1-13-14-2 FTW-01-02-039-2-023-07-003

ARR1-823817797 **Transfer#:** PT-412-2010-1876 **Box:6 CC:R6**

Asset#: AAC1-327274927 **Whole Container:** N

C/F: LAD008434185 VOL 4 SBA SHIPYARDS $00193409 **Created:** 1/10/2014

WLAMERS General Reference Temporary Loan of Records

Standard Other (contact FRC to arrange) BILL OUR UPS ACCOUNT

To: PATRICIA VINCENT
EPA / DALLAS , 1445 ROSS AVE., SUITE 1200
DALLAS, TX, 75202
P : (214) 665-6532 F :

HZ/RC/NT 0000193409

478A.LAD008434185 0004
S B A SHIPYARDS INC
JENNINGS LA 70546

701772

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

JAN 30 1995

30 1995

30 1995

January 27, 1995

Mr. Gregory Pashia
EPA Region VI Laboratory
10625 Fallstone
Houston, TX 77099

Dear Mr. Pashia:

I am forwarding the additional raw data associated with RCRA Case 9403017 and 9403016. This data was submitted to EPA Region VI from PRC Environmental Management/Dallas, Texas office. A copy of this same information has been sent to PRC.

If I can be of further assistance, please do not hesitate to contact me at 504/769-4900.

Very truly yours,

Sue Lokay

Sue A. Lokay
Sales Representative
INCHCAPE TESTING SERVICES

SAL:ct

Enclosure

c: Joan Middleton

RCRA RECORD CENTER
Infiling Cover Sheet

NAME Pashia

MAIL CODE 6ENHS

PHONE 2287

DATE 3/10/97

EPA I.D.#	FACILITY NAME	TYPE FILE
LAP1084341B5	SBA	Tech.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

NOV 15 1996

Mr. Louis Smaihall
President
SBA Shipyards, Inc.
P.O. Box 1386
Jennings, LA 70546

Dear Mr. Smaihall:

I am writing you in regard to the October 8, 1996, reports from your consultant, Woodward-Clyde. The content of the reports that were submitted is intended to describe a feasible approach for the remediation of the SBA Shipyard site (SBA). My review of the report documents has been completed. It is my opinion that the outlined plan of action for the remediation of SBA is adequate to the extent that the field data collected so far describing the site will allow. There are some areas where additional field data needs to be collected and analyzed before a complete understanding of the remediation of all media affected by contamination at SBA can be discerned.

The approach Woodward-Clyde proposes in the reports (i.e., to collect field data from the site to fill in the data gaps necessary for a complete remediation and discernment of the extent of contamination in all media at the site) appears to be adequate.

The application for a Corrective Action Management Unit (CAMU) cannot be submitted for approval until an administrative order is entered into by SBA and the U. S. Environmental Protection Agency (EPA). However, the format of the application appears to meet the criteria for applying for a CAMU. Once the question concerning the funding of the remediation of the SBA site has been adequately addressed by all concerned parties associated with SBA, the CAMU application can be submitted for EPA approval and an administrative consent agreement and compliance order (CACO) can be finalized for filing and implementaion. The final CACO shall contain a time schedule to implement the Woodward-Clyde proposed remediation activities. The CACO shall also contain the final requirements for the remediation of the contamination at the SBA site.

Recycled/Recyclable • *Printed with Vegetable Oil Based Inks on 100% Recycled Paper (40% Postconsumer)*

Please advise me when EPA can expect to complete negotiations for a final CACO with your legal representatives. You may call me at (214)-665-2287 if you have any questions or comments concerning this correspondence.

Sincerely yours,

Gregory E. Pashia

Gregory E. Pashia, Enforcement Officer
ALONM Section
Hazardous Waste Enforcement Branch

cc: Dennis E. Reece
Woodward-Clyde Consultants
2822 O'Neal Lane
Baton Rouge, LA 70816

NOV 15 1996

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President
SBA Shipyards, Inc.
P.O. Box 1386
Jennings, LA 70546

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GPashia:6EN-HS:5-2287:11/15/96:pm:L:..REMEDPLN.WC

6EN-HS
Potts

LAD008434185
~~ENF~~
NJT 1-3

Please advise me when EPA can expect to complete negotiations for a final CACO with your legal representatives. You may call me at (214)-665-2287 if you have any questions or comments concerning this correspondence.

Sincerely yours,

Gregory E. Pashia, Enforcement Officer
ALONM Section
Hazardous Waste Enforcement Branch

cc: Dennis E. Reece
Woodward-Clyde Consultants
2822 O'Neal Lane
Baton Rouge, LA 70816

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Woodward-Clyde Consultants
2822 O'Neal Lane
Baton Rouge, Louisiana 70816

GPashia:6EN-HS:5-2287:11/15/96:F:..REMEDPLN.WC

6EN-HS
Potts 11-15

Mark Potts's concurrence ↑ above

SEP 21 1995

Mr. Kenny Dukes
Inchcape Testing Services
7979 GSRI Ave.
Baton Rouge, LA 70820

Dear Mr. Dukes:

Per our conversation on September 19, 1995, I am writing you to confirm that Inchcape may release all raw analytical data associated with SBA Shipyards, Inc., (SBA) of Jennings, Louisiana, and identified as RCRA Case 9303017, 9403016, and 9502320. This data is to be released exclusively to Mr. Louis Smaihall, President of SBA, or Mr. Smaihall's appointed representative.

If you should have any questions concerning this matter, you may call me at (214)-665-2287.

Sincerely yours,

Gregory E. Pashia, Enforcement Officer
ALONM Section
Hazardous Waste Enforcement Branch

cc: Mr. Louis Smaihall
SBA Shipyards
P.O. Box 1386
Jennings, LA 70546

bcc: Pat Larkin, 6EN-LH

GPASHIA:6EN-HS:9/20/95:5-2287:pm:J:..SBA\Inchltr

6EN-HS
Potts

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

SEP 21 1995

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Inchcape Testing Services
7979 GSRI Ave.
Baton Rouge, LA 70820

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Sincerely yours,

Gregory E. Pashia, Enforcement Officer
ALONM Section
Hazardous Waste Enforcement Branch

cc: Mr. Louis Smaihall
SBA Shipyards
P.O. Box 1386
Jennings, LA 70546

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Recycled Paper (40% Postconsumer)

November 18, 1994

MEMORANDUM

SUBJECT: Validation of laboratory analysis for samples collected at RCRA regulated facilities Van Waters & Rogers and SBA Shipyards

FROM: Mary Tucker
Technical Section (6H-CX)
RCRA Enforcement Branch

TO: Melvin Ritter
ESAT Coordinator
Houston Laboratory (6E-HO)

The sampling data packages for the above facilities are being forwarded to the Houston Laboratory in order to validate the information. Initially, I requested the information be returned upon completion of the validation, however, I managed to xerox the information prior to forwarding it to the lab. Therefore, feel free to keep the copies for your files.

If you have any questions, call me at (214) 665-8320 or Gregory Pashia at (214) 665-2287.

Enclosures

6H-CX:MTUCKER:mt:8320:11-14-94 FILE NAME:SBA&ROGE.MEM

NOV 4 1994

Mr. Glenn Miller
Assistant Secretary
Louisiana Department of
Environmental Quality
Office of Solid and Hazardous
Waste
P.O. Box 82282
Baton Rouge, LA 70884-2282

RE: Inspection Report for SBA Shipyards Jennings, Louisiana
EPA I.D. No. LAD00834185

Dear Mr. Miller:

As prescribed by the Memorandum of Understanding between the United States Environmental Protection Agency (EPA) and the Louisiana Department of Environmental Quality (LDEQ) under the Criteria for Direct Federal Enforcement paragraph 6, the EPA is submitting for your review a copy of a RCRA Compliance Evaluation Inspection Report conducted at the SBA Shipyards located in Jennings, Louisiana and informing LDEQ that the EPA plans to take direct enforcement action against this facility.

If you have any questions or comments about this case, please contact me or have a member of your staff call Gregory Pashia at (214) 665-2287.

Sincerely Yours,

Randall E. Brown, Chief
RCRA Enforcement Branch

Enclosure

cc: Mr. Wayne Desselle, Program Manager
Hazardous Waste Division
Louisiana Department of Environmental Quality

bcc: P. Larkin (6C-M)

6H-CS:GPASHIA:gp:x2287:11/2/94 FILE CODE:LAD008434185
F:\.\SBA\STINSPRT ENFORCEMENT
Fin:slh:11/2/94:x2192
AIONM DISK #2 J. STINSPRP

6H-CS 6H-C
Potts Glover

November 16, 1994

MEMORANDUM

SUBJECT: Workplan for Corrective Action Oversight
SBA Shipyards, Inc.
EPA ID # LAD008434185
Work Assignment No. R06024
Approval of Workplan by Work Assignment Manager

FROM: Gregory Pashia, Environmental Engineer
ALONM Section (6H-CS)

TO: Rena McClurg, Regional Project Officer
Technical Section (6H-CX)

I received and completed my review of the referenced document dated August 17, 1994. There are several areas where there is a difference between EPA cost estimates and PRC cost estimates. These differences are described in the attached table.

Given the reasons for the cost differences described in the attached table, the PRC cost estimates are reasonable; therefore, this memorandum constitutes my approval of the revised workplan, dated August 17, 1994. Please process this approval so that EPA can continue contractor assistance regarding corrective action activities at the site.

If you have any questions or if additional information is needed, please contact me at x2287. Thank you for your help.

Attachment

cc: Mark Potts (6H-CS)

6H-CS
POTTS 11/18

6H-CS:GPashia:10/14/94:jv:6h-cs\gre3cost

File Code LAD008434185

EPA Contract No. 68-W4-0007
Work Assignment No. R06024
SBA Shipyards CEI & Sampling
Revised Workplan Evaluation

EPA Task	Cont Task	EPA hours	Cont hours	EPA cost	Cont cost	Rationale
3.1.1	WP	10	46	$ 664	$2,812	This included the development of the workplan and meeting with EPA. Based upon the P level of this work, I under estimated the P level, the cost estimate for this task is appropriate.
3.1.2	QP	10	20	$ 548	$1,060	The generic QAPP that was developed by the contractor was of sufficent quality as to be used during the sampling event. The cost for this task is appropriate and should be approved. I underestimated the hours this task would take.
3.1.3	SA	8	---	$424	$614	This task was included in the contractor's task SA.
3.1.4	WP	8	---	$310	---	This task was included in the contractor's WP task.
3.1.5	DP	8	---	$505	---	This task was included in the contractor's DP task.
3.2.1	SA	10	---	$4,163	---	This task was included in the contractor's SA task.
3.2.2	SA	72	157	$840	$8,991	This task was included in the contractor's SA task. The contractor cost for this task is appropriate for the level of sampling analysis, collection of samples, cost of site visit, completion of the EPA CEI checklists, and contractor cost for meetings with EPA. I underestimated the total hours needed, the number of personnel, and the P level needed to complete this task. Therefore, the contractor cost should be approved.
3.2.3	SA	6	---	$79,201	$31,991	This task was included in the contractor's SA task. The contrator cost for sub-contracting the analysis of the samples is appropriate and should be paid. The actual number of samples collected was much less than origionaly perdicted.However, during the inspection I authorized fewer than the total estimated number of samples. The final cost for the sampling analysis should of course be around $70,000 less than the estimated.
3.2.4	SA	6	---	$203	$614	This task was included in the contractor's SA task.
3.2.5	DP	22	97.5	$916	$4,064	This task included progress reports and trip reports and appears to be above average in LOE for the task. However the cost is justified because of the requirement to use a P4 to coordinate the project.
3.2.6	AR	26	7	$ 1,270	$ 1,197	It is not anticipated that the Administrative Record will be compiled in this performance period. The estimated cost will be revised, as appropriate, in the next performance period.
Totals		174	397	$ 89,045	$51,343	

AUG 16 1994

MEMORANDUM

SUBJECT: Case Development and Inspection of SBA Shipyard Site in Jennings, Louisiana, for Toxicity Characteristic and Generator Violations under RCRA

FROM: Randall E. Brown, Chief
RCRA Enforcement Branch (6H-C)

TO: D. Bruce Jones, Acting Senior Associate
Regional Counsel for Multi-Media Enforcement (6C-M)

The ALONM Section of the RCRA Enforcement Branch has had the SBA Shipyard site in Jennings, Louisiana, (located approximately 35 miles west of Lafayette) referred for RCRA enforcement action by the Assistant Secretary of the Louisiana Department of Environmental Quality (LDEQ). The owner of SBA, Louis Smaihall, has not cooperated and complied with LDEQ orders to cease unlawful and environmentally harmful management and disposal of hazardous wastes at his SBA facility.

The purpose of this memo is to request that legal council be assigned to assist the ALONM enforcement staff in preparing to inspect the SBA facility for violations to the RCRA program. Should the subsequent information gathered from this EPA lead inspection indicate that there is evidence that the facility is out of compliance with RCRA regulations, legal council will be needed to prepare enforcement actions against SBA and the owner Louis Smaihall. At this time, information from the State suggests the enforcement action EPA may take could include a 3008(h) Corrective Action Order.

Please have your staff contact Greg Pashia of the ALONM Section at 5-2287 for further information about the proposed inspections.

GP

6H-CS:GPashia:5-2287
f:User\sba\attyreq:08-15-94

File Code: LAD008434185
Enforcement

6H-CS
Potts
8/15

6H-C
Glover
8/16/94

November 18, 1994

MEMORANDUM

SUBJECT: Validation of laboratory analysis for samples collected at RCRA regulated facilities Van Waters & Rogers and SBA Shipyards

FROM: Mary Tucker
Technical Section (6H-CX)
RCRA Enforcement Branch

TO: Melvin Ritter
ESAT Coordinator
Houston Laboratory (6E-HO)

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If you have any questions, call me at (214) 665-8320 or Gregory Pashia at (214) 665-2287.

Enclosures

6H-CX:MTUCKER:mt:8320:11-14-94 FILE NAME:SBA&ROGE.MEM

RCRA RECORD CENTER
Infiling Cover Sheet

NAME Greg Pashia

MAIL CODE 6H-ES

PHONE

DATE 10/31/94

EPA I.D.#	FACILITY NAME	TYPE FILE
LAD008434185	SBA SHIPYARDS	NT

Greg Pashia
Enf.

LAD008434185

RCRA RECORD CENTER
Infiling Cover Sheet

NAME Pashia

MAIL CODE 6EN-HS

PHONE 2287

DATE

EPA I.D.#	FACILITY NAME	TYPE FILE
LAD008434185	SBA	Gen

MEMORANDUM

SUBJECT: Workplan for Corrective Action Oversight
SBA Shipyards, Inc.
EPA ID # LAD008434185
Work Assignment No. R06024
Approval of Workplan by Work Assignment Manager

FROM: Gregory Pashia
Environmental Engineer
ALONM Section (6H-CS)
RCRA Enforcement Branch

TO: Rena McClurg
Regional Project Officer
Technical Section (6H-CX)
RCRA Enforcement Branch

I received and completed my review of the referenced document dated August 17, 1994. There are several areas where there is a difference between EPA cost estimates and PRC cost estimates. These differences are described in the attached table. As indicated in the table, my cost estimate was approximately 27% lower than PRC's estimates, for a cost difference of $24,005. The LOE basis estimate for PRC's workplan is $284.76/LOE and EPA's IGCE LOE basis estimate was $511.75/LOE.

Given the reasons for the cost differences described in the attached table, the PRC cost estimates are reasonable. Therefore, this memorandum constitutes my approval of the revised workplan, dated August 17, 1994. Please process this approval so that EPA can continue contractor assistance regarding corrective action activities at the site.

If you have any questions, or if additional information is needed, please contact me at 5-2287. Thank you for your help.

Attachment

cc: Mark Potts (6H-CS)

6H-CS:GPashia:10/14/94: F:\SBA\gregcost.tab
ALONM Disk#2 from J:GREGCOST.TAB File Code LAD008434185
Fin:slh:10/17/94:x2192

TXID #

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

MEMORANDUM

SUBJECT: Workplan for Corrective Action Oversight
SBA Shipyards, Inc.
EPA ID # LAD008434185
Work Assignment No. R06024
Approval of Workplan by Work Assignment Manager

FROM: Gregory Pashia
Environmental Engineer
ALONM Section (6H-CS)
RCRA Enforcement Branch

TO: Rena McClurg
Regional Project Officer
Technical Section (6H-CX)
RCRA Enforcement Branch

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Attachment

cc: Mark Potts (6H-CS)

Printed on Recycled Paper

EPA Contract No. 68-W4-0007
Work Assignment No. R06024
SBA Shipyards CEI & Sampling
Revised Workplan Evaluation

EPA Task	Cont Task	EPA hours	Cont hours	EPA cost	Cont cost	Rationale
3.1.1	WP	10	40	$ 664	$2,812	This included the development of the workplan and meeting with EPA. Based upon the P level of this work, the cost estimate for this task is appropriate.
3.1.2	QP	10	20	$ 548	$1,060	The generic QAPP that was developed by the contractor was of sufficent quality as to be used during the sampling event. The cost for this task is appropriate and should be approved.
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3.1.4	WP	8	---	$310	---	This task was included in the contractor's WP task.
3.1.5	DP	8	---	$505	---	This task was included in the contractor's DP task.
3.2.1	SA	10	---	$4,163	---	This task was included in the contractor's SA task.
3.2.2	SA	72	157	$840	$102,622	This task was included in the contractor's SA task. The contractor cost for this task is appropriate for the level of sampling analysis, collection of samples, cost of site visit, completion of the EPA CEI checklists, and contractor cost for meetings with EPA. Therefore, the contractor cost should be approved.
3.2.3	SA	6	---	$79,201	$87,532	This task was included in the contractor's SA task. The contrator cost for sub-contracting the analysis of the samples is appropriate and should be paid if the total number of samples listed is obtained during the inspection and sent to the sub for analysis. However, if on the basis of my input during the inspection, fewer than the total number of samples are required, then the cost for the sampling analysis should of course be less.
3.2.4	SA	6	---	$203	---	This task was included in the contractor's SA task.
3.2.5	DP	10	138	$916	$5,359	This task included progress reports and trip reports and appears to be appropriate for the task and therefore should be approved.
3.2.6	AR	26	7	$ 1,270	$ 1,197	The detailed technical review (Task 3.2.1) will contain several items which may be considered part of this task. Depending on the results of the detailed technical review, this task may need to be adjusted in the next performance period. I will not know whether I need to have this independent site assessment until my review and PRC's review of the RFI report is complete. Lowering the cost estimate by 88 LOE hours is acceptable and should be approved.
Totals		174	397	$ 89,045	$133,050	

Inchcape Testing Services
Environmental Laboratories

To: Mahmoud El-Feky

From: Scott Bailey

Date: 01/19/94

Re: Response to RCRA case 9403016

General

1. BFB and DFTPP have been submitted.

2. Blank results and surrogate recoveries have been submitted for the VOA's and BNA's.

3. Method Blank Form IV is being submitted for both fraction.

4. Form V is being submitted for both fraction.

5. The BNA TCLP Blank is being submitted, the VOA TCLP Blank was not analyzed.

6. The " PREP DATE" reported on the BNA report form is the date extracted not the TCLP prep date.

VOA/TCLP VOA

1. All VOA samples were analyzed at medium levels.

2. The quantitation ions have been submitted.

3. The corrected spike form for SBA-05MS/MSD is being submitted.

4. The missing sample spectra is being submitted along with the corrected result pages for the incorrectly identified compounds.

5. The toluene result for SBA-01 has been corrected.

6. The xylene result for SBA-08 has been corrected in addition to the quantitation report area.

7. The benzene and carbon tetrachloride for TCLP sample SBA-08 has been corrected.

8. TCLP sample SBA-14 dilution factor was 10 , the results have been corrected.

9. The correct response factors have been updated for blank 0906VBLK.

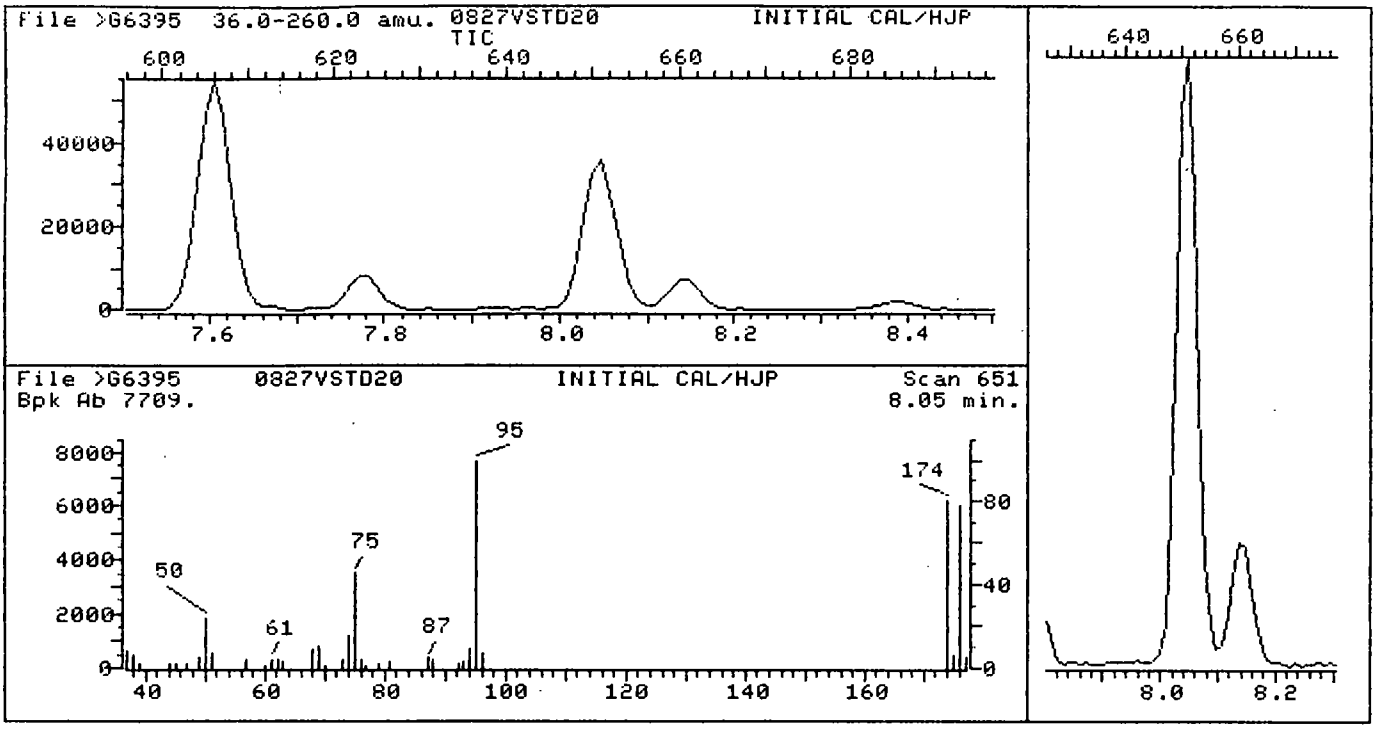
10. The IS form has been corrected to include SBA-11.

BNA/TCLP BNA

1. The % Moisture /Solid were not performed on these samples. The extraction sheets are included for initial and final volumes. The injection volume is 1.0 ul.

2. All spectra for positive hits are being submitted.

3. All samples were extracted using 5ml of sample.



EMGR : tuner,=bfb

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	23.87	23.87	Ok
75	30-60% of mass 95	45.83	45.83	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.76	6.76	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	80.24	80.24	Ok
175	5-9% of mass 174	5.63	7.02	Ok
176	95-101% of mass 174	78.14	97.38	Ok
177	5-9% of mass 176	4.90	6.27	Ok

Injection Date: 08/27/94
Injection Time: 23:51
Data File: >G6395
Scan: 651

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: G6395 **BFB Injection Date: 08/27/94**

BFB Injection Time: 23:51

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.87
75	30.0 - 66.0% of mass 95	45.83
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.76
173	Less than 2.0% if nass 174	0.00
174	50.0 - 120.0% of mass 95	80.24
175	5.0 - 9.0% of mass 174	5.63
176	95.0 - 101.0% of mass 174	78.14
177	5.0 - 9.0% of mass 176	4.90

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0827VBLK	G6400	08/28/94	01:20
02	9408260039	G6405	08/28/94	01:43
03	9408260053	G6406	08/28/94	02:03
04	9408260048	G6407	08/28/94	02:25
05	9408260038	G6408	08/28/94	02:47
06	9408260031	G6409	08/28/94	03:09
07	9408260040	G6410	08/28/94	03:30
08	9408260030	G6411	08/28/94	03:52
09	9408260034	G6415	08/28/94	05:16
10	9408260049	G6416	08/28/94	05:36
11	9408260050	G6417	08/28/94	05:56
12	9408260032	G6418	08/28/94	06:17
13	9408260033	G6419	08/28/94	06:38
14	9408260037	G6420	08/28/94	06:58
15	9408260041	G6421	08/28/94	07:19
16				
17				
18				
19				
20				

Comments: _____

_____

_____

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: G6400 **Sample ID: 0827VBLK**

Date Analyzed: 08/28/94 **Time Analyzed: 01:20**

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	Lab Sample ID	Lab File ID	Time Analyzed
01	9408260039	G6405	01:43
02	9408260053	G6406	02:03
03	9408260048	G6407	02:25
04	9408260038	G6408	02:47
05	9408260031	G6409	03:09
06	9408260040	G6410	03:30
07	9408260030	G6411	03:52
08	9408260034	G6415	05:16
09	9408260049	G6416	05:36
10	9408260050	G6417	05:56
11	9408260032	G6418	06:17
12	9408260033	G6419	06:38
13	9408260037	G6420	06:58
14	9408260041	G6421	07:19
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Comments: _____

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: P2574 **Sample ID: 0909VBLK**

Date Analyzed: 09/09/94 **Time Analyzed: 11:40**

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	Lab Sample ID	Lab File ID	Time Analyzed
01	9408260030	P2575	12:37
02	9408260039	P2578	15:14
03			
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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: P2573 **BFB Injection Date: 09/09/94**

BFB Injection Time: 11:04

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	27.33
75	30.0 - 66.0% of mass 95	48.33
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.71
173	Less than 2.0% if nass 174	0.00
174	50.0 - 120.0% of mass 95	59.94
175	5.0 - 9.0% of mass 174	4.20
176	95.0 - 101.0% of mass 174	58.73
177	5.0 - 9.0% of mass 176	3.88

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0909VBLK	P2556	09/09/94	01:41
02	9408260053	P2562	09/09/94	06:05
03	9408260049	P2560	09/09/94	04:55
04	9408260041	P2559	09/09/94	04:20
05	9408260048	P2557	09/09/94	02:27
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4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: >P2540 **Sample ID: 0907VBLK**

Date Analyzed: 09/08/94 **Time Analyzed: 11:18**

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	Lab Sample ID	Lab File ID	Time Analyzed
01	9408260040	P2550	21:03
02	9408260046	P2544	15:22
03			
04			
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: P2538 **BFB Injection Date: 09/08/94**

BFB Injection Time: 09:52

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.98
75	30.0 - 66.0% of mass 95	47.32
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.63
173	Less than 2.0% if nass 174	0.00
174	50.0 - 120.0% of mass 95	61.11
175	5.0 - 9.0% of mass 174	4.68
176	95.0 - 101.0% of mass 174	58.52
177	5.0 - 9.0% of mass 176	3.91

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0907VBLK	P2540	09/08/94	11:18
02	9408260040	P2550	09/08/94	21:03
03	9408260046	P2544	09/08/94	15:22
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4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: >P2422 **Sample ID: 0903VBLK**

Date Analyzed: 09/03/94 **Time Analyzed: 12:04**

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	Lab Sample ID	Lab File ID	Time Analyzed
01	9408260042	P2440	23:05
02			
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: P2420 **BFB Injection Date: 09/03/94**

BFB Injection Time: 10:54

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	26.38
75	30.0 - 66.0% of mass 95	48.50
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	7.48
173	Less than 2.0% if nass 174	0.00
174	50.0 - 120.0% of mass 95	59.52
175	5.0 - 9.0% of mass 174	4.33
176	95.0 - 101.0% of mass 174	58.33
177	5.0 - 9.0% of mass 176	3.74

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0903VBLK	P2422	09/03/94	12:04
02	9408260042	P2440	09/03/94	23:05
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4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: >P2484 **Sample ID: 0906VBLK**

Date Analyzed: 09/06/94 **Time Analyzed: 18:06**

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	Lab Sample ID	Lab File ID	Time Analyzed
01	9408260043	P2492	23:05
02			
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: P2482 **BFB Injection Date: 09/06/94**

BFB Injection Time: 16:55

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	
75	30.0 - 66.0% of mass 95	
95	Base peak, 100% relative abundance	
96	5.0 - 9.0% of mass 95	
173	Less than 2.0% if nass 174	
174	50.0 - 120.0% of mass 95	
175	5.0 - 9.0% of mass 174	
176	95.0 - 101.0% of mass 174	
177	5.0 - 9.0% of mass 176	

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0906VBLK	P2484	09/06/94	18:06
02	9408260043	P2494	09/06/94	23:05
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VOLATILE METHOD BLANK SUMMARY

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: >P2466 **Sample ID: 0906VBLK**

Date Analyzed: 09/06/94 **Time Analyzed: 06:53**

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	Lab Sample ID	Lab File ID	Time Analyzed
01	9408260035MS	P2467	07:52
02	9408260036MSD	P2468	08:27
03	9408260051MS	P2469	09:02
04	9408260052MSD	P2470	09:37
05	9408260045	P2472	10:47
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: P2464 **BFB Injection Date: 09/06/94**

BFB Injection Time: 05:44

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	26.00
75	30.0 - 66.0% of mass 95	49.15
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.95
173	Less than 2.0% if nass 174	0.00
174	50.0 - 120.0% of mass 95	62.11
175	5.0 - 9.0% of mass 174	4.64
176	95.0 - 101.0% of mass 174	59.24
177	5.0 - 9.0% of mass 176	3.85

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0906VBLK	P2466	09/06/94	06:53
02	9408260035MS	P2467	09/06/94	07:52
03	9408260036MSD	P2468	09/06/94	08:27
04	9408260051MS	P2469	09/06/94	09:02
05	9408260052MSD	P2470	09/06/94	09:37
06	9408260045	P2472	09/06/94	10:47
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4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: >P2556 **Sample ID: 0908VBLK**

Date Analyzed: 09/09/94 **Time Analyzed: 01:41**

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	Lab Sample ID	Lab File ID	Time Analyzed
01	9408260053	P2562	06:05
02	9408260049	P2560	04:55
03	9408260041	P2559	04:20
04	9408260048	P2557	02:27
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No:**

Lab File ID: P2573 **BFB Injection Date: 09/09/94**

BFB Injection Time: 11:04

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	27.33
75	30.0 - 66.0% of mass 95	48.33
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.71
173	Less than 2.0% if nass 174	0.00
174	50.0 - 120.0% of mass 95	59.94
175	5.0 - 9.0% of mass 174	4.20
176	95.0 - 101.0% of mass 174	58.73
177	5.0 - 9.0% of mass 176	3.88

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0909VBLK	P2556	09/09/94	01:41
02	9408260053	P2562	09/09/94	06:05
03	9408260049	P2560	09/09/94	04:55
04	9408260041	P2559	09/09/94	04:20
05	9408260048	P2557	09/09/94	02:27
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VOLATILE METHOD BLANK SUMMARY

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: >P2596 **Sample ID: 0907VBLK**

Date Analyzed: 09/10/94 **Time Analyzed: 14:47**

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	Lab Sample ID	Lab File ID	Time Analyzed
01	9408260032	P2600	17:27
02	9408260033	P2601	18:03
03	9408260034	P2602	18:38
04	9408260037	P2603	19:13
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: P2593 **BFB Injection Date: 09/10/94**

BFB Injection Time: 13:25

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.55
75	30.0 - 66.0% of mass 95	49.12
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	7.01
173	Less than 2.0% if nass 174	0.00
174	50.0 - 120.0% of mass 95	59.83
175	5.0 - 9.0% of mass 174	4.52
176	95.0 - 101.0% of mass 174	58.99
177	5.0 - 9.0% of mass 176	4.02

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0907VBLK	P2596	09/10/94	14:47
02	9408260032	P2600	09/10/94	17:27
03	9408260033	P2601	09/10/94	18:03
04	9408260034	P2602	09/10/94	18:38
05	9408260037	P2603	09/10/94	19:13
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Comments: _____

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: >P2647 **Sample ID: 0912VBLK**

Date Analyzed: 09/12/94 **Time Analyzed: 09:20**

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	Lab Sample ID	Lab File ID	Time Analyzed
01	9408260038	P2648	10:18
02	9408260051MS	P2649	10:54
03	9408260050	P2651	12:17
04	9408260031	P2653	14:08
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Comments: _____

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: P2645 **BFB Injection Date: 09/12/94**

BFB Injection Time: 08:10

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	26.60
75	30.0 - 66.0% of mass 95	52.14
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	7.24
173	Less than 2.0% if nass 174	0.00
174	50.0 - 120.0% of mass 95	52.72
175	5.0 - 9.0% of mass 174	3.99
176	95.0 - 101.0% of mass 174	53.24
177	5.0 - 9.0% of mass 176	3.39

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0912VBLK	P2647	09/12/94	09:20
02	9408260038	P2648	09/12/94	10:18
03	9408260051MS	P2649	09/12/94	10:54
04	9408260050	P2651	09/12/94	12:17
05	9408260031	P2653	09/12/94	14:08
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Comments: _____

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4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: >P2616 **Sample ID: 0911VBLK**

Date Analyzed: 09/11/94 **Time Analyzed: 15:05**

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	Lab Sample ID	Lab File ID	Time Analyzed
01	9408260052MSD	P2631	18:29
02	9408260035MS	P2632	19:05
03	9408260036MSD	P2633	19:40
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Comments: _____

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: P2420 **BFB Injection Date: 09/03/94**

BFB Injection Time: 10:54

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	26.38
75	30.0 - 66.0% of mass 95	48.50
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	7.48
173	Less than 2.0% if nass 174	0.00
174	50.0 - 120.0% of mass 95	59.52
175	5.0 - 9.0% of mass 174	4.33
176	95.0 - 101.0% of mass 174	58.33
177	5.0 - 9.0% of mass 176	3.74

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0911VBLK	P2616	09/11/94	09:20
02	9408260052MSD	P2631	09/11/94	18:29
03	9408260035MS	P2632	09/11/94	19:05
04	9408260036MSD	P2633	09/11/94	19:40
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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: Inchcape Testing Services **Sample ID: 0829SBLK01**

Lab File ID: A1432 **Date Extracted: 08/29/94**

Group No: 9403016 **Date Analyzed: 09/03/94**

Time Analyzed: 21:08

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	Lab Sample ID	Lab File ID	Date Analyzed
01	0829SPK01	A1433	09/03/94
02	0829SPKD01	A1434	09/03/94
03	9408260030	A1435	09/03/94
04	9408260031	A1436	09/03/94
05	9408260032	A1437	09/04/94
06	9408260033	A1438	09/04/94
07	9408260034	A1453	09/05/94
08	9408260035	A1483	09/06/94
09	9408260036	A1484	09/06/94
10	9408260037	A1454	09/05/94
11	9408260038	A1455	09/05/94
12	9408260039	A1456	09/05/94
13	9408260040	A1457	09/05/94
14	9408260041	A1458	09/05/94
15	9408260048	A1459	09/05/94
16	9408260049	A1460	09/05/94
17	9408260050	A1461	09/05/94
18	9408260051	A1462	09/05/94
19	9408260052	A1463	09/05/94
20	9408260053	A1464	09/05/94

Comments: _____

4B
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: Inchcape Testing Services **Sample ID: 0829SBLK02**

Lab File ID: A1432 **Date Extracted: 08/29/94**

Group No: 9403016 **Date Analyzed: 09/03/94**

Time Analyzed: 21:08

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	Lab Sample ID	Lab File ID	Date Analyzed
01	0829SPK02	A1433	09/03/94
02	0829SPKD02	A1434	09/03/94
03	9408260045	A1368	09/02/94
04	9408260030	A1372	09/02/94
05	9408260031	A1377	09/02/94
06	9408260032	A1373	09/02/94
07	9408260033	A1374	09/02/94
08	9408260034	A1453	09/05/94
09	9408260035	A1378	09/02/94
10	9408260036	A1379	09/02/94
11	9408260037	A1454	09/05/94
12	9408260038	A1455	09/05/94
13	9408260039	A1456	09/05/94
14	9408260040	A1457	09/05/94
15	9408260041	A1458	09/05/94
16	0826TBLK01	A1376	09/02/94
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Comments: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: Inchcape Testing Services **Sample ID: 0830SBLK01**

Lab File ID: A1359 **Date Extracted: 08/30/94**

Group No: 9403016 **Date Analyzed: 09/01/94**

Time Analyzed: 21:19

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	Lab Sample ID	Lab File ID	Date Analyzed
01	9408260050	A1465	09/05/94
02	9408260051MS	A1466	09/06/94
03	9408260051MSD	A1467	09/06/94
04	9408260048	A1485	09/06/94
05	9408260049	A1486	09/06/94
06	9408260053	A1487	09/06/94
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Comments: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: A1350 **DFTPP Injection Date: 09/01/94**

DFTPP Injection Time: 16:01

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	39.1
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	54.2
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	43.9
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.7
275	10.00 - 30.00% of mass 198	21.3
365	Greater than 1.00% of mass 198	2.7
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	78.3
443	17.00 - 23.00% of mass 442	18.9

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0830SBLK01	A1359	09/01/94	21:19
02	9408260045	A1368	09/02/94	02:54
03				
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: A1370 **DFTPP Injection Date: 09/02/94**

DFTPP Injection Time: 07:54

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	42.0
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	57.9
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	45.0
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.6
275	10.00 - 30.00% of mass 198	20.8
365	Greater than 1.00% of mass 198	2.7
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	70.8
443	17.00 - 23.00% of mass 442	19.4

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	9408260030	A1372A	09/02/94	09:07
02	9408260032	A1373	09/02/94	10:36
03	9408260033	A1374	09/02/94	11:56
04	9408260034	A1375	09/02/94	12:33
05	940826TBLK01	A1376	09/02/94	13:14
06	9408260031	A1377	09/02/94	13:52
07	9408260035	A1378	09/02/94	14:30
08	9408260036	A1379	09/02/94	15:07
09	9408260037	A1381	09/02/94	16:23
10	9408260038	A1382	09/02/94	17:01
11	9408260039	A1383	09/02/94	17:38
12	9408260040	A1384	09/02/94	18:15
13	9408260041	A1385	09/02/94	18:53
14	0829SBLK02	A1386	09/02/94	19:30
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: A1420 **DFTPP Injection Date: 09/03/94**

DFTPP Injection Time: 13:51

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	47.0
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	63.8
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	47.3
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.7
275	10.00 - 30.00% of mass 198	20.7
365	Greater than 1.00% of mass 198	2.9
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	65.5
443	17.00 - 23.00% of mass 442	19.5

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0829SBLK01	A1432	09/03/94	21:08
02	0829SPK01	A1433	09/03/94	21:45
03	0829SPKD01	A1434	09/03/94	22:23
04	9408260030	A1435	09/03/94	23:00
05	9408260031	A1436	09/03/94	23:37
06	9408260032	A1437	09/04/94	00:14
07	9408260033	A1438	09/04/94	00:51
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: A1450 **DFTPP Injection Date: 09/05/94**

DFTPP Injection Time: 14:22

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	45.0
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	61.9
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	46.0
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.9
275	10.00 - 30.00% of mass 198	22
365	Greater than 1.00% of mass 198	3.2
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	73.2
443	17.00 - 23.00% of mass 442	18.8

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	9408260034	A1453	09/05/94	16:12
02	9408260037	A1454	09/05/94	16:51
03	9408260038	A1455	09/05/94	17:29
04	9408260039	A1456	09/05/94	18:07
05	9408260040	A1457	09/05/94	18:45
06	9408260041	A1458	09/05/94	19:22
07	9408260048	A1459	09/05/94	19:59
08	9408260049	A1460	09/05/94	20:37
09	9408260050	A1461	09/05/94	21:14
10	9408260051	A1462	09/05/94	21:51
11	9408260052	A1463	09/05/94	22:28
12	9408260053	A1464	09/05/94	23:05
13	9408260050	A1465	09/05/94	23:43
14	9408260051MS	A1466	09/06/94	00:20
15	9408260051MSD	A1467	09/06/94	00:58
16				
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: A1470 **DFTPP Injection Date: 09/06/94**

DFTPP Injection Time: 10:35

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	47.3
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	64.2
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	48.6
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.8
275	10.00 - 30.00% of mass 198	22.1
365	Greater than 1.00% of mass 198	3.2
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	71.0
443	17.00 - 23.00% of mass 442	19.0

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	9408260034MS	A1483	09/06/94	19:23
02	9408260034MSD	A1484	09/06/94	20:01
03	9408260048	A1485	09/06/94	20:39
04	9408260049	A1486	09/06/94	21:16
05	9408260053	A1487	09/06/94	21:53
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: A1290 **DFTPP Injection Date: 09/07/94**

DFTPP Injection Time: 16:09

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	45.5
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	63.0
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	47.9
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.8
275	10.00 - 30.00% of mass 198	23.1
365	Greater than 1.00% of mass 198	3.7
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	76.9
443	17.00 - 23.00% of mass 442	19.0

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	9408260049	A1494	09/07/94	18:31
02	9408260050	A1495	09/07/94	19:08
03	9408260048	A1497	09/07/94	20:23
04	9408260049	A1498	09/07/94	21:00
05	9408260034	A1499	09/07/94	21:38
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Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260030
CLIENT ID : SBA-01
SAMPLE DATE: 08/24/94
SAMPLE TIME: 12:50

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 03:52
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.06	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000425

QUANT REPORT

Operator ID: JULES
Output File: ^G6411::SC
Data File: >G6411::A4
Name: 940826-U30
Misc: PRC 10DL

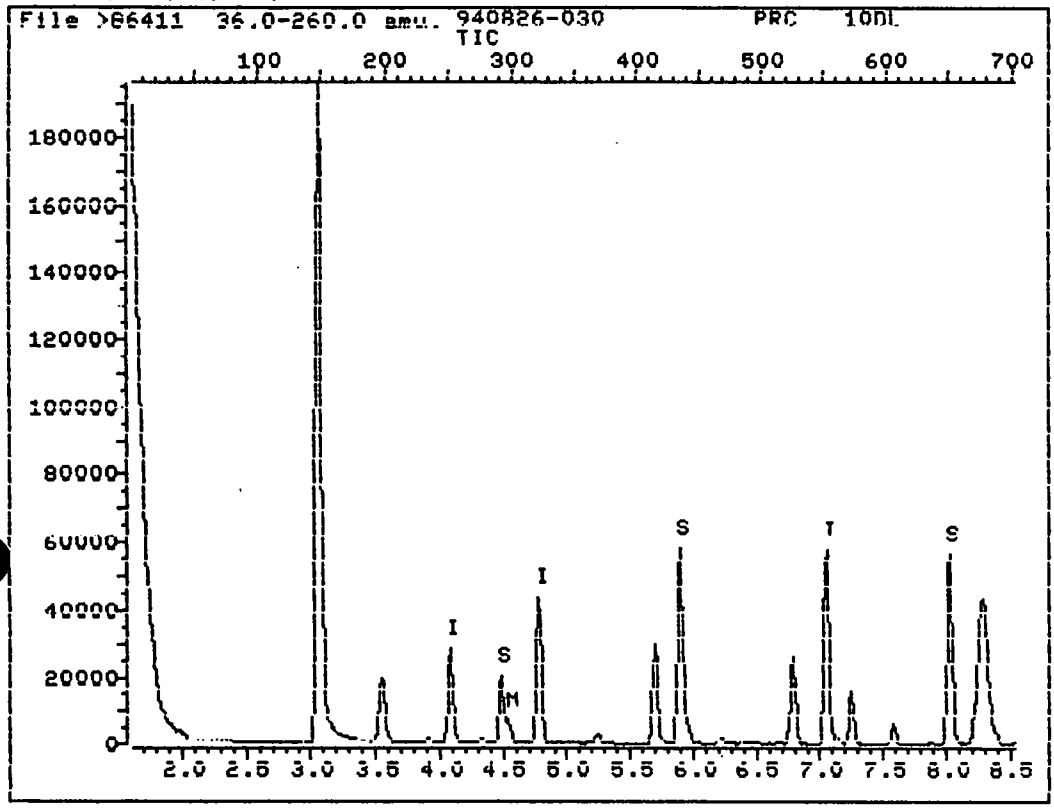
Quant Rev: 6 Quant Time: 940830 11:55
Injected at: 940828 03:52
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9088	50.00	ug/L	71
20)	*1,4-DIFLUOROBENZENE	4.78	322	48079	50.00	ug/L	90
22)	1,2-DICHLOROETHANE-D4	4.48	292	18546	576.22	ug/L	88
24)	Benzene	4.54	298	4908	63.51	ug/L	100
31)	TOLUENE-D8	5.90	435	54333	583.88	ug/L	95
35)	*CHLOROBENZENE-D5	7.05	552	44172	50.00	ug/L	95
46)	4-BROMOFLUOROBENZENE	8.03	651	31195	529.33	ug/L	96

* Compound is ISTD

TOTAL ION CHROMATOGRAM

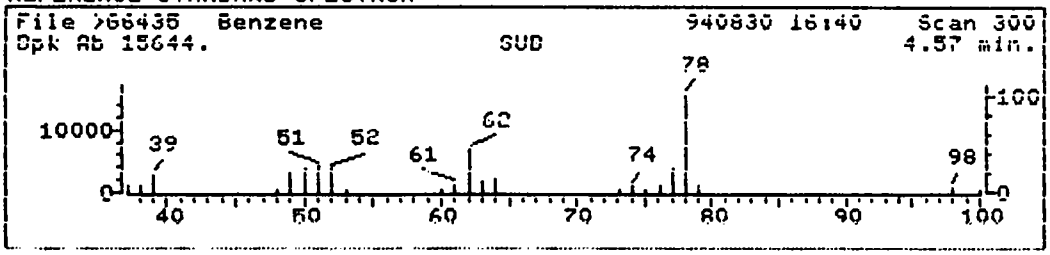


Data File: >G6411::A4 Quant Output File: ^G6411::SC
Name: 940826-030
Misc: PRC 10DL

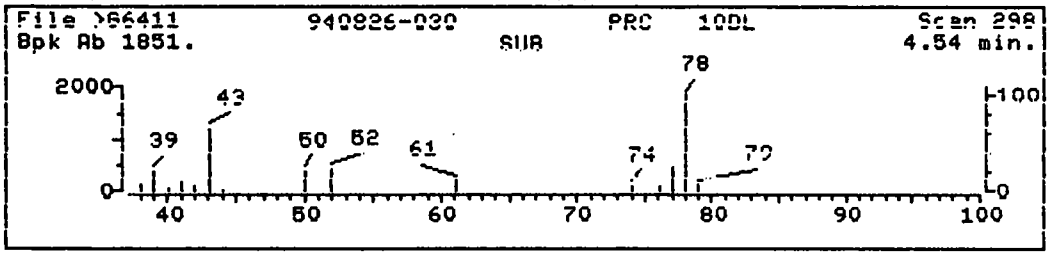
Id File: 1D1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 11:55
Injected at: 940828 03:52

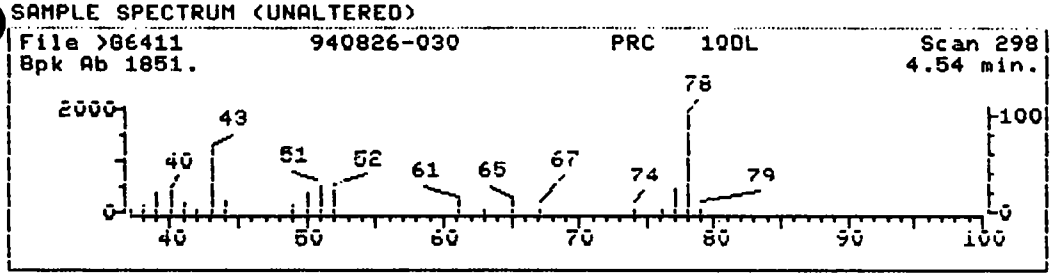
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6411::A4
Name: 940826-030
Misc: PRC 10DL
Quant Time: 940830 11:55
Injected at: 940828 03:52

Quant Output File: ^G6411::SC
Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 24
Compound Name: Benzene
Scan Number: 298
Retention Time: 4.54 min.
Quant Ion: 78.0
Area: 4908
Concentration: 63.51 ug/L
q-value: 100

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260031
CLIENT ID : SBA-02
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:00

ANALYST: hjp ANALYSIS DATE: 09/12/94 METHOD: 8240
ANALYSIS TIME: 14:08 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		4.34	500	2.5
Bromoform	<	DL	500	2.5
Carbon tetrachloride	<	DL	500	2.5
Chlorobenzene	<	DL	500	2.5
Chlorodibromomethane	<	DL	500	2.5
Chloroethane	<	DL	500	2.5
2-Chloroethylvinyl ether	<	DL	500	2.5
Chloroform	<	DL	500	2.5
1,2-Dichlorobenzene	<	DL	500	2.5
1,4-Dichlorobenzene	<	DL	500	2.5
1,3-Dichlorobenzene	<	DL	500	2.5
Dichlorobromomethane	<	DL	500	2.5
1,1-Dichloroethane	<	DL	500	2.5
1,2-Dichloroethane	<	DL	500	2.5
1,1-Dichloroethene	<	DL	500	2.5
trans-1,2-Dichloroethene	<	DL	500	2.5
1,2-Dichloropropane	<	DL	500	2.5
1,3-Dichloropropylene	<	DL	500	2.5
trans-1,3-Dichloropropene	<	DL	500	2.5
Ethylbenzene		8.25	500	2.5
Methyl bromide	<	DL	500	2.5
Methyl chloride	<	DL	500	2.5
Methylene chloride		7.89	500	2.5
1,1,2,2-Tetrachloroethane	<	DL	500	2.5
Tetrachloroethene	<	DL	500	2.5
Toluene		10.3	500	2.5
1,1,1-Trichloroethane	<	DL	500	2.5
1,1,2-Trichloroethane		3.44	500	2.5
Trichloroethene	<	DL	500	2.5
Trichlorofluoromethane	<	DL	500	2.5
Vinyl chloride	<	DL	500	2.5
Total Xylene		48.8	500	2.5

0000429

QUANT REPORT

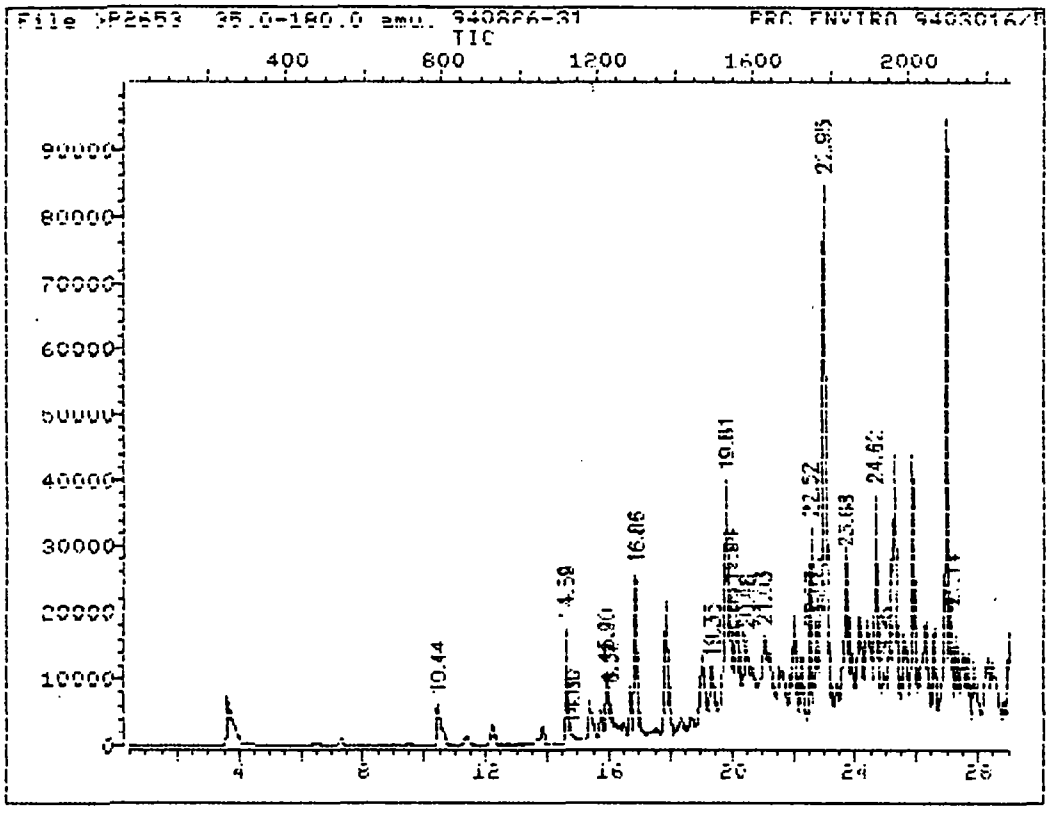
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940912 14:38
Output File: ^F2653::D1 Injected at: 940912 14:08
Data File: >F2653::A5 Dilution Factor: 500.0000
Name: 940826-31
Misc: PRC ENVIRO 9403016/500DL/JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940912 10:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.59	1120	13047	50.00	PPB	81
11)	Methylene chloride	10.44	791	8484	7888.74	PPB	81
18)	Chloroform	14.80	1137	1308	691.69	PPB	83
20)	*1,4-DIFLUOROBENZENE	16.86	1300	57180	50.00	PPB	87
22)	1,2-DICHLOROETHANE-D4	15.90	1224	20873	22358.19	PPB	77
23)	1,2-Dichloroethane	16.07	1237	1500	1371.60	PPB	94
24)	Benzene	16.04	1235	10775	4338.59	PPB	100
30)	4-Methyl-2-pentanone	19.35	1487	15400	20102.25	PPB	45
31)	TOLUENE-D8	19.81	1533	50399	22599.38	PPB	98
32)	Toluene	19.94	1543	26834	10317.59	PPB	92
33)	t-1,3-Dichloropropene	20.48	1586	1672	1687.71	PPB	14
34)	1,1,2-Trichloroethane	20.09	1555	2299	3437.69	PPB	58
35)	*CHLOROBENZENE-D5	22.52	1747	43085	50.00	PPB	93
36)	Tetrachloroethene	20.99	1626	506	621.74	PPB	79
38)	2-Hexanone	21.03	1629	11599	26200.56	PPB	35
40)	Chlorobenzene	22.57	1751	886	518.13	PPB	87
41)	Ethyl benzene	22.75	1765	6812	8248.46	PPB	96
42)	p,m-Xylene	22.95	1781	37355	M35561.71	PPB	99
43)	o-Xylene	23.68	1839	14205	13255.69	PPB	92
46)	BROMOFLUOROBENZENE	24.62	1913	42657	25145.74	PPB	74
47)	1,1,2,2-Tetrachloroethane	24.95	1939	700	597.04	PPB	72
50)	1,2-Dichlorobenzene	27.14	2112	281	214.07	PPB	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM

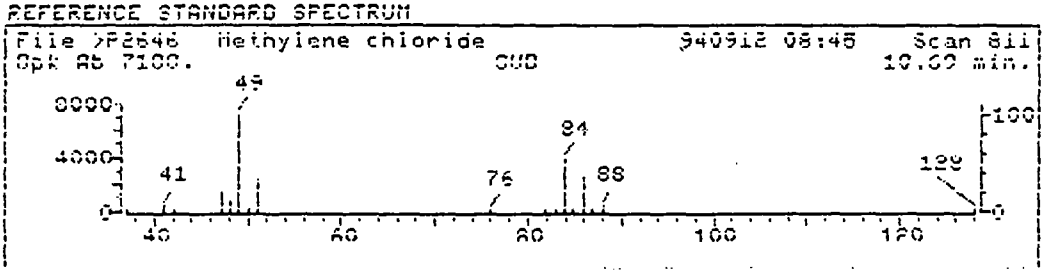


Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/500DL/JS

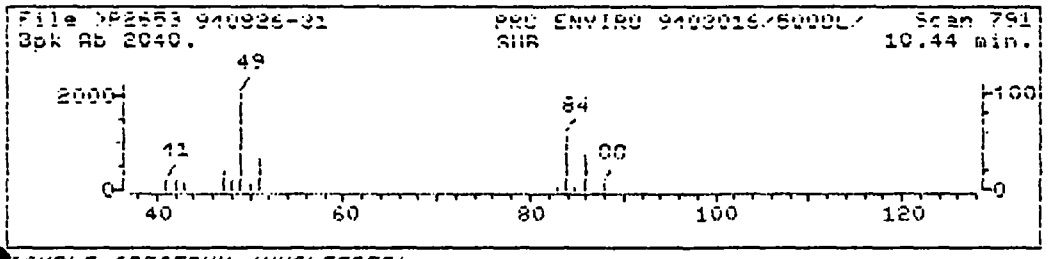
Id File: IDCOW1::A3
Title: VOA IDFILE
Last Calibration: 940912 10:00

Operator ID: BUBBA
Quant Time: 940912 14:38
Injected at: 940912 14:08

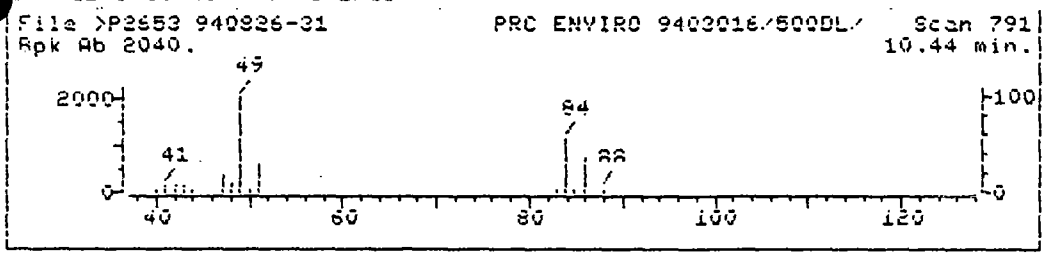
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



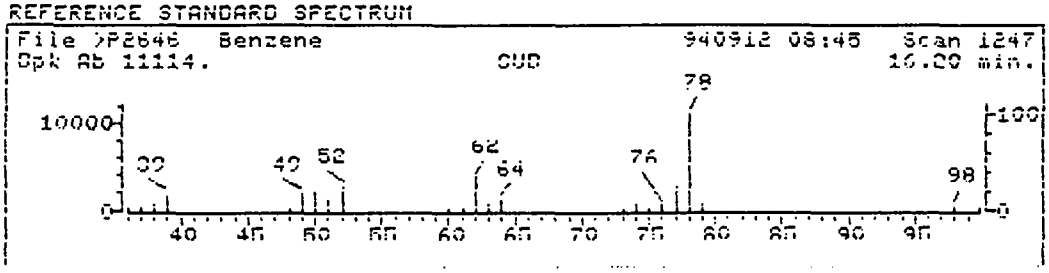
SAMPLE SPECTRUM (UNALTERED)



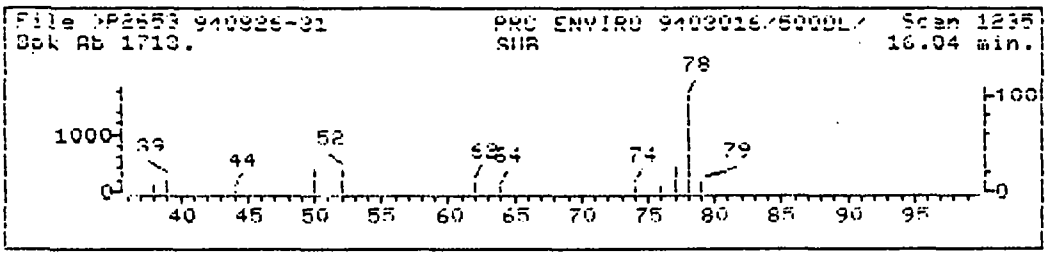
Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/500DL/J5
Quant Time: 940912 14:38 Quant ID File: IDCOM1::A3
Injected at: 940912 14:08 Last Calibration: 940912 10:00

Compound No: 11
Compound Name: Methylene chloride
Scan Number: 791
Retention Time: 10.44 min.
Quant Ion: 84.0
Area: 8484
Concentration: 7888.74 PPB
q-value: 81

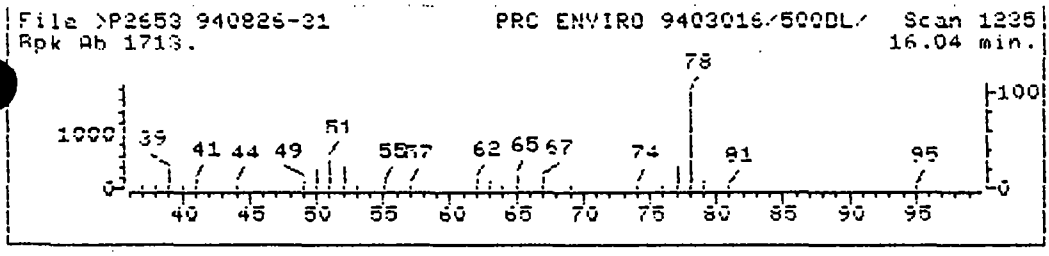
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



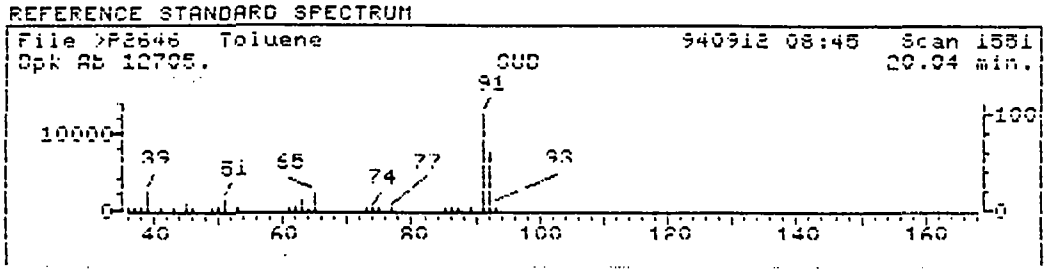
SAMPLE SPECTRUM (UNALTERED)



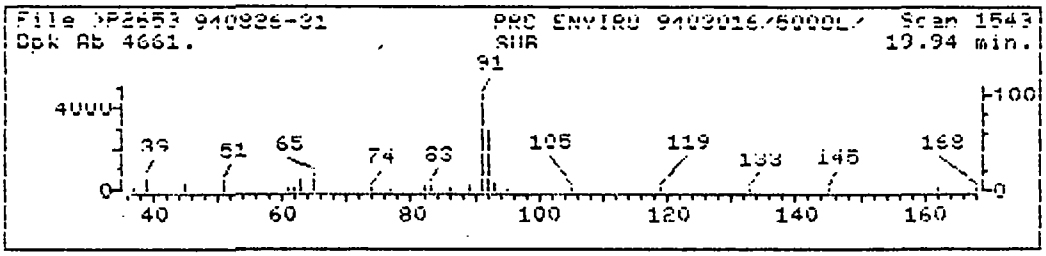
Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/500DL/JS
Quant Time: 940912 14:38 Quant ID File: IDCOM1::A3
Injected at: 940912 14:08 Last Calibration: 940912 10:00

Compound No: 24
Compound Name: Benzene
Scan Number: 1235
Retention Time: 16.04 min.
Quant Ion: 78.0
Area: 10775
Concentration: 4338.59 PPB
q-value: 100

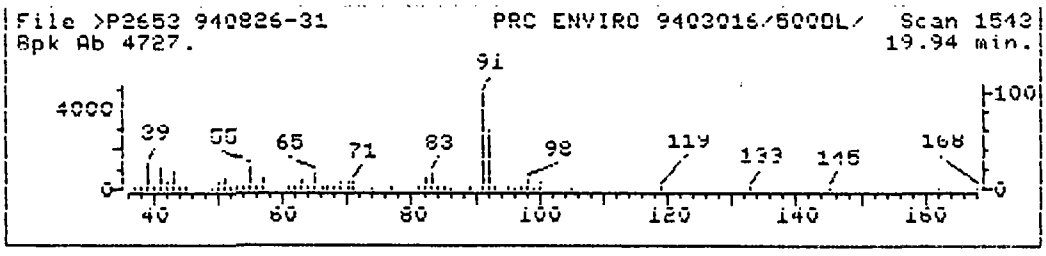
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



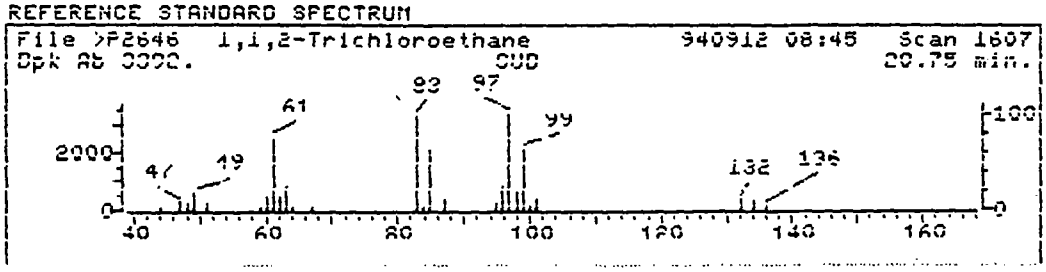
SAMPLE SPECTRUM (UNALTERED)



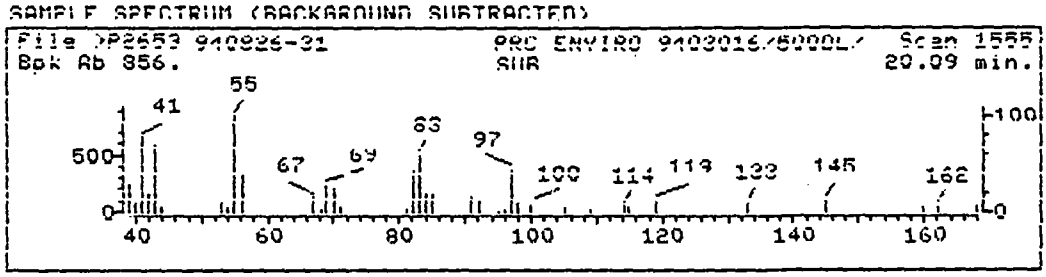
Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/5000L/JS
Quant Time: 940912 14:38 Quant ID File: IDCOM1::A3
Injected at: 940912 14:08 Last Calibration: 940912 10:00

Compound No: 32
Compound Name: Toluene
Scan Number: 1543
Retention Time: 19.94 min.
Quant Ion: 91.0
Area: 26834
Concentration: 10317.59 PPB
q-value: 92

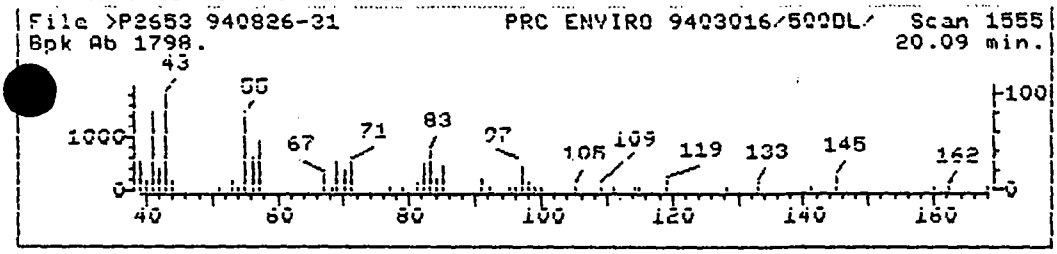
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



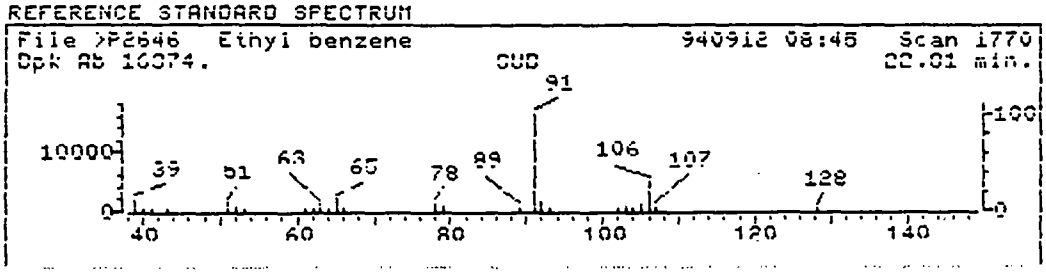
SAMPLE SPECTRUM (UNALTERED)



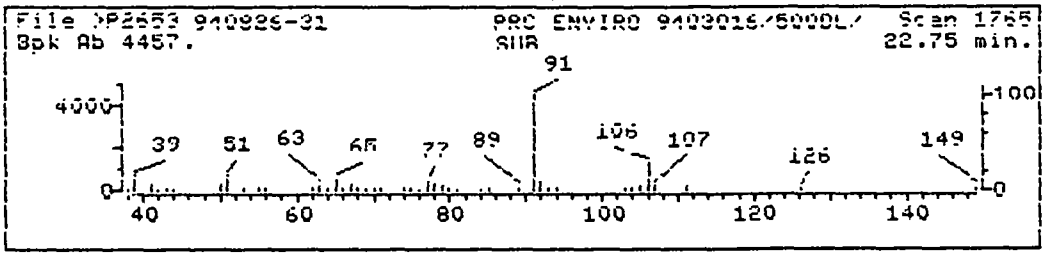
Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/500DL/J5
Quant Time: 940912 14:38 Quant ID File: IDCOM1::A3
Injected at: 940912 14:08 Last Calibration: 940912 10:00

Compound No: 34
Compound Name: 1,1,2-Trichloroethane
Scan Number: 1555
Retention Time: 20.09 min.
Quant Ion: 97.0
Area: 2299
Concentration: 3437.69 PPB
q-value: 58

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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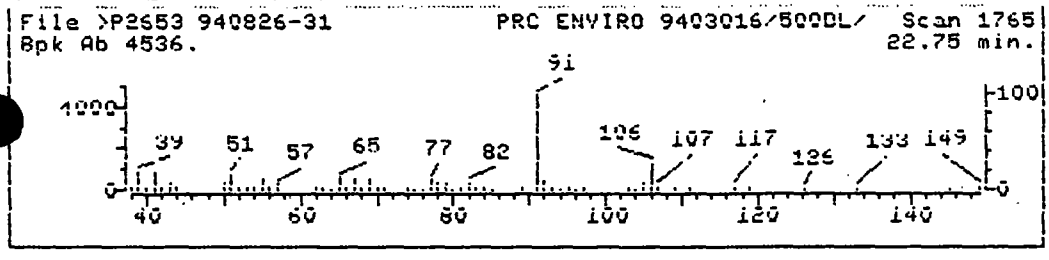
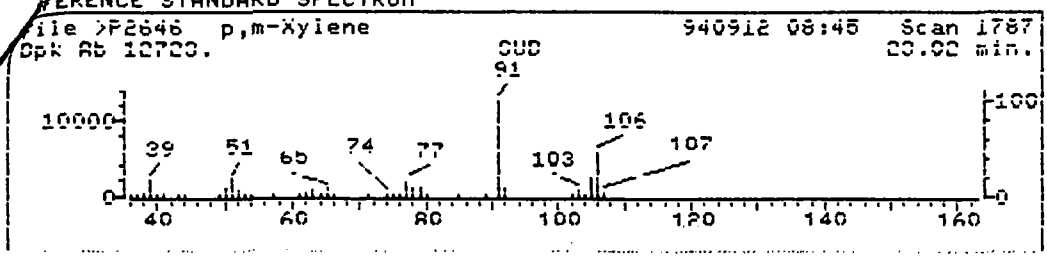


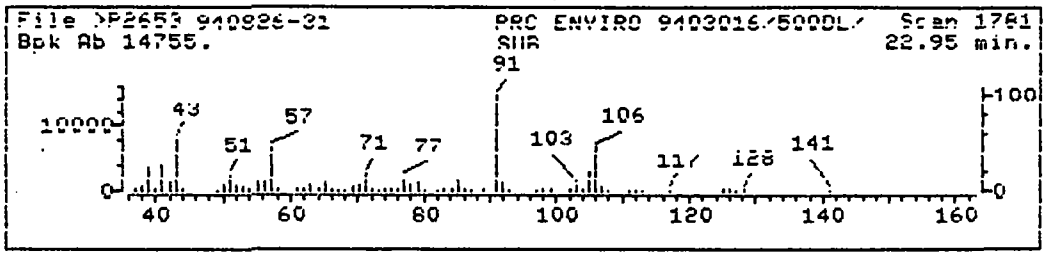
Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/500DL/J5
Quant Time: 940912 14:38 Quant ID File: IDCCW1::A3
Injected at: 940912 14:08 Last Calibration: 940912 10:00

Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1765
Retention Time: 22.75 min.
Quant Ion: 106.0
Area: 6812
Concentration: 8248.46 PPB
q-value: 96

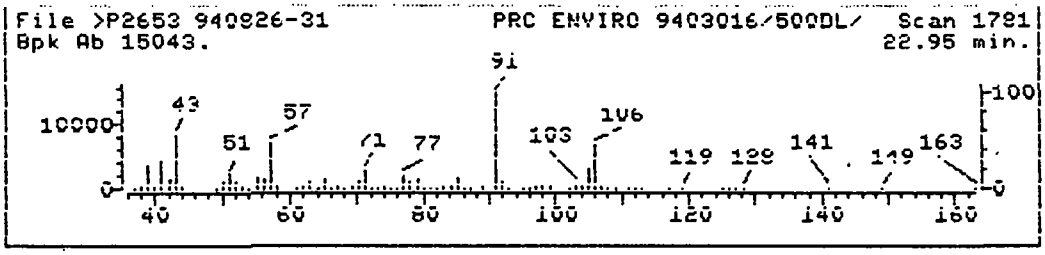
FERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



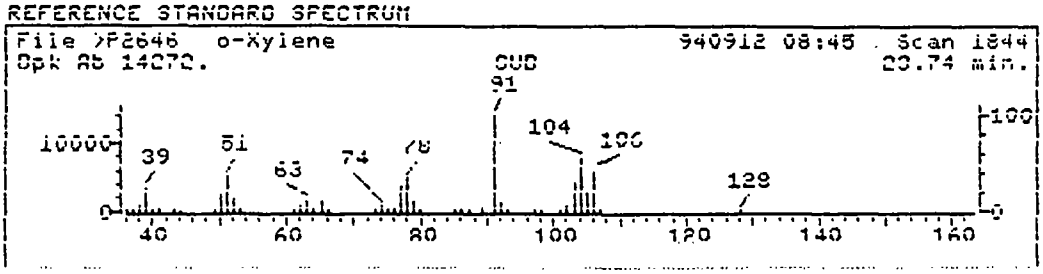
SAMPLE SPECTRUM (UNALTERED)



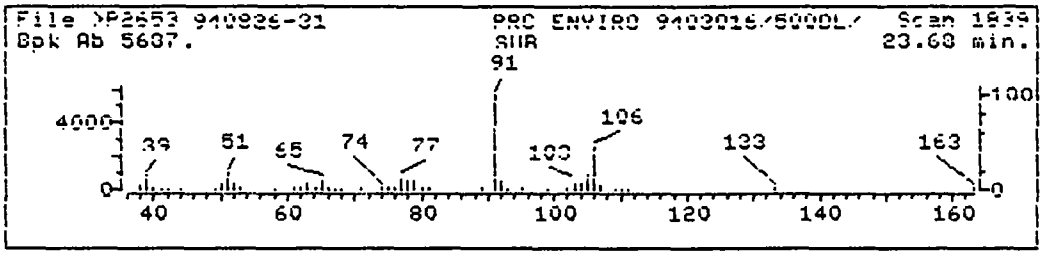
Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/500DL/J5
Quant Time: 940912 14:38 Quant ID File: IDCCW1::A3
Injected at: 940912 14:08 Last Calibration: 940912 10:00

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1781
Retention Time: 22.95 min.
Quant Ion: 106.0
Area: 37355M
Concentration: 35561.21 PPB
q-value: 99

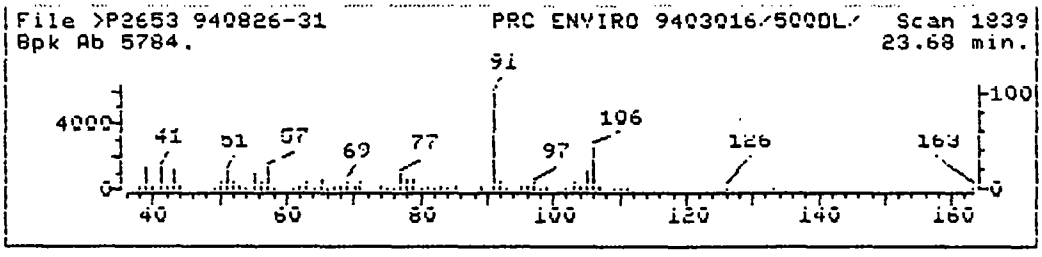
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2653::A5 Quant Output File: ^P2653::D1
Name: 940826-31
Misc: PRC ENVIRO 9403016/5000L/JS
Quant Time: 940912 14:38 Quant ID File: IDCCW1::A3
Injected at: 940912 14:08 Last Calibration: 940912 10:00

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1839
Retention Time: 23.68 min.
Quant Ion: 106.0
Area: 14205
Concentration: 13255.69 PPB
q-value: 92

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260031
CLIENT ID : SBA-02
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:00

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 03:09
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.14	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000439

QUANT REPORT

Operator ID: JULES
Output File: ^G6409::SC
Data File: >G6409::A4
Name: 940826-031
Misc: PRC 10DL

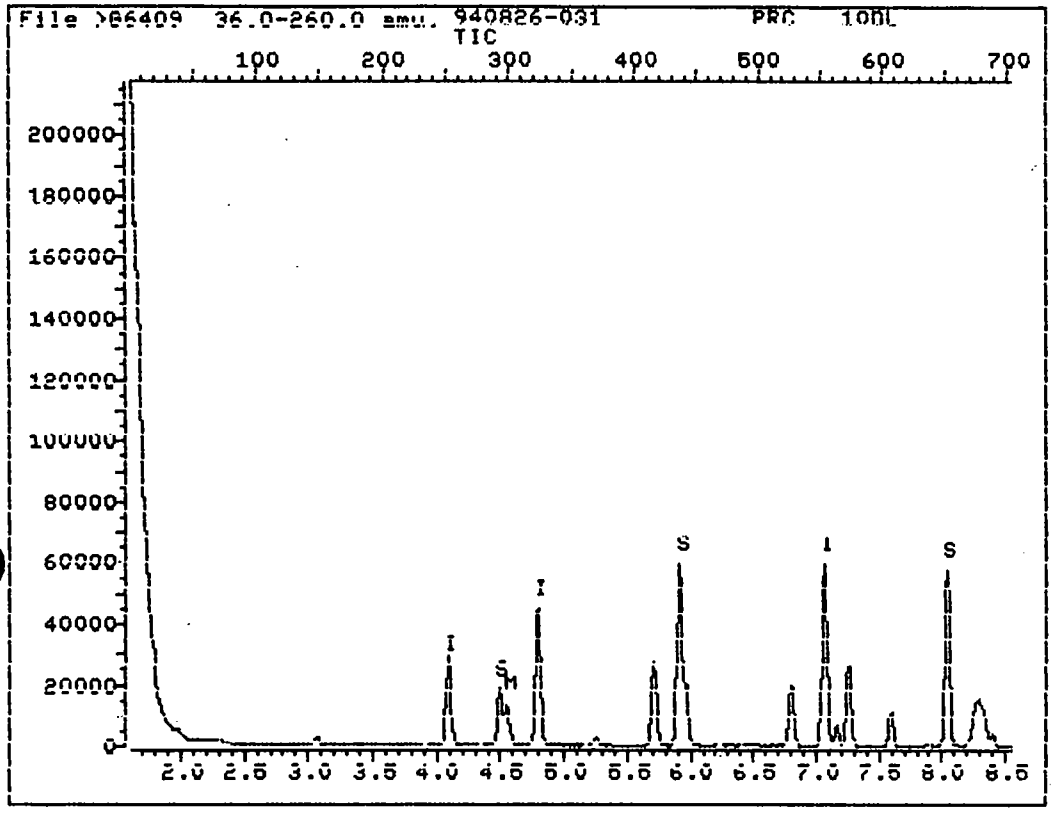
Quant Rev: 6 Quant Time: 940830 11:50
Injected at: 940828 03:09
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9525	50.00	ug/L	70
20)	*1,4-DIFLUOROBENZENE	4.79	323	50379	50.00	ug/L	94
22)	1,2-DICHLOROETHANE-D4	4.49	292	17687	524.44	ug/L	87
24)	Benzene	4.55	298	11697	144.44	ug/L	100
31)	TOLUENE-D8	5.91	436	53463	548.30	ug/L	90
35)	*CHLOROBENZENE-D5	7.06	553	46070	50.00	ug/L	97
46)	4-BROMOFLUOROBENZENE	8.04	652	31054	505.23	ug/L	95

* Compound is ISTD

TOTAL ION CHROMATOGRAM

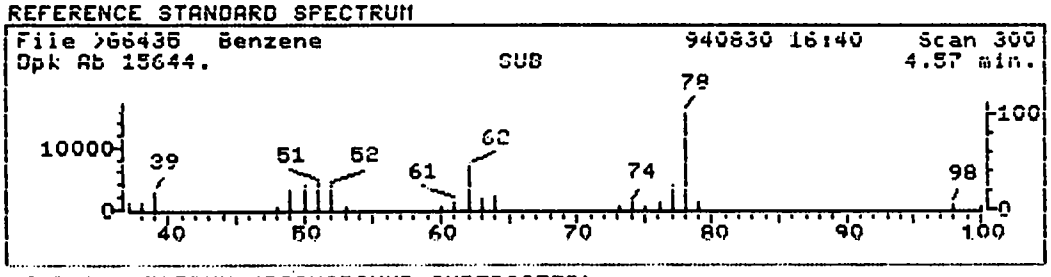


Data File: >G6409::A4 Quant Output File: ^G6409::SC
Name: 940826-031
Misc: PRC 10DL

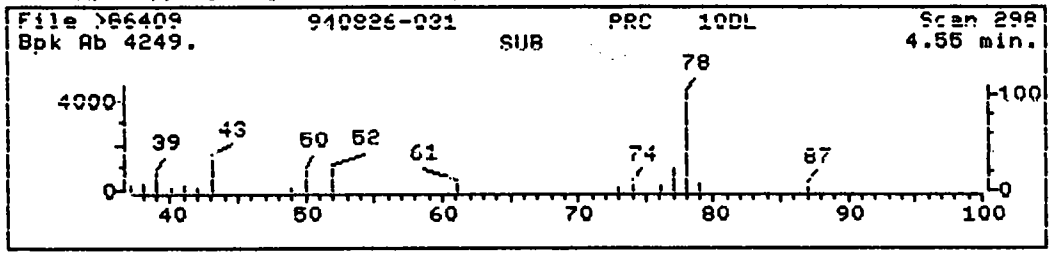
Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 11:50
Injected at: 940828 03:09

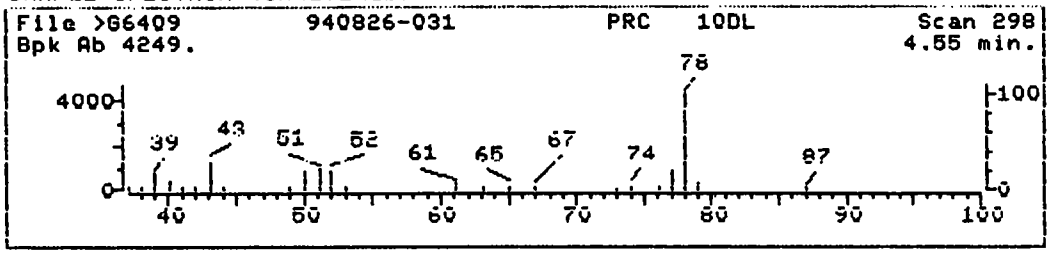
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6409::A4
Name: 940826-031
Misc: PRC 10DL
Quant Time: 940830 11:50
Injected at: 940828 03:09

Quant Output File: ^G6409::SC
Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 24
Compound Name: Benzene
Scan Number: 298
Retention Time: 4.55 min.
Quant Ion: 78.0
Area: 11697
Concentration: 144.44 ug/L
q-value: 100

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260032
CLIENT ID : SBA-03
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:20

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/10/94 METHOD: 8240
ANALYSIS TIME: 17:27 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		41.8	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene		36.1	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride		18.8	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene	<	DL	1250	6.25
Toluene		97.4	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene		350	1250	6.25

0000443

QUANT REPORT

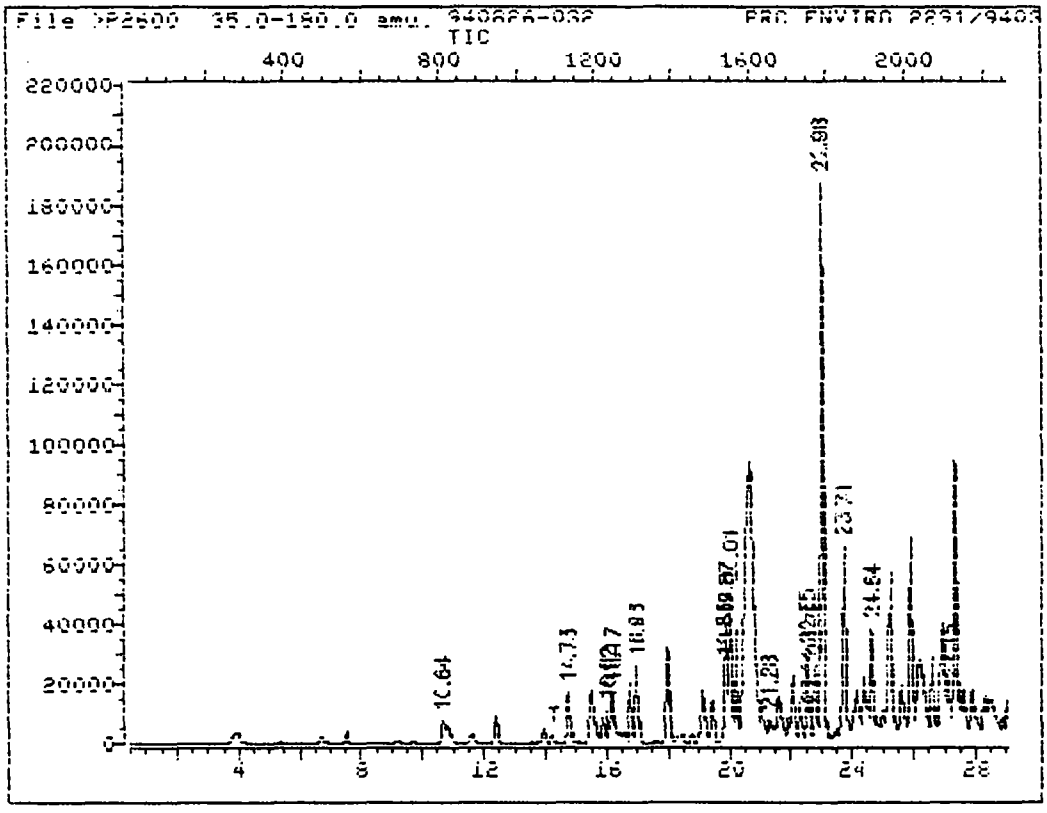
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940910 17:57
Output File: ^F2600::D1 Injected at: 940910 17:27
Data File: >F2600::A5 Dilution Factor: 1250.000
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/1250DL/JS

ID File: IDCC01::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.73	1131	12526	50.00	PPB	82
11)	Methylene chloride	10.64	887	10408	18805.80	PPB	78
16)	cis-1,2-Dichloroethylene	14.18	1086	7169	4566.36	PPB	84
20)	*1,4-DIFLUOROBENZENE	16.96	1308	57051	50.00	PPB	88
22)	1,2-DICHLOROETHANE-D4	16.02	1233	22183	62325.79	PPB	80
24)	Benzene	16.17	1245	41301	41795.42	PPB	100
30)	4-Methyl-2-pentanone	19.83	1535	2751	7348.76	PPB	60
31)	TOLUENE-D8	19.87	1538	52730	63627.90	PPB	95
32)	Toluene	20.01	1549	101939	97374.28	PPB	99
35)	*CHLOROBENZENE-D5	22.55	1750	44166	50.00	PPB	94
36)	Tetrachloroethene	21.03	1630	1186	3233.47	PPB	98
38)	2-Hexanone	21.28	1650	5000	26950.02	PPB	49
40)	Chlorobenzene	22.61	1755	873	1161.92	PPB	91
41)	Ethyl benzene	22.78	1768	12984	36097.32	PPB	96
42)	p,m-Xylene	22.98	1784	118295M	258345.6	PPB	99
43)	o-Xylene	23.71	1842	41648	90438.27	PPB	95
46)	BROMOFLUOROBENZENE	24.64	1915	47079	72588.89	PPB	67
50)	1,2-Dichlorobenzene	27.15	2113	409	713.08	PPB	94

* Compound is ISTD

TOTAL ION CHROMATOGRAM

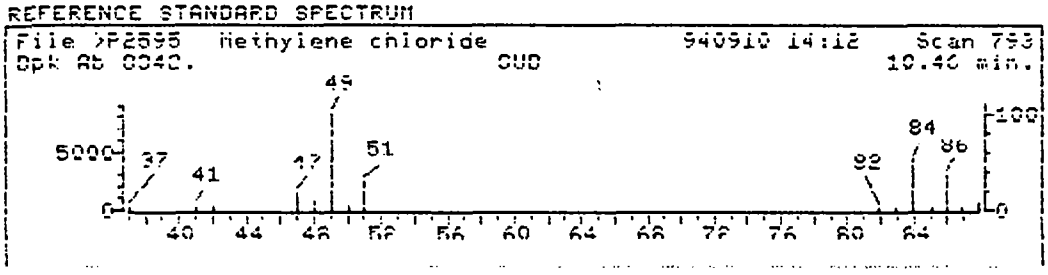


Data File: >P2600::A5 Quant Output File: ^P2600::D1
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/1250DL/JS

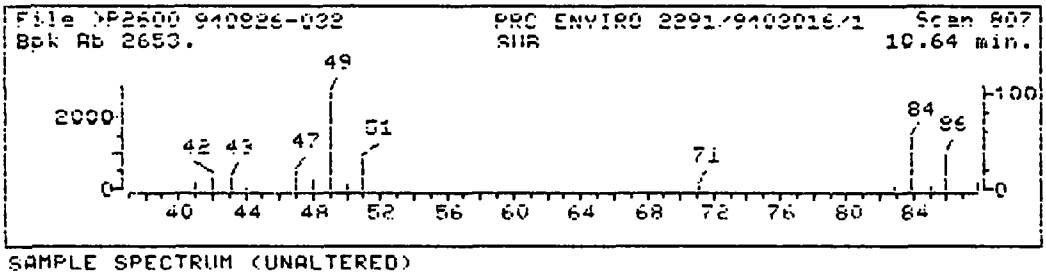
Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

Operator ID: BUBBA
Quant Time: 940910 17:57
Injected at: 940910 17:27

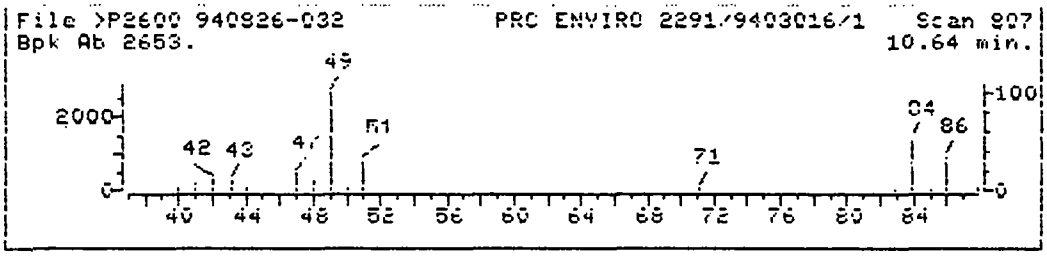
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



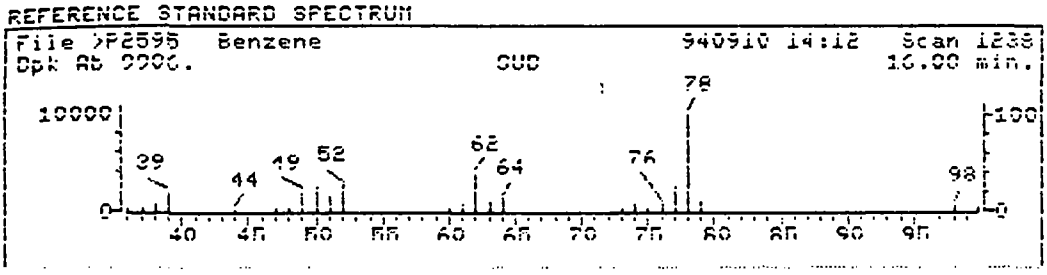
SAMPLE SPECTRUM (UNALTERED)



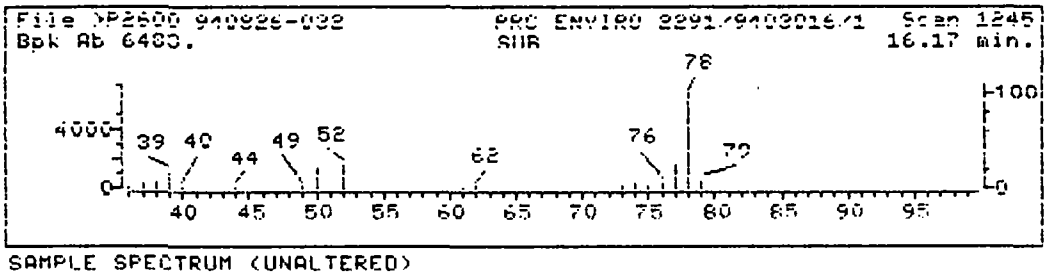
Data File: >P2600::A5 Quant Output File: ^P2600::D1
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940910 17:57 Quant ID File: IDCCW1::A3
Injected at: 940910 17:27 Last Calibration: 940910 15:00

Compound No: 11
Compound Name: Methylene chloride
Scan Number: 807
Retention Time: 10.64 min.
Quant Ion: 84.0
Area: 10408
Concentration: 18805.80 PPB
q-value: 78

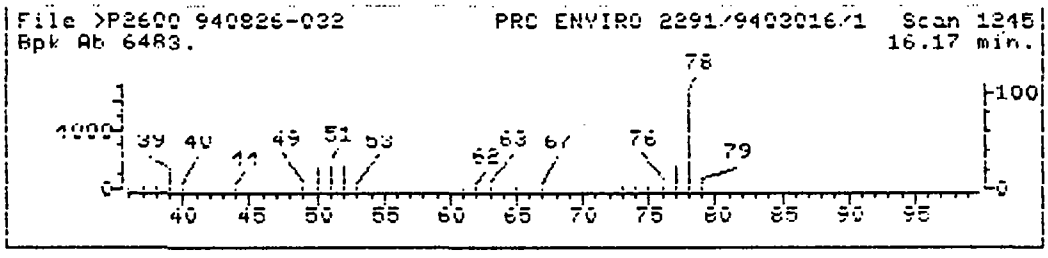
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



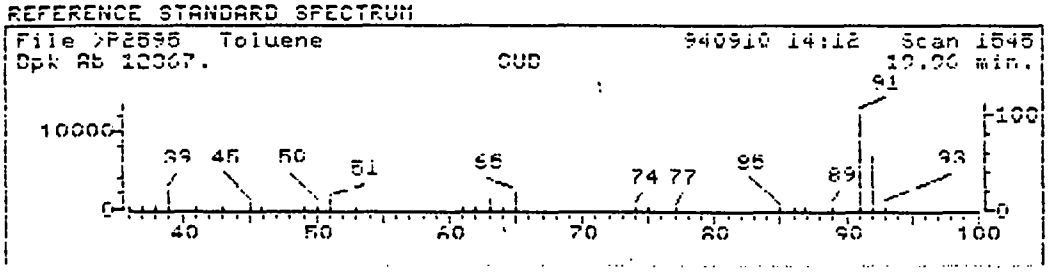
SAMPLE SPECTRUM (UNALTERED)



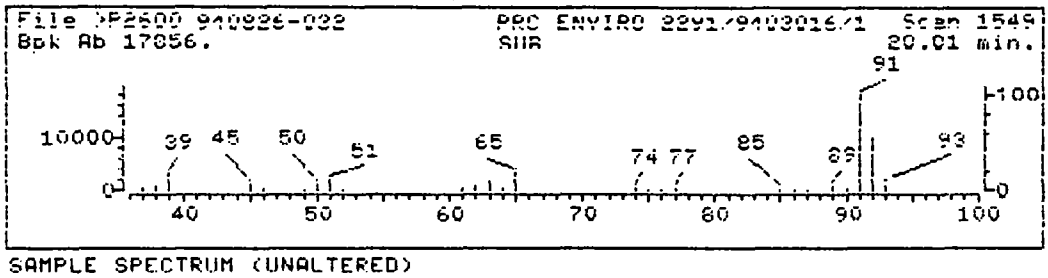
Data File: >P2600::A5 Quant Output File: ^P2600::D1
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/125UDL/JS
Quant Time: 940910 17:57 Quant ID File: IDCCW1::A3
Injected at: 940910 17:27 Last Calibration: 940910 15:00

Compound No: 24
Compound Name: Benzene
Scan Number: 1245
Retention Time: 16.17 min.
Quant Ion: 78.0
Area: 41301
Concentration: 41795.42 PPB
q-value: 100

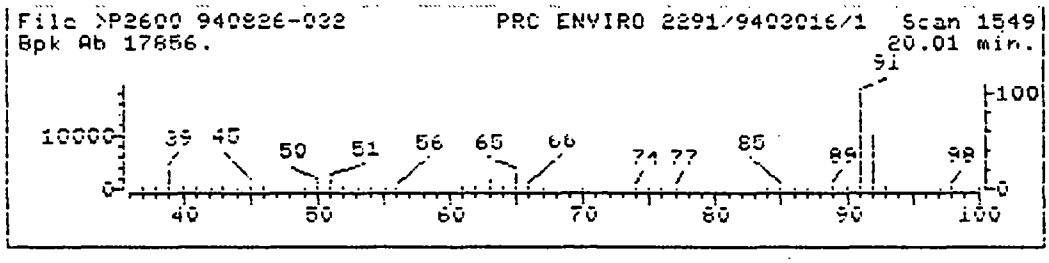
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



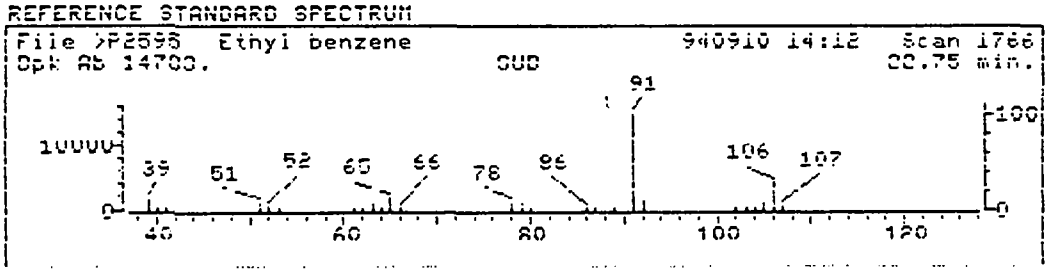
SAMPLE SPECTRUM (UNALTERED)



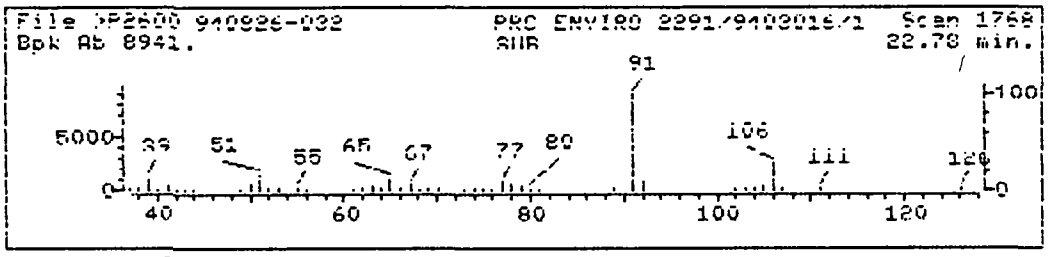
Data File: >P2600::A5 Quant Output File: ^P2600::D1
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/125UDL/JS
Quant Time: 940910 17:57 Quant ID File: IDCCW1::A3
Injected at: 940910 17:27 Last Calibration: 940910 15:00

Compound No: 32
Compound Name: Toluene
Scan Number: 1549
Retention Time: 20.01 min.
Quant Ion: 91.0
Area: 101939
Concentration: 9734.28 PPB
q-value: 99

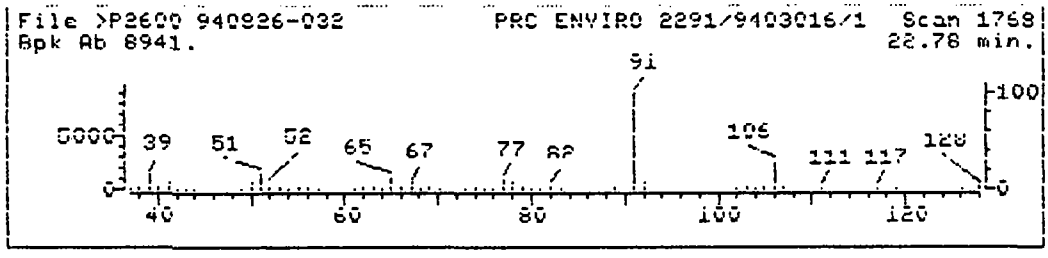
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



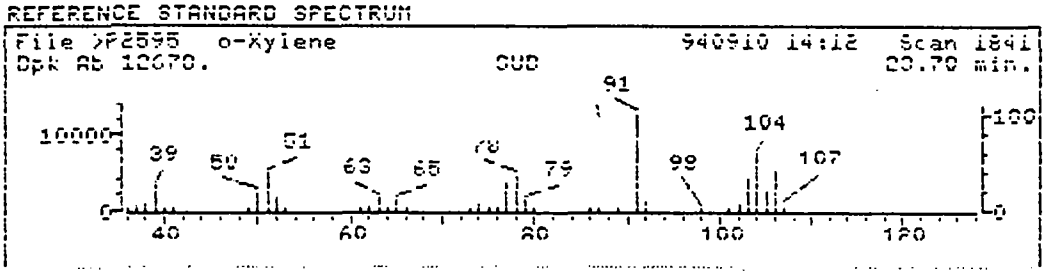
SAMPLE SPECTRUM (UNALTERED)



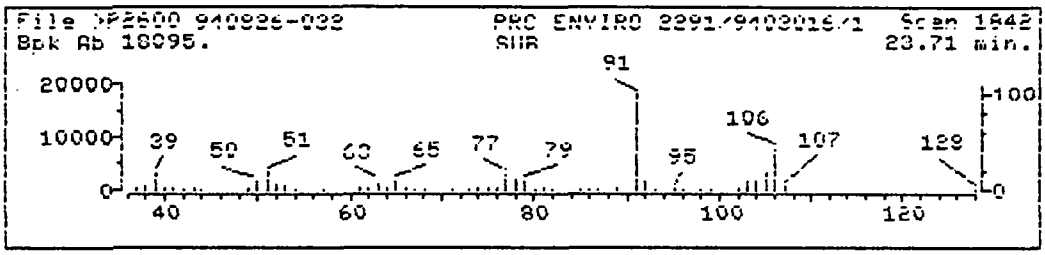
Data File: >P2600::A5 Quant Output File: ^P2600::D1
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940910 17:57 Quant ID File: IDCCW1::A3
Injected at: 940910 17:27 Last Calibration: 940910 15:00

Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1768
Retention Time: 22.78 min.
Quant Ion: 106.0
Area: 12904
Concentration: 36897.32 PPB
q-value: 96

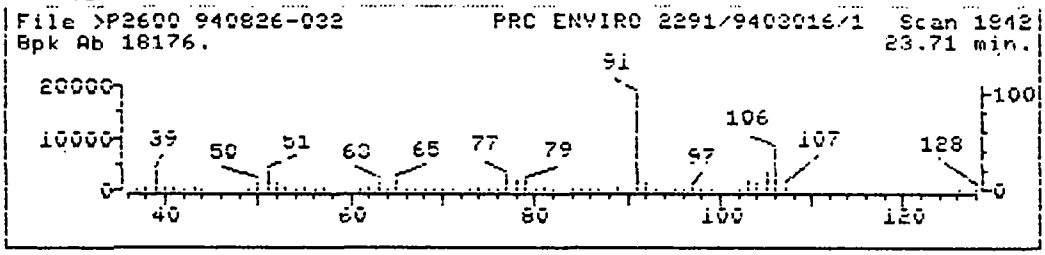
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



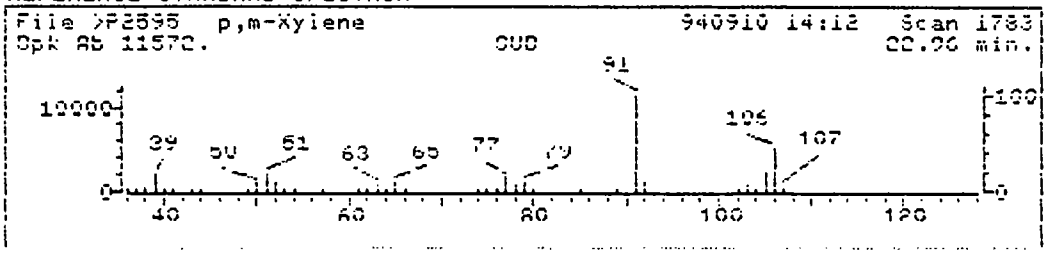
SAMPLE SPECTRUM (UNALTERED)



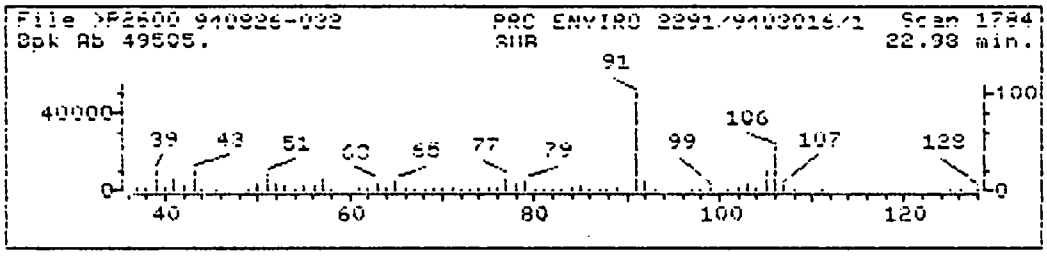
Data File: >P2600::A5 Quant Output File: ^P2600::D1
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/125UDL/J5
Quant Time: 940910 17:57 Quant ID File: IDCCW1::A3
Injected at: 940910 17:27 Last Calibration: 940910 15:00

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1842
Retention Time: 23.71 min.
Quant Ion: 106.0
Area: 41648
Concentration: 90438.27 PPB
q-value: 95

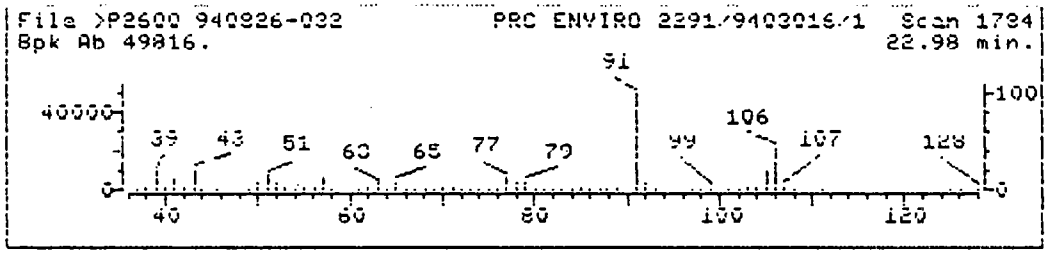
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2600::A5 Quant Output File: ^P2600::D1
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 17:57 Quant ID File: IDCCN1::A3
Injected at: 940910 17:27 Last Calibration: 940910 15:00

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1784
Retention Time: 22.98 min.
Quant Ion: 106.0
Area: 118295M
Concentration: 259345.6 PPB
q-value: 99

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Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :

SAMPLE NO : 9408260032
CLIENT ID : SBA-03
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:20

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp

ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 06:17

PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	*1.07	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	0.13	100.0	0.05	10	8240
Chloroform	0.06	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	*0.28	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000452

QUANT REPORT

Operator ID: JULES
Output File: ^G6418::SC
Data File: >G6418::A4
Name: 940826-032
Misc: PCR 10DL

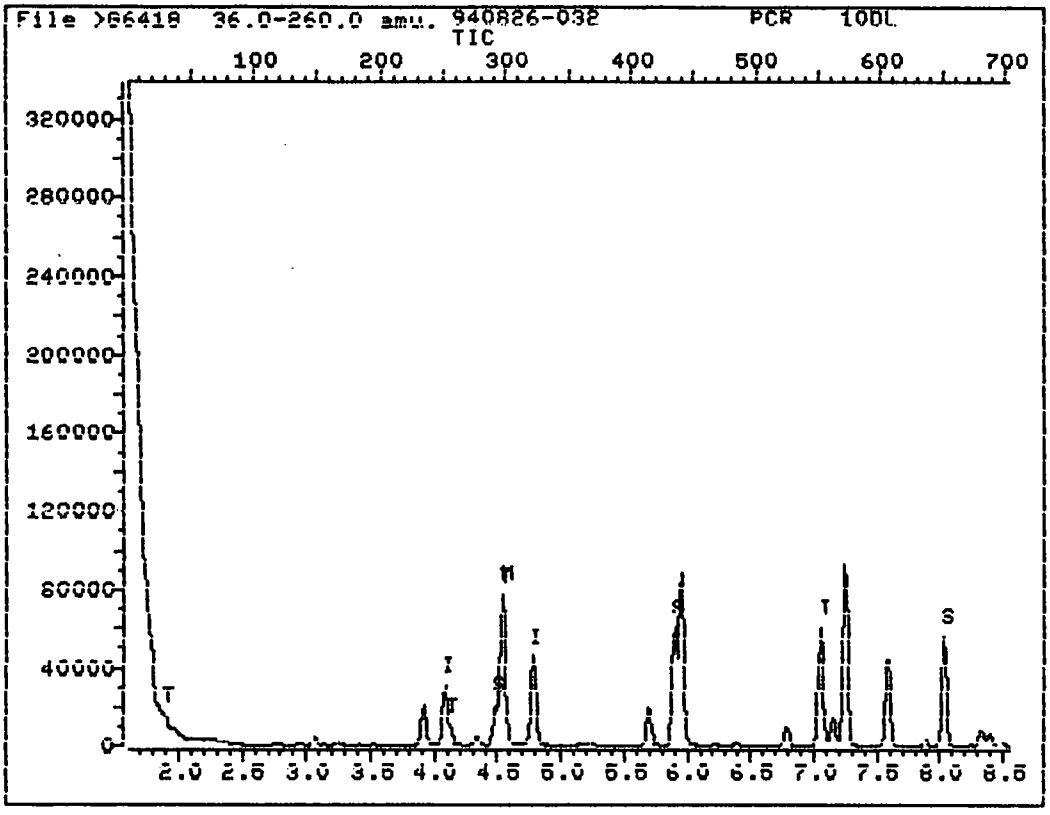
Quant Rev: 6 Quant Time: 940830 13:03
Injected at: 940828 06:17
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9283	50.00	ug/L	78
3)	Vinyl chloride	1.90	30	3736	281.89	ug/L	92
18)	Chloroform	4.12	255	7612	128.36	ug/L	98
20)	*1,4-DIFLUOROBENZENE	4.77	321	51300	50.00	ug/L	95
22)	1,2-DICHLOROETHANE-D4	4.49	292	18478	538.06	ug/L	91
23)	1,2-Dichloroethane	4.54	297	2038	58.73	ug/L	93
24)	Benzene	4.55	298	88382	1071.81	ug/L	100
31)	TOLUENE-D8	5.90	435	55294	556.90	ug/L	91
35)	*CHLOROBENZENE-D5	7.05	552	46733	50.00	ug/L	99
46)	4-BROMOFLUOROBENZENE	8.03	651	30448	488.34	ug/L	95

* Compound is ISTD

TOTAL ION CHROMATOGRAM

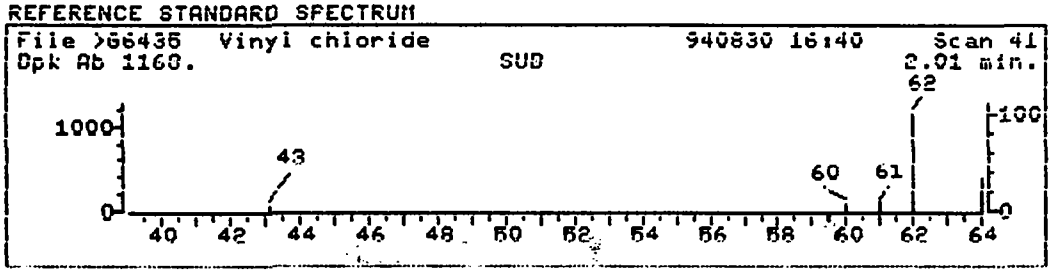


Data File: >G6418::A4 Quant Output File: ^G6418::SC
Name: 940826-032
Misc: PCR 10DL

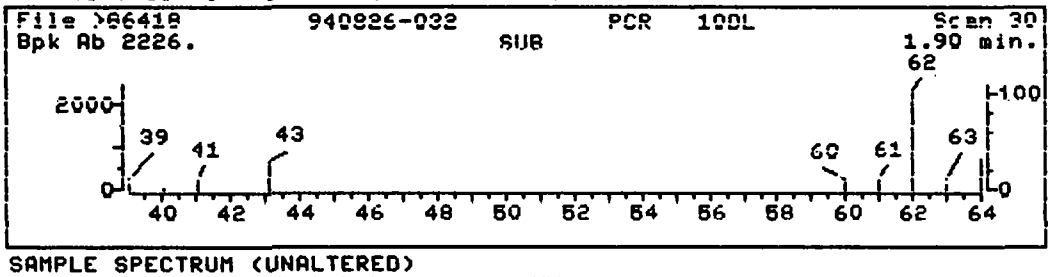
Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 13:03
Injected at: 940828 06:17

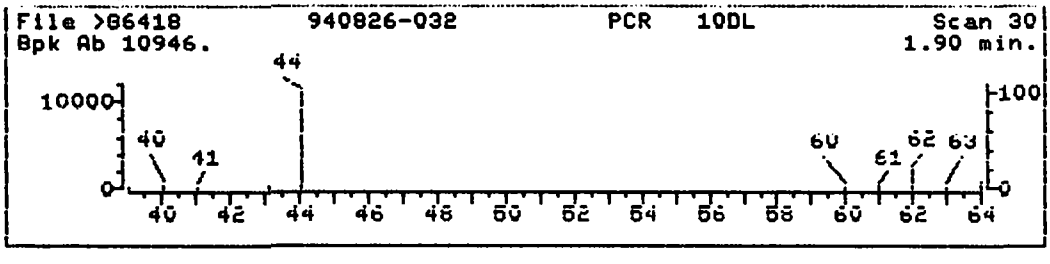
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

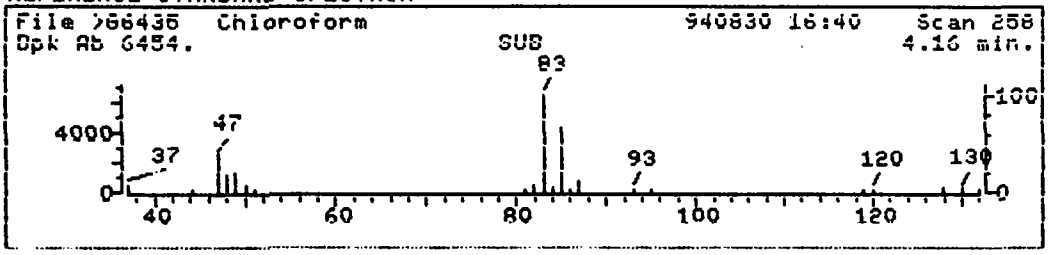


Data File: >G6418::A4
Name: 940826-032
Misc: PCR 10DL
Quant Time: 940830 13:03
Injected at: 940828 06:17

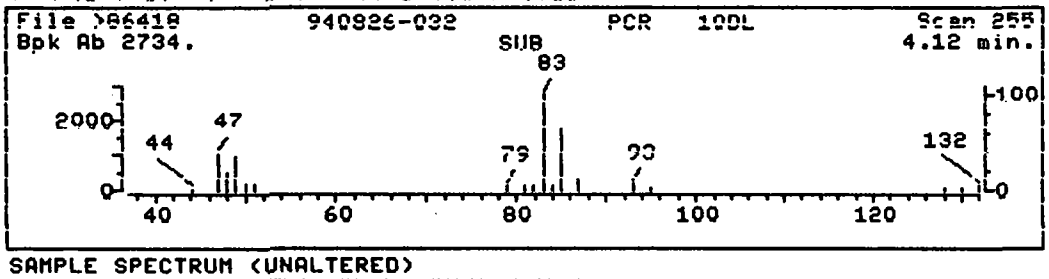
Quant Output File: ^G6418::SC
Quant ID File: ID1NW2::A3
Last Calibration: 940828 01:25

Compound No: 3
Compound Name: Vinyl chloride
Scan Number: 30
Retention Time: 1.90 min.
Quant Ion: 62.0
Area: 3736
Concentration: 281.89 ug/L
q-value: 92

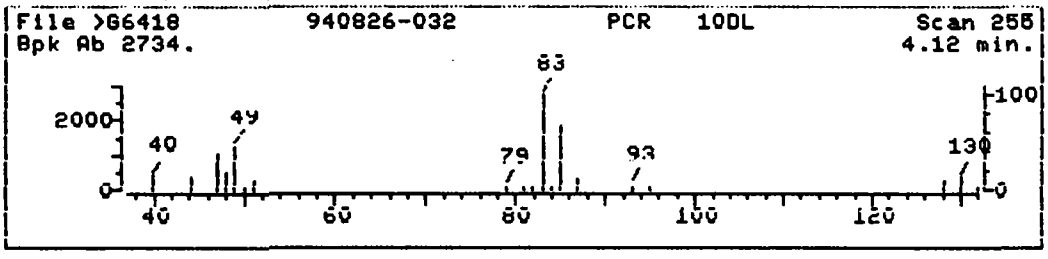
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

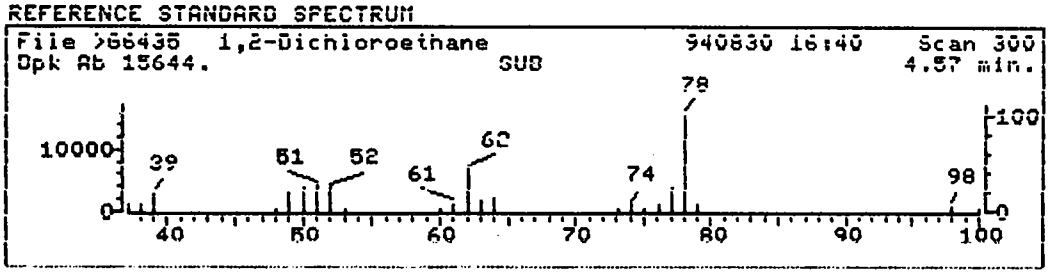


Data File: >G6418::A4
Name: 940826-032
Misc: PCR 10DL
Quant Time: 940830 13:03
Injected at: 940828 06:17

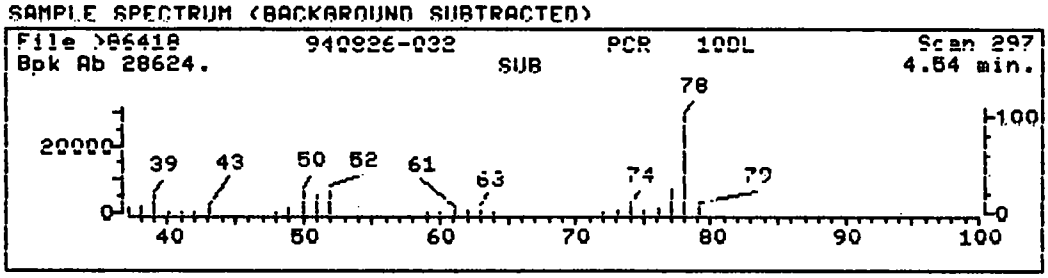
Quant Output File: ^G6418::SC
Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 18
Compound Name: Chloroform
Scan Number: 255
Retention Time: 4.12 min.
Quant Ion: 83.0
Area: 7612
Concentration: 128.36 ug/L
q-value: 98

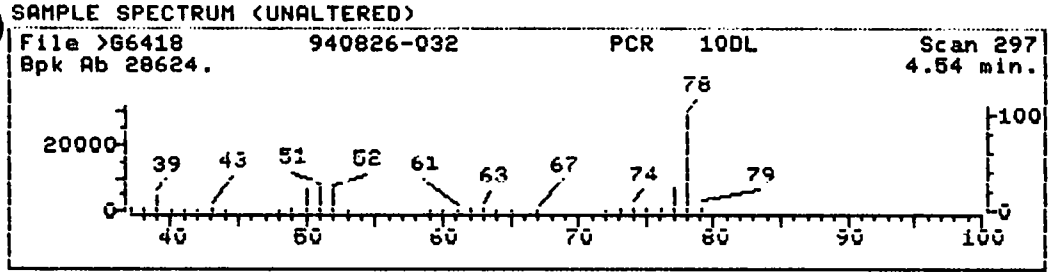
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

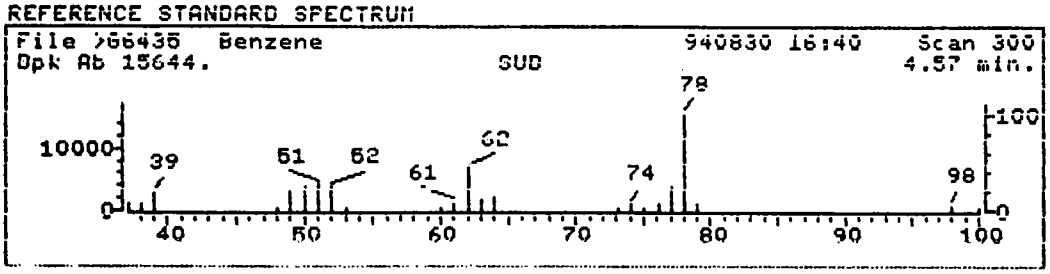


Data File: >G6418::A4
Name: 940826-032
Misc: PCR 10DL
Quant Time: 940830 13:03
Injected at: 940828 06:17

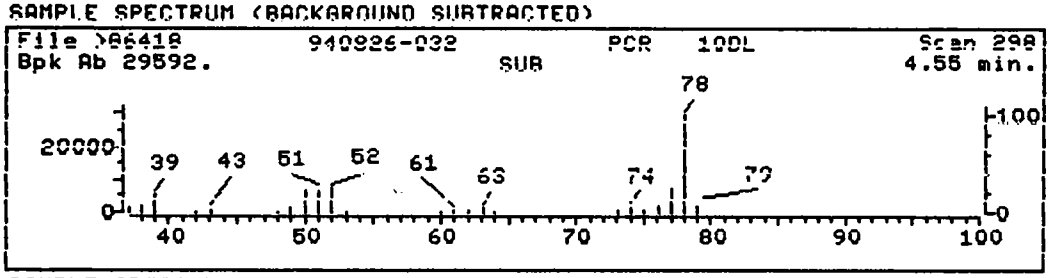
Quant Output File: ^G6418::SC
Quant ID File: IDINW2::A3
Last Calibration: 940828 01:25

Compound No: 23
Compound Name: 1,2-Dichloroethane
Scan Number: 297
Retention Time: 4.54 min.
Quant Ion: 62.0
Area: 2038
Concentration: 58.23 ug/L
q-value: 93

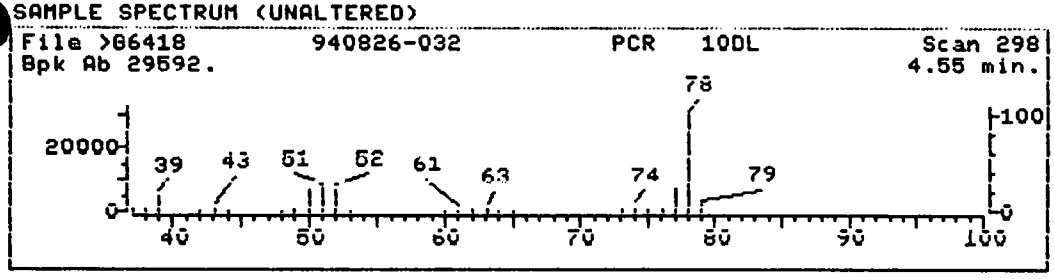
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6418::A4
Name: 940826-032
Misc: PCR 10DL
Quant Time: 940830 13:03
Injected at: 940828 06:17

Quant Output File: ^G6418::SC
Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 24
Compound Name: Benzene
Scan Number: 298
Retention Time: 4.55 min.
Quant Ion: 78.0
Area: 88382
Concentration: 1071.81 ug/L
q-value: 100

Inchcape Testing Services
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7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260033
CLIENT ID : SBA-04
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:30

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/10/94 METHOD: 8240
ANALYSIS TIME: 18:03 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		23.1	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene		13.2	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride	<	DL	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene	<	DL	1250	6.25
Toluene		50.8	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene		183	1250	6.25

0000459

QUANT REPORT

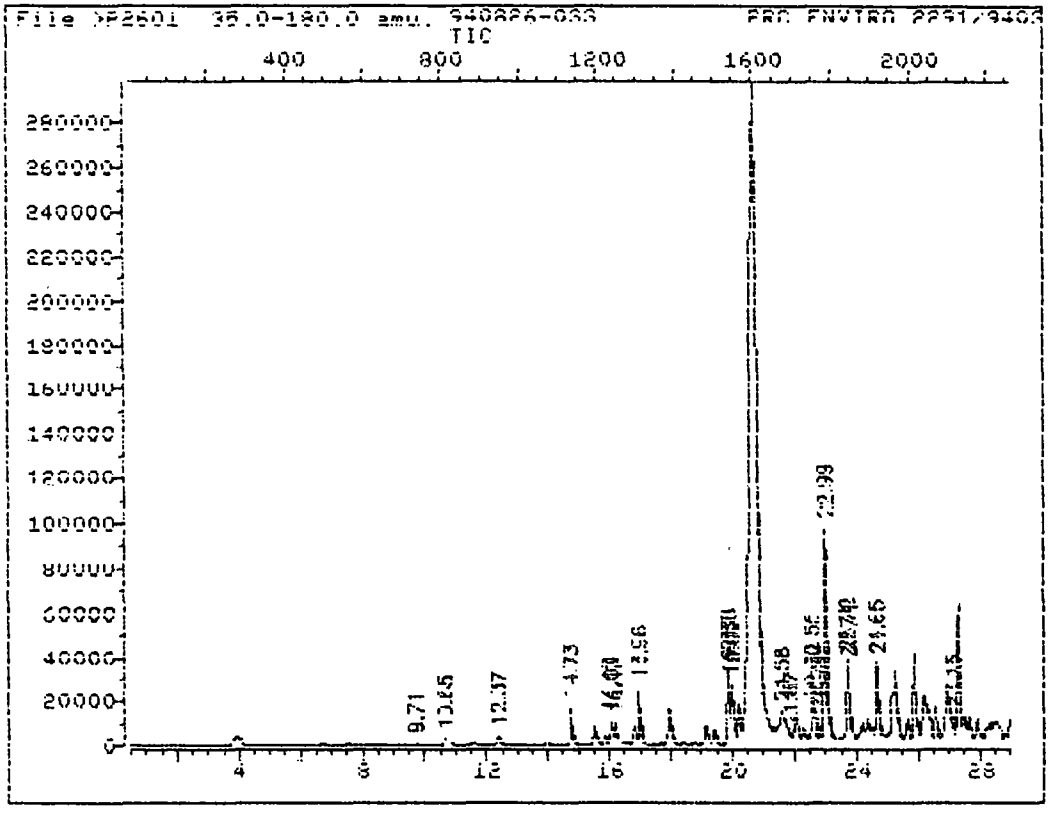
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940910 18:32
Output File: ^P2601::D1 Injected at: 940910 18:05
Data File: >P2601::A5 Dilution Factor: 1250.000
Name: 940826-033
Misc: PRC ENVIRO 2291/9403016/1250DL/JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.73	1131	12736	50.00	PPB	77
9)	Carbon disulfide	9.71	733	3581	3729.57	PPB	96
11)	Methylene chloride	10.65	808	3261	5795.02	PPB	74
15)	Vinyl acetate	12.37	944	6151	11590.48	PPB	83
20)	*1,4-DIFLUOROBENZENE	16.96	1308	57523	50.00	PPB	86
22)	1,2-DICHLOROETHANE-D4	16.03	1234	22014	61343.44	PPB	81
24)	Benzene	16.17	1245	23023	23107.44	PPB	100
30)	4-Methyl-2-pentanone	19.85	1537	2296	7434.19	PPB	96
31)	TOLUENE-D8	19.88	1539	51872	62078.98	PPB	91
32)	Toluene	19.99	1548	53573	50754.16	PPB	95
35)	*CHLOROBENZENE-D5	22.55	1750	44627	50.00	PPB	91
36)	Tetrachloroethene	21.04	1631	331	893.51	PPB	70
37)	Dibromochloromethane	21.87	1696	106	238.09	PPB	70
38)	2-Hexanone	21.58	1673	179	955.28	PPB	67
40)	Chlorobenzene	22.60	1754	870	1146.48	PPB	95
41)	Ethyl benzene	22.78	1768	4752	13161.76	PPB	96
42)	p,m-Xylene	22.99	1785	61387/M133252.6		PPB	99
43)	o-Xylene	23.72	1842	23059	49577.61	PPB	96
44)	Styrene	23.74	1844	7090	9434.53	PPB	53
46)	BROMOFLUOROBENZENE	24.65	1916	45203	69007.64	PPB	64
50)	1,2-Dichlorobenzene	27.15	2113	254	438.47	PPB	97

* Compound is ISTD

TOTAL ION CHROMATOGRAM



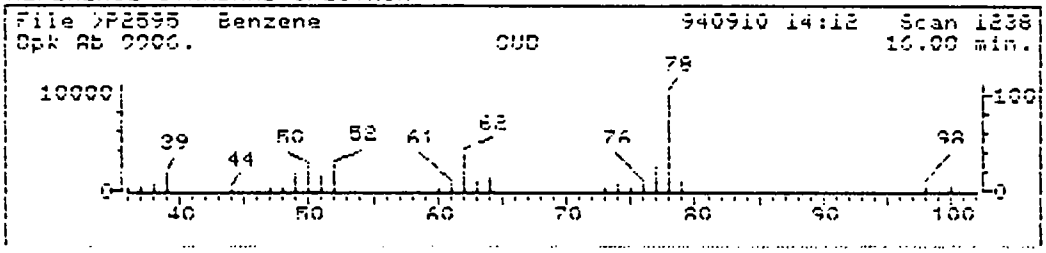
Data File: >P2601::A5 Quant Output File: ^P2601::D1
Name: 940826-033
Misc: PRC ENVIRO 2291/9403016/1250DL/J5

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

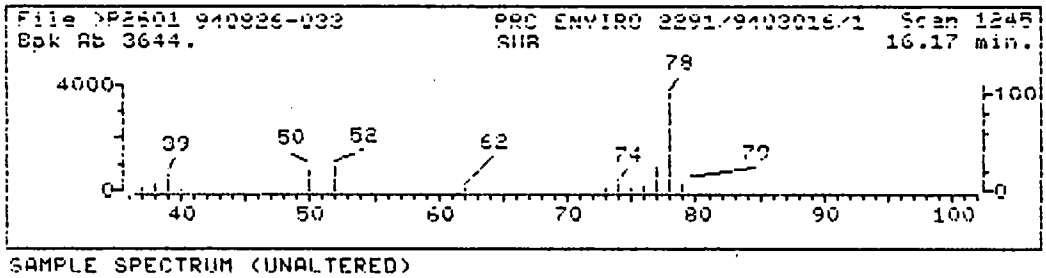
Operator ID: BUBBA
Quant Time: 940910 18:32
Injected at: 940910 18:03

REFERENCE
File

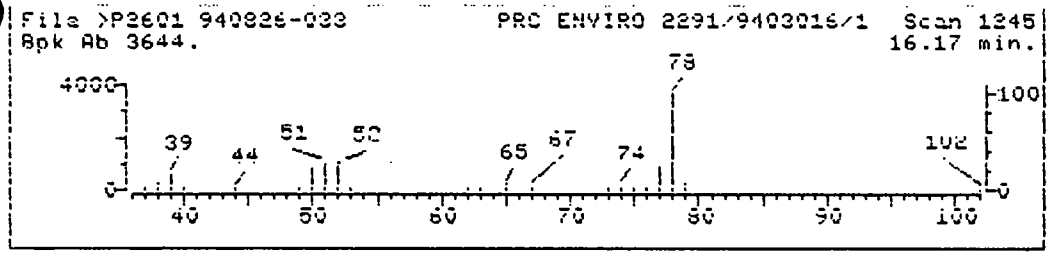
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



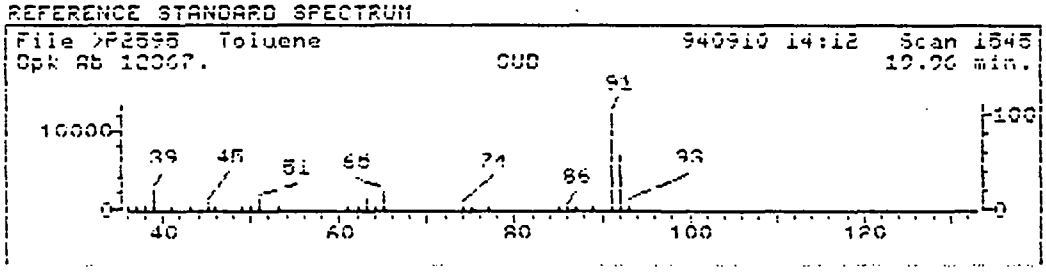
SAMPLE SPECTRUM (UNALTERED)



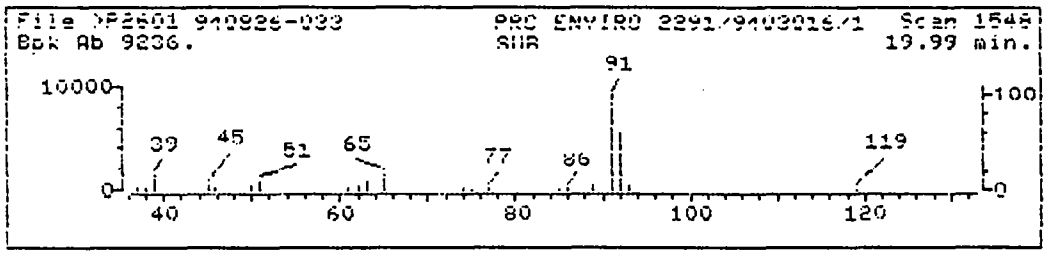
Data File: >P2601::A5 Quant Output File: ^P2601::D1
Name: 940826-033
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940910 18:32 Quant ID File: IDCOM1::A3
Injected at: 940910 18:03 Last Calibration: 940910 15:00

Compound No: 24
Compound Name: Benzene
Scan Number: 1245
Retention Time: 16.17 min.
Quant Ion: 78.0
Area: 23023
Concentration: 2310?.44 PPB
q-value: 100

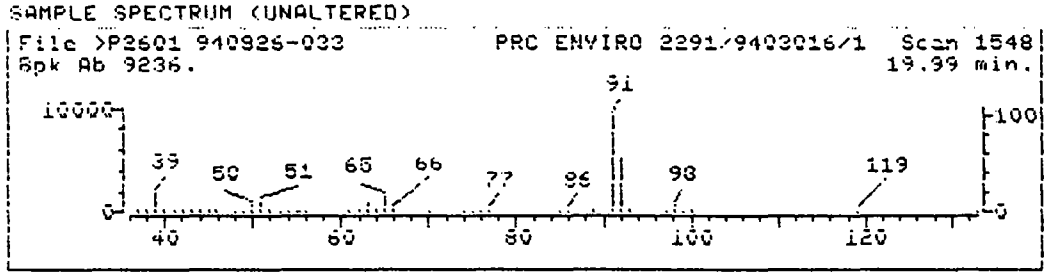
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

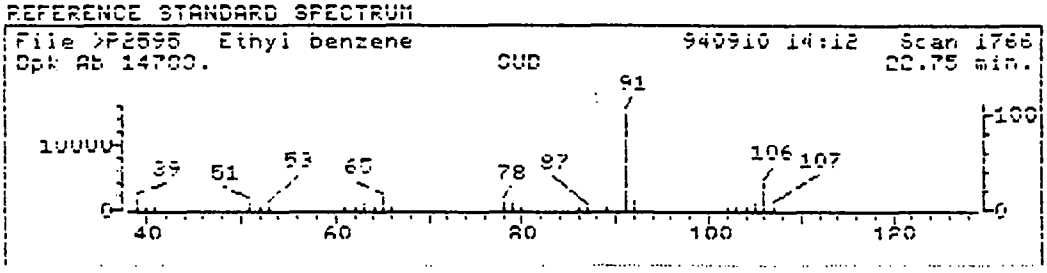


Data File: >P2601::A5 Quant Output File: ^P2601::D1
Name: 940826-033
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940910 18:32 Quant ID File: IDCOM1::A3
Injected at: 940910 18:03 Last Calibration: 940910 15:00

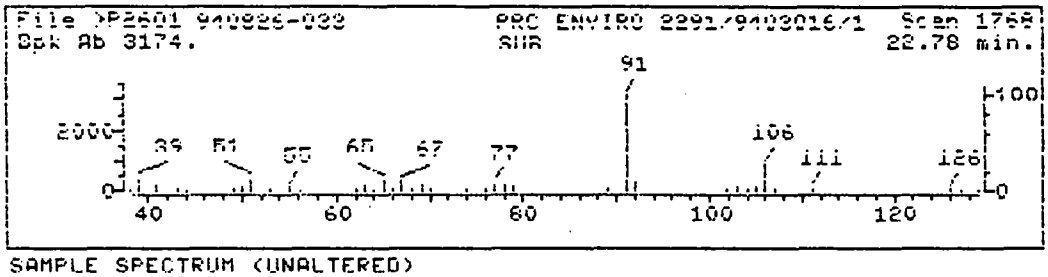
Compound No: 32
Compound Name: Toluene
Scan Number: 1548
Retention Time: 19.99 min.
Quant Ion: 91.0
Area: 53573
Concentration: 50754.16 PPB
q-value: 95

C000463

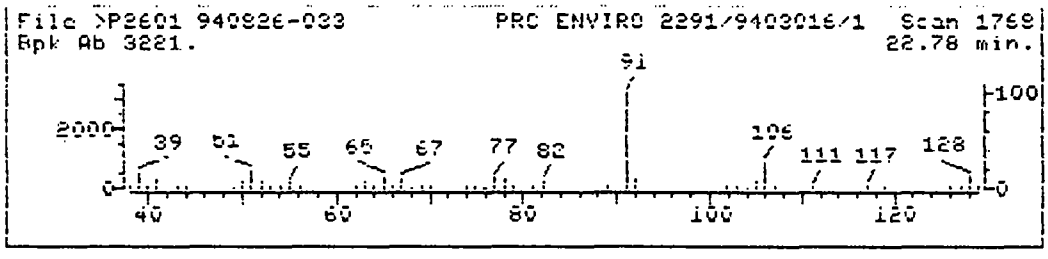
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



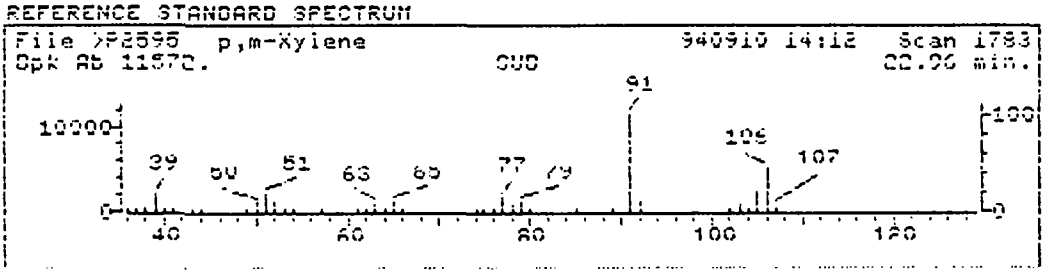
SAMPLE SPECTRUM (UNALTERED)



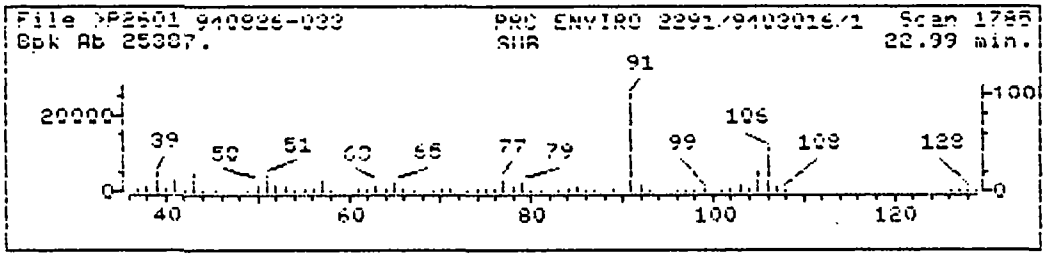
Data File: >P2601::A5 Quant Output File: ^P2601::D1
Name: 940826-033
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 18:32 Quant ID File: IDCOM1::A3
Injected at: 940910 18:03 Last Calibration: 940910 15:00

Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1768
Retention Time: 22.78 min.
Quant Ion: 106.0
Area: 4752
Concentration: 13161.76 PPB
q-value: 96

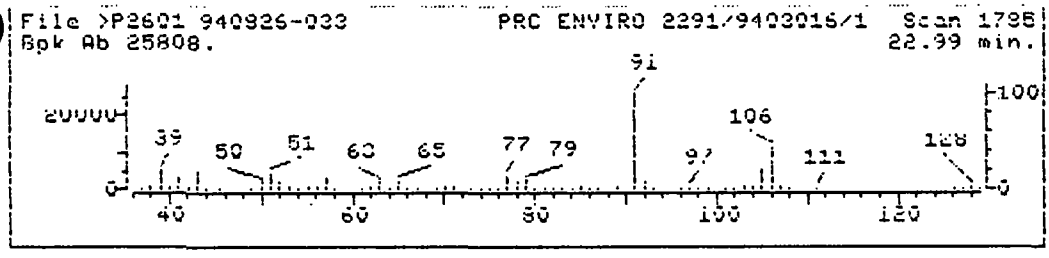
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



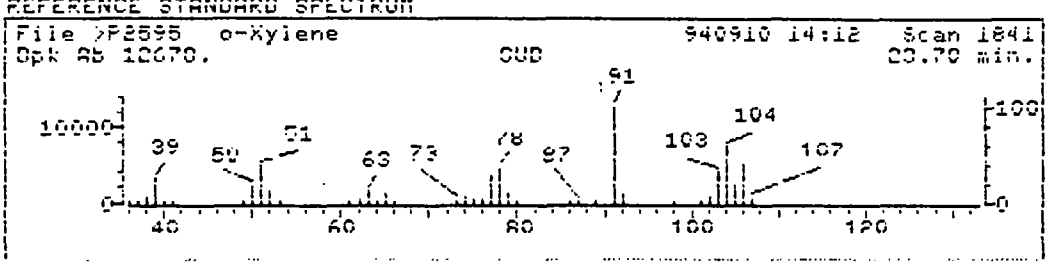
SAMPLE SPECTRUM (UNALTERED)



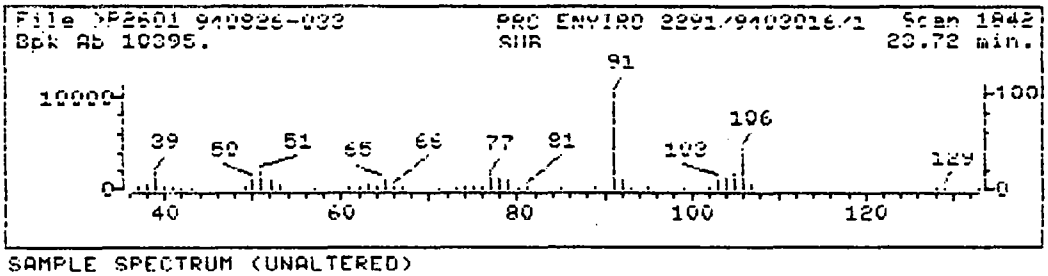
Data File: >P2601::A5 Quant Output File: ^P2601::D1
Name: 940826-033
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940910 18:32 Quant ID File: IDCOM1::A3
Injected at: 940910 18:03 Last Calibration: 940910 15:00

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1785
Retention Time: 22.99 min.
Quant Ion: 106.0
Area: 61387M
Concentration: 133252.6 PPB
q-value: 99

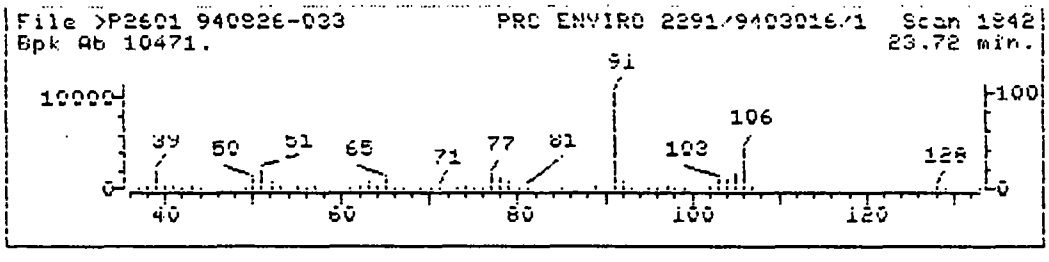
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2601::A5 Quant Output File: ^P2601::D1
Name: 940826-033
Misc: PRC ENVIRO 2291/9403016/125UDL/J5
Quant Time: 940910 18:32 Quant ID File: IDCOM1::A3
Injected at: 940910 18:03 Last Calibration: 940910 15:00

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1842
Retention Time: 23.72 min.
Quant Ion: 106.0
Area: 23059
Concentration: 4957.61 PPB
q-value: 96

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260033
CLIENT ID : SBA-04
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:30

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 06:35
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	*0.53	0.5	0.05	10	8240
Carbon tetrachloride	0.06	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	0.31	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	*0.32	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000467

QUANT REPORT

Operator ID: JULES
Output File: ^G6419::SC
Data File: >G6419::A4
Name: 940826-033
Misc: PCR 10DL

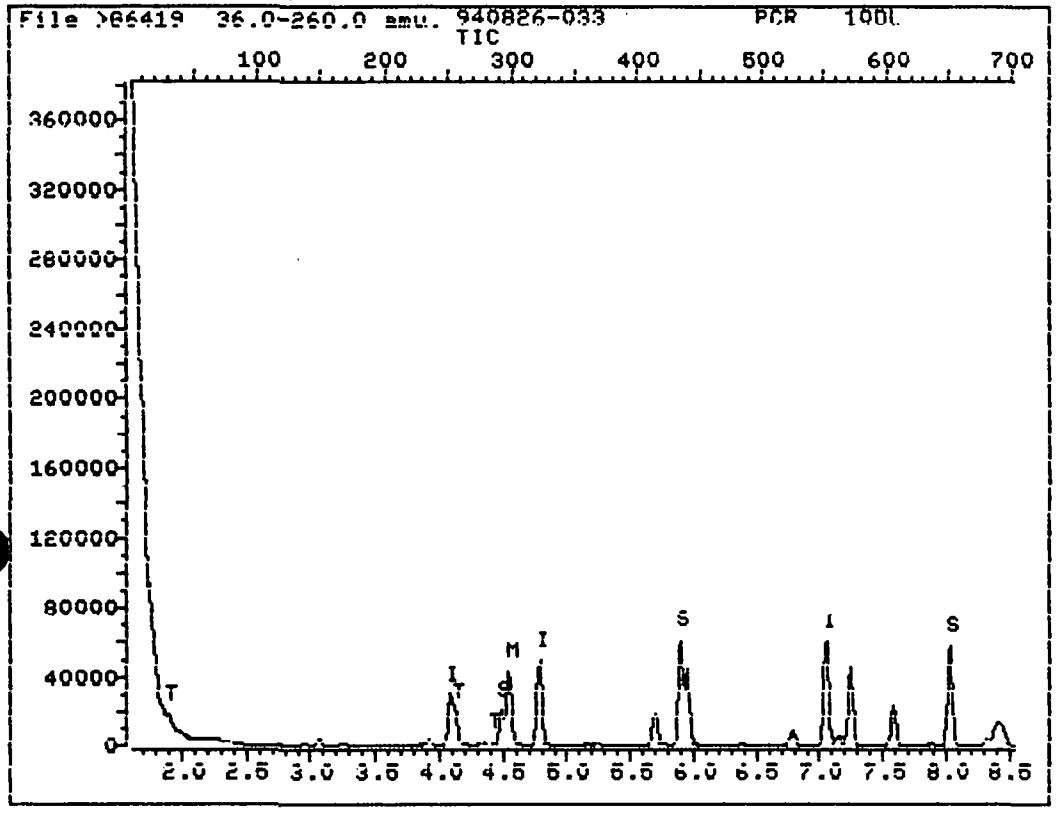
Quant Rev: 6 Quant Time: 940830 13:05
Injected at: 940828 06:38
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9532	50.00	ug/L	83
3)	Vinyl chloride	1.90	30	4372	321.26	ug/L	92
18)	Chloroform	4.13	256	19069	313.16	ug/L	93
20)	*1,4-DIFLUOROBENZENE	4.78	322	53371	50.00	ug/L	94
21)	Carbon tetrachloride	4.41	284	2350	63.61	ug/L	94
22)	1,2-DICHLOROETHANE-D4	4.49	292	19014	532.19	ug/L	88
24)	Benzene	4.54	298	45448	529.76	ug/L	100
31)	TOLUENE-D8	5.90	435	57333	555.03	ug/L	96
35)	*CHLOROBENZENE-D5	7.05	552	48408	50.00	ug/L	95
46)	4-BROMOFLUOROBENZENE	8.03	651	31496	487.67	ug/L	93

* Compound is ISTD

TOTAL ION CHROMATOGRAM

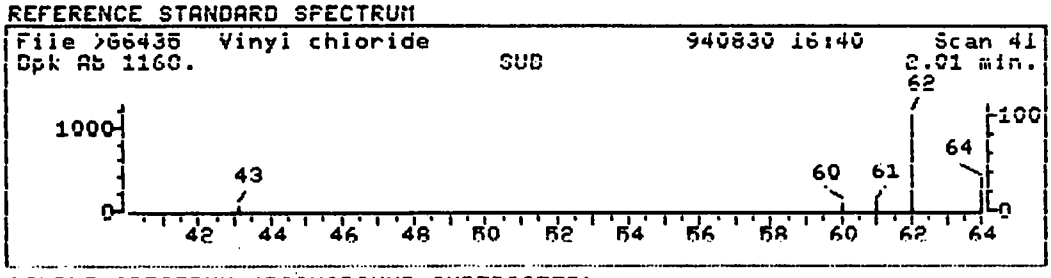


Data File: >G6419::A4 Quant Output File: ^G6419::SC
Name: 940826-033
Misc: PCR 10DL

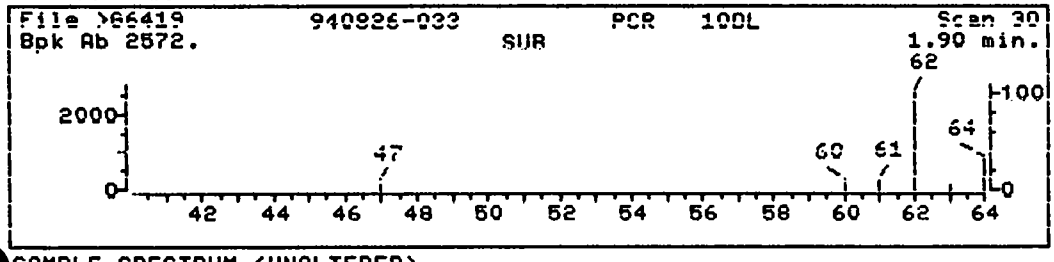
Id File: ID1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 13:05
Injected at: 940828 06:38

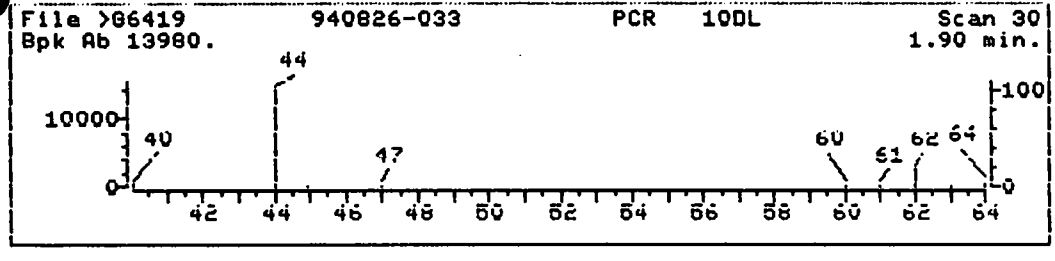
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



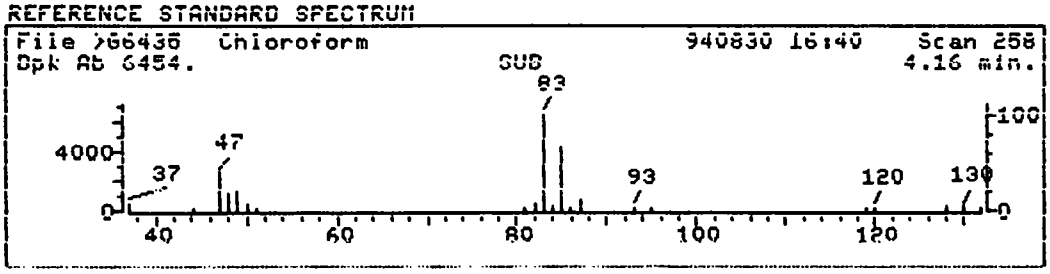
SAMPLE SPECTRUM (UNALTERED)



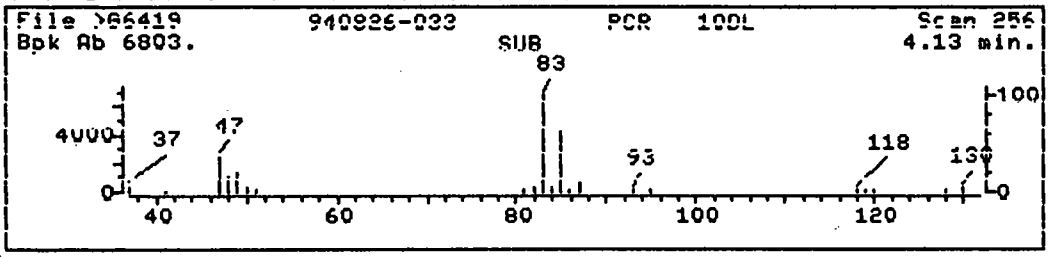
Data File: >G6419::A4
Quant Output File: ^G6419::SC
Name: 940826-033
Misc: PCR 10DL
Quant Time: 940830 13:05
Quant ID File: IDINW2::A3
Injected at: 940828 06:38
Last Calibration: 940828 01:25

Compound No: 3
Compound Name: Vinyl chloride
Scan Number: 30
Retention Time: 1.90 min.
Quant Ion: 62.0
Area: 4372
Concentration: 321.26 ug/L
q-value: 92

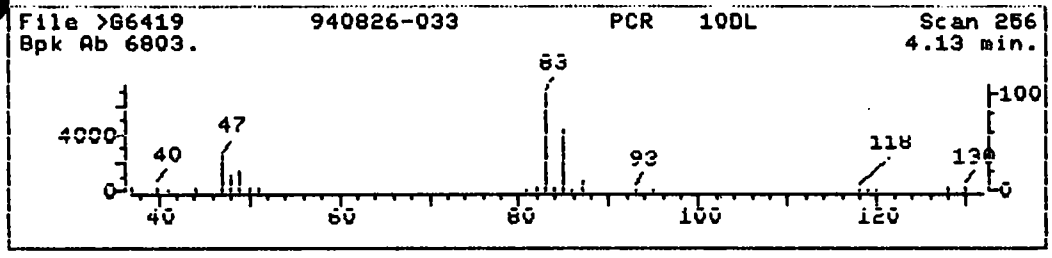
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

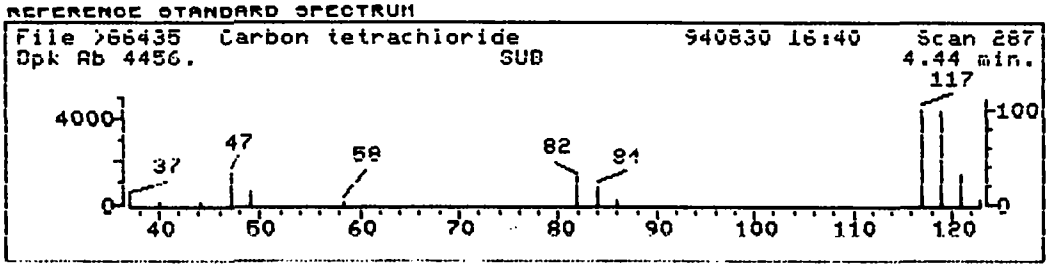


Data File: >G6419::A4
Name: 940826-033
Misc: PCR 10DL
Quant Time: 940830 13:05
Injected at: 940828 06:38

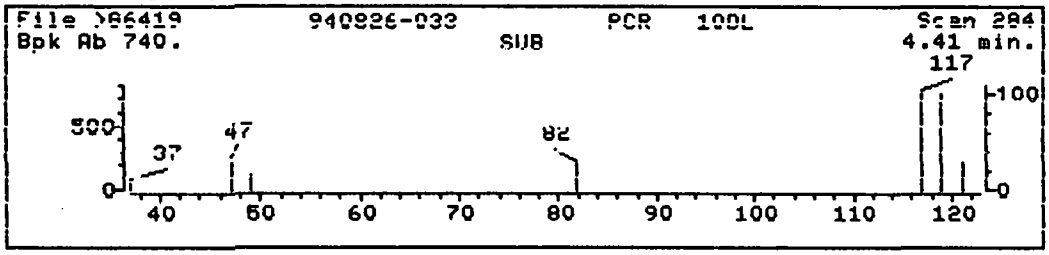
Quant Output File: ^G6419::SC
Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 18
Compound Name: Chloroform
Scan Number: 256
Retention Time: 4.13 min.
Quant Ion: 83.0
Area: 19069
Concentration: 313.16 ug/L
q-value: 93

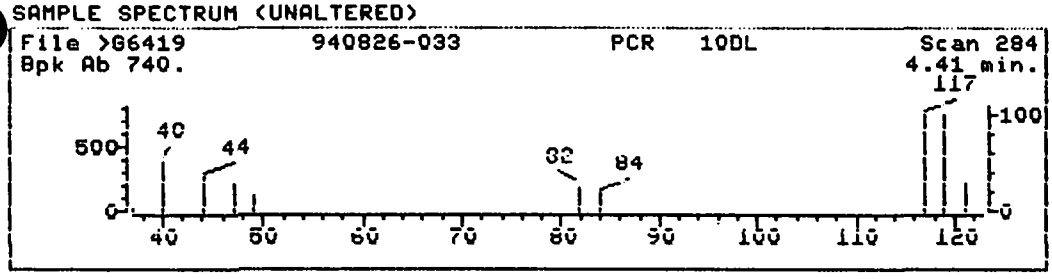
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



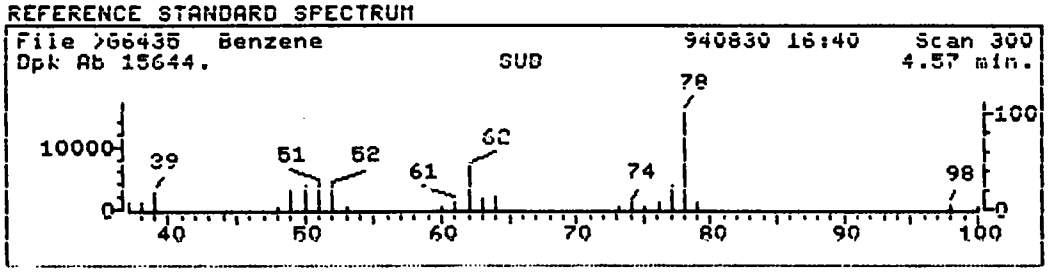
SAMPLE SPECTRUM (UNALTERED)



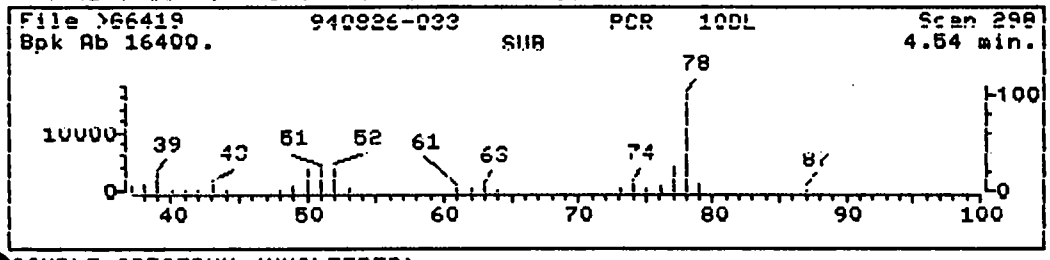
Data File: >G6419::A4 Quant Output File: ^G6419::SC
Name: 940826-033
Misc: PCR 10DL
Quant Time: 940830 13:05 Quant ID File: ID1NW2::A3
Injected at: 940828 06:38 Last Calibration: 940828 01:25

Compound No: 21
Compound Name: Carbon tetrachloride
Scan Number: 284
Retention Time: 4.41 min.
Quant Ion: 117.0
Area: 2350
Concentration: 63.61 ug/L
q-value: 94

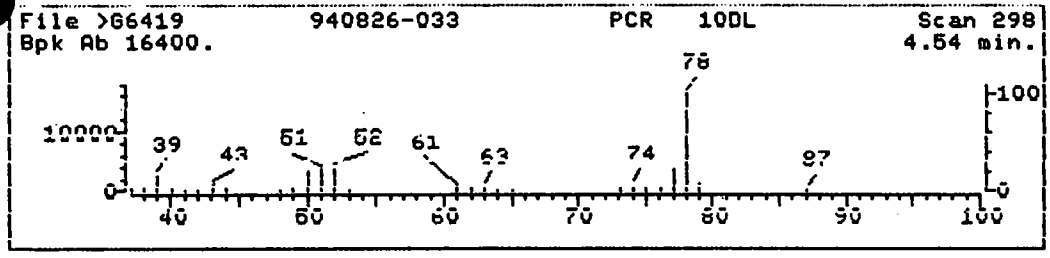
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6419::A4
Name: 940826-033
Misc: PCR 10DL
Quant Time: 940830 13:05
Injected at: 940828 06:38

Quant Output File: ^G6419::SC

Quant ID File: IDINW2::A3
Last Calibration: 940828 01:25

Compound No: 24
Compound Name: Benzene
Scan Number: 298
Retention Time: 4.54 min.
Quant Ion: 78.0
Area: 45448
Concentration: 529.76 ug/L
q-value: 100

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260034
CLIENT ID : SBA-05
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/10/94 METHOD: 8240
ANALYSIS TIME: 18:38 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		41.5	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene		39.8	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride	<	DL	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene	<	DL	1250	6.25
Toluene		135	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene		295	1250	6.25

0000474

QUANT REPORT

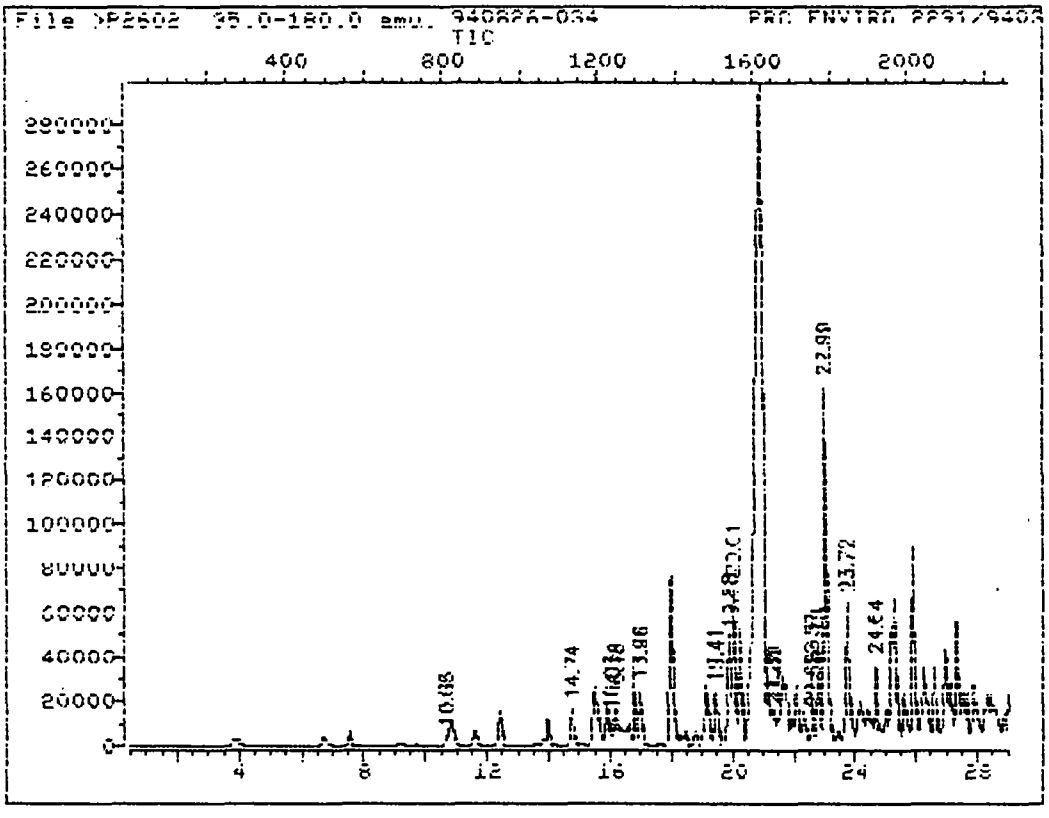
Operator ID: BOBBA Quant Rev: 6 Quant Time: 940910 19:07
Output File: ^P2602::D1 Injected at: 940910 18:38
Data File: >P2602::A5 Dilution Factor: 1250.000
Name: 940826-034
Misc: PRC ENVIRO 2291/9403016/1250DL/JS

ID File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.74	1132	11798	50.00	PPB	75
11)	Methylene chloride	10.66	809	3045	5841.38	PPB	82
20)	*1,4-DIFLUOROBENZENE	16.96	1308	56502	50.00	PPB	91
22)	1,2-DICHLOROETHANE-D4	16.03	1234	20792	58985.23	PPB	77
24)	Benzene	16.18	1246	40622	41507.73	PPB	100
30)	4-Methyl-2-pentanone	19.41	1502	42683	140700.1	PPB	44
31)	TOLUENE-D8	19.88	1539	51454	62691.47	PPB	93
32)	Toluene	20.01	1549	140149	135174.0	PPB	92
34)	1,1,2-Trichloroethane	21.25	1647	390	1478.68	PPB	80
35)	*CHLOROBENZENE-D5	22.57	1751	46050	50.00	PPB	93
36)	Tetrachloroethene	21.05	1631	514	1344.63	PPB	98
38)	2-Hexanone	21.30	1651	5876	30389.66	PPB	50
40)	Chlorobenzene	22.62	1755	927	1183.85	PPB	90
41)	Ethyl benzene	22.78	1768	14640	39832.68	PPB	98
42)	p,m-Xylene	22.99	1784	99536M209386.0		PPB	98
43)	o-Xylene	23.72	1842	41133	85704.48	PPB	94
46)	BROMOFLUOROBENZENE	24.64	1915	46016	68078.00	PPB	69

* Compound is ISTD

TOTAL ION CHROMATOGRAM

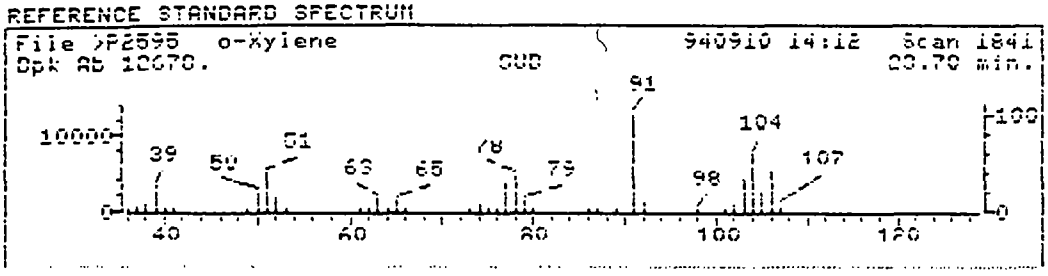


Data File: >P2602::A5 Quant Output File: ^P2602::D1
Name: 940826-034
Misc: PRC ENVIRO 2291/9403016/125UDL/JS

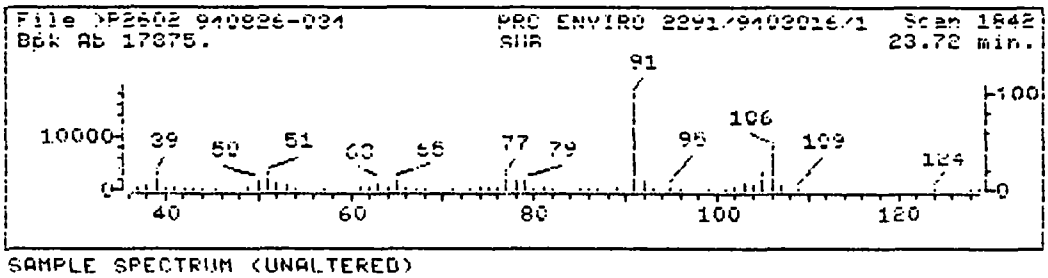
Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

Operator ID: BUBBA
Quant Time: 940910 19:07
Injected at: 940910 18:38

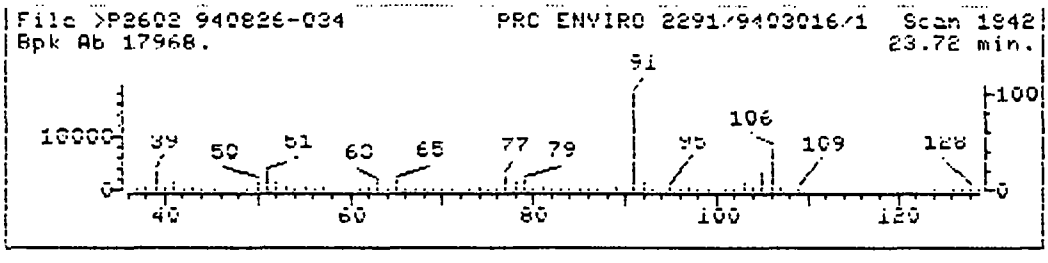
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



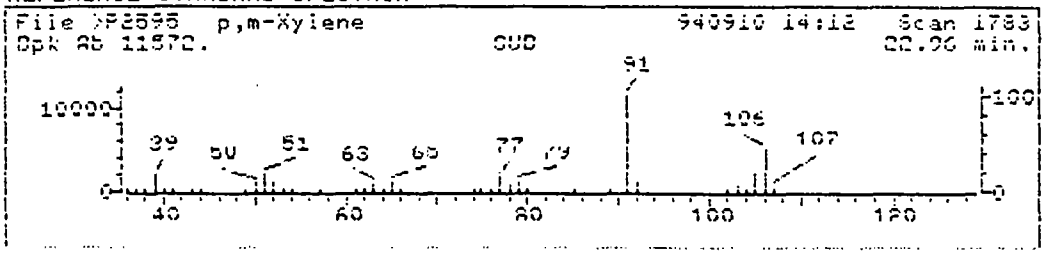
SAMPLE SPECTRUM (UNALTERED)



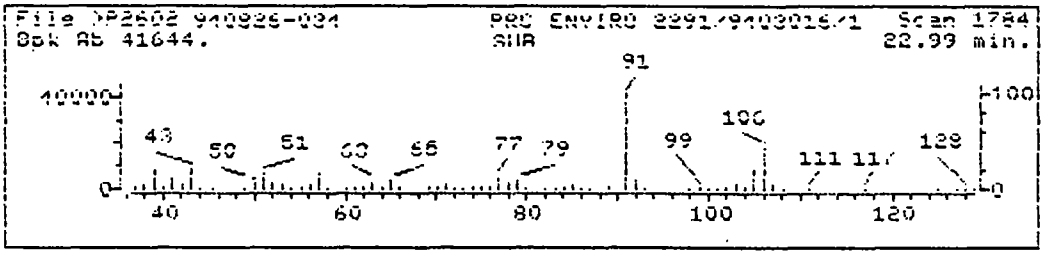
Data File: >P2602::A5 Quant Output File: ^P2602::D1
Name: 940826-034
Misc: PRC ENVIRO 2291/9403016/125UDL/JS
Quant Time: 940910 19:07 Quant ID File: IDCC01::A3
Injected at: 940910 18:38 Last Calibration: 940910 15:00

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1842
Retention Time: 23.72 min.
Quant Ion: 106.0
Area: 41133
Concentration: 8570.48 PPB
q-value: 94

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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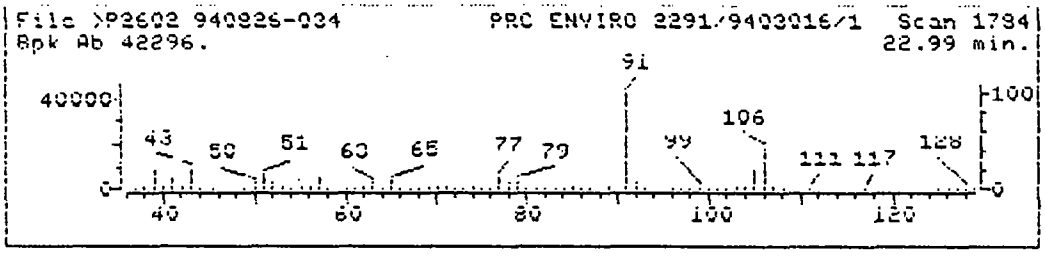
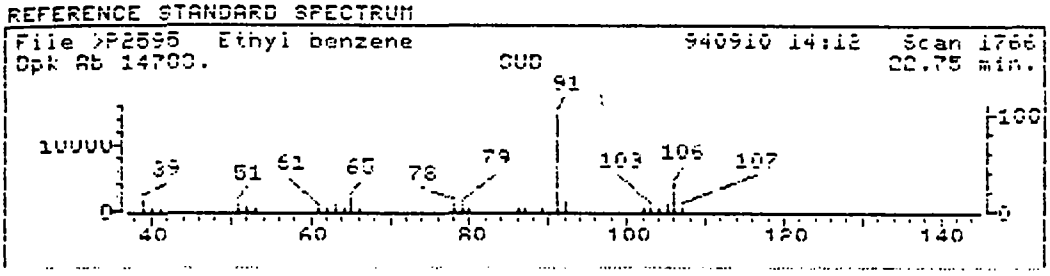


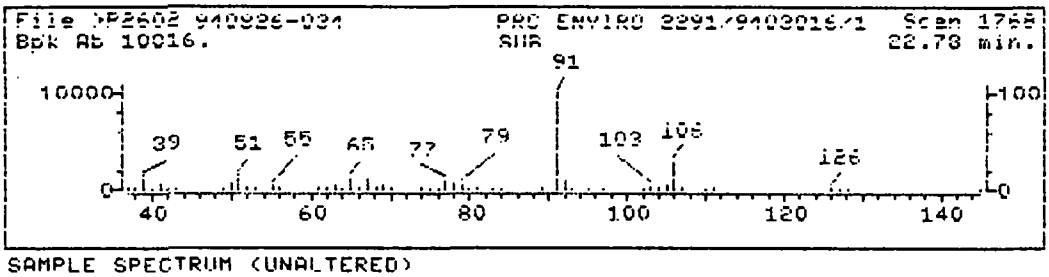
Data File: >P2602::A5 Quant Output File: ^P2602::D1
Name: 940826-034
Misc: PRC ENVIRO 2291/9403016/125UDL/JS
Quant Time: 940910 19:07 Quant ID File: IDCC01::A3
Injected at: 940910 18:38 Last Calibration: 940910 15:00

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1784
Retention Time: 22.99 min.
Quant Ion: 106.0
Area: 99536M
Concentration: 209386.0 PPB
q-value: 98

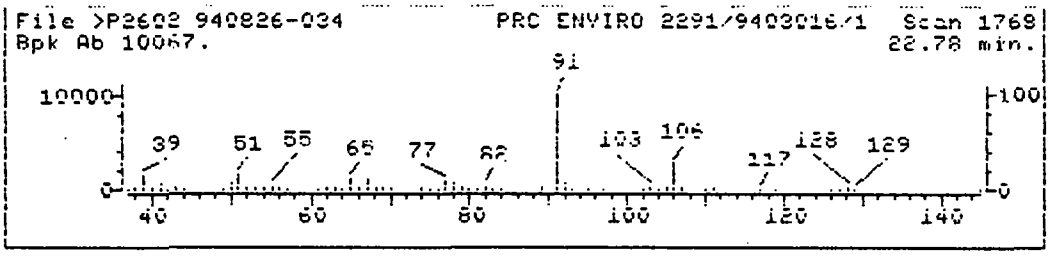
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



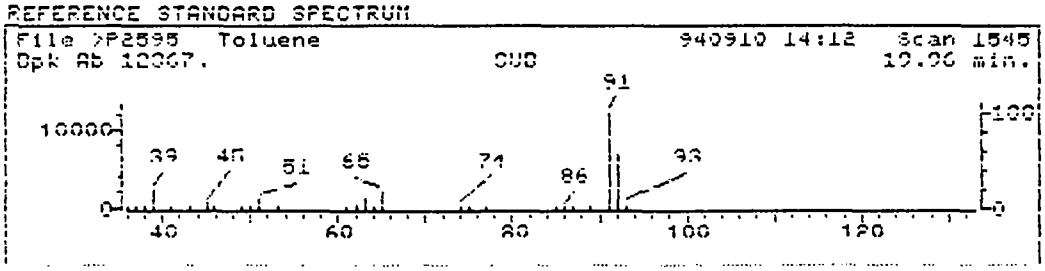
SAMPLE SPECTRUM (UNALTERED)



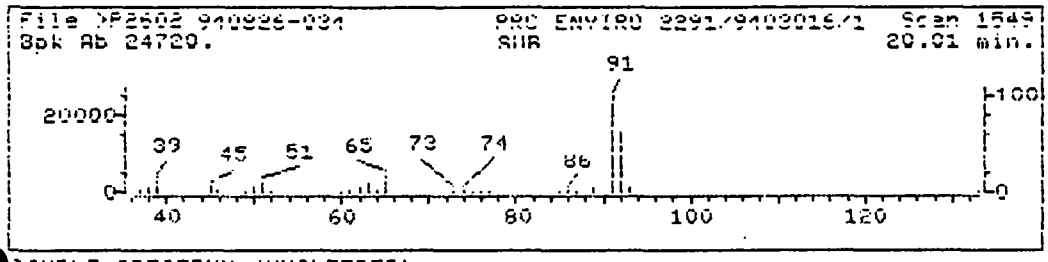
Data File: >P2602::A5 Quant Output File: ^P2602::D1
Name: 940826-034
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 19:07 Quant ID File: IDCCW1::A3
Injected at: 940910 18:38 Last Calibration: 940910 15:00

Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1768
Retention Time: 22.78 min.
Quant Ion: 106.0
Area: 14840
Concentration: 39832.68 PPB
q-value: 98

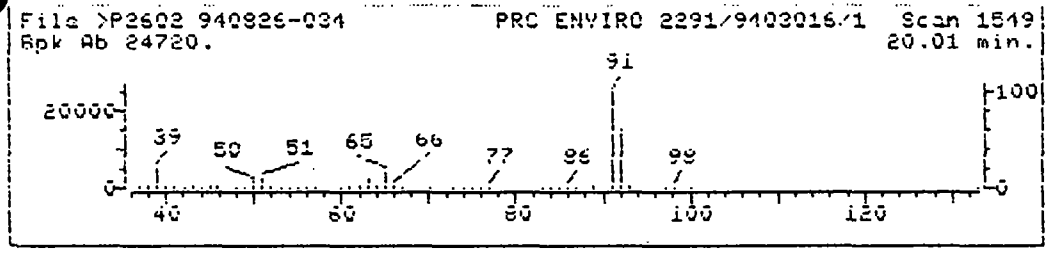
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



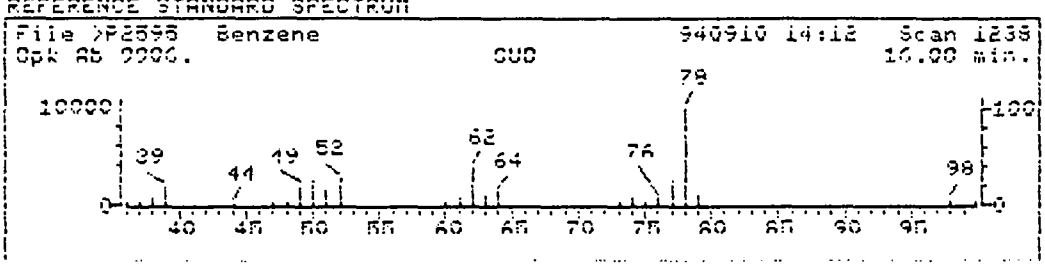
SAMPLE SPECTRUM (UNALTERED)



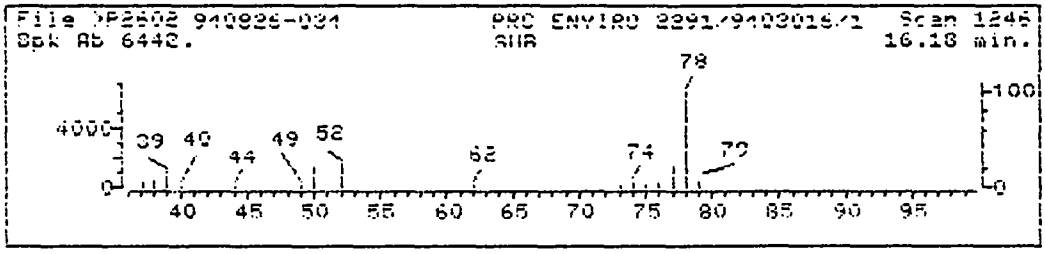
Data File: >P2602::A5 Quant Output File: ^P2602::D1
Name: 940826-034
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 19:07 Quant ID File: IDCCW1::A3
Injected at: 940910 18:38 Last Calibration: 940910 15:00

Compound No: 32
Compound Name: Toluene
Scan Number: 1549
Retention Time: 20.01 min.
Quant Ion: 91.0
Area: 140149
Concentration: 1351/4.0 PPB
q-value: 92

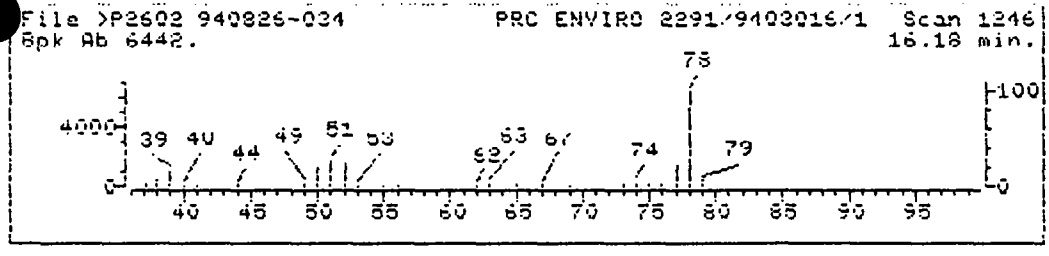
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2602::A5 Quant Output File: ^P2602::D1
Name: 940826-034
Misc: PRC ENVIRO 2291/9403016/125UDL/JS
Quant Time: 940910 19:07 Quant ID File: IDCOM1::A3
Injected at: 940910 18:38 Last Calibration: 940910 15:00

Compound No: 24
Compound Name: Benzene
Scan Number: 1246
Retention Time: 16.18 min.
Quant Ion: 78.0
Area: 40622
Concentration: 41507.73 PPB
q-value: 100

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260034
CLIENT ID : SBA-05
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 05:16
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.46	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000482

QUANT REPORT

Operator ID: JULES
Output File: ^G6415::SC
Data File: >G6415::A4
Name: 940826-034
Misc: PCR 10DL

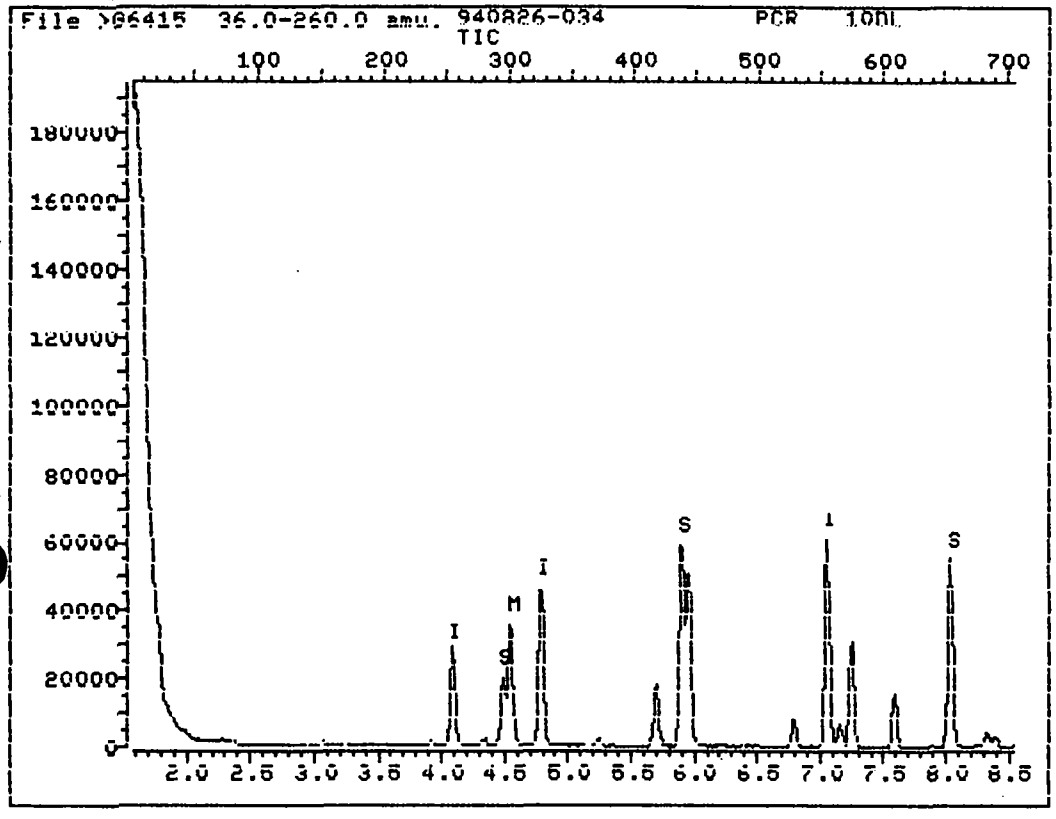
Quant Rev: 6 Quant Time: 940830 12:09
Injected at: 940828 05:16
Dilution Factor: 10.00000

ID File: 1DINW2::A3
Title: VOA 1DFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	254	9498	50.00	ug/L	75
20)	*1,4-DIFLUOROBENZENE	4.78	325	52248	50.00	ug/L	93
22)	1,2-DICHLOROETHANE-D4	4.48	295	18942	541.57	ug/L	88
24)	Benzene	4.54	301	38642	460.11	ug/L	100
31)	TOLUENE-D8	5.90	438	55930	553.08	ug/L	94
35)	*CHLOROBENZENE-D5	7.05	555	47484	50.00	ug/L	95
46)	4-BROMOFLUOROBENZENE	8.04	655	31325	494.46	ug/L	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM

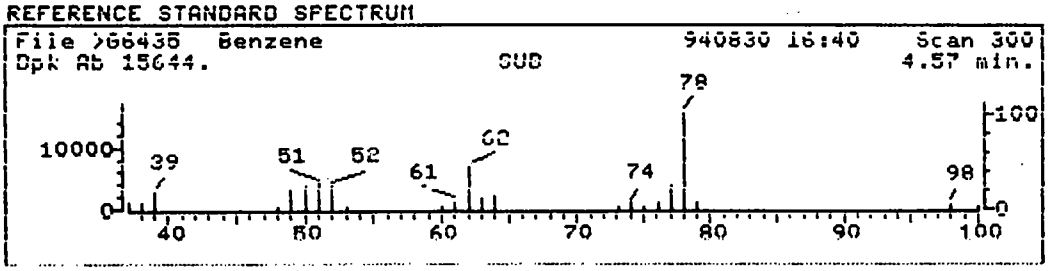


Data File: >G6415::A4 Quant Output File: ^G6415::SC
Name: 940826-034
Misc: PCR 10DL

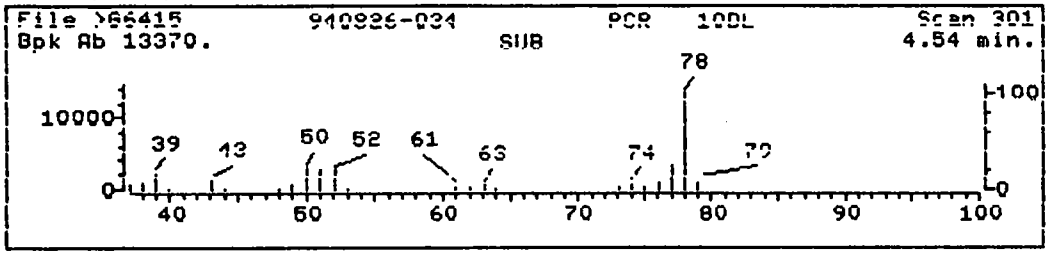
Id File: 1D1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 12:09
Injected at: 940828 05:16

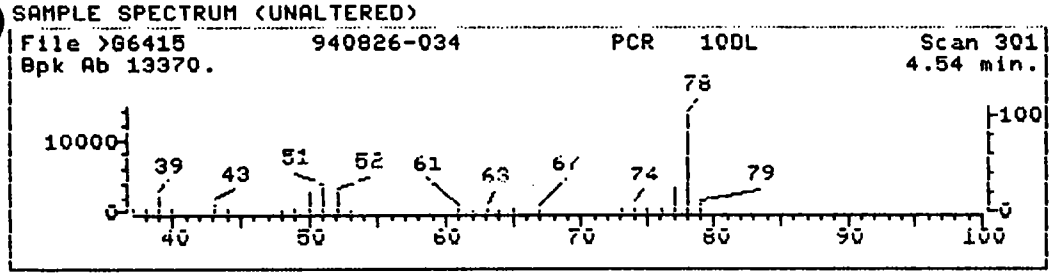
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6415::A4
Name: 940826-034
Misc: PCR 10DL
Quant Time: 940830 12:09
Injected at: 940828 05:16

Quant Output File: ^G6415::SC
Quant ID File: IDINW2::A3
Last Calibration: 940828 01:25

Compound No: 24
Compound Name: Benzene
Scan Number: 301
Retention Time: 4.54 min.
Quant Ion: 78.0
Area: 38642
Concentration: 460.11 ug/L
q-value: 100

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260037
CLIENT ID : SBA-06
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:10

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/10/94 METHOD: 8240
ANALYSIS TIME: 19:13 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		23.7	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride		28.1	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene		12.0	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride	<	DL	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene		23.8	1250	6.25
Toluene		49.2	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene		273	1250	6.25

0000486

QUANT REPORT

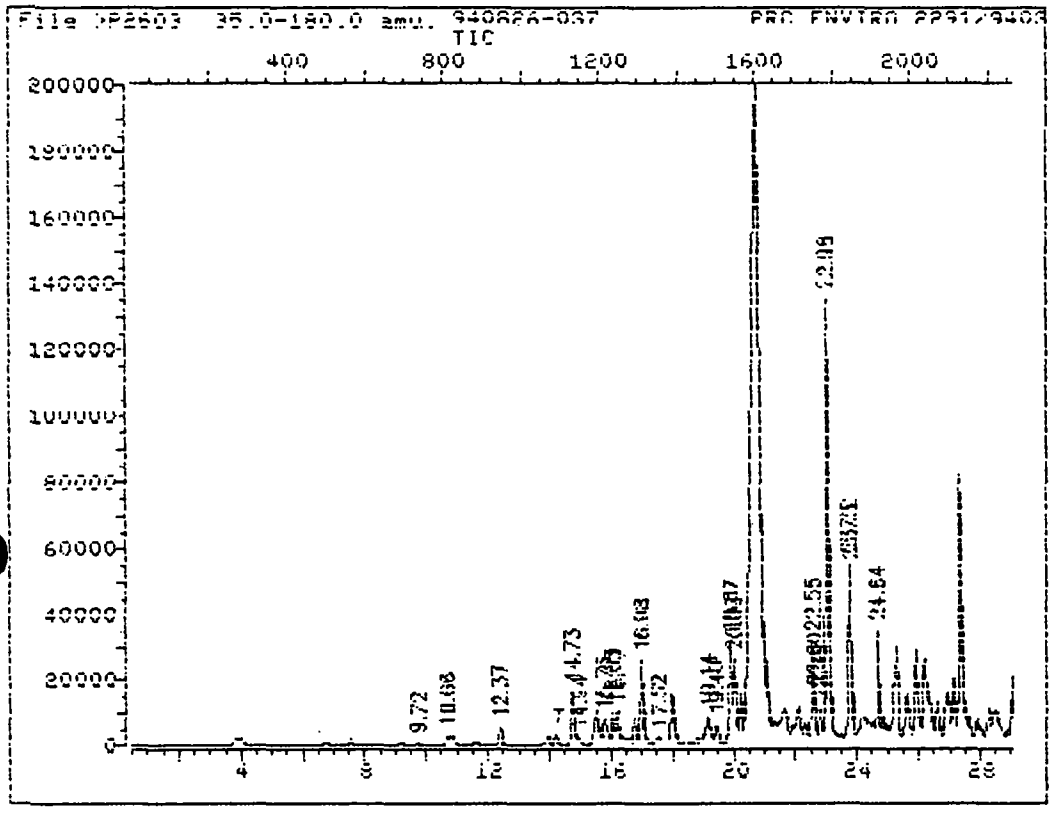
Operator ID: BUEBA ; Quant Rev: 6 Quant Time: 940910 19:42
Output File: ^P2603::D1 Injected at: 940910 19:13
Data File: >P2603::A5 Dilution Factor: 1250.000
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/05

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.73	1131	12248	50.00	PPB	79
9)	Carbon disulfide	9.72	734	3404	3316.43	PPB	99
11)	Methylene chloride	10.66	809	2835	5238.72	PPB	81
15)	Vinyl acetate	12.37	944	7335	14372.12	PPB	88
16)	cis-1,2-Dichloroethylene	14.17	1087	7462	4860.88	PPB	87
18)	Chloroform	14.94	1148	2902	3890.55	PPB	93
20)	*1,4-DIFLUOROBENZENE	16.98	1309	56407	50.00	PPB	85
21)	Carbon tetrachloride	15.75	1212	13236	28106.16	PPB	96
22)	1,2-DICHLOROETHANE-D4	16.03	1234	20926	59465.35	PPB	77
24)	Benzene	16.17	1245	23199	23744.75	PPB	100
25)	Trichloroethene	17.52	1352	1258	3342.22	PPB	96
28)	2-Choloroethyl vinyl ether	19.14	1480	134	759.83	PPB	78
30)	4-Methyl-2-pentanone	19.40	1501	9472	31276.05	PPB	45
31)	TOLUENE-D8	19.87	1538	51004	62247.85	PPB	93
32)	Toluene	20.00	1548	50897	49172.95	PPB	95
35)	*CHLOROBENZENE-D5	22.55	1750	45718	50.00	PPB	96
36)	Tetrachloroethene	21.05	1631	9029	23791.50	PPB	96
40)	Chlorobenzene	22.60	1754	925	1189.87	PPB	93
41)	Ethyl benzene	22.78	1768	4423	11958.18	PPB	99
42)	p,m-Xylene	22.98	1784	94235M	196674.2	PPB	97
43)	o-Xylene	23.72	1842	34710	72846.75	PPB	94
44)	Styrene	23.73	1843	11077	14388.21	PPB	46
46)	BROMOFLUOROBENZENE	24.64	1915	41753	62219.72	PPB	68

* Compound is ISTD

TOTAL ION CHROMATOGRAM



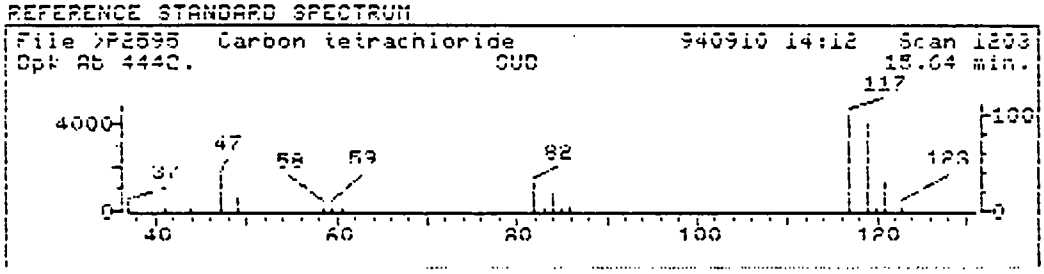
Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/JS

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

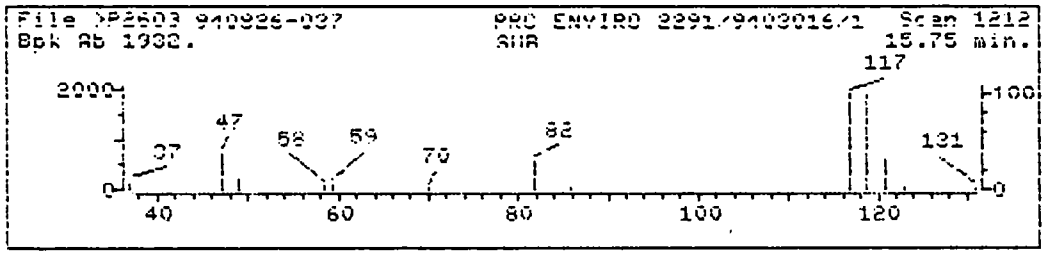
Operator ID: BUBBA
Quant Time: 940910 19:42
Injected at: 940910 19:13

REFERENCE
File >P26
OPL AB O

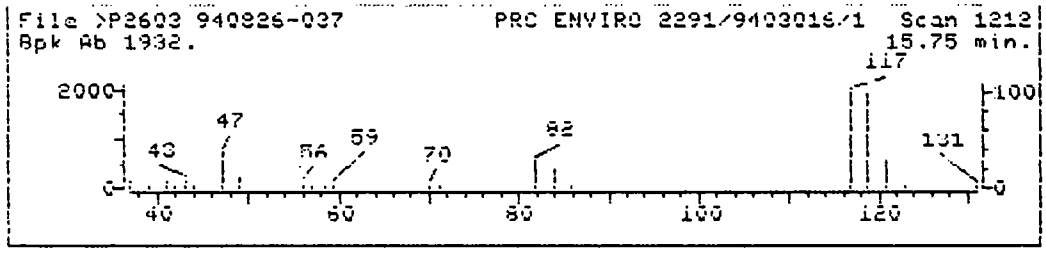
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



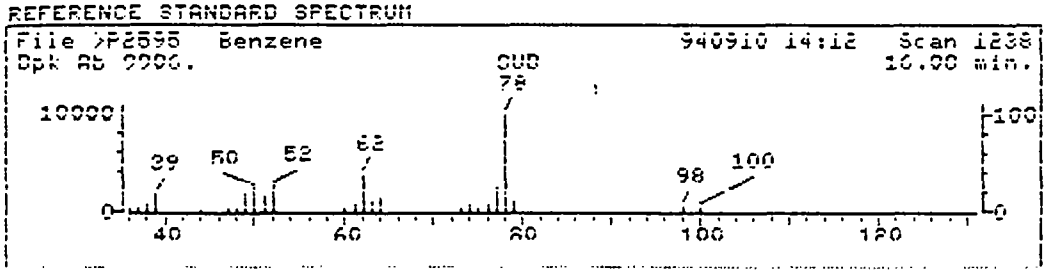
SAMPLE SPECTRUM (UNALTERED)



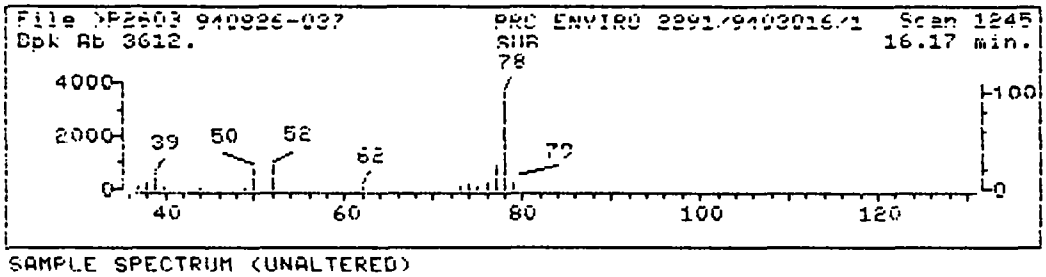
Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940910 19:42 Quant ID File: IDCCM1::A3
Injected at: 940910 19:13 Last Calibration: 940910 15:00

Compound No: 21
Compound Name: Carbon tetrachloride
Scan Number: 1212
Retention Time: 15.75 min.
Quant Ion: 117.0
Area: 13236
Concentration: 28106.16 PPB
q-value: 96

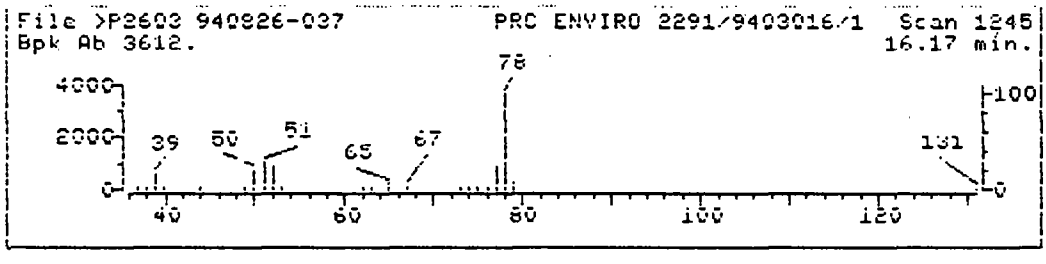
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



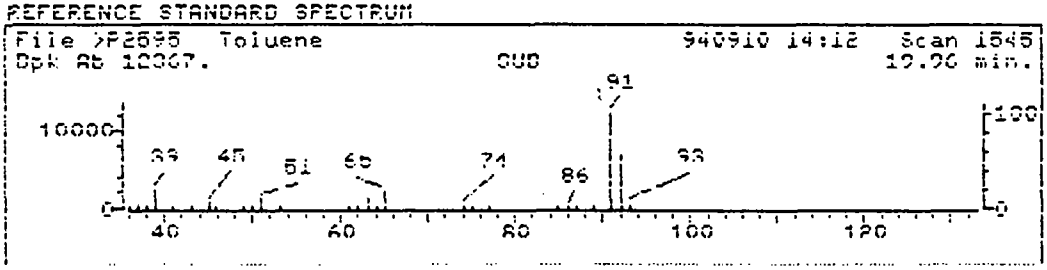
SAMPLE SPECTRUM (UNALTERED)



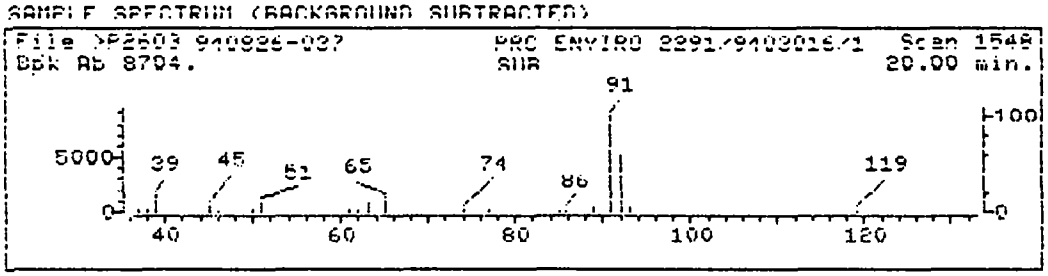
Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/125UDL/JS
Quant Time: 940910 19:42 Quant ID File: IDCOM1::A3
Injected at: 940910 19:13 Last Calibration: 940910 15:00

Compound No: 24
Compound Name: Benzene
Scan Number: 1245
Retention Time: 16.17 min.
Quant Ion: 78.0
Area: 23199
Concentration: 2374.75 PPB
q-value: 100

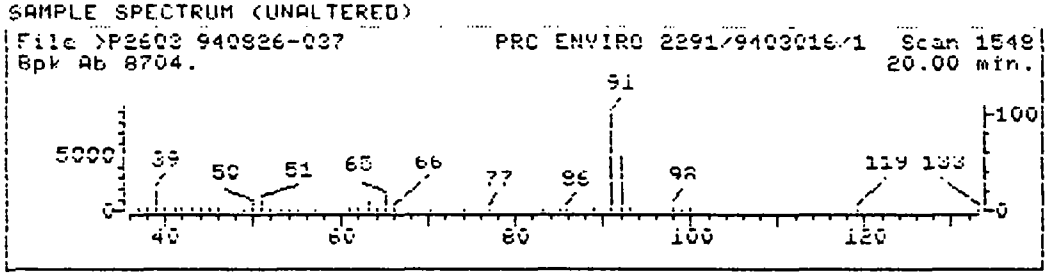
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



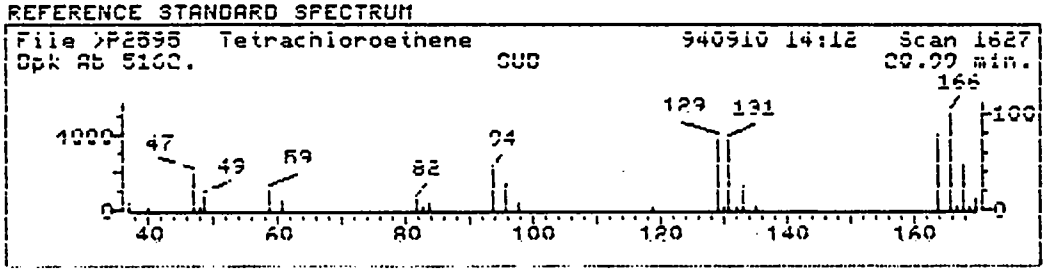
SAMPLE SPECTRUM (UNALTERED)



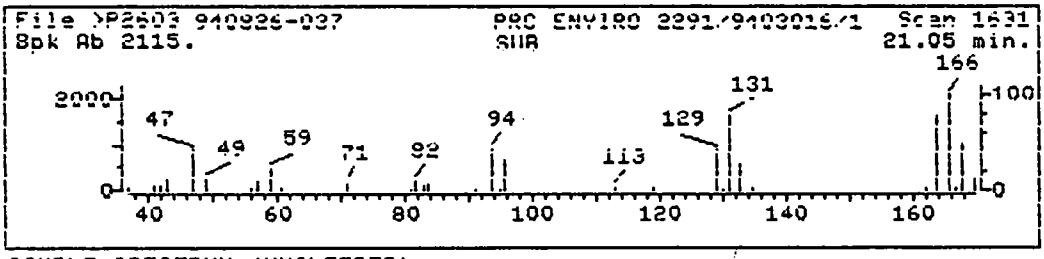
Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 19:42 Quant ID File: IDCCW1::A3
Injected at: 940910 19:13 Last Calibration: 940910 15:00

Compound No: 32
Compound Name: Toluene
Scan Number: 1548
Retention Time: 20.00 min.
Quant Ion: 91.0
Area: 5089?
Concentration: 491?2.95 PPB
q-value: 95

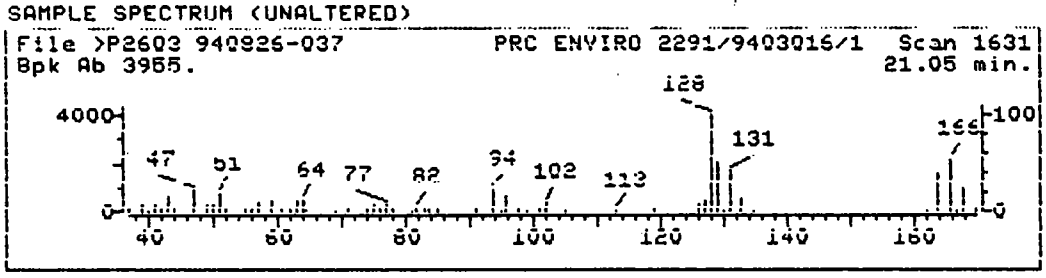
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



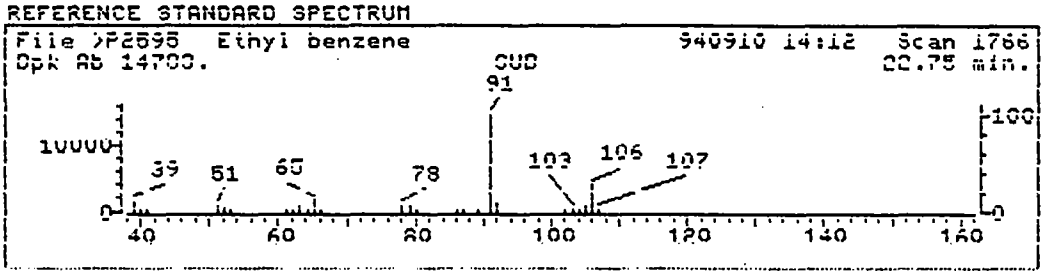
SAMPLE SPECTRUM (UNALTERED)



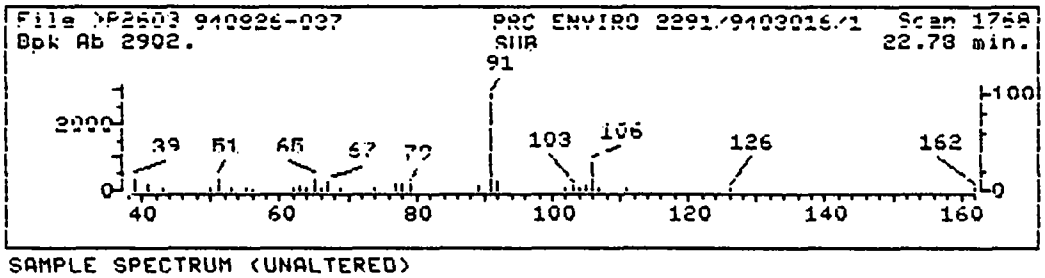
Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 19:42 Quant ID File: IDCCW1::A3
Injected at: 940910 19:13 Last Calibration: 940910 15:00

Compound No: 36
Compound Name: Tetrachloroethene
Scan Number: 1631
Retention Time: 21.05 min.
Quant Ion: 164.0
Area: 9029
Concentration: 23791.50 PPB
q-value: 96

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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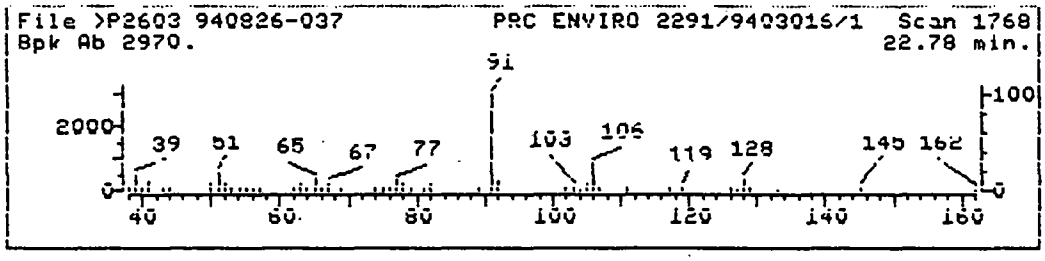
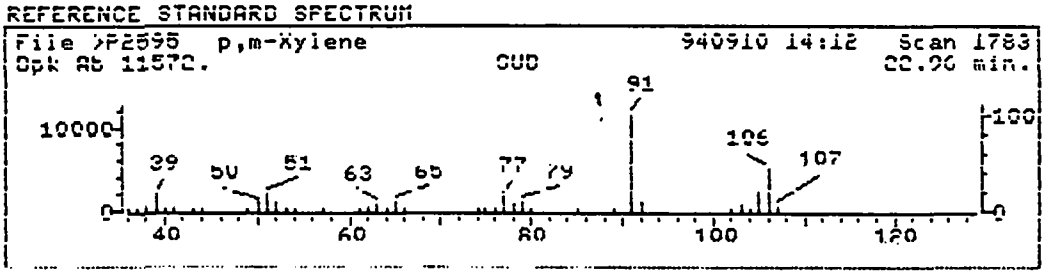


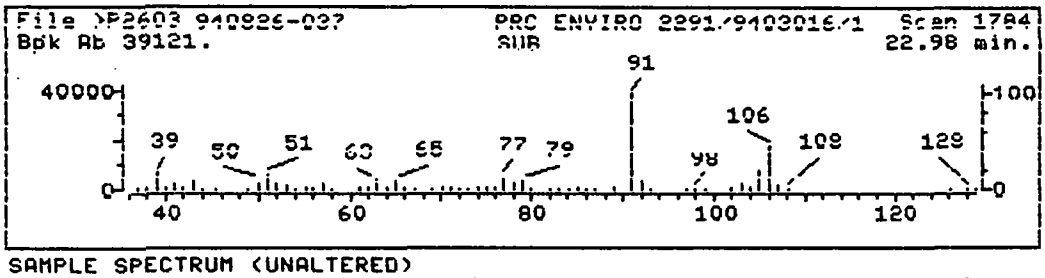
Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 19:42 Quant ID File: IDCCW1::A3
Injected at: 940910 19:13 Last Calibration: 940910 15:00

Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1768
Retention Time: 22.78 min.
Quant Ion: 106.0
Area: 4423
Concentration: 11958.18 PPB
q-value: 99

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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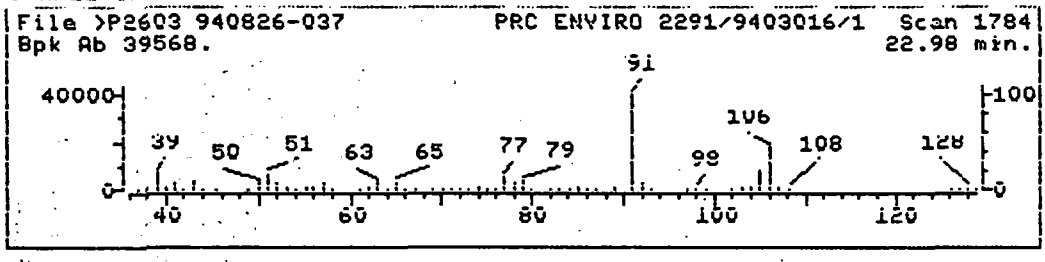
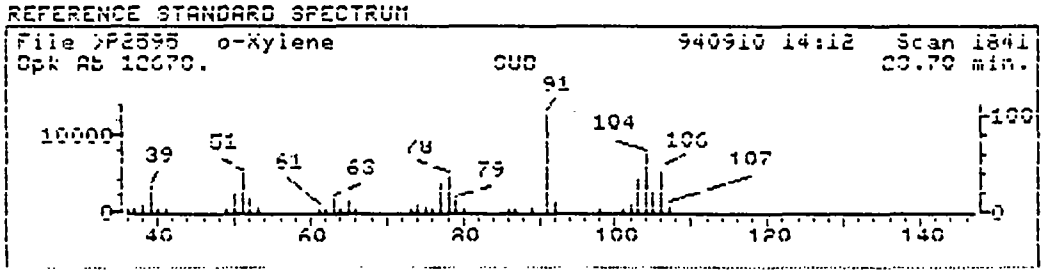


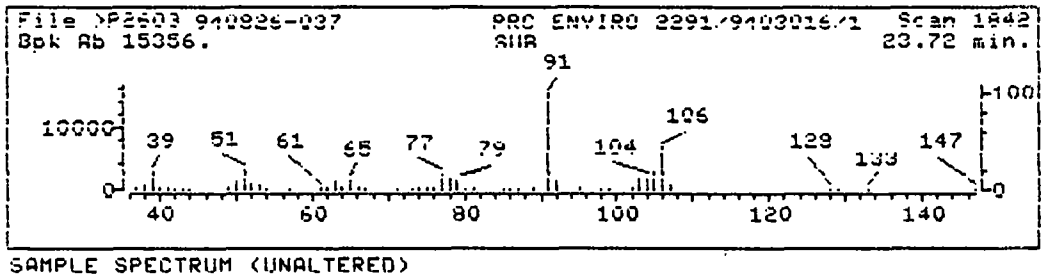
Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 19:42 Quant ID File: IDCCW1::A3
Injected at: 940910 19:13 Last Calibration: 940910 15:00

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1784
Retention Time: 22.98 min.
Quant Ion: 106.0
Area: 94235M
Concentration: 199674.2 PPB
q-value: 97

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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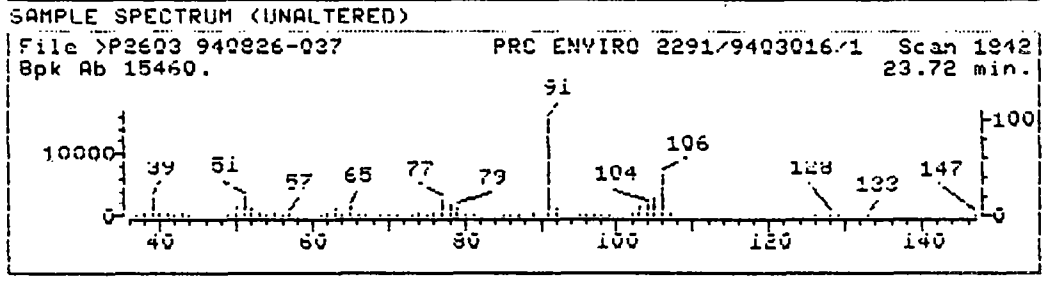


Data File: >P2603::A5 Quant Output File: ^P2603::D1
Name: 940826-037
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant Time: 940910 19:42 Quant ID File: IDCOM1::A3
Injected at: 940910 19:13 Last Calibration: 940910 15:00

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1842
Retention Time: 23.72 min.
Quant Ion: 106.0
Area: 34710
Concentration: 72846.75 PPB
q-value: 94

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260037
CLIENT ID : SBA-06
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:10

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 06:58
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.39	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

QUANT REPORT

Operator ID: JULES
Output File: ^G6420::SC
Data File: >G6420::A4
Name: 940826-037
Misc: PCR 10DL

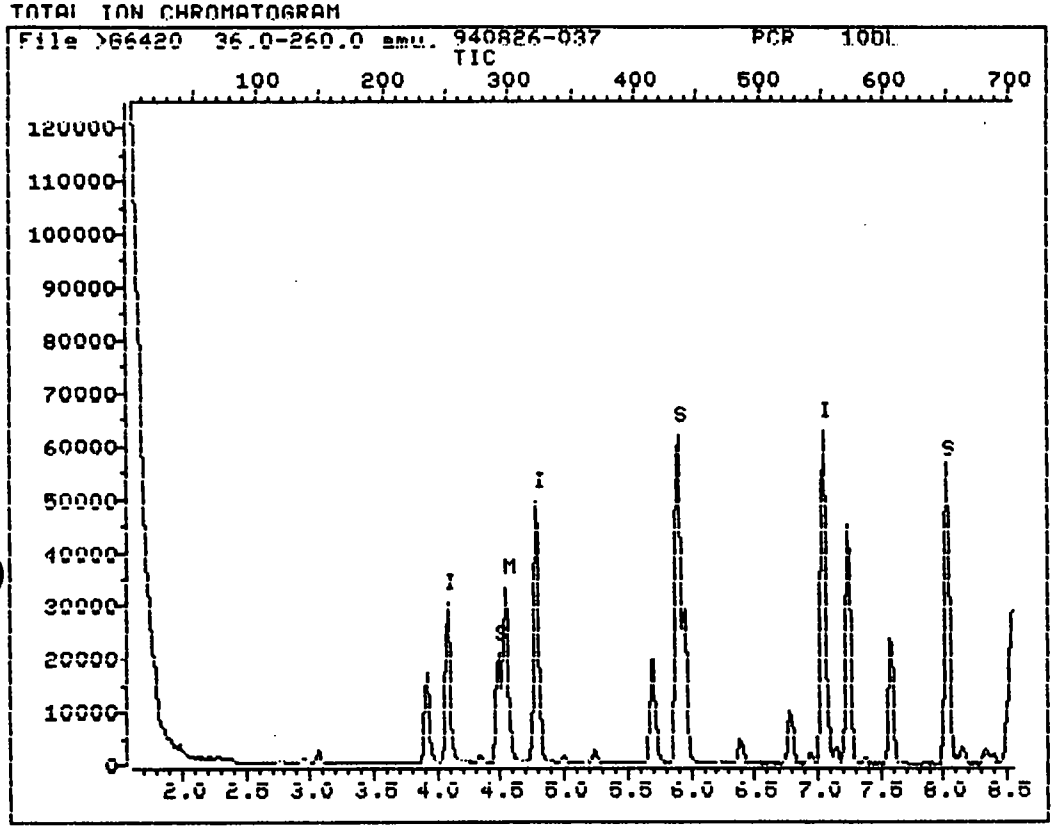
Quant Rev: 6 Quant Time: 940830 13:08
Injected at: 940828 06:58
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9735	50.00	ug/L	80
20)	*1,4-DIFLUOROBENZENE	4.78	322	54362	50.00	ug/L	94
22)	1,2-DICHLOROETHANE-D4	4.49	292	18948	520.67	ug/L	88
24)	Benzene	4.55	298	34478	394.57	ug/L	100
31)	TOLUENE-D8	5.90	435	58044	551.67	ug/L	96
35)	*CHLOROBENZENE-D5	7.04	551	48511	50.00	ug/L	96
46)	4-BROMOFLUOROBENZENE	8.02	650	31599	488.23	ug/L	99

* Compound is ISTD

TOTAL ION CHROMATOGRAM

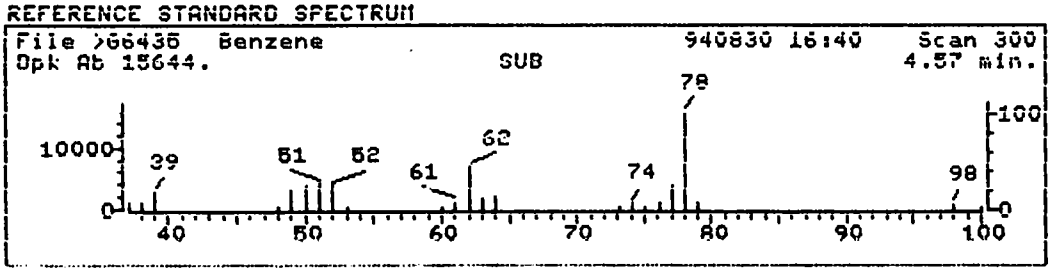


Data File: >G6420::A4 Quant Output File: ^G6420::SC
Name: 940826-037
Misc: PCR 10DL

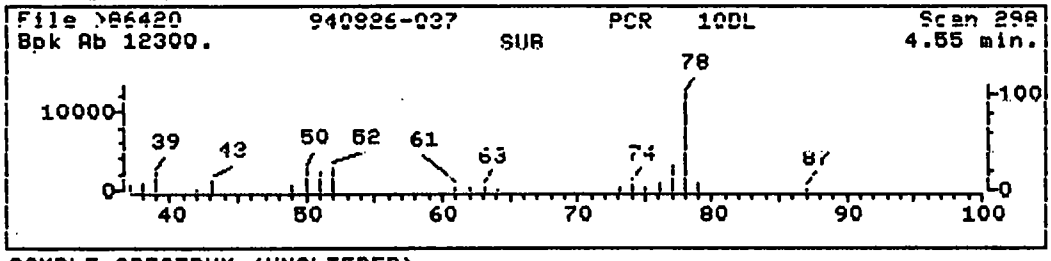
Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 13:08
Injected at: 940828 06:58

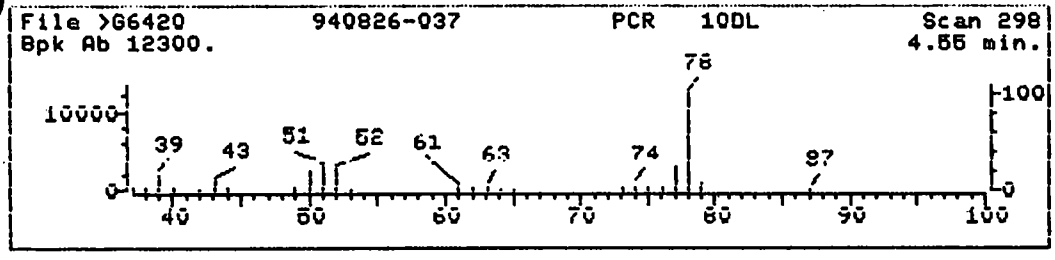
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6420::A4
Name: 940826-037
Misc: PCR 10DL
Quant Time: 940830 13:08
Injected at: 940828 06:58

Quant Output File: ^G6420::SC

Quant ID File: IDINW2::A3
Last Calibration: 940828 01:25

Compound No: 24
Compound Name: Benzene
Scan Number: 298
Retention Time: 4.55 min.
Quant Ion: 78.0
Area: 34478
Concentration: 394.57 ug/L
q-value: 100

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260038
CLIENT ID : SBA-07
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:15

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/12/94 METHOD: 8240
ANALYSIS TIME: 10:18 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		23.7	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene		12.3	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride	<	DL	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene		26.1	1250	6.25
Toluene		46.7	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane		15.1	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene		296	1250	6.25

0000500

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940912 10:48
Output File: ^PZ648::D1 Injected at: 940912 10:18
Data File: >PZ648::D1 Dilution Factor: 1250.000
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940912 10:00

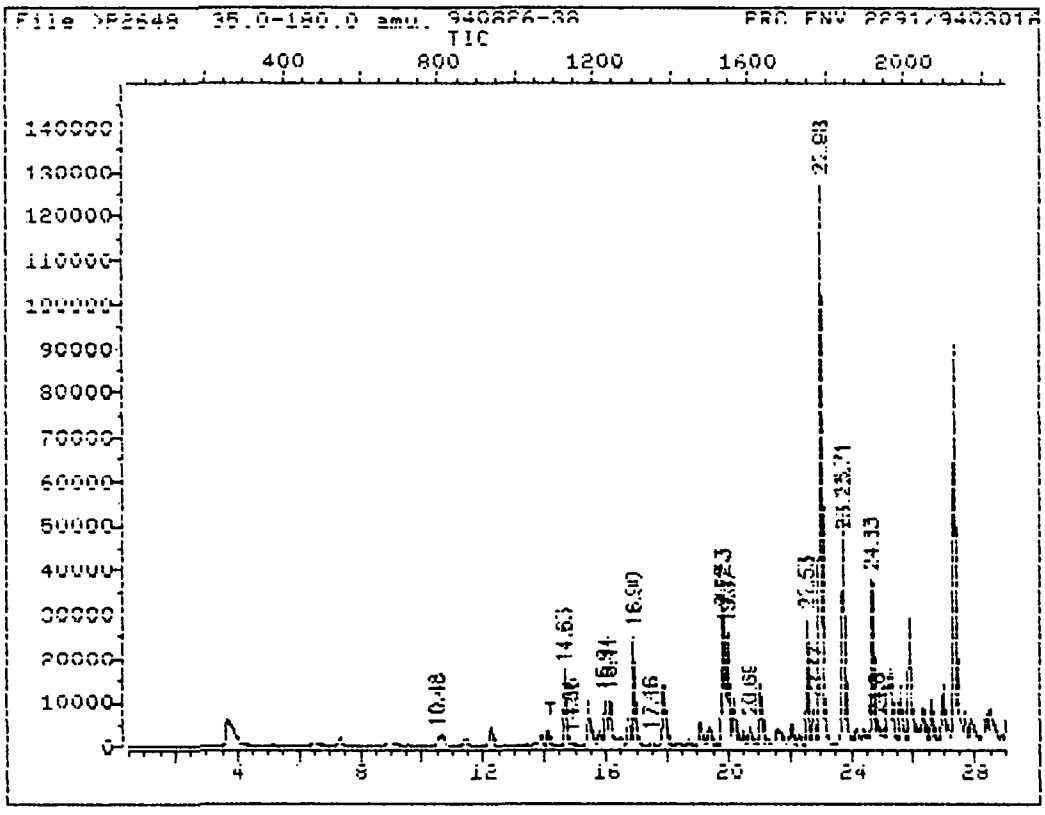
6250

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.63	1123	13128	50.00	PPB	77
11)	Methylene chloride	10.48	794	2416	~~3881.56~~	PPB	85
16)	cis-1,2-Dichloroethylene	14.09	1080	8509	~~3525.35~~	PPB	86
18)	Chloroform	14.86	1141	207	271.87	PPB	97
20)	*1,4-DIFLUOROBENZENE	16.90	1303	58420	50.00	PPB	91
22)	1,2-DICHLOROETHANE-D4	15.94	1227	21766	~~56999.27~~	PPB	82
24)	Benzene	16.11	1240	24058	23682.82	PPB	100
25)	Trichloroethene	17.46	1347	1181	~~3042.67~~	PPB	98
30)	4-Methyl-2-pentanone	19.82	1534	1710	~~5457.11~~	PPB	84
31)	TOLUENE-D8	19.83	1535	51361	56305.43	PPB	96
32)	Toluene	19.97	1546	49713	46731.04	PPB	90
34)	1,1,2-Trichloroethane	20.69	1603	4121	15065.11	PPB	77
35)	*CHLOROBENZENE-D5	22.53	1749	44283	50.00	PPB	95
36)	Tetrachloroethene	21.02	1629	8734	26103.77	PPB	96
41)	Ethyl benzene	22.77	1768	4179	12308.34	PPB	97
42)	p,m-Xylene	22.98	1784	92821	M14933.0	PPB	98
43)	o-Xylene	23.71	1842	35292	80106.27	PPB	95
44)	Styrene	23.73	1844	11673	16113.51	PPB	55
46)	BROMOFLUOROBENZENE	24.63	1915	45941	65872.42	PPB	74
47)	1,1,2,2-Tetrachloroethane	24.81	1929	468	954.31	PPB	91

* Compound is ISTD

0000501

TOTAL ION CHROMATOGRAM



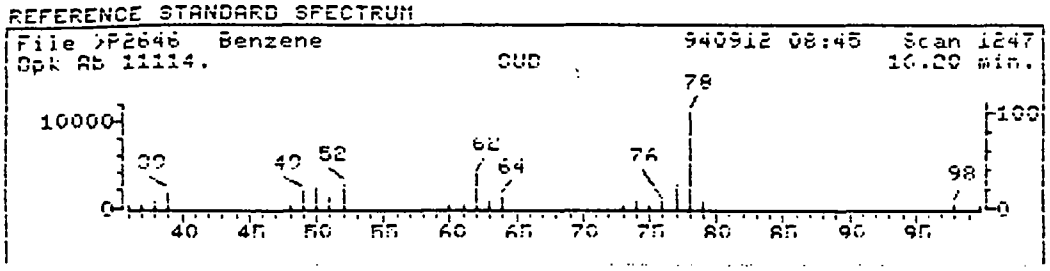
Data File: >P2648::D1 Quant Output File: ^P2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS

Id File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940912 10:00

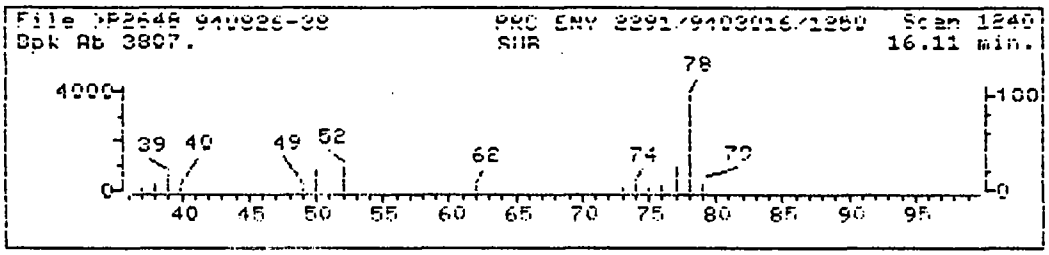
Operator ID: BUBBA
Quant Time: 940912 10:48
Injected at: 940912 10:18

REFERENCE ST
File >P2648

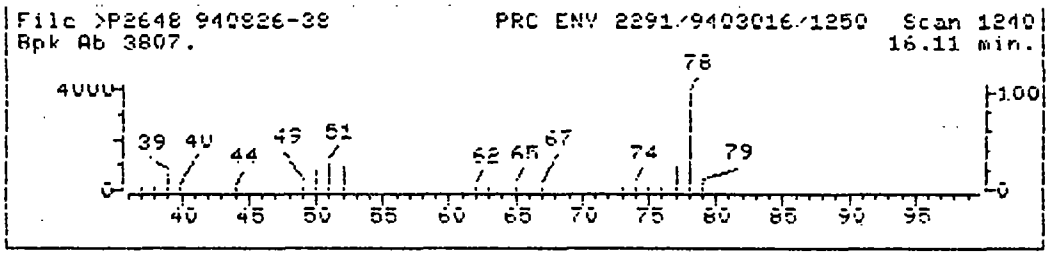
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



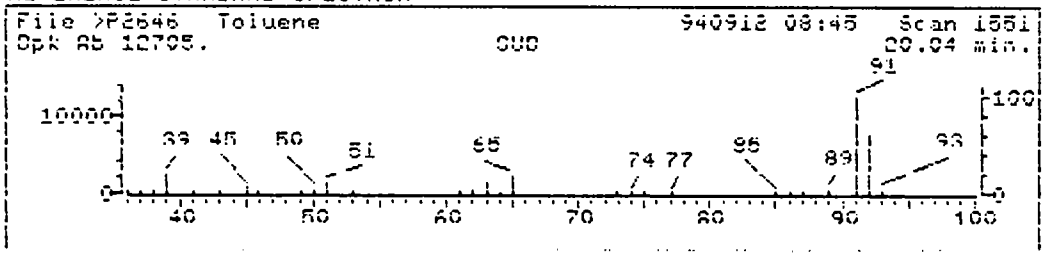
SAMPLE SPECTRUM (UNALTERED)



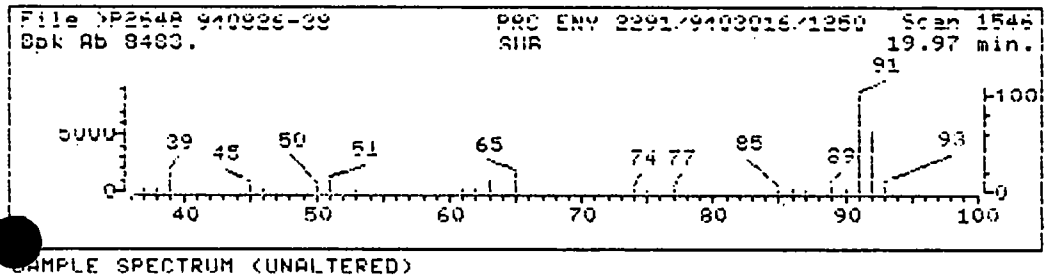
Data File: >P2648::D1 Quant Output File: ^P2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS
Quant Time: 940912 10:48 Quant ID File: IDCOM1::R3
Injected at: 940912 10:18 Last Calibration: 940912 10:00

Compound No: 24
Compound Name: Benzene
Scan Number: 1240
Retention Time: 16.11 min.
Quant Ion: 78.0
Area: 24058
Concentration: 23682.82 PPB
q-value: 100

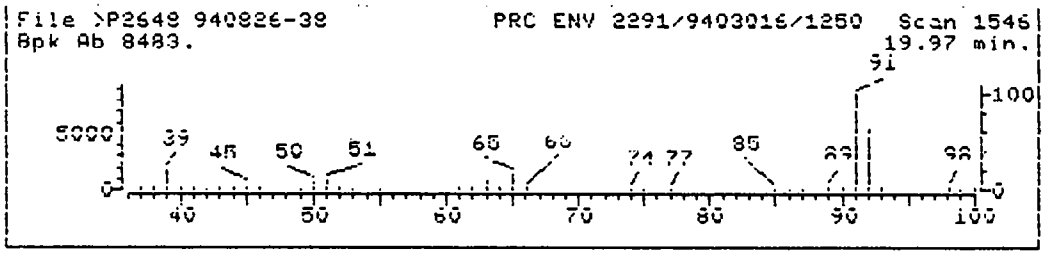
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

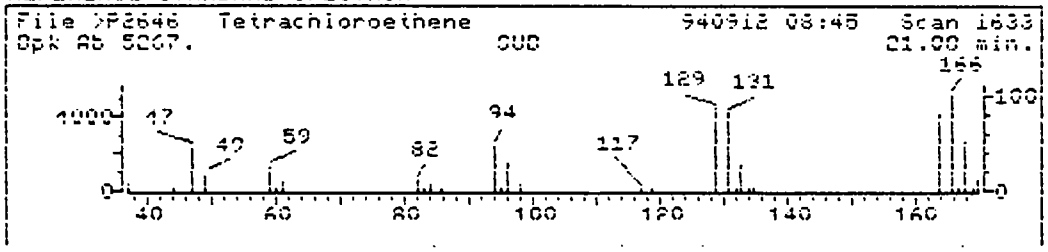


Data File: >P2648::D1 Quant Output File: ^P2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS
Quant Time: 940912 10:48 Quant ID File: IDCOM1::A3
Injected at: 940912 10:18 Last Calibration: 940912 10:00

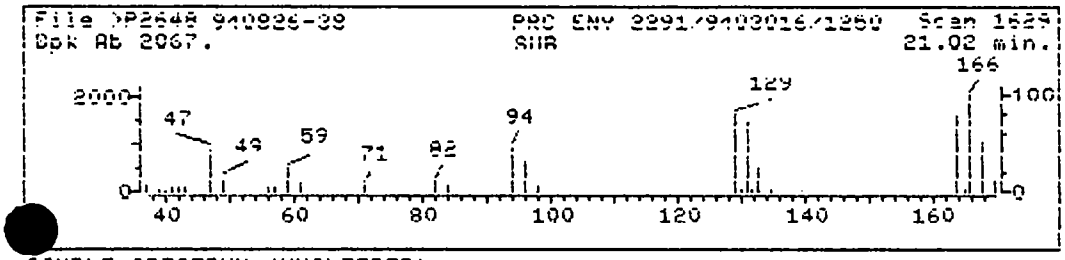
Compound No: 32
Compound Name: Toluene
Scan Number: 1546
Retention Time: 19.97 min.
Quant Ion: 91.0
Area: 49713
Concentration: 46731.04 PPB
q-value: 90

REFERENCE File >P

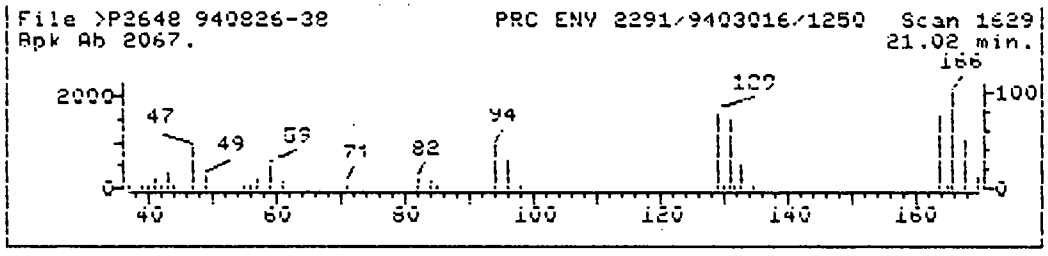
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



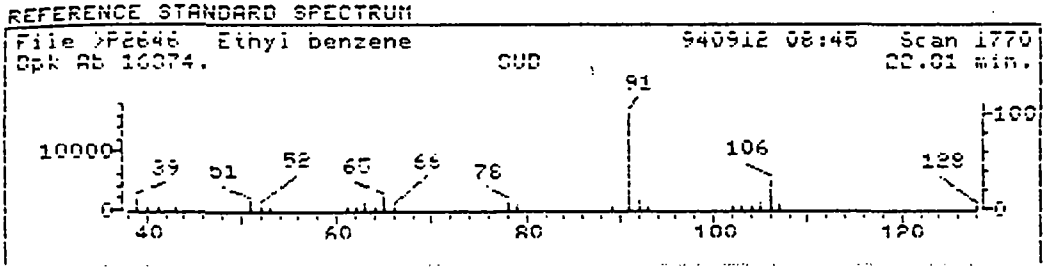
SAMPLE SPECTRUM (UNALTERED)



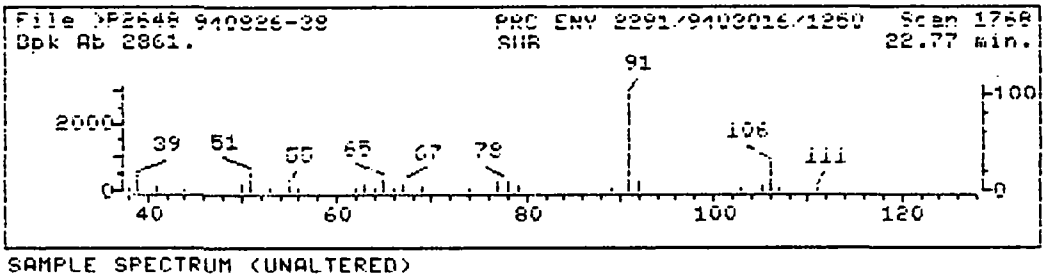
Data File: >P2648::D1 Quant Output File: ^P2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS
Quant Time: 940912 10:48 Quant ID File: IDCOM1::A8
Injected at: 940912 10:18 Last Calibration: 940912 10:00

Compound No: 36
Compound Name: Tetrachloroethene
Scan Number: 1629
Retention Time: 21.02 min.
Quant Ion: 164.0
Area: 8734
Concentration: 26103.77 PPB
q-value: 96

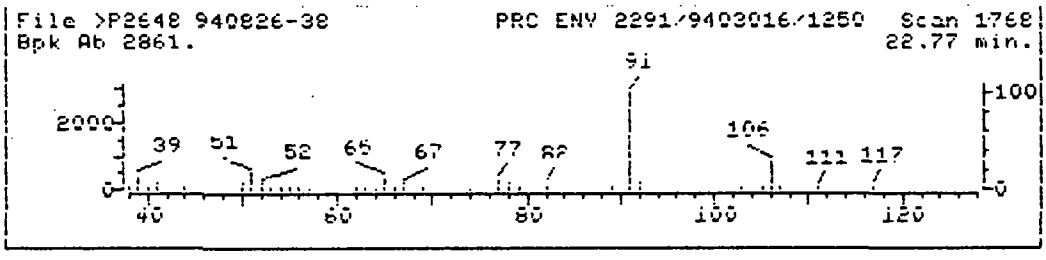
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



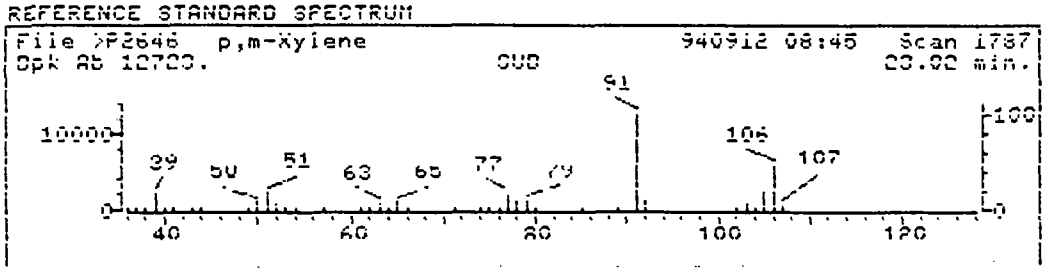
SAMPLE SPECTRUM (UNALTERED)



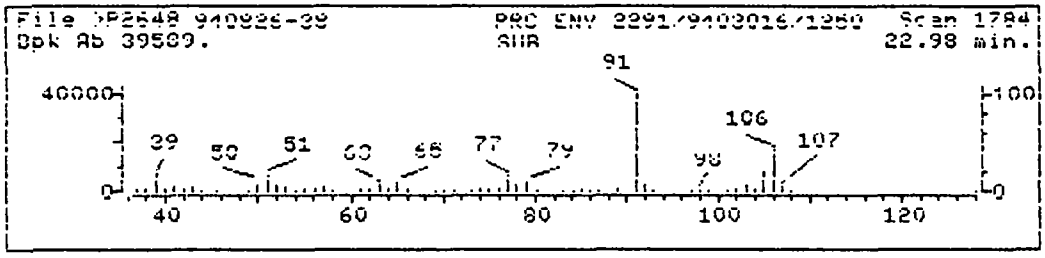
Data File: >P2648::D1 Quant Output File: ^P2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS
Quant Time: 940912 10:48 Quant ID File: IDCGW1::A3
Injected at: 940912 10:18 Last Calibration: 940912 10:00

Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1768
Retention Time: 22.77 min.
Quant Ion: 106.0
Area: 4179
Concentration: 12308.34 PPB
q-value: 97

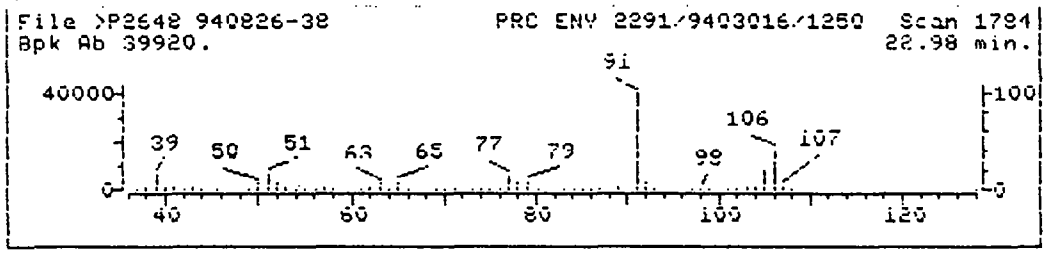
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



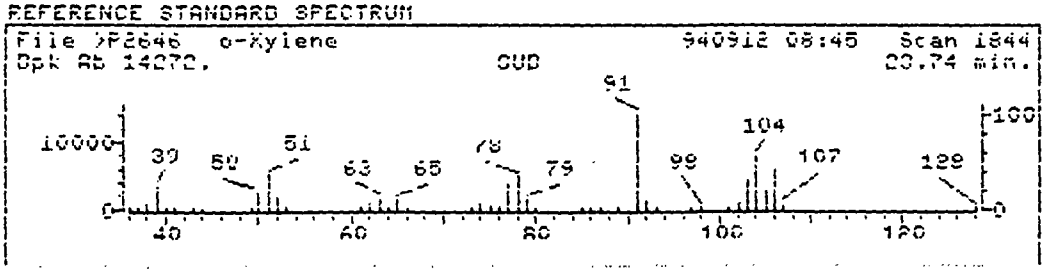
SAMPLE SPECTRUM (UNALTERED)



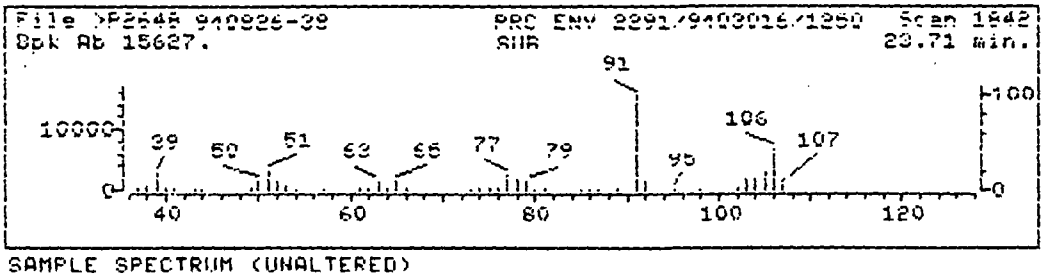
Data File: >P2648::D1 Quant Output File: ^P2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS
Quant Time: 940912 10:48 Quant ID File: IDCOM1::A3
Injected at: 940912 10:18 Last Calibration: 940912 10:00

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1784
Retention Time: 22.98 min.
Quant Ion: 106.0
Area: 92821M
Concentration: 214933.0 PPB
q-value: 98

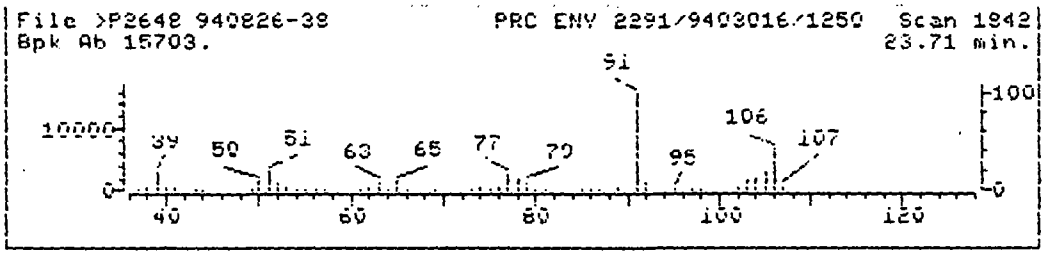
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



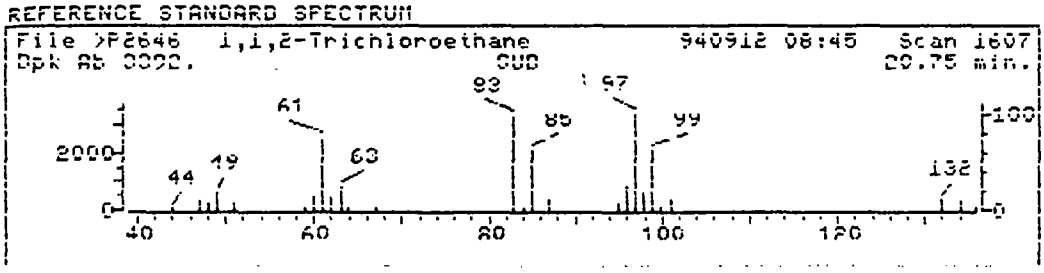
SAMPLE SPECTRUM (UNALTERED)



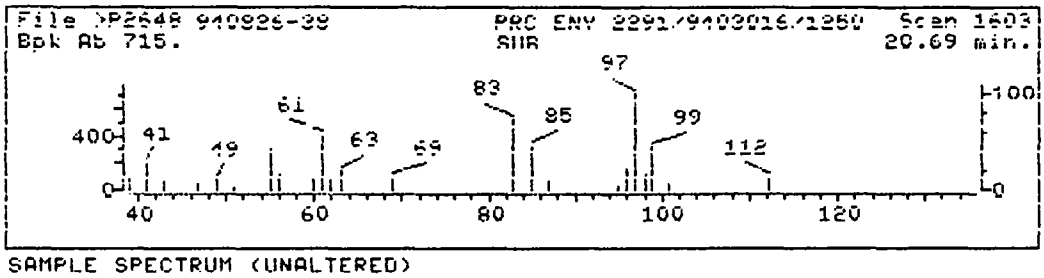
Data File: >P2648::D1 Quant Output File: ^P2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS
Quant Time: 940912 10:48 Quant ID File: IDCOW1::A3
Injected at: 940912 10:18 Last Calibration: 940912 10:00

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1842
Retention Time: 23.71 min.
Quant Ion: 106.0
Area: 35292
Concentration: 80106.27 PPB
q-value: 95

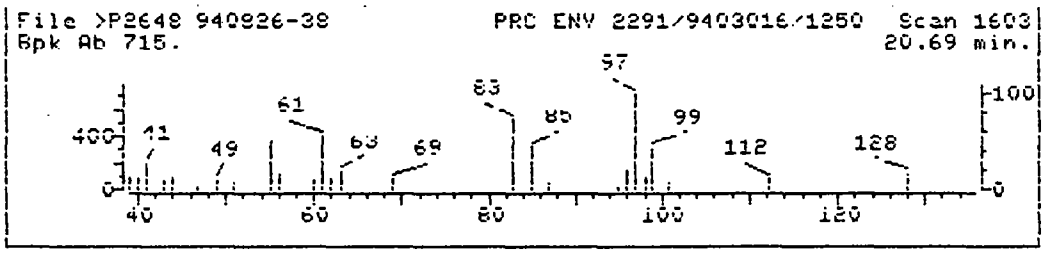
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2648::D1 Quant Output File: ^P2648::D1
Name: 940826-38
Misc: PRC ENV 2291/9403016/1250DL/JS
Quant Time: 940912 10:48 Quant ID File: IDCCW1::A5
Injected at: 940912 10:18 Last Calibration: 940912 10:00

Compound No: 34
Compound Name: 1,1,2-Trichloroethane
Scan Number: 1603
Retention Time: 20.69 min.
Quant Ion: 97.0
Area: 4121
Concentration: 15065.11 PPB
q-value: ??

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Environmental Laboratories

7979 GSRI Ave.
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(504) 769-4900
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260038
CLIENT ID : SBA-07
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:15

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 02:47
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000510

QUANT REPORT

Operator ID: JULES
Output File: ^G6408::SC
Data File: >G6408::A4
Name: 940826-038
Misc: PRC 10DL

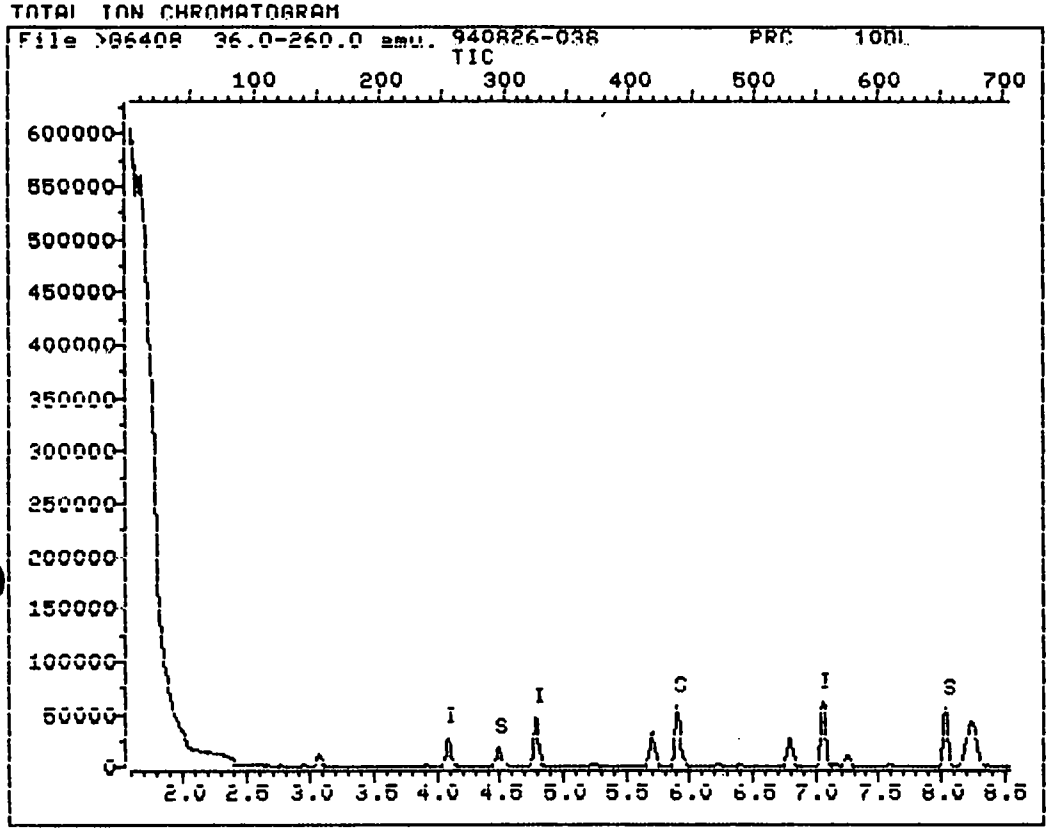
Quant Rev: 6 Quant Time: 940830 11:37
Injected at: 940828 02:47
Dilution Factor: 10.00000

ID File: 1DINW2::A3
Title: VOA 1DFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	254	9877	50.00	ug/L	70
20)	*1,4-DIFLUOROBENZENE	4.78	325	52613	50.00	ug/L	92
22)	1,2-DICHLOROETHANE-D4	4.49	295	17107	485.71	ug/L	84
31)	TOLUENE-D8	5.90	438	53656	526.92	ug/L	96
35)	*CHLOROBENZENE-D5	7.06	555	47782	50.00	ug/L	99
46)	4-BROMOFLUOROBENZENE	8.03	654	29893	468.91	ug/L	97

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >G6408::A4 Quant Output File: ^G6408::SC
Name: 940826-038
Misc: PRC 10DL

Id File: 1D1NW2::A3
Title: VOA 1DFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 11:37
Injected at: 940828 02:47

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Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260039
CLIENT ID : SBA-08
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:10

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/09/94 METHOD: 8240
ANALYSIS TIME: 15:14 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		7.04	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene	<	DL	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride		13.9	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene	<	DL	1250	6.25
Toluene		16.9	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene		22.3	1250	6.25

0000513

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940909 15:44
Output File: ^P2578::D1 Injected at: 940909 15:14
Data File: >P2578::A5 Dilution Factor: 1250.000
Name: 940826-39
Misc: PRC ENVIRO 2291/9403016/1250DL/JS

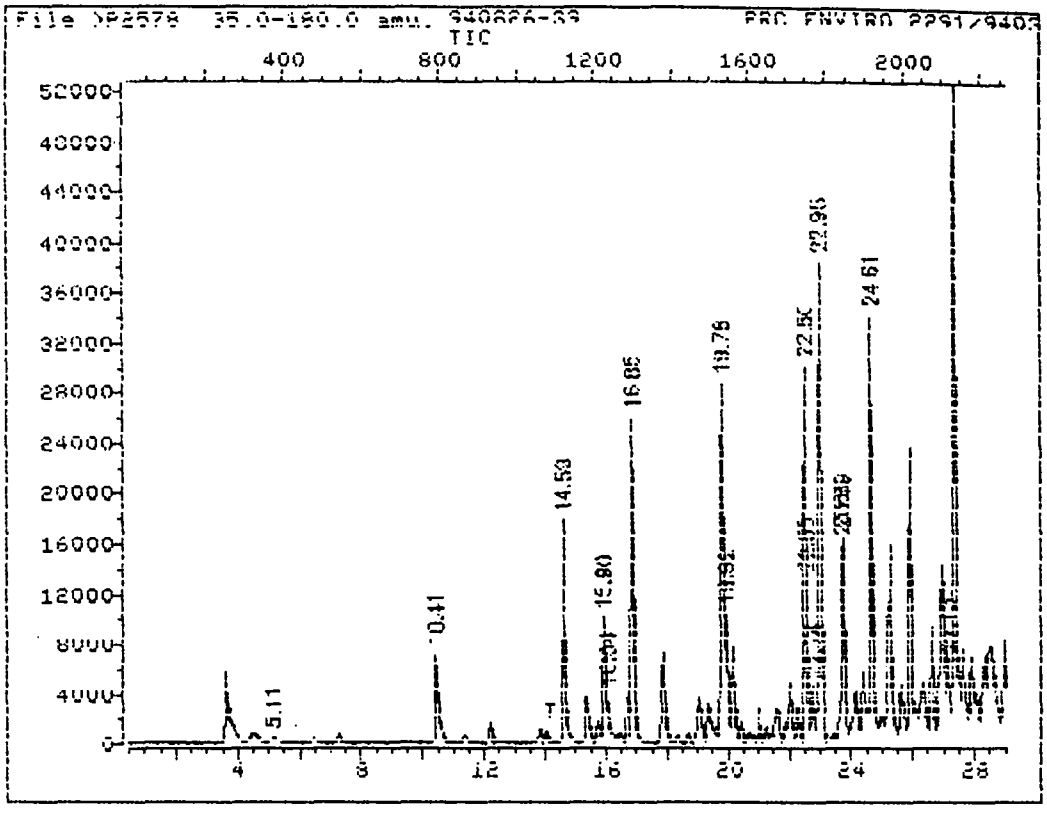
ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940909 12:22

6250

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.59	1120	13537	50.00	PPB	76
3)	Vinyl chloride	5.11	369	1647	~~4673.78~~	PPB	92
11)	Methylene chloride	10.41	789	10348	13858.60	PPB	79
16)	cis-1,2-Dichloroethylene	14.01	1074	2568	~~1551.70~~	PPB	86
20)	*1,4-DIFLUOROBENZENE	16.85	1299	60500	50.00	PPB	86
22)	1,2-DICHLOROETHANE-D4	15.90	1224	22423	59644.30 95	PPB	82
24)	Benzene	16.04	1235	7811	7040.15	PPB	100
30)	4-Methyl-2-pentanone	19.78	1531	1078	~~3837.21~~	PPB	43
31)	TOLUENE-D8	19.78	1531	49847	61556.98 98	PPB	99
32)	Toluene	19.92	1542	19083	16938.23	PPB	93
35)	*CHLOROBENZENE-D5	22.50	1747	45367	50.00	PPB	90
36)	Tetrachloroethene	20.96	1625	1310	~~3471.30~~	PPB	95
40)	Chlorobenzene	22.55	1751	951	~~1221.83~~	PPB	99
41)	Ethyl benzene	22.74	1766	2074	~~5598.26~~	PPB	95
42)	p,m-Xylene	22.74	1766	50445 2074	~~4483.54~~	PPB	99
43)	o-Xylene	23.68	1840	8642	17829.30	PPB	94
44)	Styrene	23.69	1841	5874	7404.71	PPB	84
46)	BROMOFLUOROBENZENE	24.61	1914	41245	67878.70 109	PPB	72
50)	1,2-Dichlorobenzene	27.13	2113	468	784.17	PPB	79

* Compound is ISTD

TOTAL ION CHROMATOGRAM



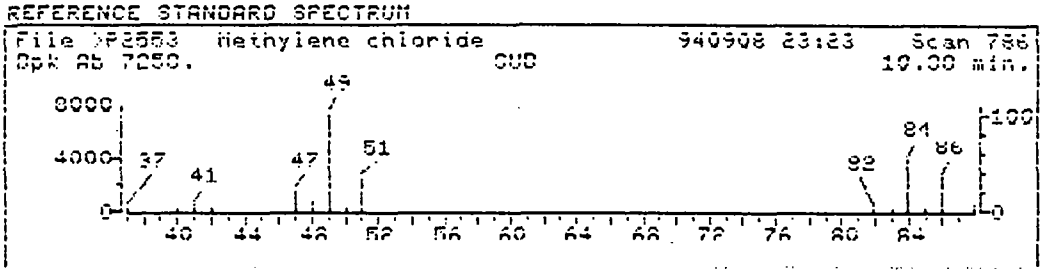
Data File: >P2578::A5 Quant Output File: ^P2578::D1
Name: 940826-39
Misc: PRC ENVIRO 2291/9403016/125006/J5

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 12:22

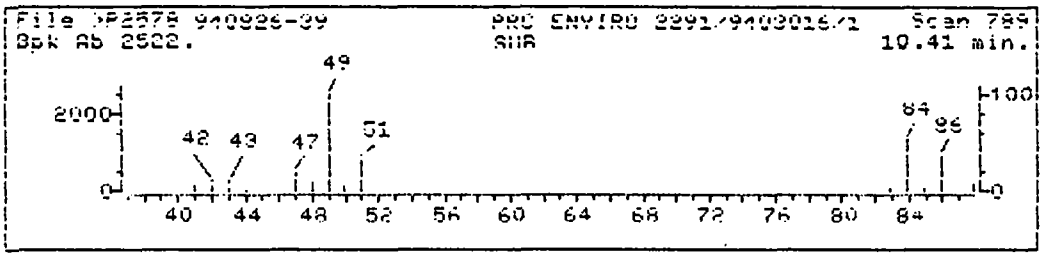
Operator ID: BUBBA
Quant Time: 940909 15:44
Injected at: 940909 15:14

REFERENCE
File
Opr
A5

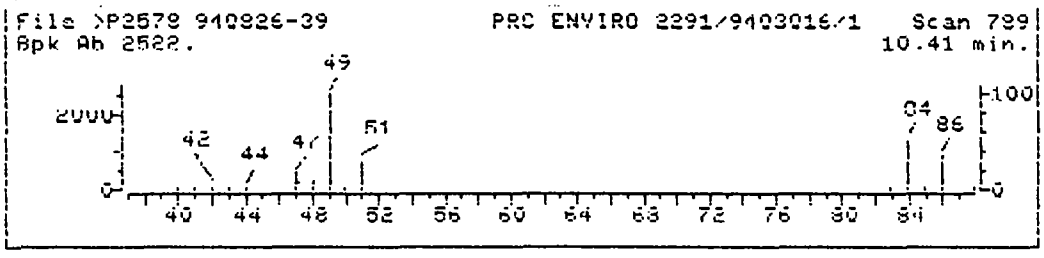
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



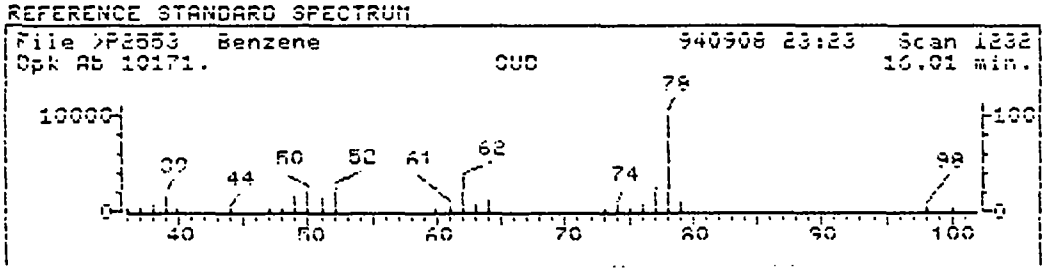
SAMPLE SPECTRUM (UNALTERED)



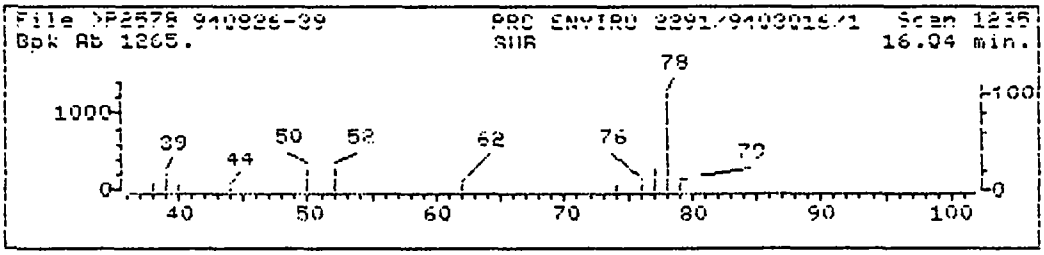
Data File: >P2578::A5 Quant Output File: ^P2578::D1
Name: 940826-39
Misc: PRC ENVIRO 2291/9403016/125UDL/JS
Quant Time: 940909 15:44 Quant ID File: IDCCW1::A3
Injected at: 940909 15:14 Last Calibration: 940909 12:22

Compound No: 11
Compound Name: Methylene chloride
Scan Number: 789
Retention Time: 10.41 min.
Quant Ion: 84.0
Area: 10348
Concentration: 13858.60 PPB
q-value: 78

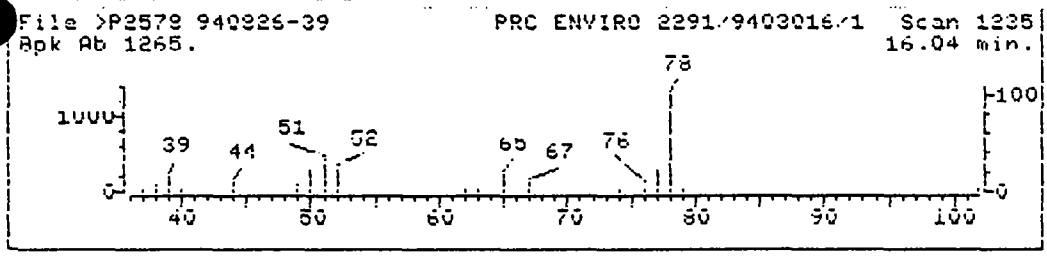
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

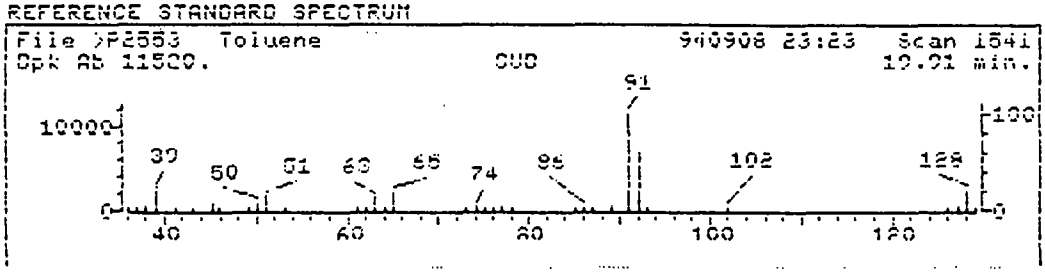


Data File: >P2578::A5 Quant Output File: ^P2578::D1
Name: 940826-39
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940909 15:44 Quant ID File: IDCOM1::A3
Injected at: 940909 15:14 Last Calibration: 940909 12:22

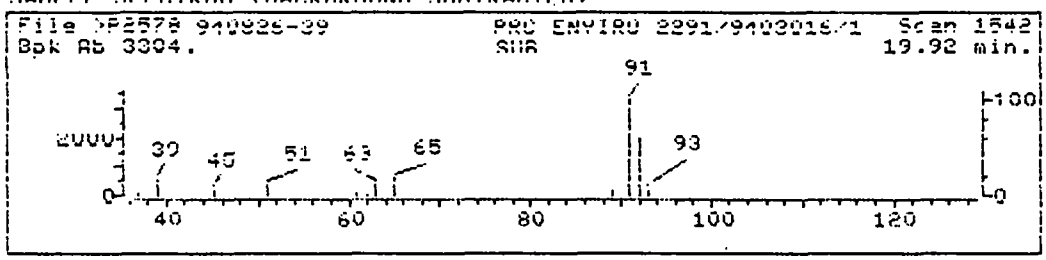
Compound No: 24
Compound Name: Benzene
Scan Number: 1235
Retention Time: 16.04 min.
Quant Ion: 78.0
Area: 7811
Concentration: 7040.15 PPB
q-value: 100

REFERENCE ST
File >P255
Bpk Ab 41

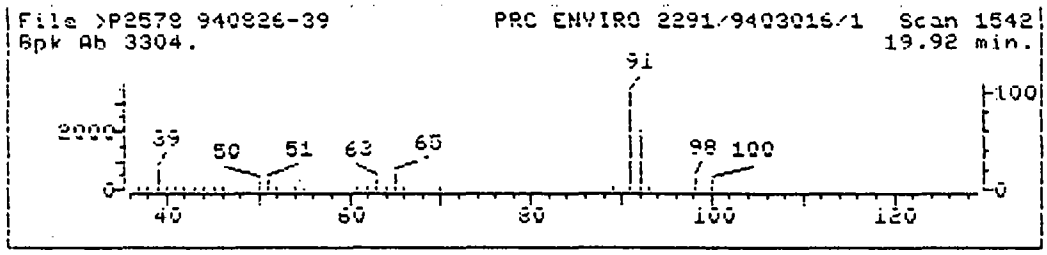
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2578::A5 Quant Output File: ^P2578::D1
Name: 940826-39
Misc: PRC ENVIRO 2291/9403016/1250DL/J5
Quant Time: 940909 15:44 Quant ID File: IDCCW1::A3
Injected at: 940909 15:14 Last Calibration: 940909 12:22

Compound No: 32
Compound Name: Toluene
Scan Number: 1542
Retention Time: 19.92 min.
Quant Ion: 91.0
Area: 19083
Concentration: 16938.23 PPB
q-value: 93

REFERENCE
File >P25
Bpk Ab 40

0000518

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260039
CLIENT ID : SBA-08
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:10

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 01:43
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	0.28	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	0.55*	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000519

QUANT REPORT

Operator ID: JULES
Output File: ^G6405::A2
Data File: >G6405::A4
Name: 940826-039
Misc: PRC 10DL

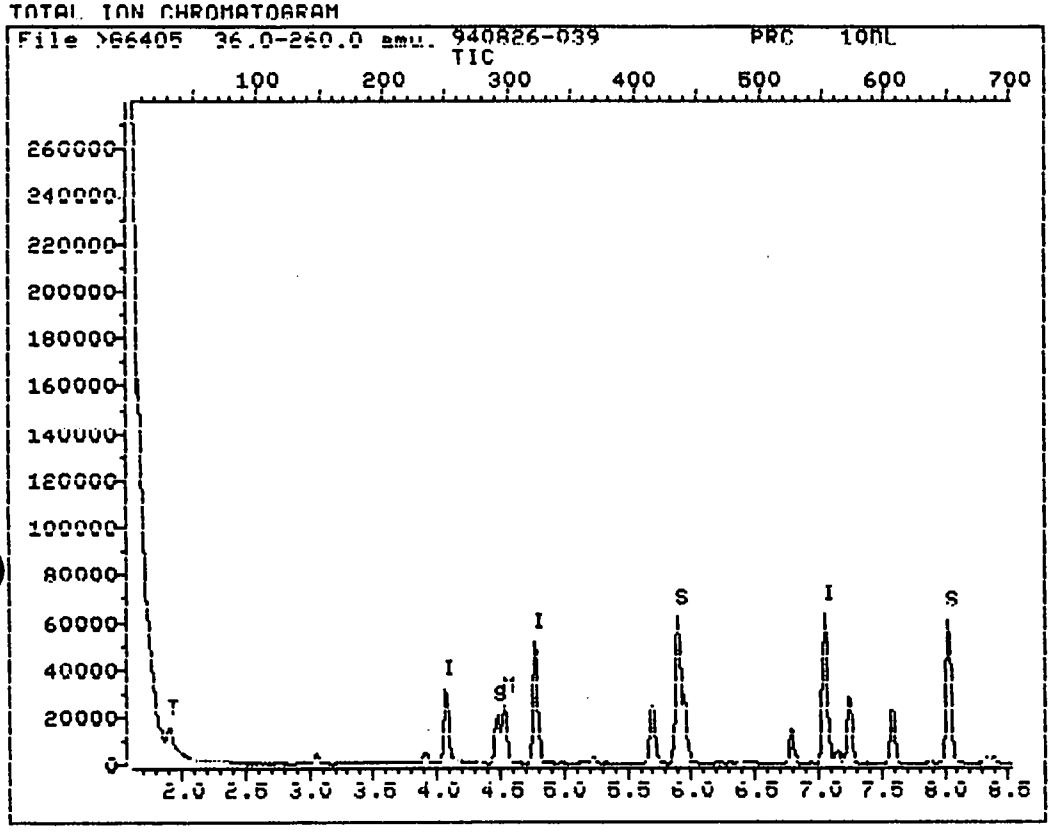
Quant Rev: 6 Quant Time: 940831 15:26
Injected at: 940828 01:43
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940830 15:57

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.07	250	10075	50.00	ug/L	77
3)	Vinyl chloride	1.91	31	13525	550.23	ug/L	95
20)	*1,4-DIFLUOROBENZENE	4.77	321	57063	50.00	ug/L	94
22)	1,2-DICHLOROETHANE-D4	4.48	291	19842	559.01	ug/L	86
24)	Benzene	4.54	297	24930	275.87	ug/L	100
31)	TOLUENE-D8	5.90	435	60477	531.98	ug/L	93
35)	*CHLOROBENZENE-D5	7.05	552	50849	50.00	ug/L	97
46)	4-BROMOFLUOROBENZENE	8.03	651	34011	521.24	ug/L	98

* Compound is ISTD

TOTAL ION CHROMATOGRAM

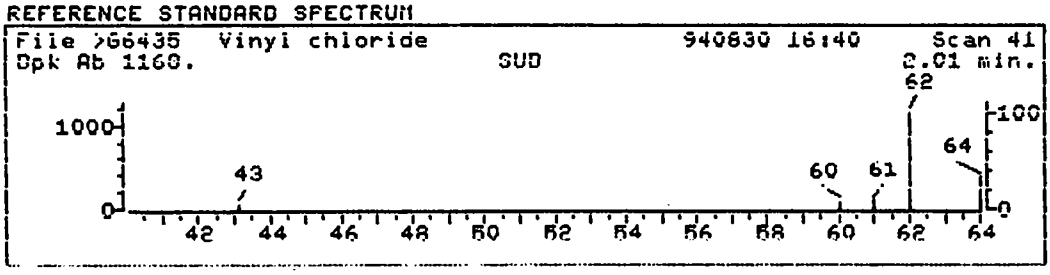


Data File: >G6405::A4 Quant Output File: ^G6405::A2
Name: 940826-039
Misc: PRC 10DL

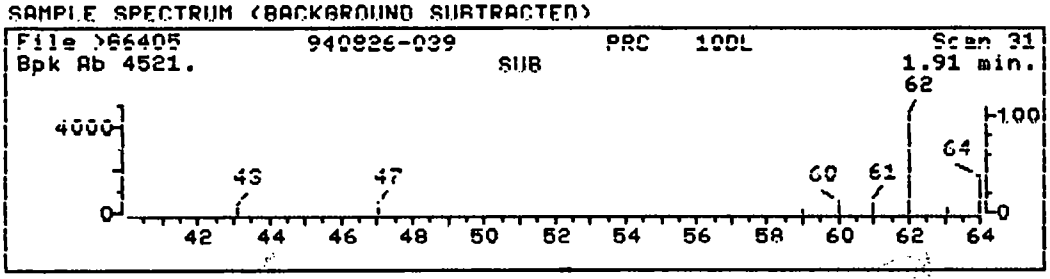
Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940830 15:57

Operator ID: JULES
Quant Time: 940831 15:26
Injected at: 940828 01:43

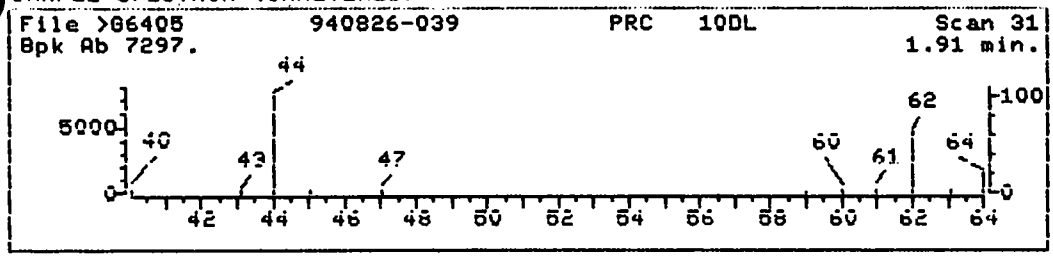
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



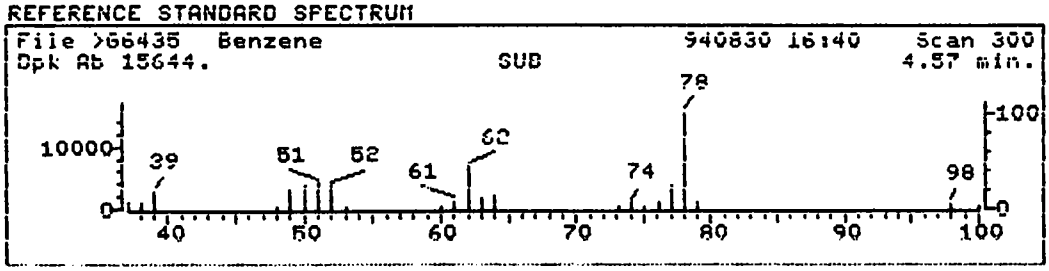
Data File: >G6405::A4
Name: 940826-039
Misc: PRC 10DL
Quant Time: 940831 15:26
Injected at: 940828 01:43

Quant Output File: ^G6405::A2

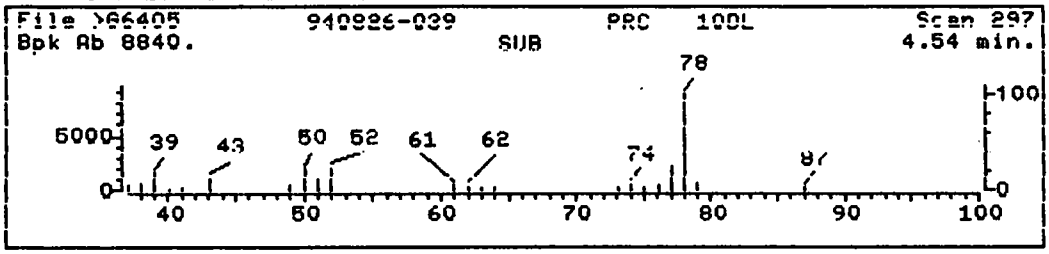
Quant ID File: IDINW2::A3
Last Calibration: 940830 15:57

Compound No: 3
Compound Name: Vinyl chloride
Scan Number: 31
Retention Time: 1.91 min.
Quant Ion: 62.0
Area: 13525
Concentration: 550.23 ug/L
q-value: 95

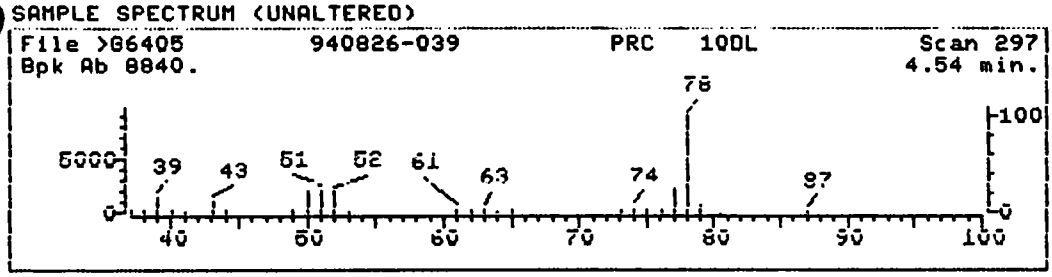
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6405::A4
Name: 940826-039
Misc: PRC 10DL
Quant Time: 940831 15:26
Injected at: 940828 01:43

Quant Output File: ^G6405::A2

Quant ID File: ID1NW2::A3
Last Calibration: 940830 15:57

Compound No: 24
Compound Name: Benzene
Scan Number: 297
Retention Time: 4.54 min.
Quant Ion: 78.0
Area: 24930
Concentration: 275.87 ug/L
q-value: 100

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260040
CLIENT ID : SBA-09
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:20

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/08/94 METHOD: 8240
ANALYSIS TIME: 21:03 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		162	2500	12.5
Bromoform	<	DL	2500	12.5
Carbon tetrachloride	<	DL	2500	12.5
Chlorobenzene	<	DL	2500	12.5
Chlorodibromomethane	<	DL	2500	12.5
Chloroethane	<	DL	2500	12.5
2-Chloroethylvinyl ether	<	DL	2500	12.5
Chloroform	<	DL	2500	12.5
1,2-Dichlorobenzene	<	DL	2500	12.5
1,4-Dichlorobenzene	<	DL	2500	12.5
1,3-Dichlorobenzene	<	DL	2500	12.5
Dichlorobromomethane	<	DL	2500	12.5
1,1-Dichloroethane	<	DL	2500	12.5
1,2-Dichloroethane	<	DL	2500	12.5
1,1-Dichloroethene	<	DL	2500	12.5
trans-1,2-Dichloroethene	<	DL	2500	12.5
1,2-Dichloropropane	<	DL	2500	12.5
1,3-Dichloropropylene	<	DL	2500	12.5
trans-1,3-Dichloropropene	<	DL	2500	12.5
Ethylbenzene		55.6	2500	12.5
Methyl bromide	<	DL	2500	12.5
Methyl chloride	<	DL	2500	12.5
Methylene chloride		37.7	2500	12.5
1,1,2,2-Tetrachloroethane	<	DL	2500	12.5
Tetrachloroethene		40.7	2500	12.5
Toluene		230	2500	12.5
1,1,1-Trichloroethane	<	DL	2500	12.5
1,1,2-Trichloroethane	<	DL	2500	12.5
Trichloroethene	<	DL	2500	12.5
Trichlorofluoromethane	<	DL	2500	12.5
Vinyl chloride	<	DL	2500	12.5
Total Xylene		1220	2500	12.5

0000524

QUANT REPORT

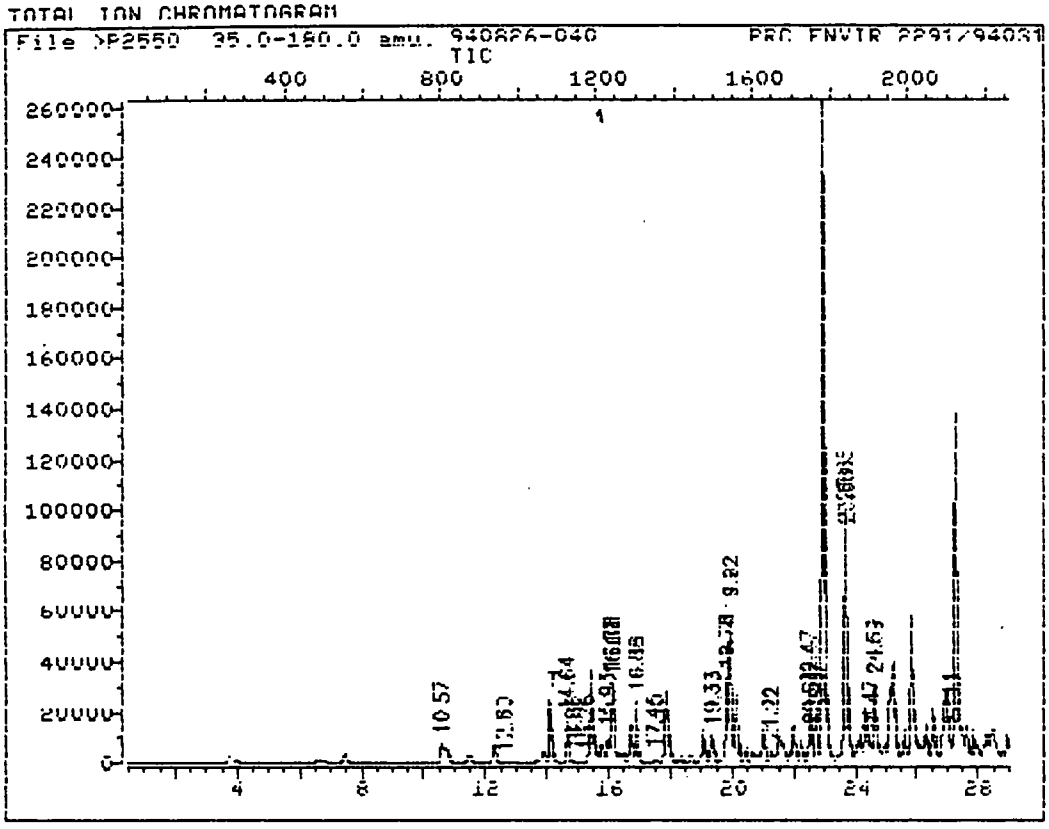
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940908 21:33
Output File: ^P2550::D1 Injected at: 940908 21:03
Data File: >P2550::D2 Dilution Factor: 2500.000
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940908 11:52

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.64	1124	11709	50.00	PPB	80
11)	Methylene chloride	10.57	801	9274	37656.69	PPB	78
14)	1,1-Dichloroethane	12.60	962	1745	4565.74	PPB	88
16)	cis-1,2-Dichloroethylene	14.09	1080	58224	79487.80	PPB	86
18)	Chloroform	14.86	1141	522	1451.16	PPB	92
19)	1,1,1-Trichloroethane	15.26	1173	937	3431.07	PPB	91
20)	*1,4-DIFLUOROBENZENE	16.88	1301	54198	50.00	PPB	88
22)	1,2-DICHLOROETHANE-D4	15.93	1226	15542	130326.2	PPB	83
23)	1,2-Dichloroethane	16.09	1239	1631	7552.79	PPB	89
24)	Benzene	16.08	1238	77022	161653.4	PPB	100
25)	Trichloroethene	17.45	1346	1365	7569.99	PPB	99
30)	4-Methyl-2-pentanone	19.33	1495	16351	116897.2	PPB	45
31)	TOLUENE-D8	19.78	1531	43835	132236.6	PPB	93
32)	Toluene	19.92	1542	111490	229799.7	PPB	94
35)	*CHLOROBENZENE-D5	22.47	1744	40177	50.00	PPB	91
36)	Tetrachloroethene	20.96	1674	6556	40696.48	PPB	99
38)	2-Hexanone	21.22	1645	3405	36333.92	PPB	49
40)	Chlorobenzene	22.54	1749	797	2343.76	PPB	88
41)	Ethyl benzene	22.71	1763	8897	55574.45	PPB	96
42)	p,m-Xylene	22.93	1780	18644/M	926623.9	PPB	99
43)	o-Xylene	23.65	1837	61461	298667.6	PPB	99
44)	Styrene	23.68	1839	25282	74482.63	PPB	68
46)	BROMOFLUOROBENZENE	24.59	1911	38364	150108.0	PPB	68
47)	1,1,2,2-Tetrachloroethane	24.47	1902	135	554.27	PPB	58
50)	1,2-Dichlorobenzene	27.11	2110	436	1663.13	PPB	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM

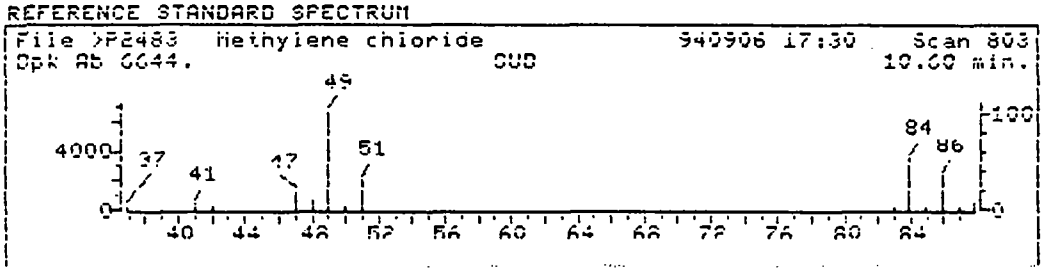


Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/J5

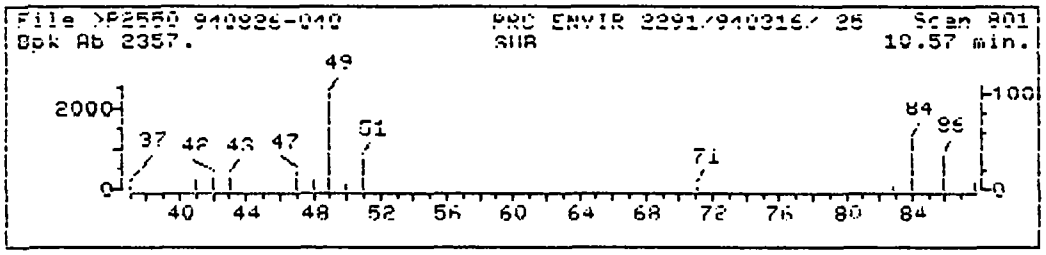
Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940908 11:52

Operator ID: BUBBA
Quant Time: 940908 21:33
Injected at: 940908 21:03

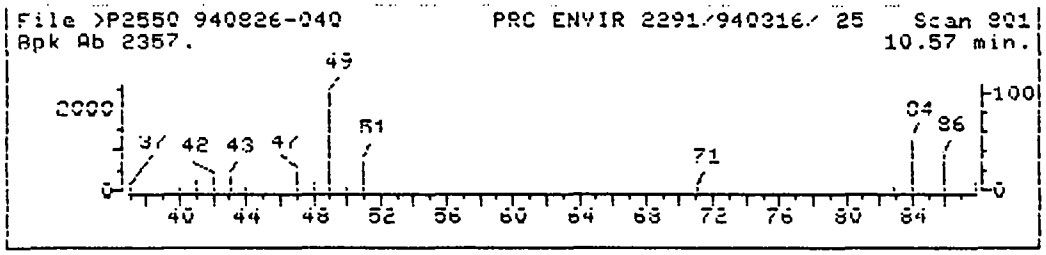
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



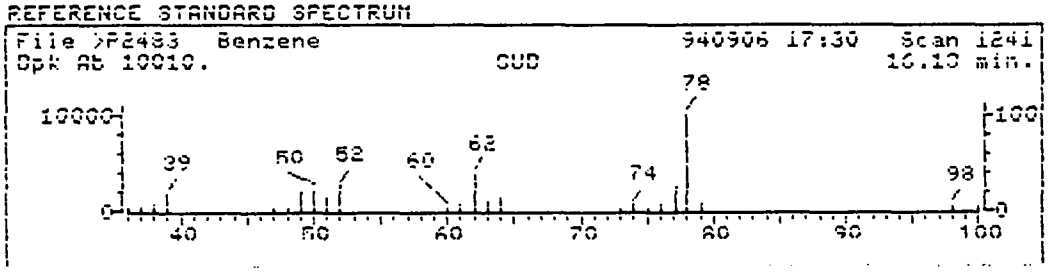
SAMPLE SPECTRUM (UNALTERED)



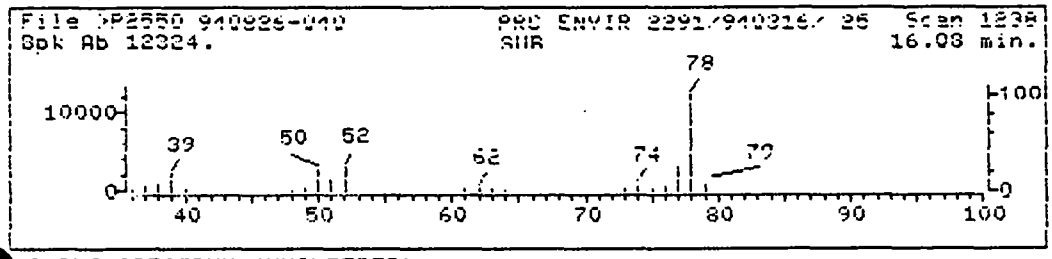
Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/JS
Quant Time: 940908 21:33 Quant ID File: IDCCW1::A3
Injected at: 940908 21:03 Last Calibration: 940908 11:52

Compound No: 11
Compound Name: Methylene chloride
Scan Number: 801
Retention Time: 10.57 min.
Quant Ion: 84.0
Area: 9274
Concentration: 37656.69 PPB
q-value: 78

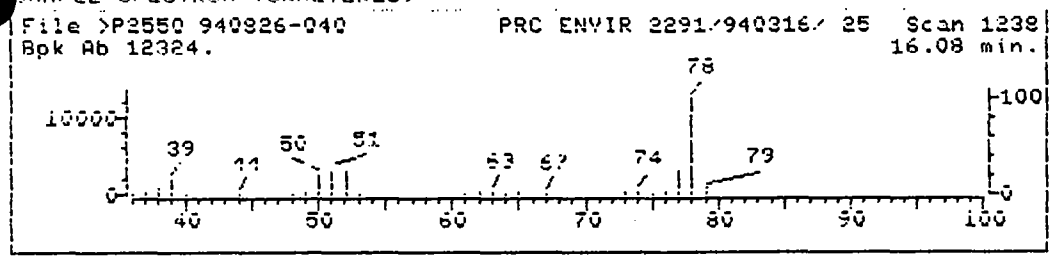
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



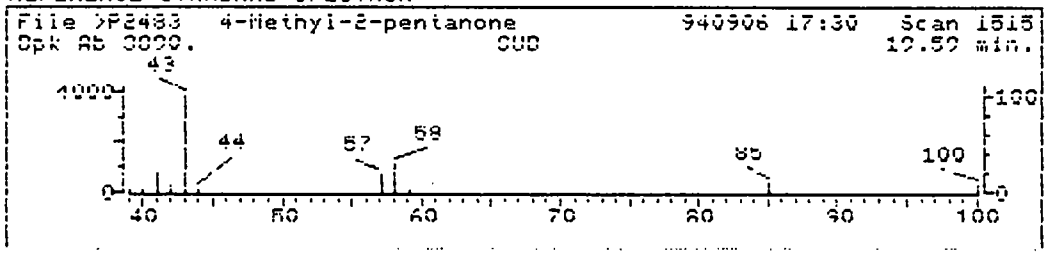
SAMPLE SPECTRUM (UNALTERED)



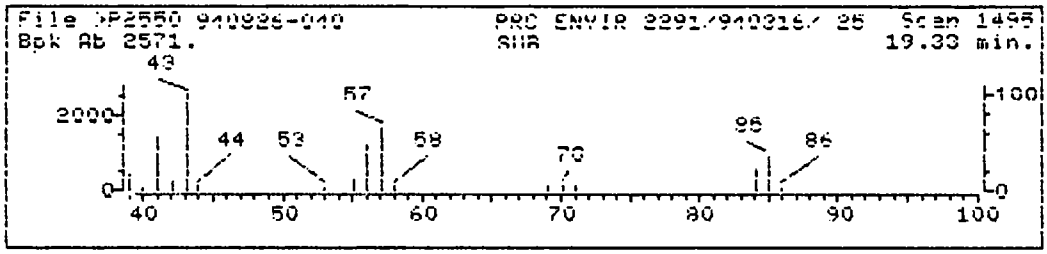
Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/JS
Quant Time: 940908 21:33 Quant ID File: IDC001::A3
Injected at: 940908 21:03 Last Calibration: 940908 11:52

Compound No: 24
Compound Name: Benzene
Scan Number: 1238
Retention Time: 16.08 min.
Quant Ion: 78.0
Area: 77022
Concentration: 161653.4 PPB
q-value: 100

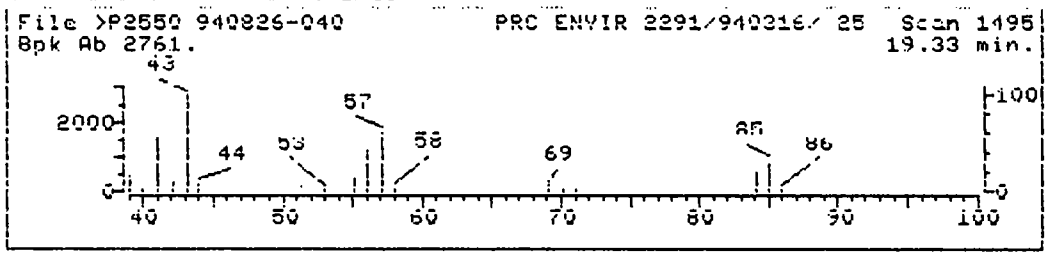
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



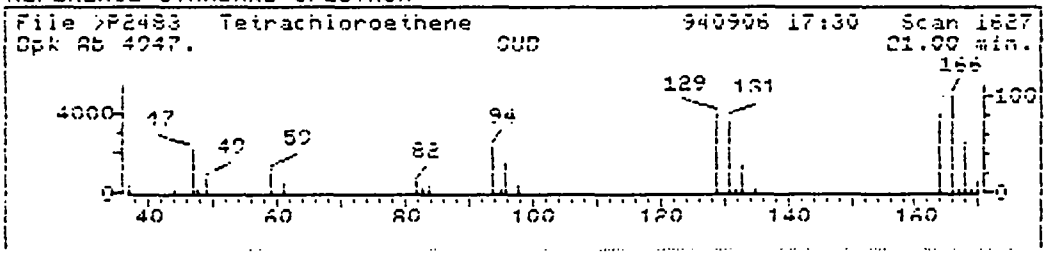
SAMPLE SPECTRUM (UNALTERED)



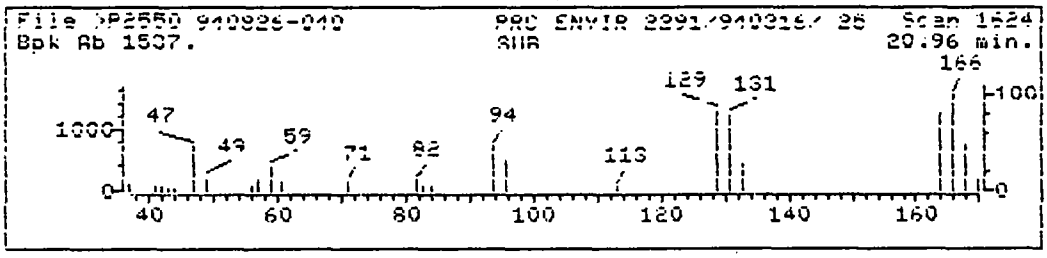
Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/J5
Quant Time: 940908 21:33 Quant ID File: IDCOM1::A3
Injected at: 940908 21:03 Last Calibration: 940908 11:52

Compound No: 30
Compound Name: 4-Methyl-2-pentanone
Scan Number: 1495
Retention Time: 19.33 min.
Quant Ion: 43.0
Area: 18391
Concentration: 11689.2 PPB
q-value: 45

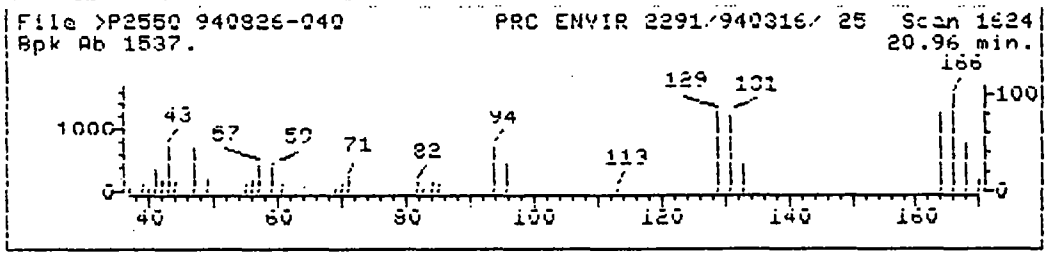
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



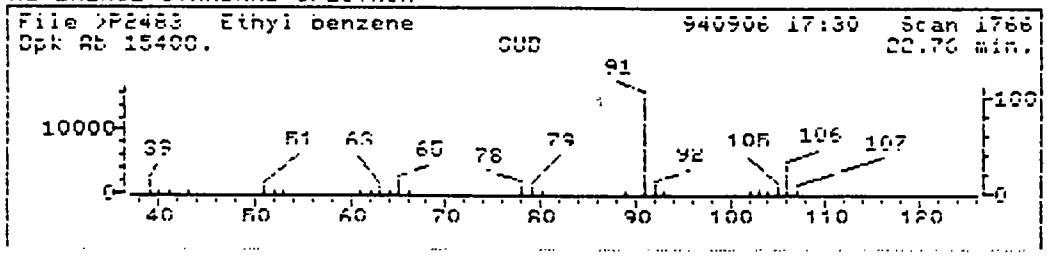
SAMPLE SPECTRUM (UNALTERED)



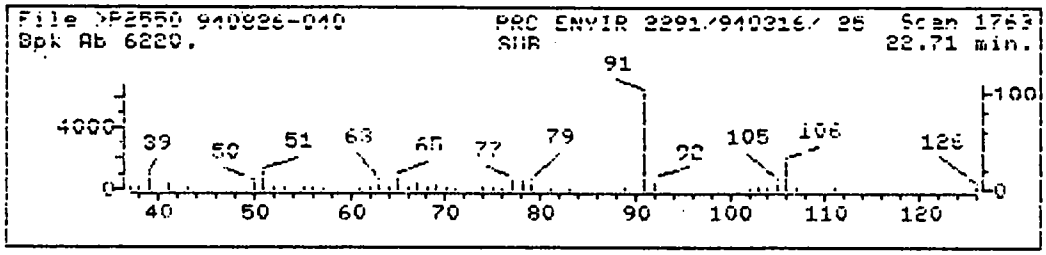
Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/JS
Quant Time: 940908 21:33 Quant ID File: IDCC01::A3
Injected at: 940908 21:03 Last Calibration: 940908 11:52

Compound No: 36
Compound Name: Tetrachloroethene
Scan Number: 1624
Retention Time: 20.96 min.
Quant Ion: 164.0
Area: 6556
Concentration: 40696.48 PPB
q-value: 99

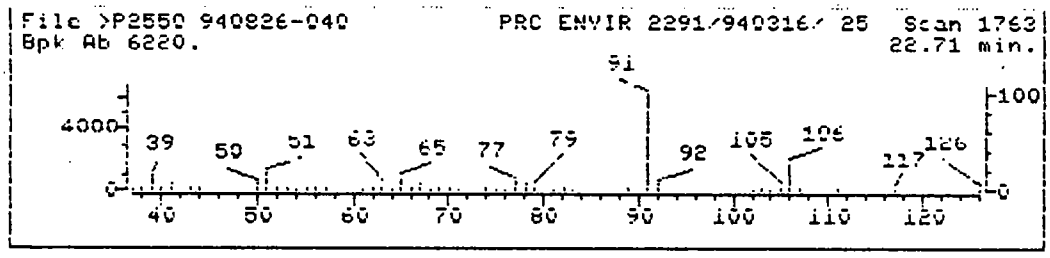
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



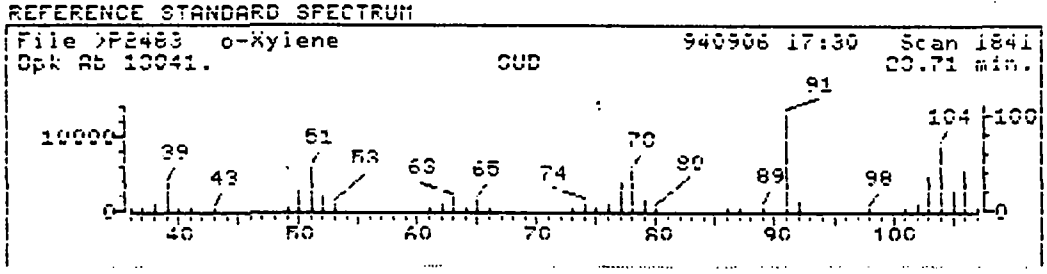
SAMPLE SPECTRUM (UNALTERED)



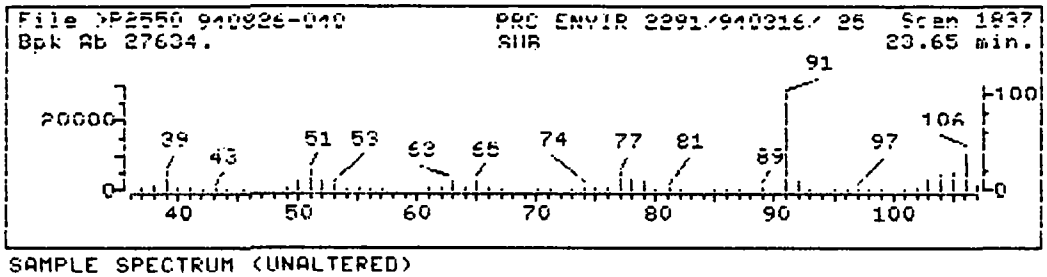
Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/JS
Quant Time: 940908 21:33 Quant ID File: IDCCW1::A3
Injected at: 940908 21:03 Last Calibration: 940908 11:52

Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1763
Retention Time: 22.71 min.
Quant Ion: 106.0
Area: 6897
Concentration: 55574.45 PPB
q-value: 96

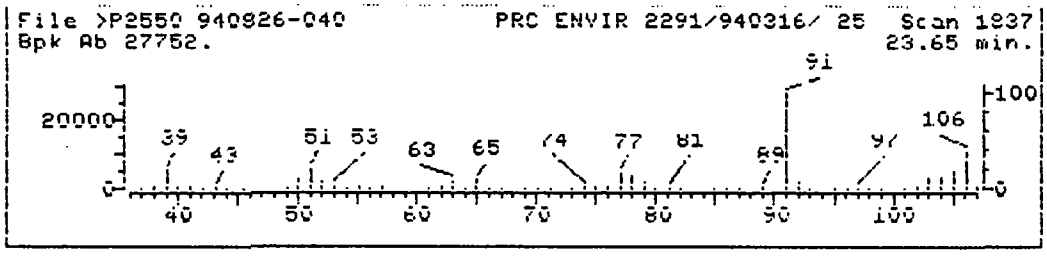
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



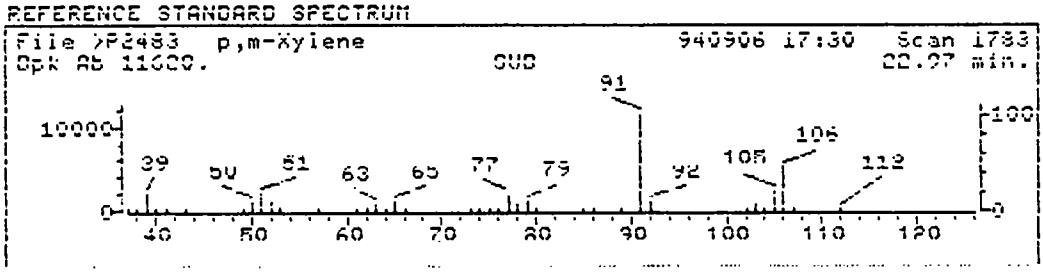
SAMPLE SPECTRUM (UNALTERED)



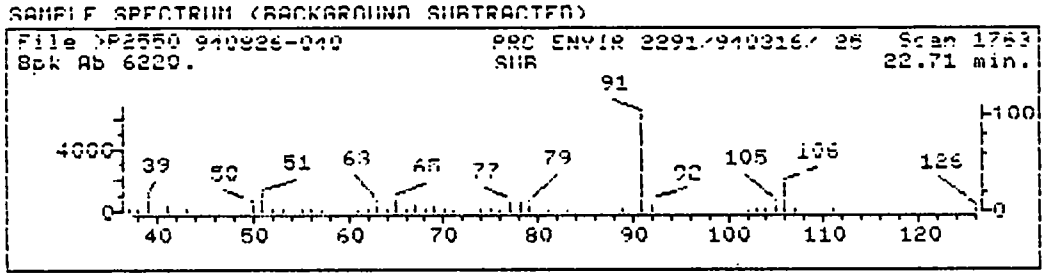
Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/J5
Quant Time: 940908 21:33 Quant ID File: IDCCW1::A3
Injected at: 940908 21:03 Last Calibration: 940908 11:52

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1837
Retention Time: 23.65 min.
Quant Ion: 106.0
Area: 61461
Concentration: 298667.6 PPB
q-value: 99

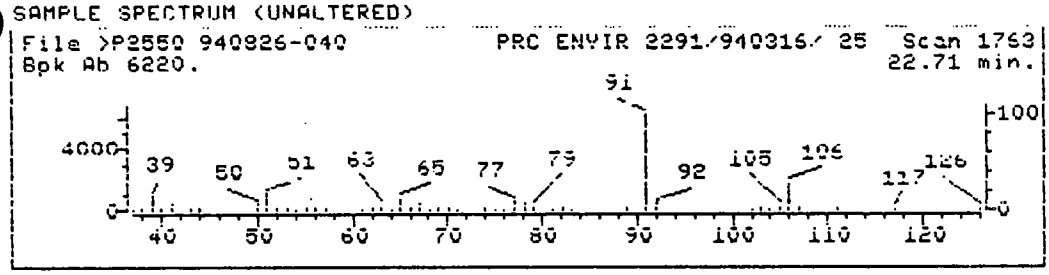
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/J5
Quant Time: 940908 21:33 Quant ID File: IDCON1::A3
Injected at: 940908 21:03 Last Calibration: 940908 11:52

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1763
Retention Time: 22.71 min.
Quant Ion: 106.0
Area: 8897
Concentration: 44217.24 PPB
q-value: 99

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260040
CLIENT ID : SBA-09
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:20

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 03:30
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	*2.25	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	0.21	0.5	0.05	10	8240
1,1-Dichloroethylene	0.08	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	0.12	0.7	0.05	10	8240
Trichloroethylene	0.08	0.5	0.05	10	8240
Vinyl chloride	*0.83	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

QUANT REPORT

Operator ID: JULES
Output File: ^G6410::SC
Data File: >G6410::A4
Name: 940826-040
Misc: PRC 10DL

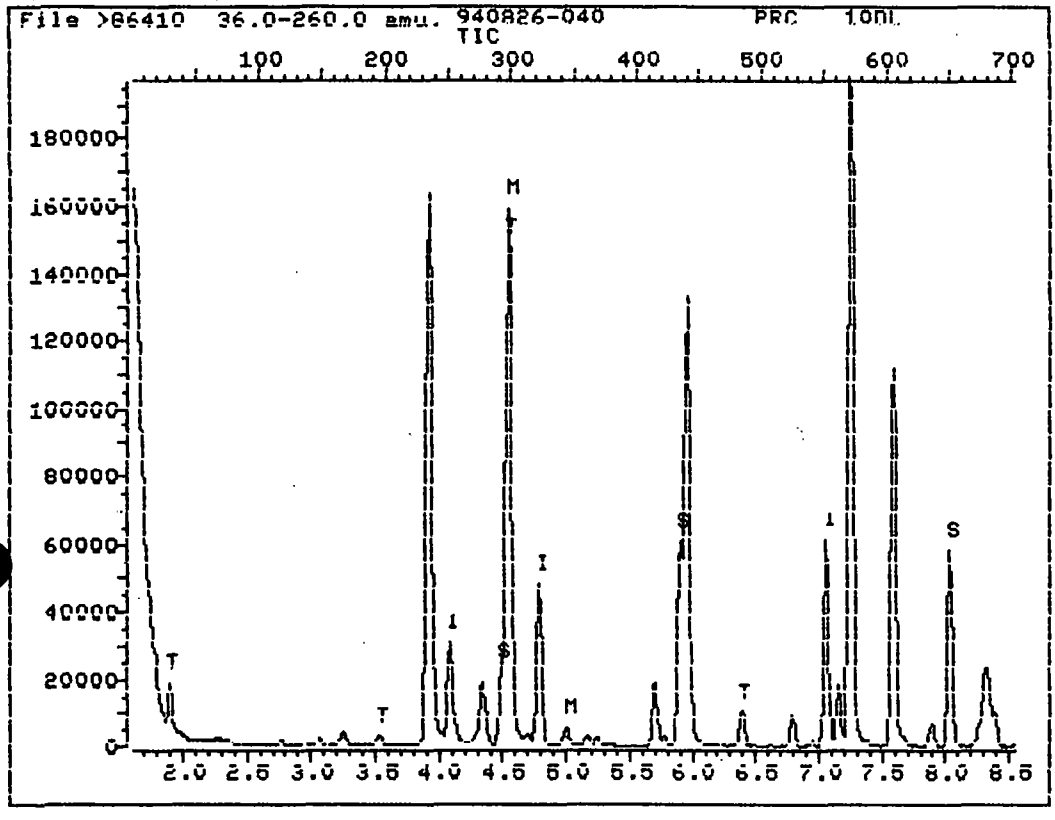
Quant Rev: 6 Quant Time: 940830 11:53
Injected at: 940828 03:30
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9724	50.00	ug/L	63
3)	Vinyl chloride	1.90	30	11469	826.11	ug/L	95
14)	1,1-Dichloroethane	3.53	195	4883	81.12	ug/L	90
20)	*1,4-DIFLUOROBENZENE	4.78	322	51953	50.00	ug/L	92
22)	1,2-DICHLOROETHANE-D4	4.49	292	19019	546.85	ug/L	87
23)	1,2-Dichloroethane	4.54	297	7454	212.11	ug/L	95
24)	Benzene	4.55	298	187569	2246.07	ug/L	100
25)	Trichloroethene	5.00	344	2565	79.13	ug/L	96
31)	TOLUENE-D8	5.90	435	54873	545.71	ug/L	98
35)	*CHLOROBENZENE-D5	7.06	552	47518	50.00	ug/L	99
36)	Tetrachloroethene	6.39	485	3863	119.09	ug/L	98
46)	4-BROMOFLUOROBENZENE	8.03	651	32432	511.57	ug/L	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM

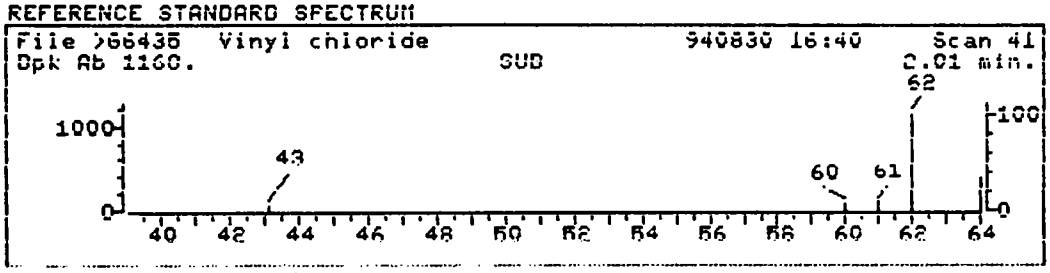


Data File: >G6410::A4 Quant Output File: ^G6410::SC
Name: 940826-040
Misc: PRC 10DL

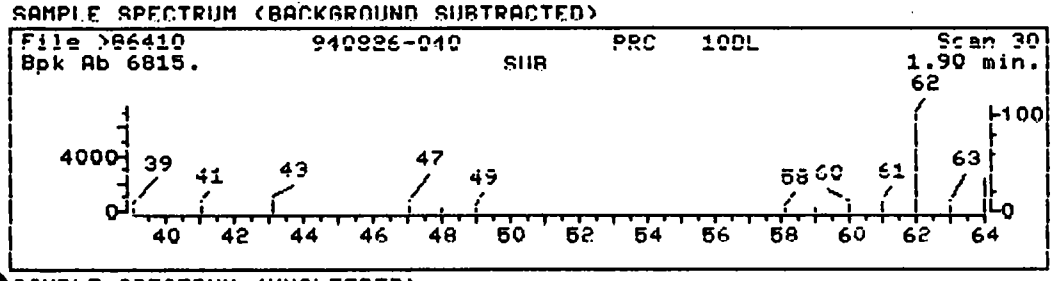
Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 11:53
Injected at: 940828 03:30

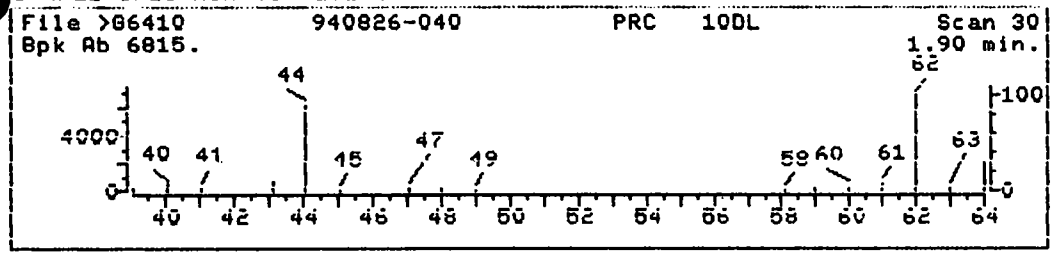
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



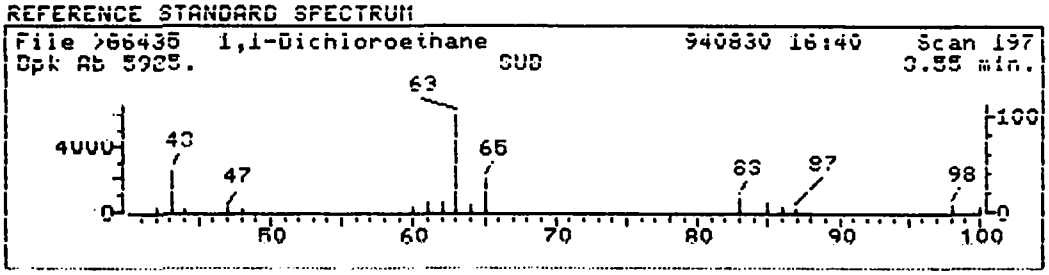
Data File: >G6410::A4
Name: 940826-040
Misc: PRC 10DL
Quant Time: 940830 11:53
Injected at: 940828 03:30

Quant Output File: ^G6410::SC

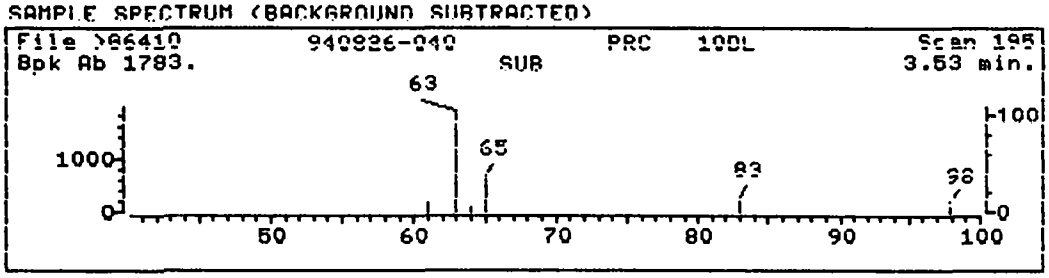
Quant ID File: ID1NW2::A3
Last Calibration: 940828 01:25

Compound No: 3
Compound Name: Vinyl chloride
Scan Number: 30
Retention Time: 1.90 min.
Quant Ion: 62.0
Area: 11469
Concentration: 826.11 ug/L
q-value: 95

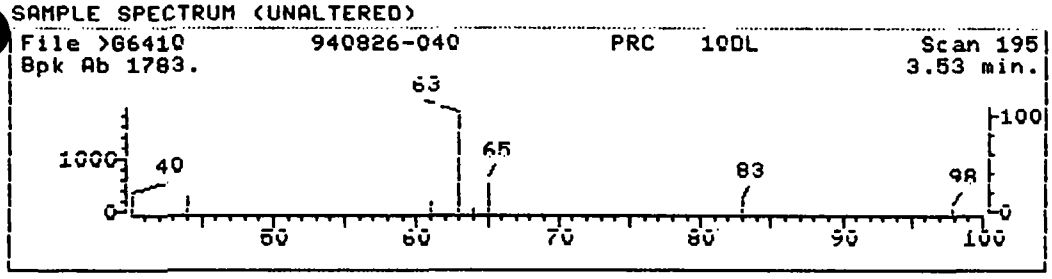
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



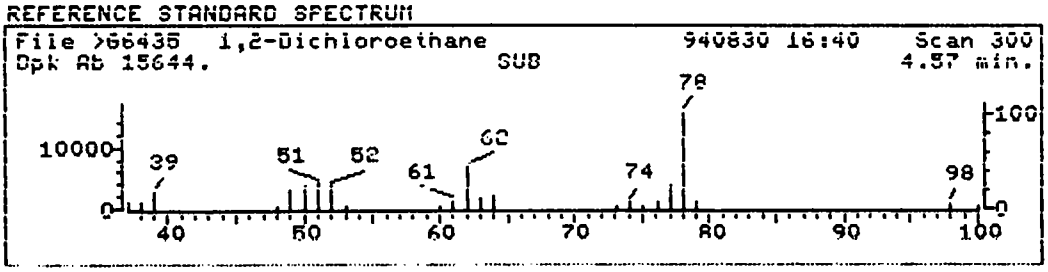
SAMPLE SPECTRUM (UNALTERED)



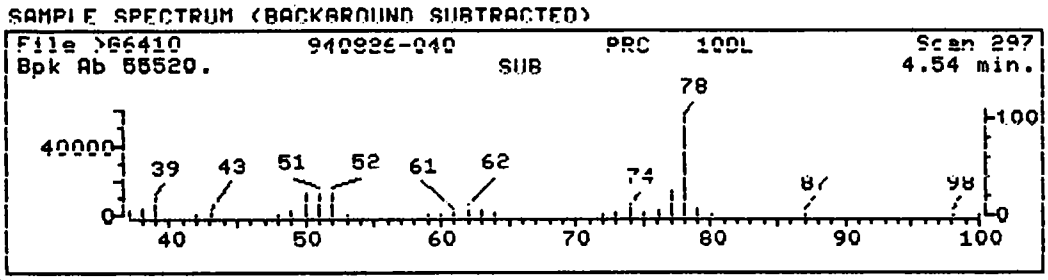
Data File: >G6410::A4 Quant Output File: ^G6410::SC
Name: 940826-040
Misc: PRC 10DL
Quant Time: 940830 11:53 Quant ID File: ID1NW2::A3
Injected at: 940828 03:30 Last Calibration: 940828 01:25

Compound No: 14
Compound Name: 1,1-Dichloroethane
Scan Number: 195
Retention Time: 3.53 min.
Quant Ion: 63.0
Area: 4883
Concentration: 81.12 ug/L
q-value: 90

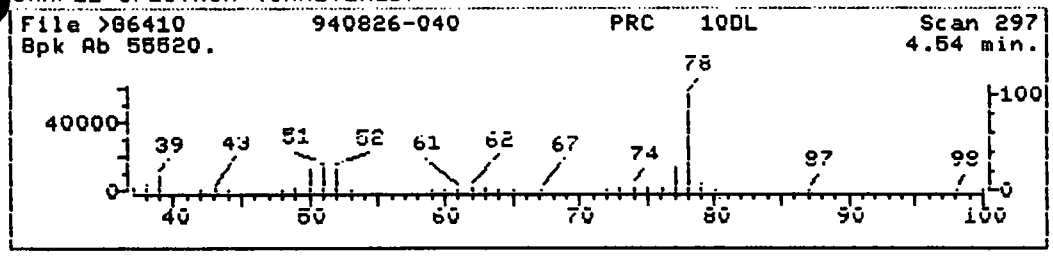
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



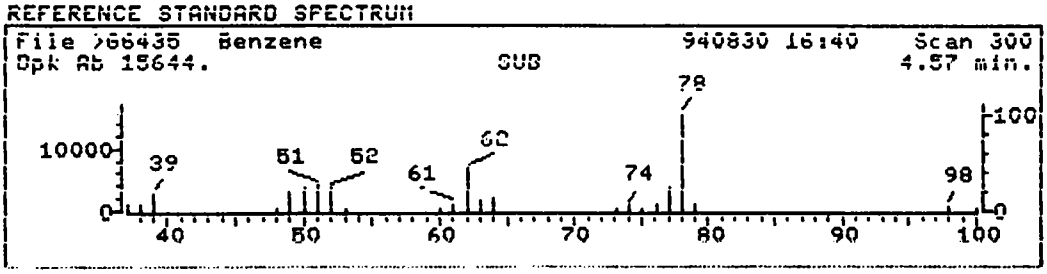
SAMPLE SPECTRUM (UNALTERED)



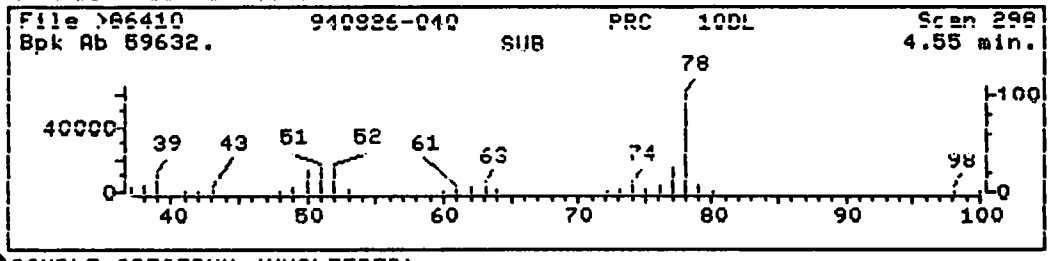
Data File: >G6410::A4
Quant Output File: ^G6410::SC
Name: 940826-040
Misc: PRC 10DL
Quant Time: 940830 11:53
Quant ID File: ID1NW2::A3
Injected at: 940828 03:30
Last Calibration: 940828 01:25

Compound No: 23
Compound Name: 1,2-Dichloroethane
Scan Number: 297
Retention Time: 4.54 min.
Quant Ion: 62.0
Area: 7454
Concentration: 212.11 ug/L
q-value: 95

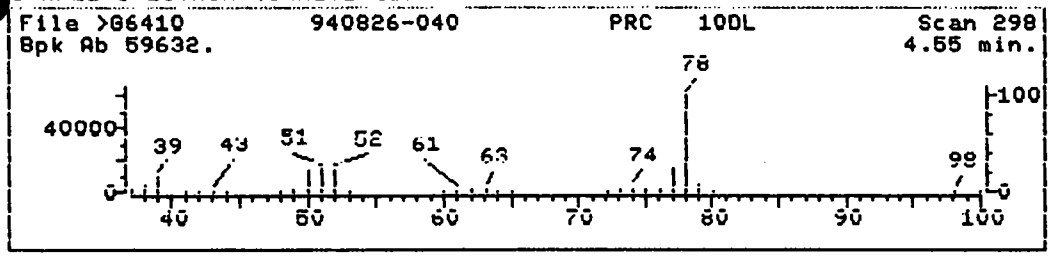
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

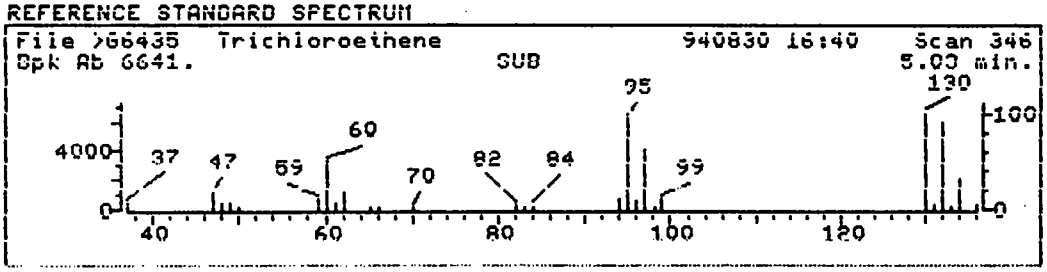


Data File: >G6410::A4
Name: 940826-040
Misc: PRC 10DL
Quant Time: 940830 11:53
Injected at: 940828 03:30

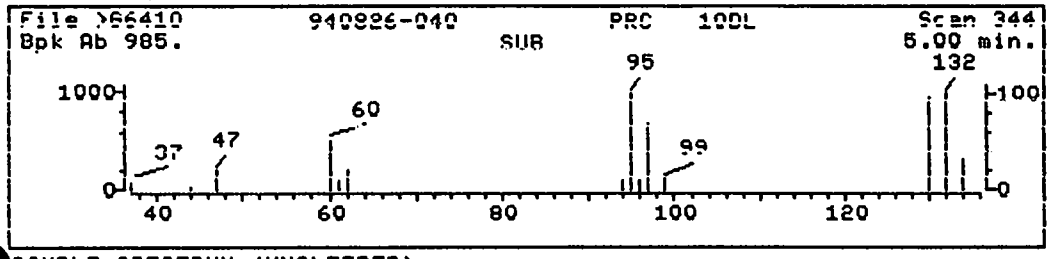
Quant Output File: ^G6410::SC
Quant ID File: ID1NW2::A3
Last Calibration: 940828 01:25

Compound No: 24
Compound Name: Benzene
Scan Number: 298
Retention Time: 4.55 min.
Quant Ion: 78.0
Area: 187569
Concentration: 2246.07 ug/L
q-value: 100

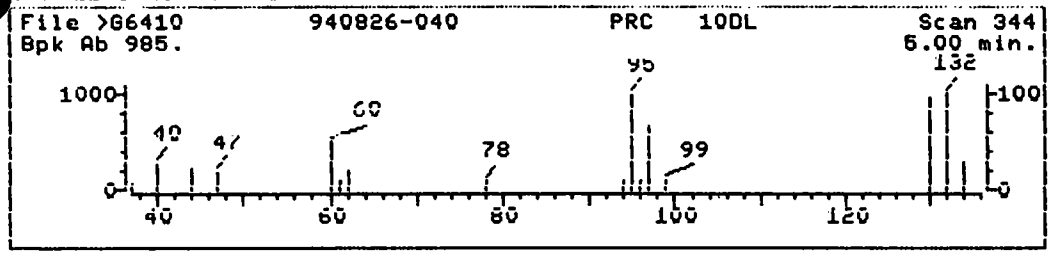
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

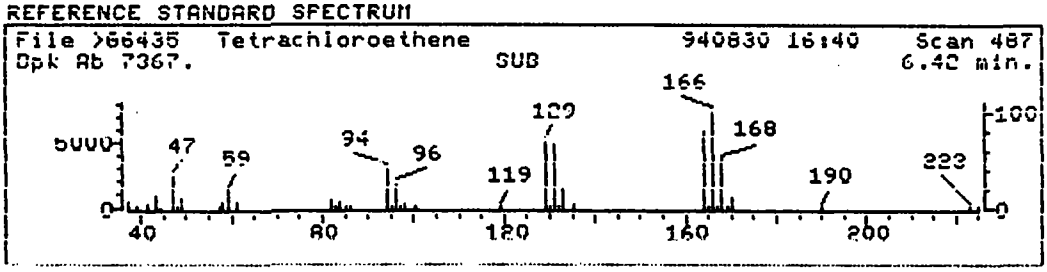


Data File: >G641U::A4
Name: 940826-040
Misc: PRC 10DL
Quant Time: 940830 11:53
Injected at: 940828 03:30

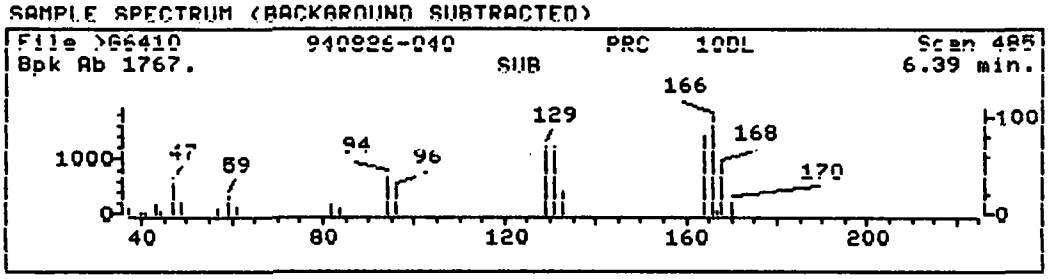
Quant Output File: ^G641U::SC
Quant ID File: 1D1NW2::A3
Last Calibration: 940828 01:25

Compound No: 25
Compound Name: Trichloroethene
Scan Number: 344
Retention Time: 5.00 min.
Quant Ion: 130.0
Area: 2565
Concentration: 29.13 ug/L
q-value: 96

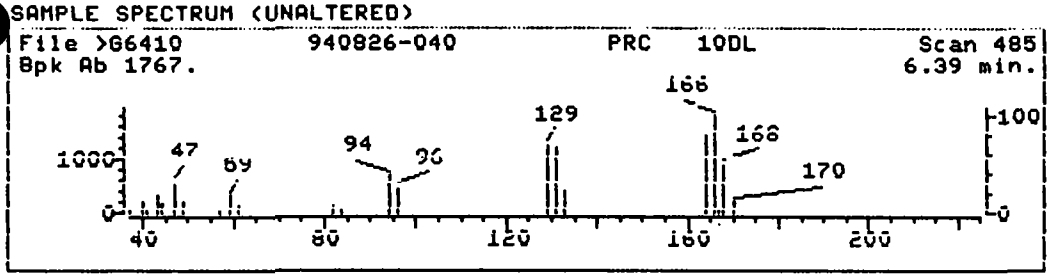
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6410::A4
Quant Output File: ^G6410::SC
Name: 940826-040
Misc: PRC 10DL
Quant Time: 940830 11:53
Quant ID File: ID1NW2::A3
Injected at: 940828 03:30
Last Calibration: 940828 01:25

Compound No: 36
Compound Name: Tetrachloroethene
Scan Number: 485
Retention Time: 6.39 min.
Quant Ion: 164.0
Area: 3863
Concentration: 119.09 ug/L
q-value: 98

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260041
CLIENT ID : SBA-10
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:40

ANALYST: hjp ANALYSIS DATE: 09/09/94 METHOD: 8240
ANALYSIS TIME: 04:20 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	<	DL	125	0.625
Bromoform	<	DL	125	0.625
Carbon tetrachloride	<	DL	125	0.625
Chlorobenzene	<	DL	125	0.625
Chlorodibromomethane	<	DL	125	0.625
Chloroethane	<	DL	125	0.625
2-Chloroethylvinyl ether	<	DL	125	0.625
Chloroform	<	DL	125	0.625
1,2-Dichlorobenzene	<	DL	125	0.625
1,4-Dichlorobenzene	<	DL	125	0.625
1,3-Dichlorobenzene	<	DL	125	0.625
Dichlorobromomethane	<	DL	125	0.625
1,1-Dichloroethane	<	DL	125	0.625
1,2-Dichloroethane	<	DL	125	0.625
1,1-Dichloroethene	<	DL	125	0.625
trans-1,2-Dichloroethene	<	DL	125	0.625
1,2-Dichloropropane	<	DL	125	0.625
1,3-Dichloropropylene	<	DL	125	0.625
trans-1,3-Dichloropropene	<	DL	125	0.625
Ethylbenzene	<	DL	125	0.625
Methyl bromide	<	DL	125	0.625
Methyl chloride	<	DL	125	0.625
Methylene chloride		1.63	125	0.625
1,1,2,2-Tetrachloroethane	<	DL	125	0.625
Tetrachloroethene	<	DL	125	0.625
Toluene	<	DL	125	0.625
1,1,1-Trichloroethane	<	DL	125	0.625
1,1,2-Trichloroethane	<	DL	125	0.625
Trichloroethene	<	DL	125	0.625
Trichlorofluoromethane	<	DL	125	0.625
Vinyl chloride	<	DL	125	0.625
Total Xylene	<	DL	125	0.625

0000543

QUANT REPORT

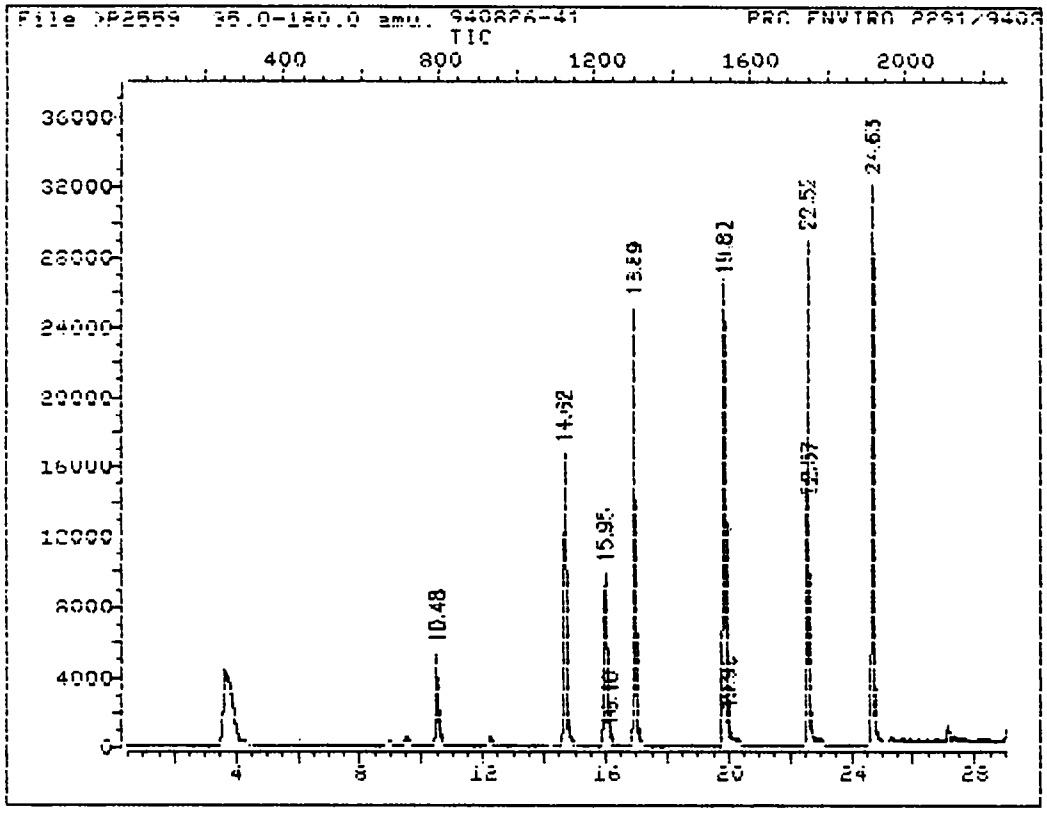
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940909 04:50
Output File: ^P2559::D1 Injected at: 940909 04:20
Data File: >P2559::D2 Dilution Factor: 125.0000
Name: 940826-41
Misc: PRC ENVIRO 2291/9403016/125DL /JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 01:07

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.62	1122	12479	50.00	PPB	71
11)	Methylene chloride	10.48	794	7977	1625.05	PPB	77
20)	*1,4-DIFLUOROBENZENE	16.89	1302	57919	50.00	PPB	92
22)	1,2-DICHLOROETHANE-D4	15.95	1227	22045	6242.46/100	PPB	82
24)	Benzene	16.10	1239	285	28.13	PPB	100
31)	TOLUENE-D8	19.82	1534	50693	6461.66/103	PPB	99
32)	Toluene	19.96	1545	658	62.95	PPB	87
35)	*CHLOROBENZENE-D5	22.52	1748	43788	50.00	PPB	86
40)	Chlorobenzene	22.57	1752	882	115.67	PPB	88
46)	BROMOFLUOROBENZENE	24.63	1915	39907	6781.85/108	PPB	67

* Compound is ISTD

TOTAL ION CHROMATOGRAM



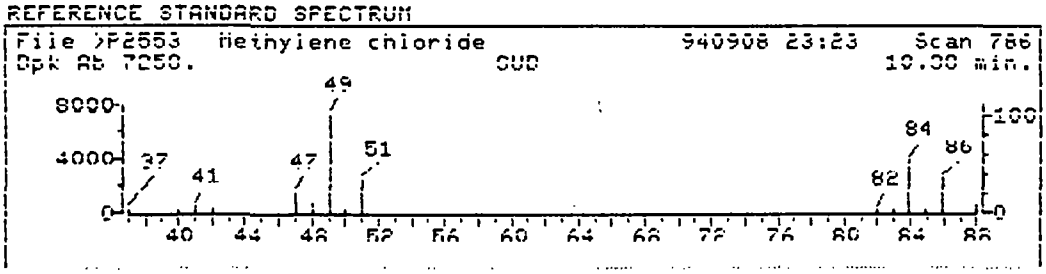
Data File: >P2559::D2 Quant Output File: ^P2559::D1
Name: 940826-41
Misc: PRC ENVIRO 2291/9403016/125DL /JS

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 01:07

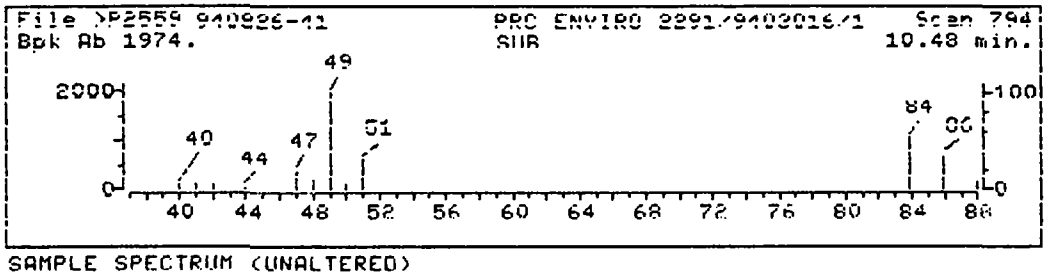
Operator ID: BUBBA
Quant Time: 940909 04:50
Injected at: 940909 04:20

0000545

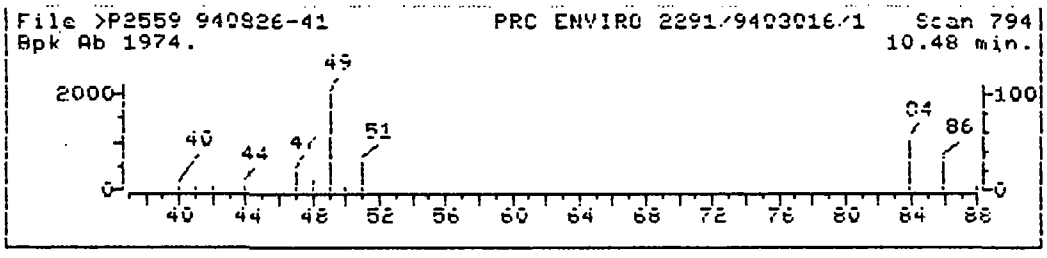
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2559::D2 Quant Output File: ^P2559::D1
Name: 940826-41
Misc: PRC ENVIRO 2291/9403016/125DL /J5
Quant Time: 940909 04:50 Quant ID File: IDCCM1::A3
Injected at: 940909 04:20 Last Calibration: 940909 01:07

Compound No: 11
Compound Name: Methylene chloride
Scan Number: 794
Retention Time: 10.48 min.
Quant Ion: 84.0
Area: 7977
Concentration: 1625.05 PPB
q-value: 77

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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260041
CLIENT ID : SBA-10
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:40

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 07:19
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000547

QUANT REPORT

Operator ID: JULES
Output File: ^G6421::SC
Data File: >G6421::A4
Name: 940826-041
Misc: PCR 10DL

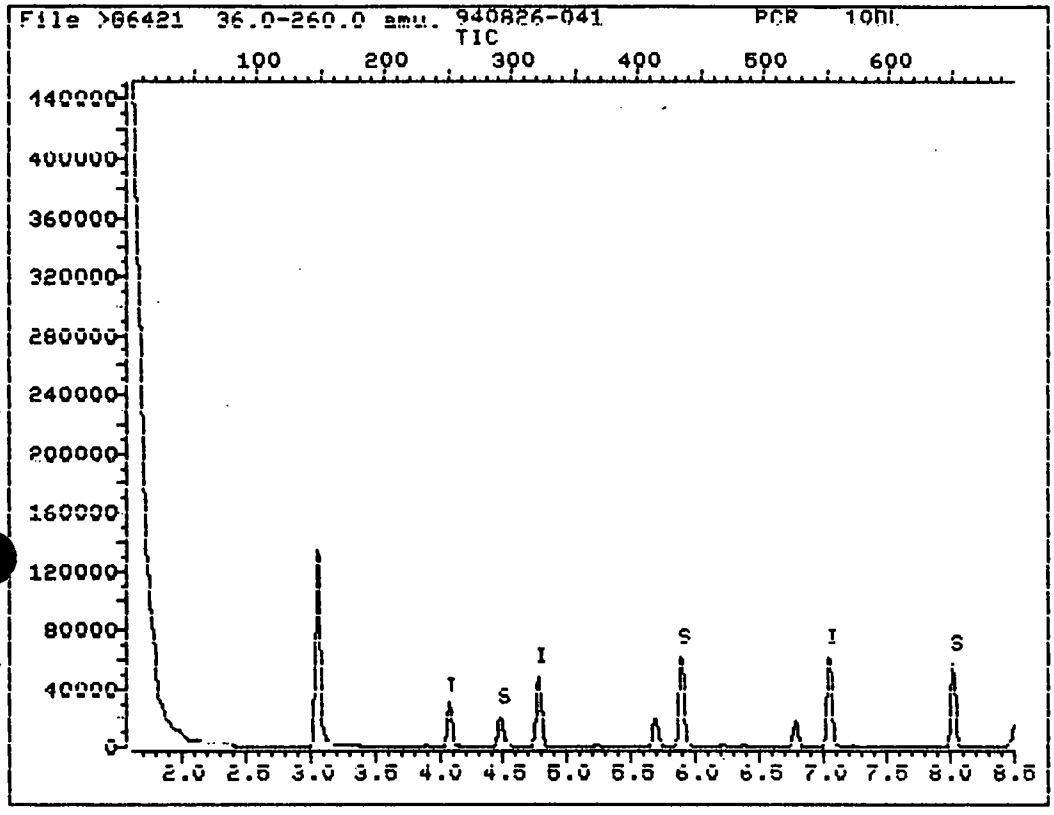
Quant Rev: 6 Quant Time: 940830 13:24
Injected at: 940828 07:19
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.07	250	9625	50.00	ug/L	68
20)	*1,4-DIFLUOROBENZENE	4.77	321	53963	50.00	ug/L	95
22)	1,2-DICHLOROETHANE-D4	4.48	291	19079	528.15	ug/L	89
31)	TOLUENE-D8	5.89	434	57122	546.92	ug/L	96
35)	*CHLOROBENZENE-D5	7.04	551	48465	50.00	ug/L	94
46)	4-BROMOFLUOROBENZENE	8.03	651	31906	493.44	ug/L	90

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >G6421::A4 Quant Output File: ^G6421::SC
Name: 940826-041
Misc: PCR 10DL

Id File: 1D1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 13:24
Injected at: 940828 07:19

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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260048
CLIENT ID : SBA-11
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:05

ANALYST: hjp ANALYSIS DATE: 09/09/94 METHOD: 8240
ANALYSIS TIME: 02:27 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	<	DL	500	2.5
Bromoform	<	DL	500	2.5
Carbon tetrachloride	<	DL	500	2.5
Chlorobenzene	<	DL	500	2.5
Chlorodibromomethane	<	DL	500	2.5
Chloroethane	<	DL	500	2.5
2-Chloroethylvinyl ether	<	DL	500	2.5
Chloroform	<	DL	500	2.5
1,2-Dichlorobenzene	<	DL	500	2.5
1,4-Dichlorobenzene	<	DL	500	2.5
1,3-Dichlorobenzene	<	DL	500	2.5
Dichlorobromomethane	<	DL	500	2.5
1,1-Dichloroethane	<	DL	500	2.5
1,2-Dichloroethane	<	DL	500	2.5
1,1-Dichloroethene	<	DL	500	2.5
trans-1,2-Dichloroethene	<	DL	500	2.5
1,2-Dichloropropane	<	DL	500	2.5
1,3-Dichloropropylene	<	DL	500	2.5
trans-1,3-Dichloropropene	<	DL	500	2.5
Ethylbenzene	<	DL	500	2.5
Methyl bromide	<	DL	500	2.5
Methyl chloride	<	DL	500	2.5
Methylene chloride		8.25	500	2.5
1,1,2,2-Tetrachloroethane	<	DL	500	2.5
Tetrachloroethene	<	DL	500	2.5
Toluene	<	DL	500	2.5
1,1,1-Trichloroethane	<	DL	500	2.5
1,1,2-Trichloroethane	<	DL	500	2.5
Trichloroethene	<	DL	500	2.5
Trichlorofluoromethane	<	DL	500	2.5
Vinyl chloride	<	DL	500	2.5
Total Xylene	<	DL	500	2.5

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940909 02:57
Output File: ^P2557::D1 Injected at: 940909 02:27
Data File: >P2557::D2 Dilution Factor: 500.0000
Name: 940826-48
Misc: PRC ENVIRO 2291/940301G/500DL/JS

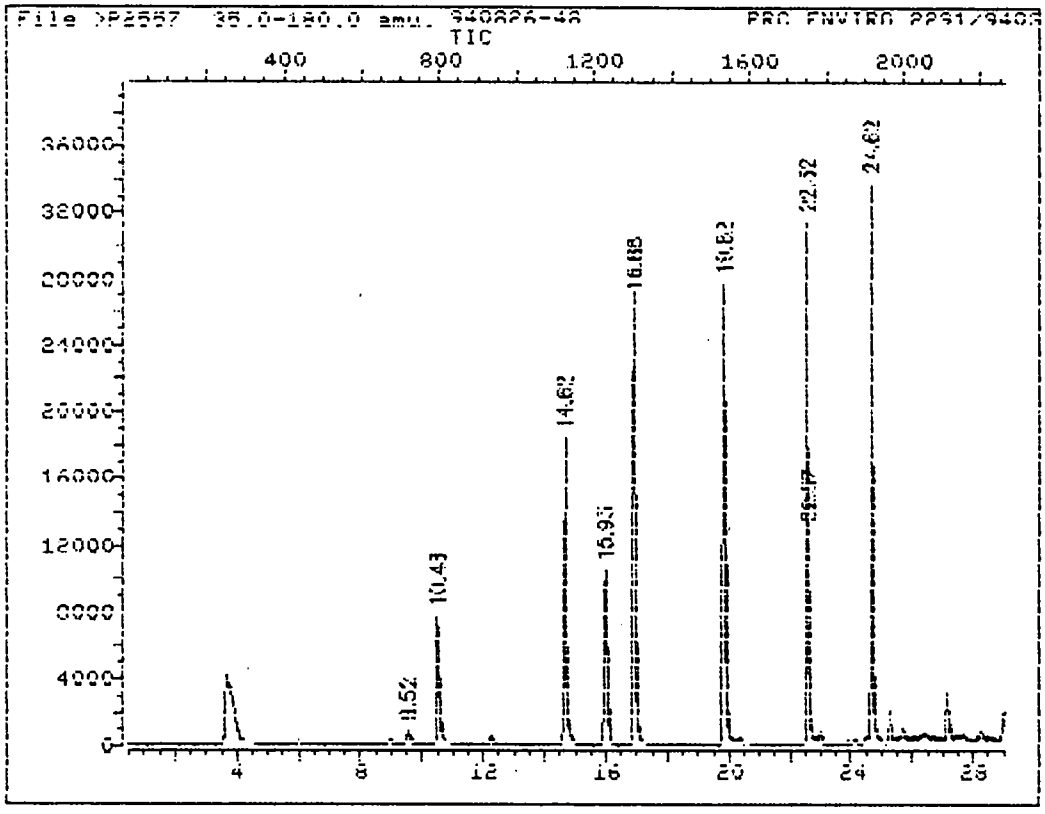
ID File: IDCOM1::B3
Title: VOA IDFILE
Last Calibration: 940909 01:07

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.62	1122	13756	50.00	PPB	74
9)	Carbon disulfide	9.52	718	3729	1329.52	PPB	97
11)	Methylene chloride	10.48	794	11159	8248.97	PPB	76
20)	*1,4-DIFLUOROBENZENE	16.88	1301	63402	50.00	PPB	90
22)	1,2-DICHLOROETHANE-D4	15.93	1226	22718	23506.82 94	PPB	78
31)	TOLUENE-D8	19.82	1534	52055	24245.82 97	PPB	98
35)	*CHLOROBENZENE-D5	22.52	1748	47862	50.00	PPB	92
40)	Chlorobenzene	22.57	1752	856	410.82	PPB	97
46)	BROMOFLUOROBENZENE	24.62	1915	41508	25814.00 103	PPB	70

* Compound is ISTD

0000551

TOTAL ION CHROMATOGRAM



Data File: >P2557::D2 Quant Output File: ^P2557::D1
Name: 940826-48
Misc: PRC ENVIRO 2291/9403016/500DL/JS

Id File: IDCCW1::A5
Title: VOA IDFILE
Last Calibration: 940909 01:07

Operator ID: BUBBA
Quant Time: 940909 02:57
Injected at: 940909 02:27

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260048
CLIENT ID : SBA-11
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:05

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 02:25
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.34	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	0.07	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

QUANT REPORT

Operator ID: JULES
Output File: ^G6407::SC
Data File: >G6407::A4
Name: 940826-048
Misc: PRC 10DL

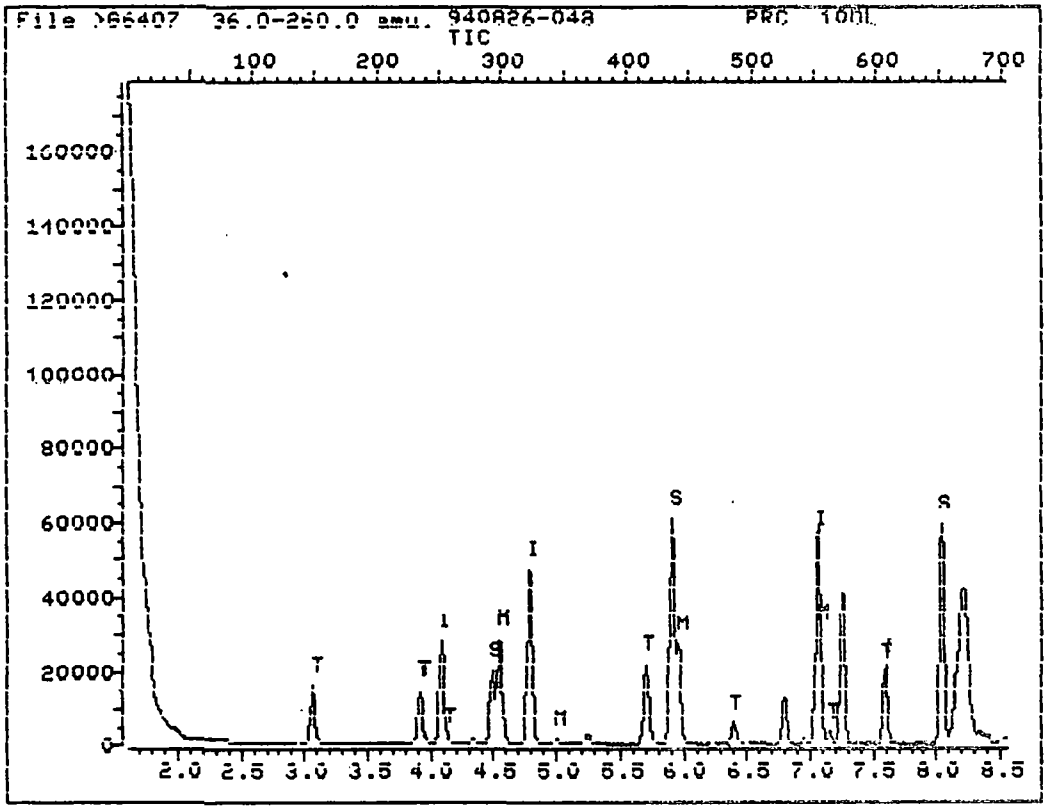
Quant Rev: 6 Quant Time: 940830 11:18
Injected at: 940828 02:25
Dilution Factor: 10.00000

ID File: ID1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	~~9765~~	50.00	ug/L	81
11)	Methylene chloride	3.06	148	7122	430.90 NT	ug/L	83
12)	t-1,2-Dichloroethene	3.91	234	8048	415.70 NT	ug/L	72
16)	cis-1,2-Dichloroethene	3.92	235	13137	243.99 NT	ug/L	91
18)	Chloroform	4.13	256	172	~~2.26~~	ug/L	86
20)	*1,4-DIFLUOROBENZENE	4.78	322	53913	50.000	ug/L	98
22)	1,2-DICHLOROETHANE-D4	4.49	292	18697	518.05	ug/L	87
24)	Benzene	4.54	298	29175	336.66	ug/L	100
25)	Trichloroethene	5.00	344	763	~~22.68~~	ug/L	97
30)	4-Methyl-2-pentanone	5.70	415	16627	NT ~~562.29~~	ug/L	49
31)	TOLUENE-D8	5.91	436	56928	545.57	ug/L	95
32)	Toluene	5.96	441	24752	NT ~~237.89~~	ug/L	95
35)	*CHLOROBENZENE-D5	7.05	552	46322	50.00	ug/L	94
36)	Tetrachloroethene	6.39	485	2170	68.62	ug/L	96
38)	2-Hexanone	5.70	415	16627	836.64	ug/L	40
40)	Chlorobenzene	7.08	555	1680	~~21.20~~	ug/L	95
41)	Ethyl benzene	7.16	563	999	~~27.43~~	ug/L	99
42)	p,m-Xylene	7.16	563	999	~~13.29~~	ug/L	96
43)	o-Xylene	7.59	606	6720	~~185.07~~	ug/L	95
44)	Styrene	7.60	607	3152	~~84.85~~	ug/L	69
46)	4-BROMOFLUOROBENZENE	8.04	652	32421	524.54	ug/L	98

* Compound is ISTD

TOTAL ION CHROMATOGRAM

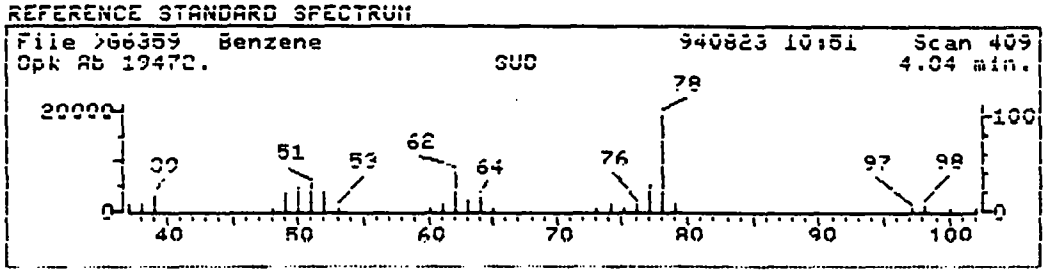


Data File: >G6407::A4 Quant Output File: ^G6407::SC
Name: 940826-048
Misc: PRC 10DL

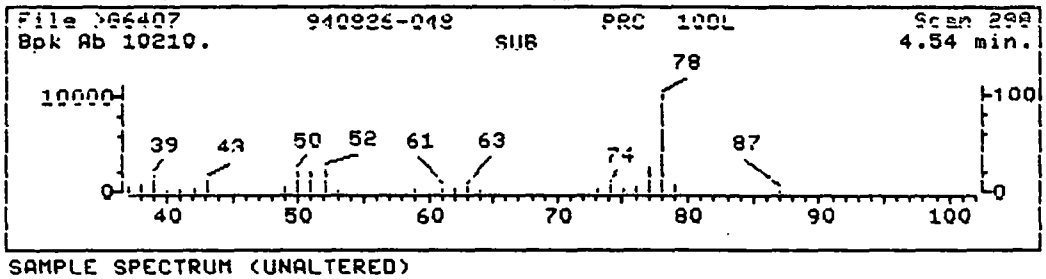
Id File: 1D1NW2::A3
Title: VOA 1DFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 11:18
Injected at: 940828 02:25

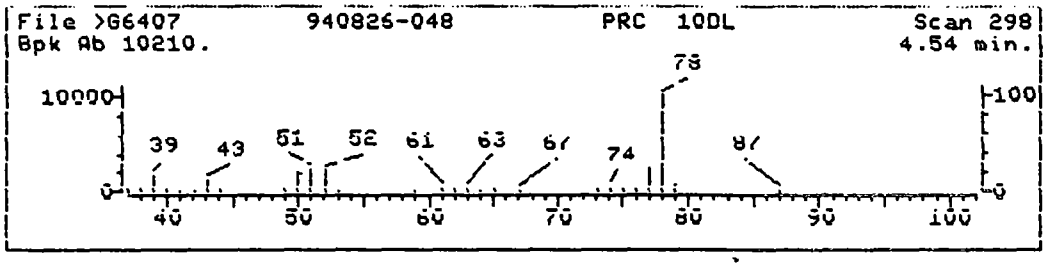
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6407::A4
Name: 940826-048
Misc: PRC 10DL
Quant Time: 940830 11:18
Injected at: 940828 02:25

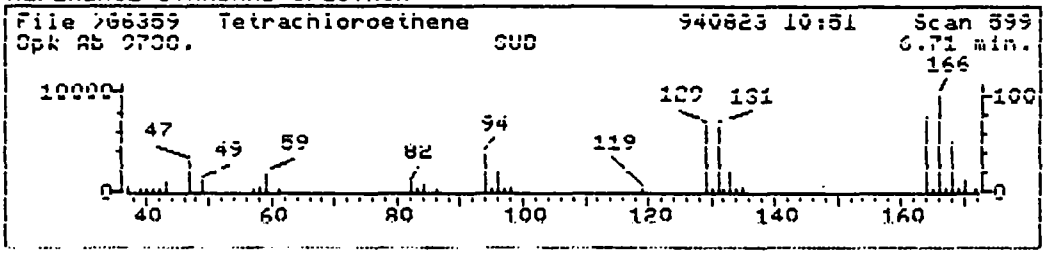
Quant Output File: ^G6407::SC

Quant ID File: IDINW2::A3
Last Calibration: 940828 01:25

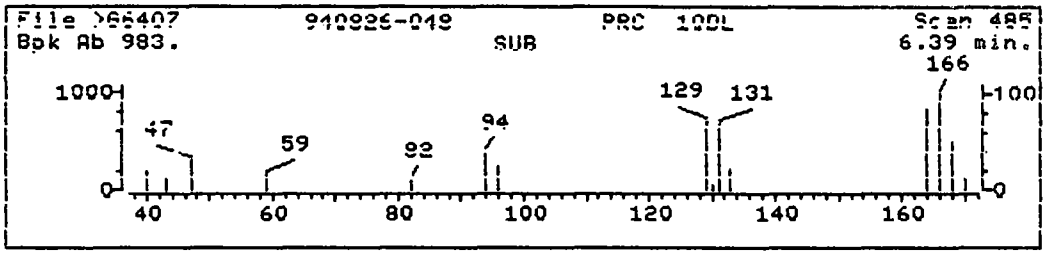
Compound No: 24
Compound Name: Benzene
Scan Number: 298
Retention Time: 4.54 min.
Quant Ion: 78.0
Area: 29175
Concentration: 336.66 ug/L
q-value: 100

✓ OK CAS 08-31-94

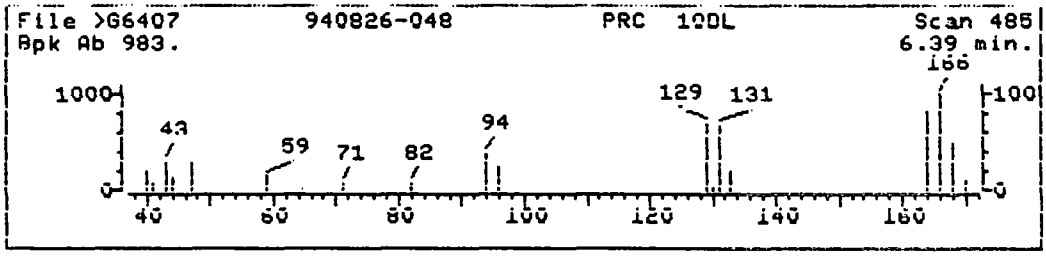
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6407::A4 Quant Output File: ^G6407::SC
Name: 940826-048
Misc: PRC 10DL
Quant Time: 940830 11:18 Quant ID File: ID1NW2::A3
Injected at: 940828 02:25 Last Calibration: 940828 01:25

Compound No: 36
Compound Name: Tetrachloroethene
Scan Number: 485
Retention Time: 6.39 min.
Quant Ion: 164.0
Area: 2170
Concentration: 68.62 ug/L
q-value: 96

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260049
CLIENT ID : SBA-12
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:12

ANALYST: hjp ANALYSIS DATE: 09/09/94 METHOD: 8240
ANALYSIS TIME: 04:55 PREP REQ : N PREP DATE :

PARAMETER	RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	< DL	125	0.625
Bromoform	< DL	125	0.625
Carbon tetrachloride	< DL	125	0.625
Chlorobenzene	< DL	125	0.625
Chlorodibromomethane	< DL	125	0.625
Chloroethane	< DL	125	0.625
2-Chloroethylvinyl ether	< DL	125	0.625
Chloroform	< DL	125	0.625
1,2-Dichlorobenzene	< DL	125	0.625
1,4-Dichlorobenzene	< DL	125	0.625
1,3-Dichlorobenzene	< DL	125	0.625
Dichlorobromomethane	< DL	125	0.625
1,1-Dichloroethane	< DL	125	0.625
1,2-Dichloroethane	< DL	125	0.625
1,1-Dichloroethene	< DL	125	0.625
trans-1,2-Dichloroethene	< DL	125	0.625
1,2-Dichloropropane	< DL	125	0.625
1,3-Dichloropropylene	< DL	125	0.625
trans-1,3-Dichloropropene	< DL	125	0.625
Ethylbenzene	< DL	125	0.625
Methyl bromide	< DL	125	0.625
Methyl chloride	< DL	125	0.625
Methylene chloride	1.67	125	0.625
1,1,2,2-Tetrachloroethane	< DL	125	0.625
Tetrachloroethene	< DL	125	0.625
Toluene	< DL	125	0.625
1,1,1-Trichloroethane	< DL	125	0.625
1,1,2-Trichloroethane	< DL	125	0.625
Trichloroethene	< DL	125	0.625
Trichlorofluoromethane	< DL	125	0.625
Vinyl chloride	< DL	125	0.625
Total Xylene	< DL	125	0.625

0000558

QUANT REPORT

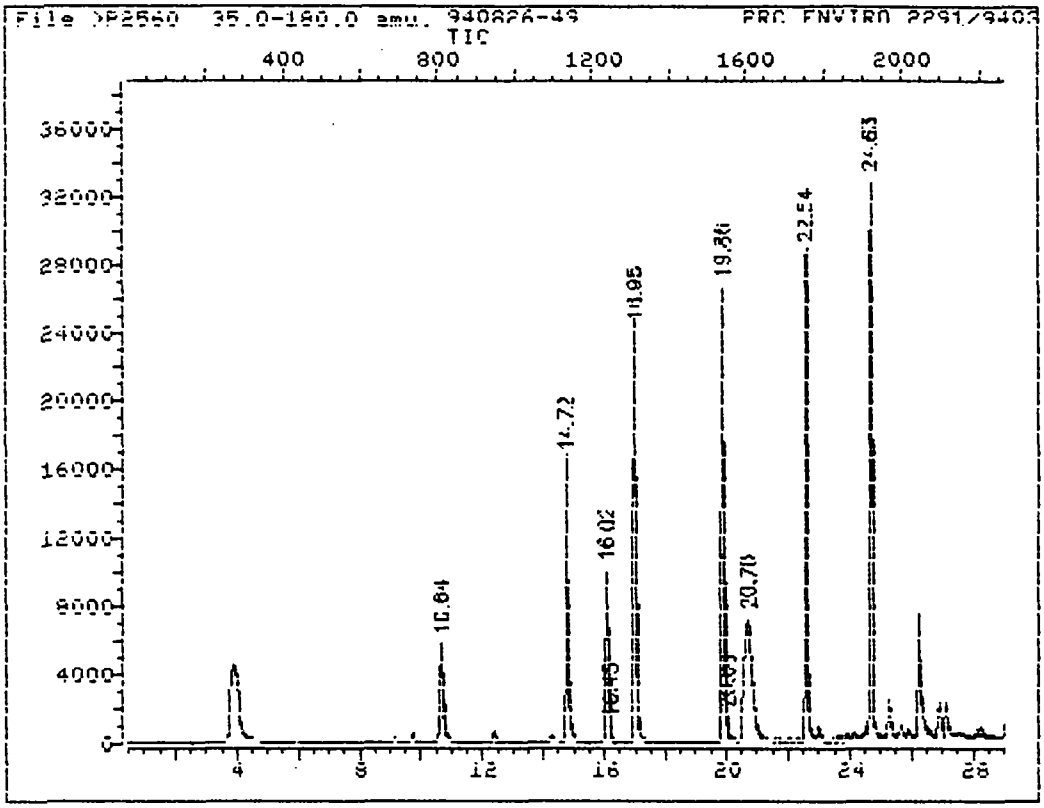
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940909 05:25
Output File: ^P2560::D1 Injected at: 940909 04:55
Data File: >P2560::D2 Dilution Factor: 125.0000
Name: 940826-49
Misc: PRC ENVIRO 2291/9403016/125DL /JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 01:07

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.72	1130	12566	50.00	PPB	76
11)	Methylene chloride	10.64	807	8250	1669.03	PPB	79
20)	*1,4-DIFLUOROBENZENE	16.95	1307	57213	50.00	PPB	89
22)	1,2-DICHLOROETHANE-D4	16.02	1233	21575	6184.76 99	PPB	83
24)	Benzene	16.15	1244	114	11.35	PPB	100
31)	TOLUENE-D8	19.86	1538	49557	6394.81 102	PPB	94
32)	Toluene	20.00	1549	737	71.38	PPB	95
33)	t-1,3-Dichloropropene	20.70	1604	3266	283.39 110	PPB	25
35)	*CHLOROBENZENE-D5	22.54	1750	44111	50.00	PPB	89
46)	BROMOFLUOROBENZENE	24.63	1916	39832	6719.54 108	PPB	70

* Compound is ISTD

TOTAL ION CHROMATOGRAM

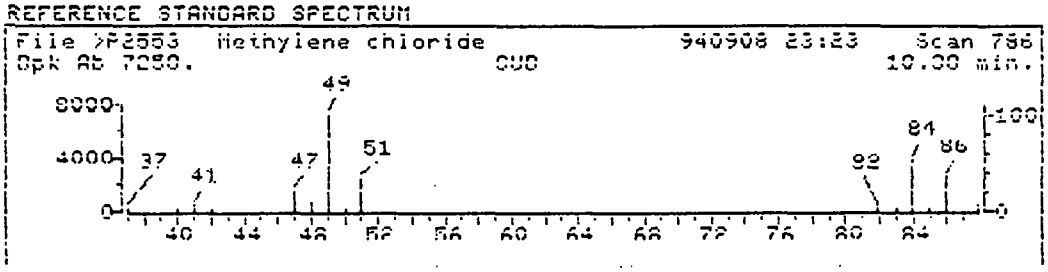


Data File: >P2560::D2 Quant Output File: ^P2560::D1
Name: 940826-49
Misc: PRC ENVIRO 2291/9403016/125DL /J5

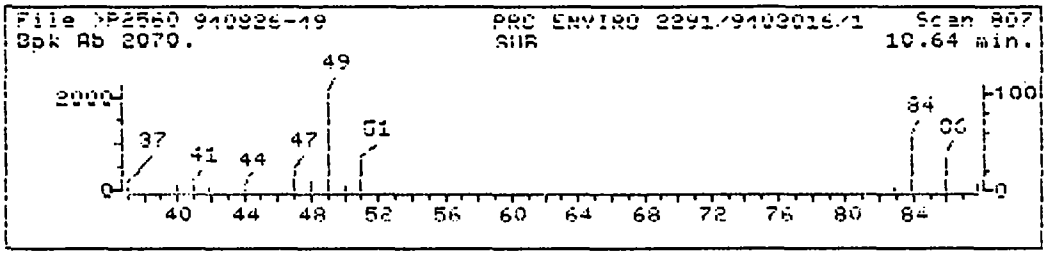
Id File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940909 01:07

Operator ID: BUBBA
Quant Time: 940909 05:25
Injected at: 940909 04:55

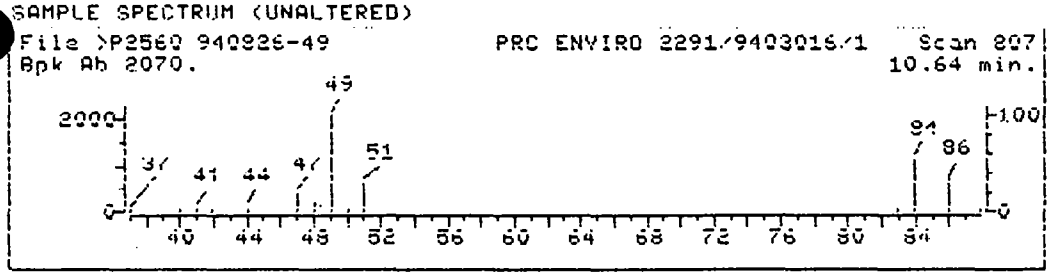
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2560::D2 Quant Output File: ^P2560::D1
Name: 940826-49
Misc: PRC ENVIRO 2291/9403016/125DL /J5
Quant Time: 940909 05:25 Quant ID File: IDCOM1::A5
Injected at: 940909 04:55 Last Calibration: 940909 01:07

Compound No: 11
Compound Name: Methylene chloride
Scan Number: 807
Retention Time: 10.64 min.
Quant Ion: 84.0
Area: 8250
Concentration: 1669.03 PPB
q-value: 79

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260049
CLIENT ID : SBA-12
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:12

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 05:36
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000562

QUANT REPORT

Operator ID: JULES
Output File: ^G6416::SC
Data File: >G6416::A4
Name: 940826-~~845~~ 49
Misc: PCR 1UDL 488

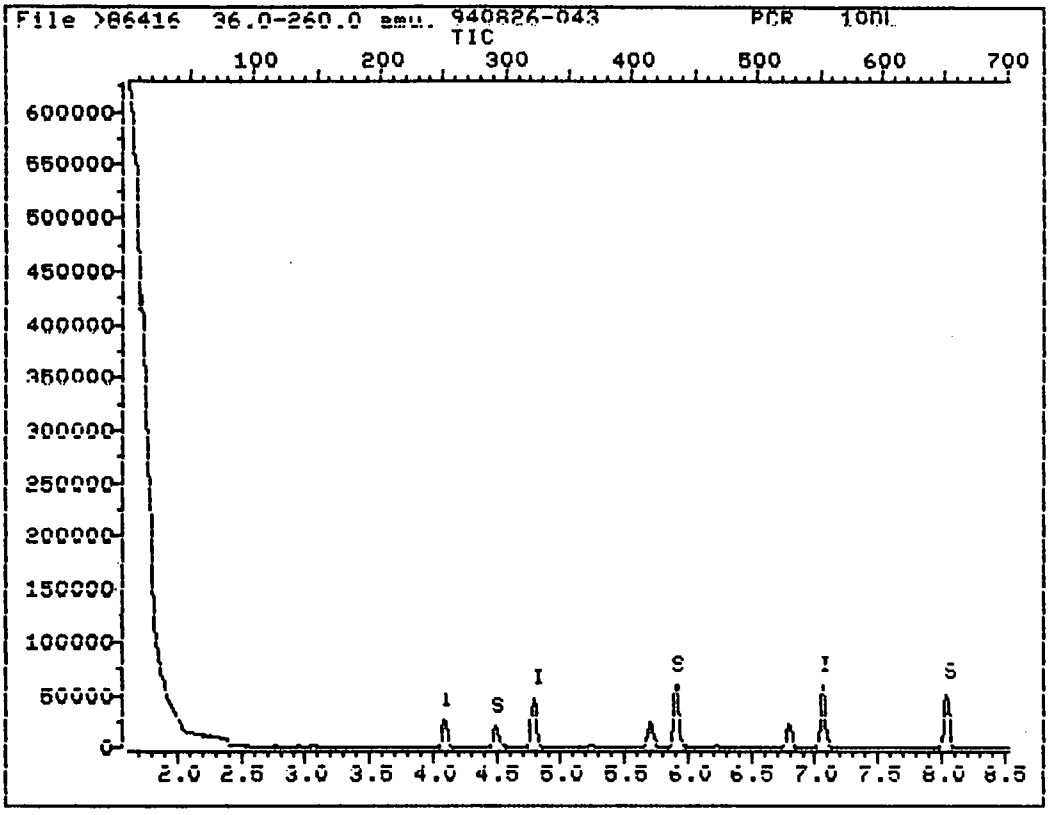
Quant Rev: 6 Quant Time: 940830 12:11
Injected at: 940828 05:36
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9186	50.00	ug/L	77
20)	*1,4-DIFLUOROBENZENE	4.79	323	50821	50.00	ug/L	93
22)	1,2-DICHLOROETHANE-D4	4.49	292	18647	548.10	ug/L	88
31)	TOLUENE-D8	5.90	435	56203	571.39	ug/L	93
35)	*CHLOROBENZENE-D5	7.05	552	46738	50.00	ug/L	93
46)	4-BROMOFLUOROBENZENE	8.04	652	30583	490.45	ug/L	90

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >G6416::A4 Quant Output File: ^G6416::SC
Name: 940826-~~043~~ 49
Misc: PCR 10DL ~~48~~

Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 12:11
Injected at: 940828 05:36

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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260050
CLIENT ID : SBA-13
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: hjp ANALYSIS DATE: 09/12/94 METHOD: 8240
ANALYSIS TIME: 12:17 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	<	DL	2500	12.5
Bromoform	<	DL	2500	12.5
Carbon tetrachloride	<	DL	2500	12.5
Chlorobenzene	<	DL	2500	12.5
Chlorodibromomethane	<	DL	2500	12.5
Chloroethane	<	DL	2500	12.5
2-Chloroethylvinyl ether	<	DL	2500	12.5
Chloroform	<	DL	2500	12.5
1,2-Dichlorobenzene	<	DL	2500	12.5
1,4-Dichlorobenzene	<	DL	2500	12.5
1,3-Dichlorobenzene	<	DL	2500	12.5
Dichlorobromomethane	<	DL	2500	12.5
1,1-Dichloroethane	<	DL	2500	12.5
1,2-Dichloroethane	<	DL	2500	12.5
1,1-Dichloroethene	<	DL	2500	12.5
trans-1,2-Dichloroethene	<	DL	2500	12.5
1,2-Dichloropropane	<	DL	2500	12.5
1,3-Dichloropropylene	<	DL	2500	12.5
trans-1,3-Dichloropropene	<	DL	2500	12.5
Ethylbenzene	<	DL	2500	12.5
Methyl bromide	<	DL	2500	12.5
Methyl chloride	<	DL	2500	12.5
Methylene chloride		309	2500	12.5
1,1,2,2-Tetrachloroethane	<	DL	2500	12.5
Tetrachloroethene	<	DL	2500	12.5
Toluene	<	DL	2500	12.5
1,1,1-Trichloroethane	<	DL	2500	12.5
1,1,2-Trichloroethane	<	DL	2500	12.5
Trichloroethene	<	DL	2500	12.5
Trichlorofluoromethane	<	DL	2500	12.5
Vinyl chloride	<	DL	2500	12.5
Total Xylene	<	DL	2500	12.5

0000565

QUANT REPORT

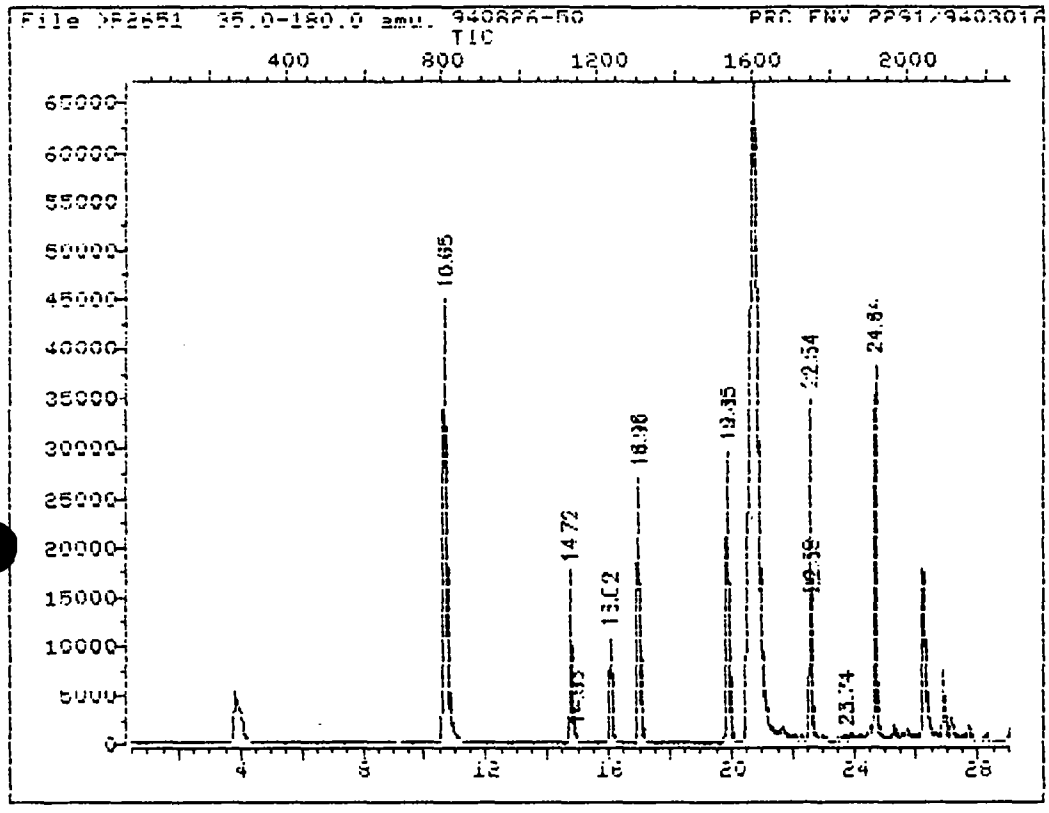
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940912 12:47
Output File: ^P2651::D1 Injected at: 940912 12:17
Data File: >P2651::D1 Dilution Factor: 2500.000
Name: 940826-50
Misc: PRC ENV 2291/940301G/2500DL/J5

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940912 10:00

	Compound	R.T.	Scan#	Area	Conc		Units	q
1)	*BROMOCHLOROMETHANE	14.72	1130	13118	50.00		PPB	6
11)	Methylene chloride	10.65	808	66860	309162.1		PPB	7
18)	Chloroform	14.93	1147	431	1133.43		PPB	9
20)	*1,4-DIFLUOROBENZENE	16.96	1308	62398	50.00		PPB	8
22)	1,2-DICHLOROETHANE-D4	16.02	1233	23063	113091.8	90	PPB	8
31)	TOLUENE-D8	19.85	1537	54870	112634.9	90	PPB	9
35)	*CHLOROBENZENE-D5	22.54	1750	52280	50.00		PPB	9
40)	Chlorobenzene	22.59	1754	844	2033.80		PPB	9
44)	Styrene	23.74	1845	360	845.48		PPB	9
46)	BROMOFLUOROBENZENE	24.64	1916	46406	112722.0	90	PPB	7

* Compound is ISTD

TOTAL ION CHROMATOGRAM

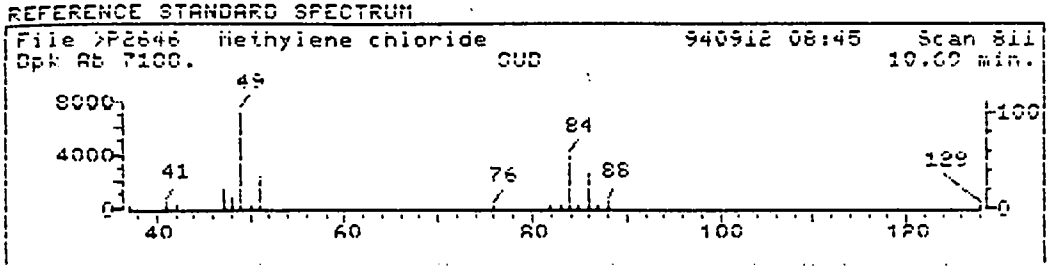


Data File: >P2651::D1 Quant Output File: ^P2651::D1
Name: 940826-50
Misc: PRC ENV 2291/9403016/2500DL/JS

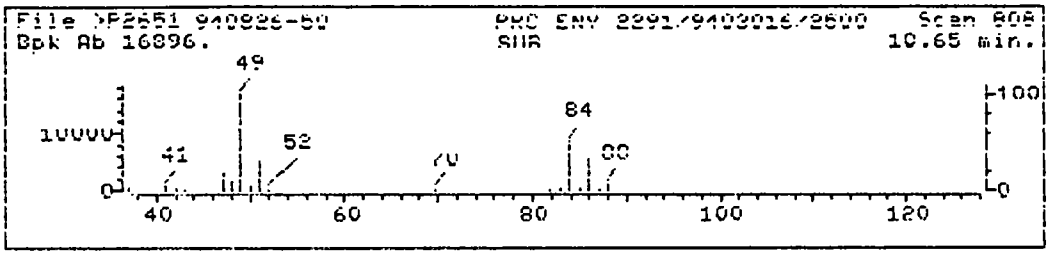
Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940912 10:00

Operator ID: BUBBA
Quant Time: 940912 12:47
Injected at: 940912 12:17

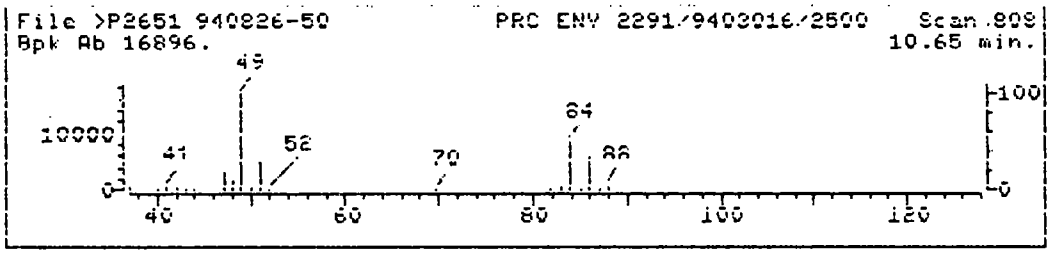
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2651::D1 Quant Output File: ^P2651::D1
Name: 940826-50
Misc: PRC ENV 2291/9403016/2500DL/JS
Quant Time: 940912 12:47 Quant ID File: IDCCW1::A3
Injected at: 940912 12:17 Last Calibration: 940912 10:00

Compound No: 11
Compound Name: Methylene chloride
Scan Number: 808
Retention Time: 10.65 min.
Quant Ion: 84.0
Area: 66860
Concentration: 309162.1 PPB
q-value: 76

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260050
CLIENT ID : SBA-13
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 05:56
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

QUANT REPORT

Operator ID: JULES
Output File: ^G6417::SC
Data File: >G6417::A4
Name: 940826-050
Misc: PCR 10DL

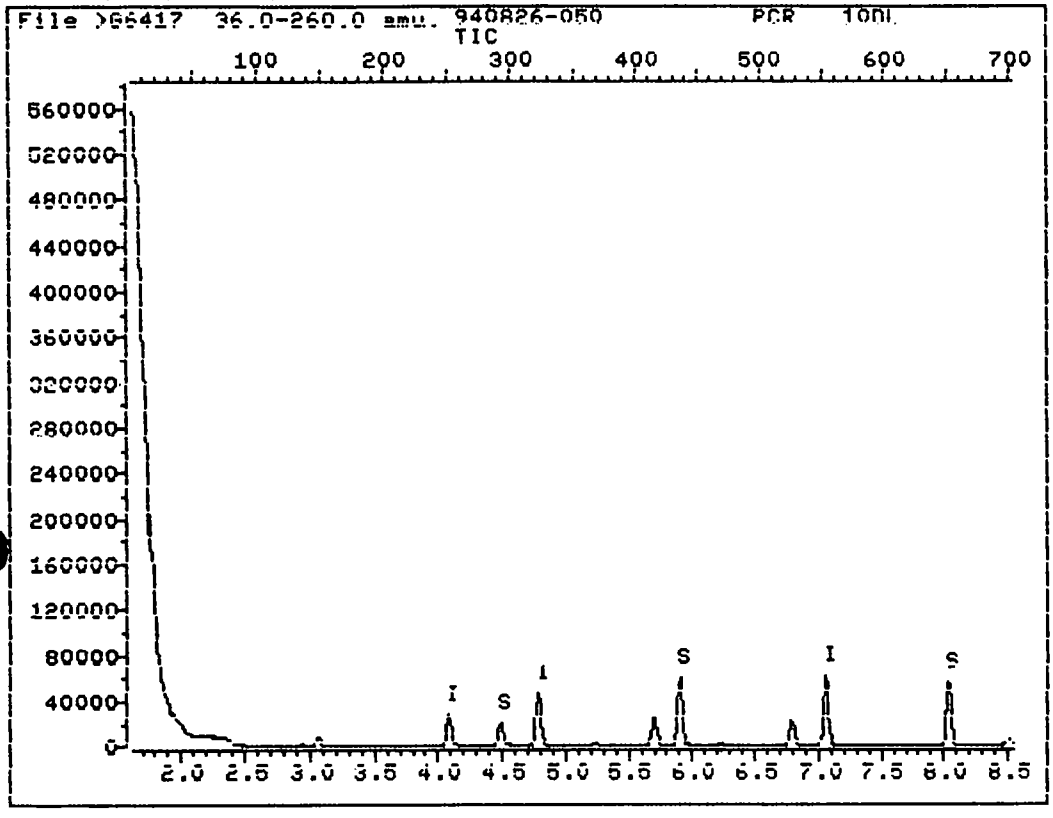
Quant Rev: 6 Quant Time: 940830 12:13
Injected at: 940828 05:56
Dilution Factor: 10.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.08	251	9128	50.00	ug/L	80
20)	*1,4-DIFLUOROBENZENE	4.79	322	51835	50.00	ug/L	89
22)	1,2-DICHLOROETHANE-D4	4.49	292	18768	540.87	ug/L	88
31)	TOLUENE-D8	5.90	435	55944	557.63	ug/L	97
35)	*CHLOROBENZENE-D5	7.06	552	47125	50.00	ug/L	94
46)	4-BROMOFLUOROBENZENE	8.03	651	31370	498.94	ug/L	99

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >G6417::A4 Quant Output File: ^G6417::SC
Name: 940826-050
Misc: PCR 100L

Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940830 12:13
Injected at: 940828 05:56

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260053
CLIENT ID : SBA-14
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:50

ANALYST: hjp ANALYSIS DATE: 09/09/94 METHOD: 8240
ANALYSIS TIME: 06:05 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	<	DL	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene	<	DL	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride		7.73	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene		109	1250	6.25
Toluene	<	DL	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene		36.6	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene	<	DL	1250	6.25

0000572

Data File: /wplcsdisk2/hp72a.i/090394.b/a1437.d

Date : 04-SEP-1994 00:14

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-32

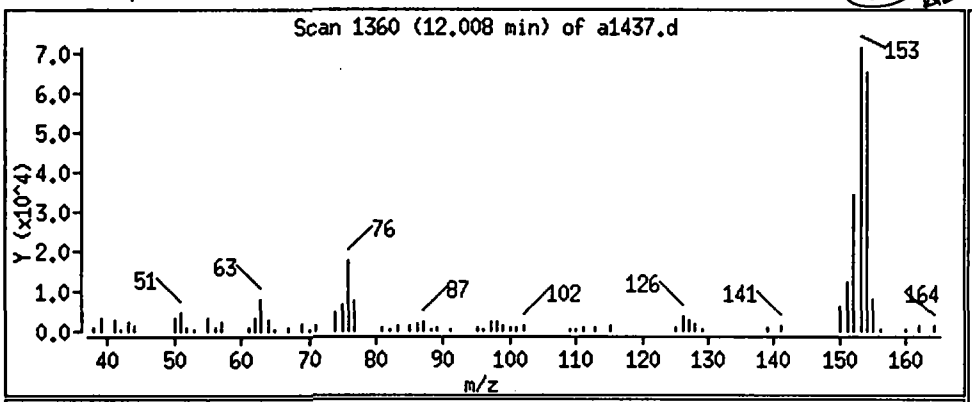
Volume Injected (uL): 1.0

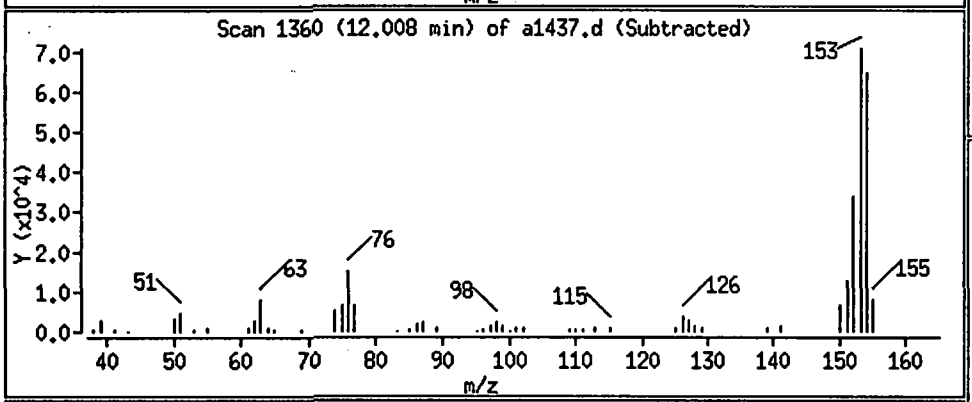
Operator:

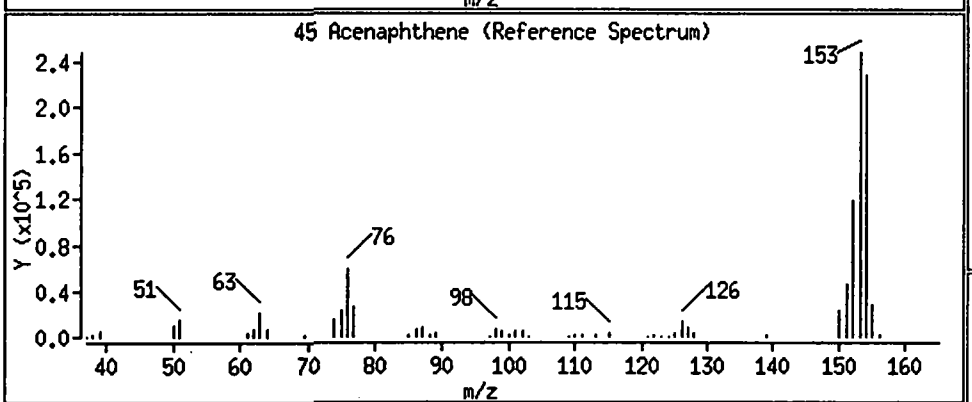
Column phase: hp-5MS

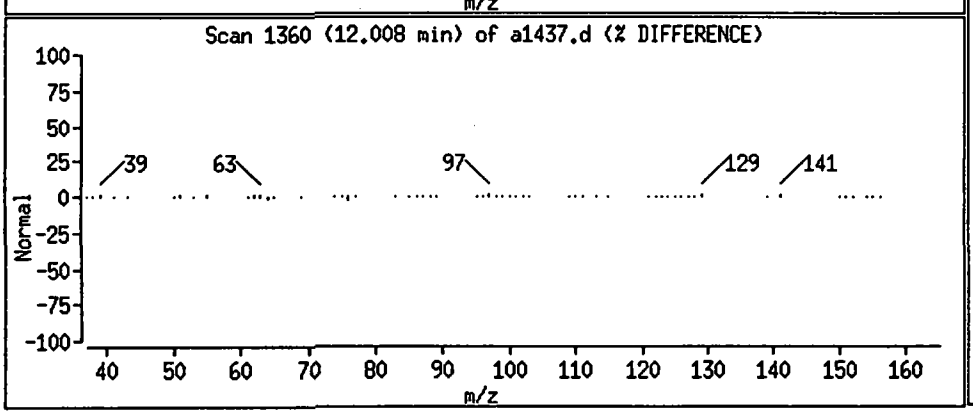
Column diameter: 0.25

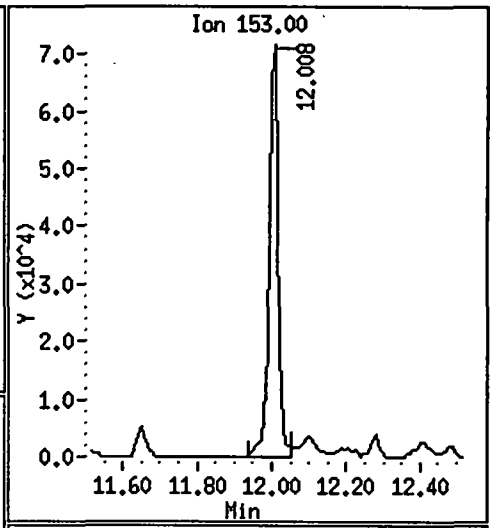
45 Acenaphthene

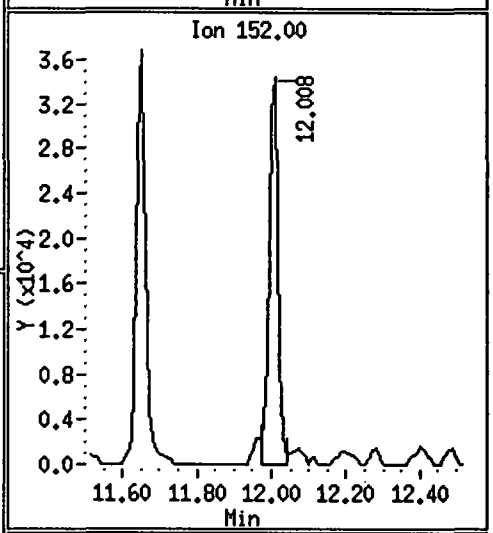


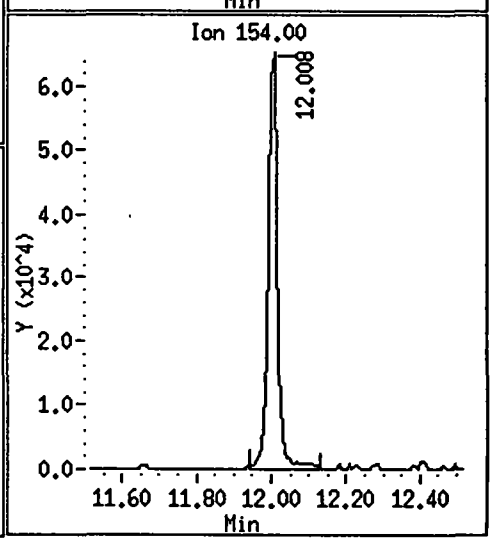












Data File: /uplcsdisk2/hp72a.i/090394.b/a1437.d

Date : 04-SEP-1994 00:14

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-32

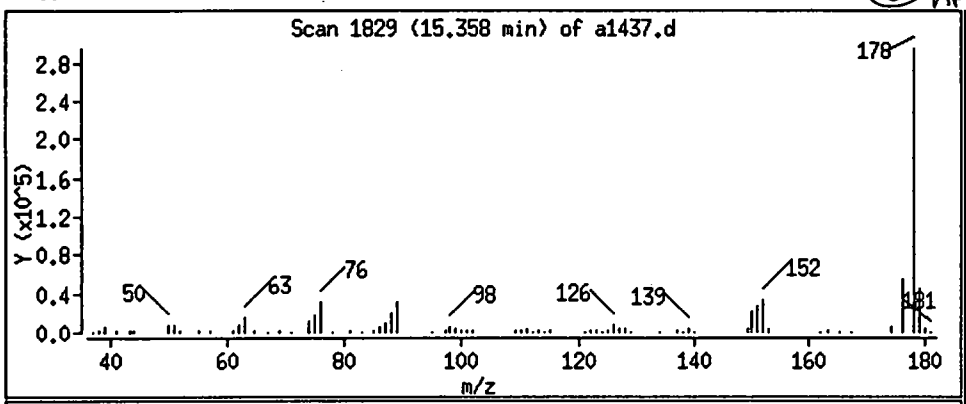
Volume Injected (uL): 1.0

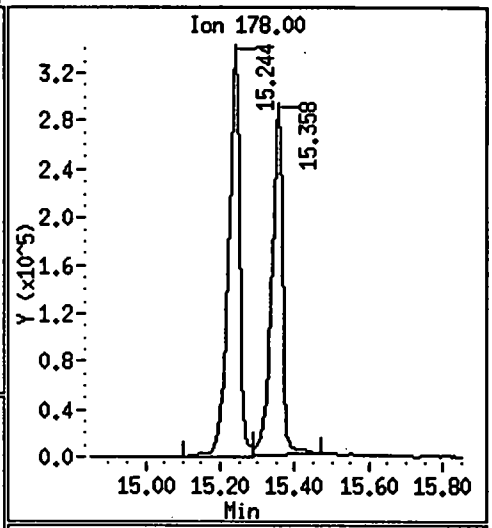
Operator:

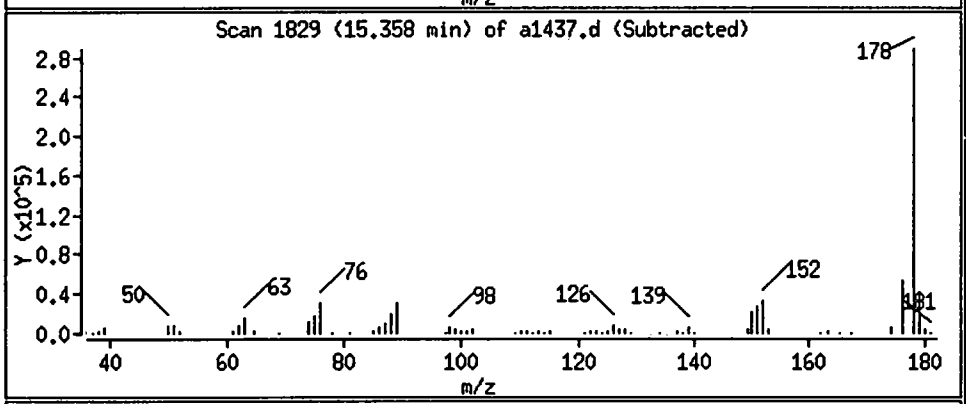
Column phase: hp-5MS

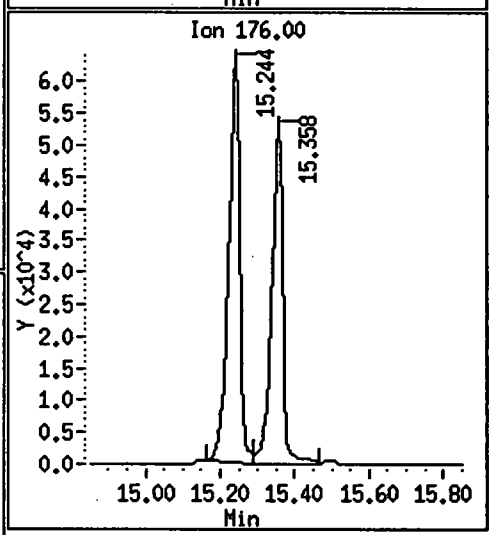
Column diameter: 0.25

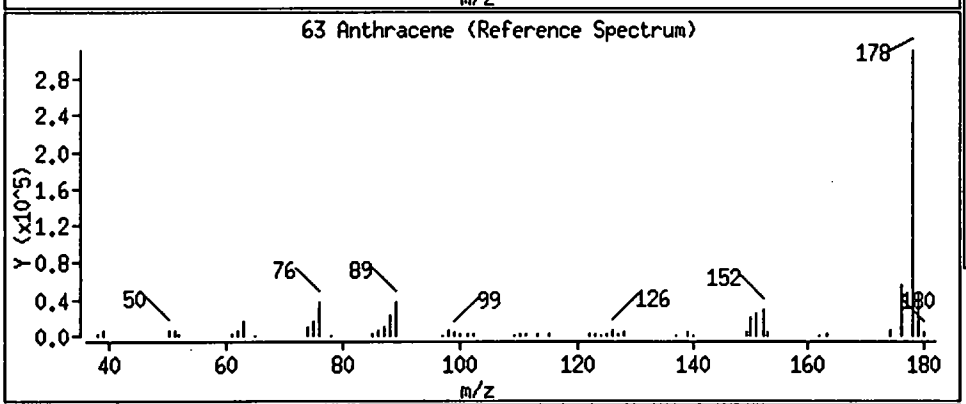
63 Anthracene

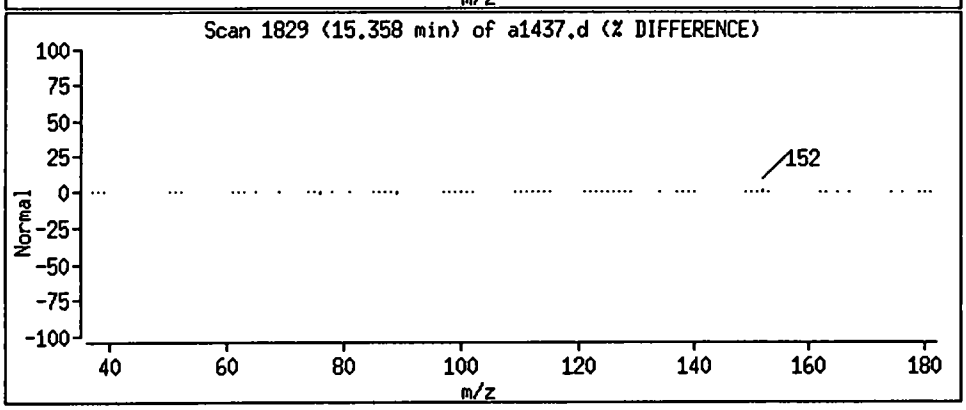












Data File: /wplcsdisk2/hp72a.i/090394.b/a1437.d

Date : 04-SEP-1994 00:14

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-32

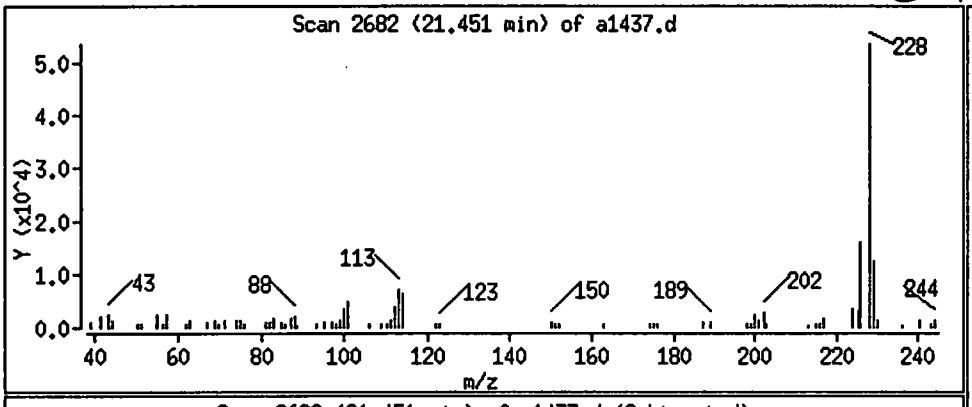
Volume Injected (uL): 1.0

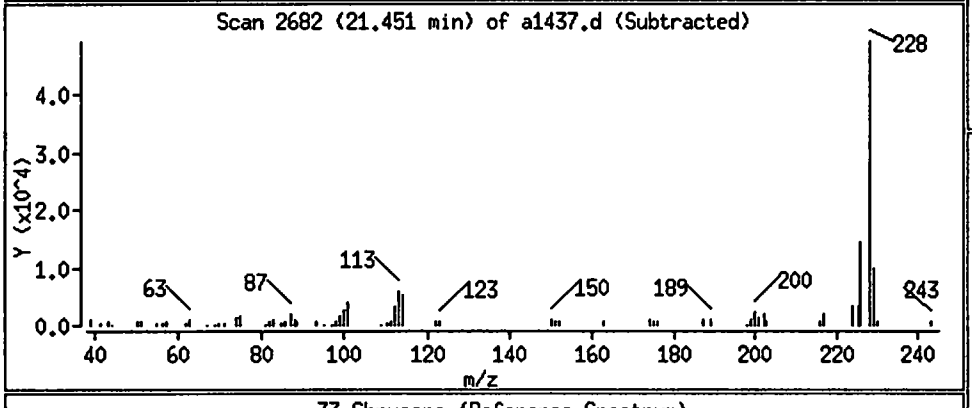
Operator:

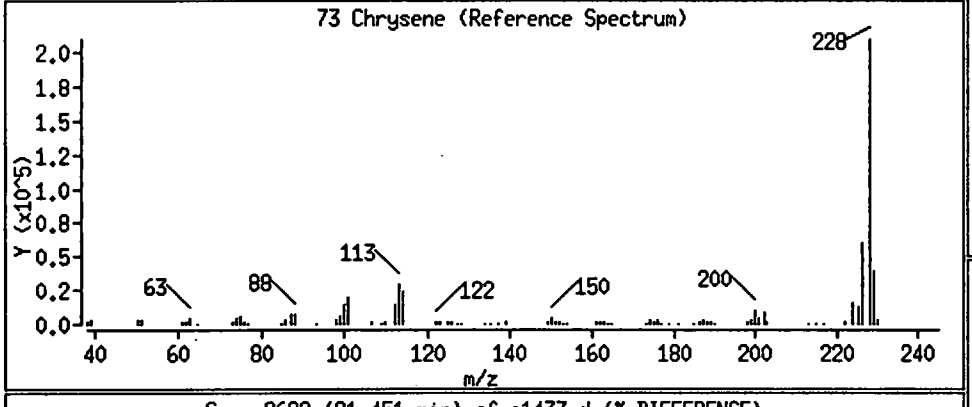
Column phase: hp-5MS

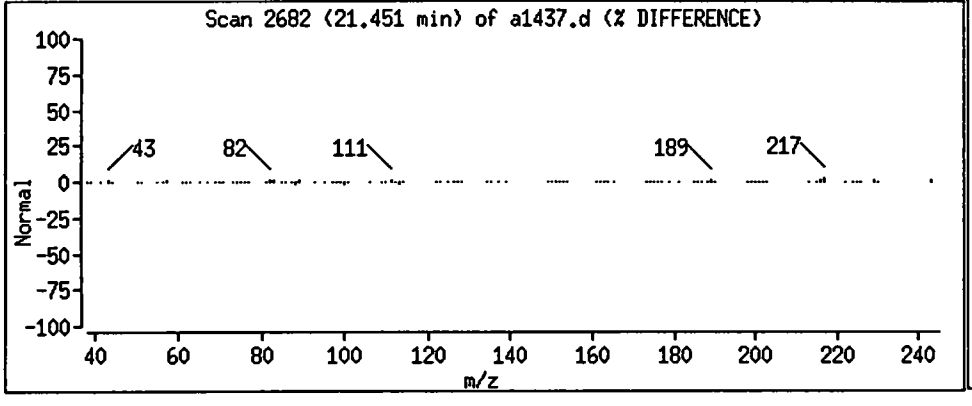
Column diameter: 0.25

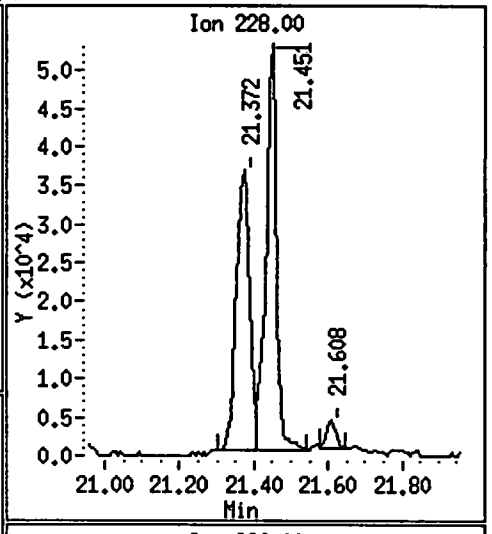
73 Chrysene

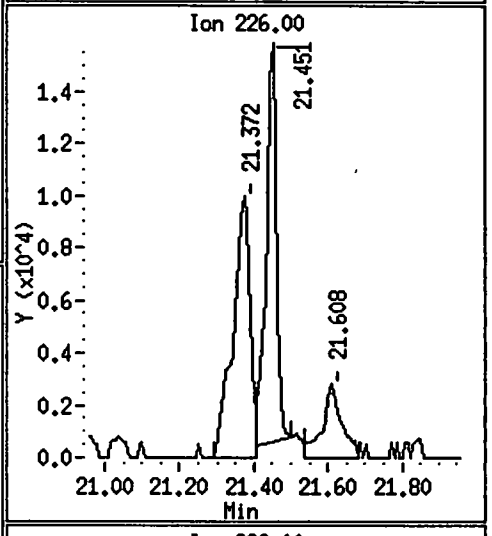


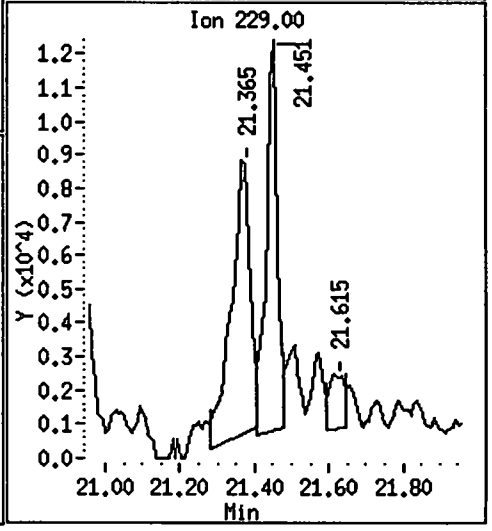












Data File: /uplcsdisk2/hp72a.i/090394.b/a1437.d

Date : 04-SEP-1994 00:14

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-32

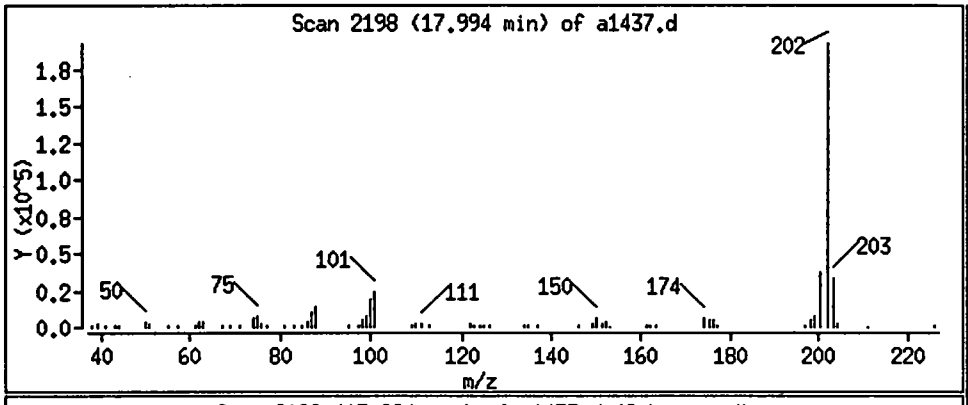
Volume Injected (uL): 1.0

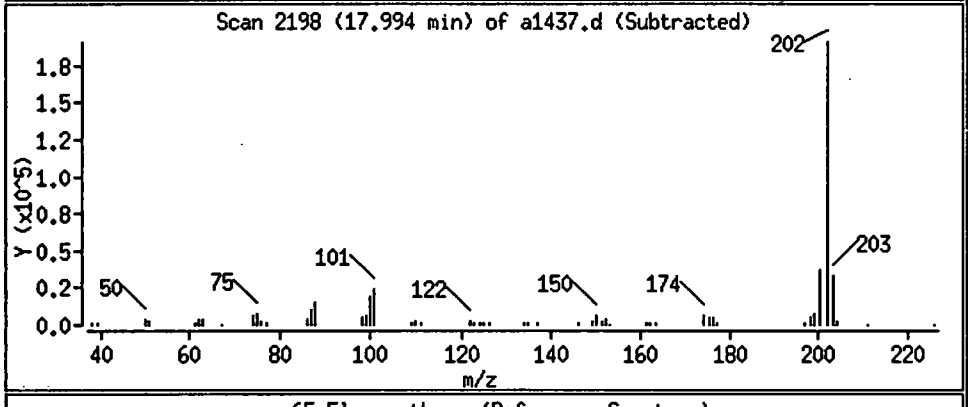
Operator:

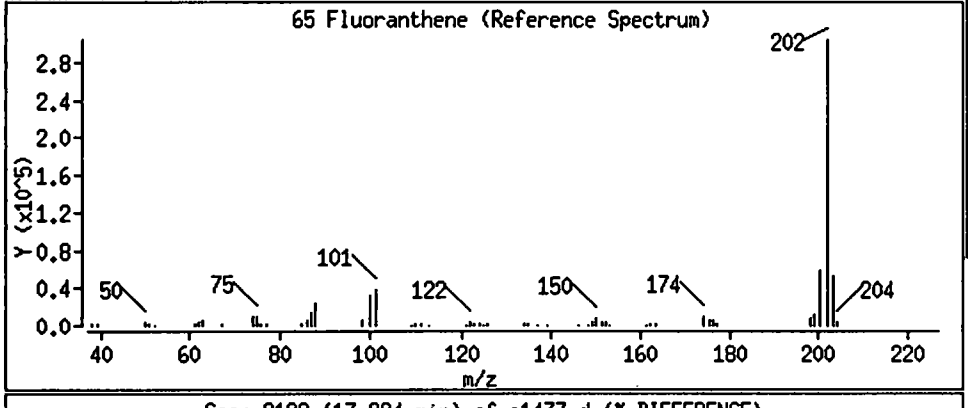
Column phase: hp-5MS

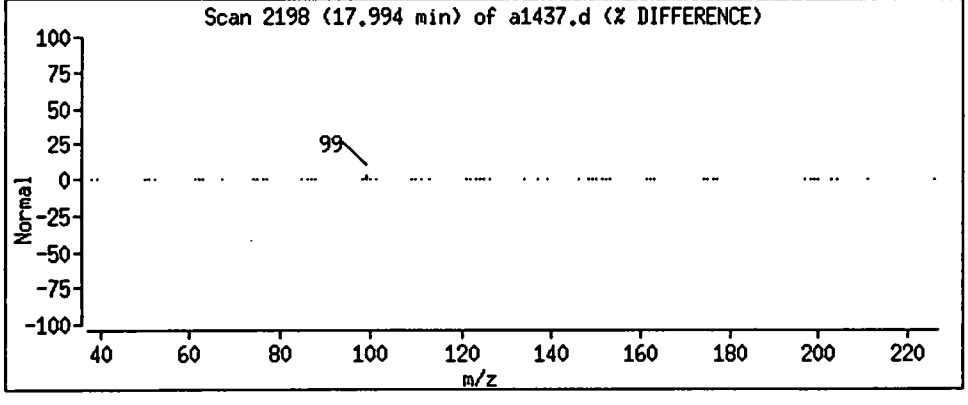
Column diameter: 0.25

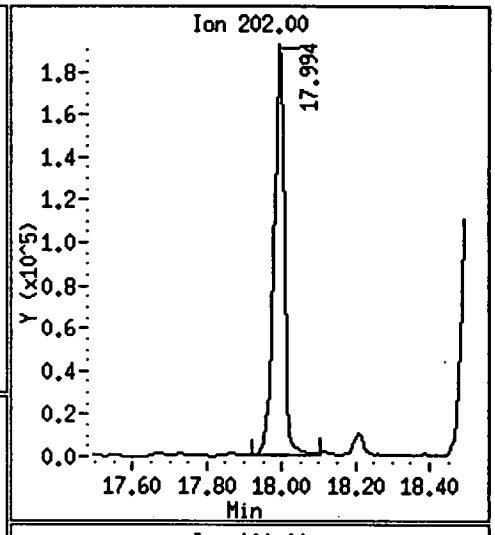
65 Fluoranthene

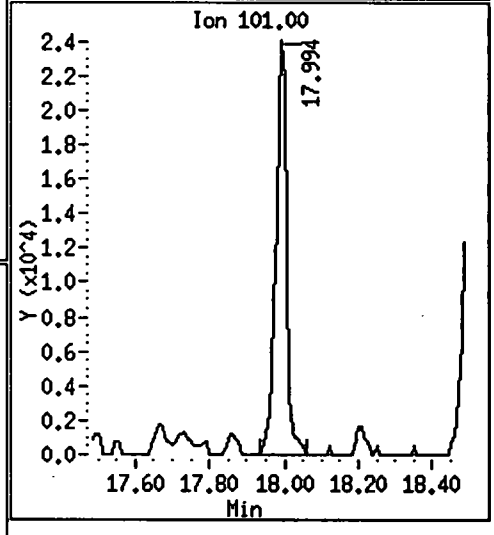












Data File: /wplcsdisk2/hp72a.i/090394.b/a1437.d

Date : 04-SEP-1994 00:14

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-32

Volume Injected (uL): 1.0

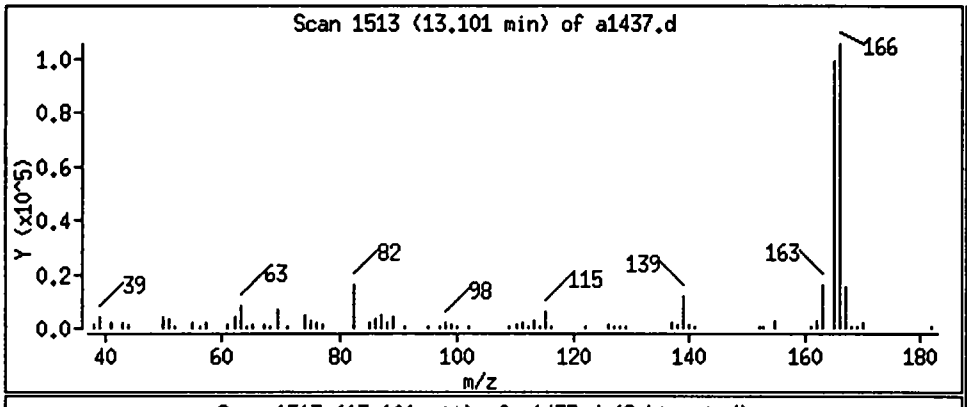
Operator:

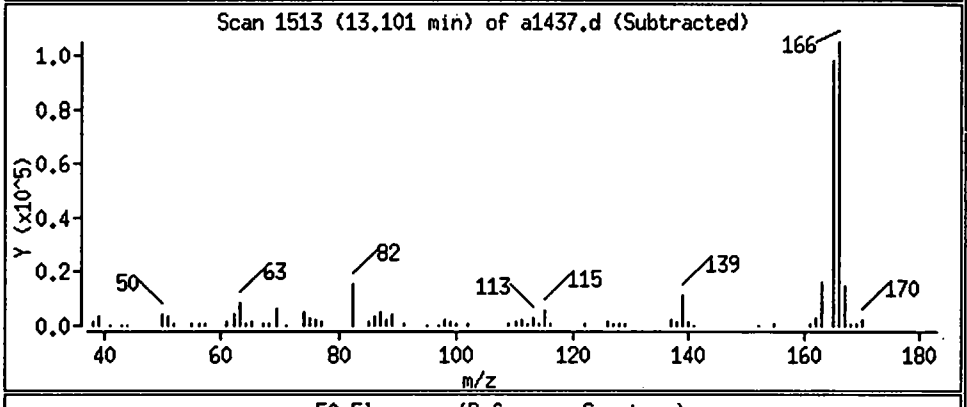
Column phase: hp-5MS

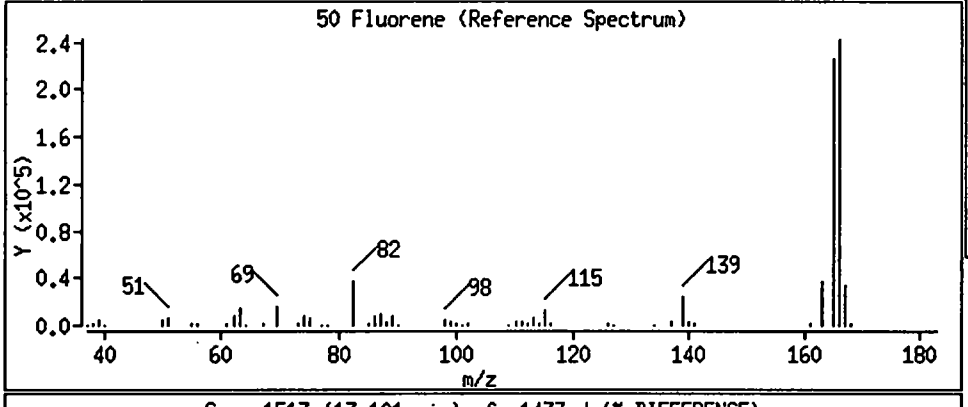
Column diameter: 0.25

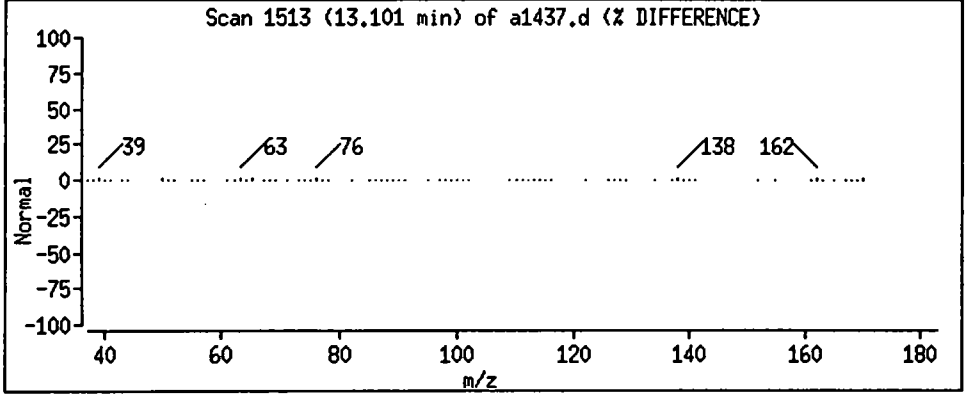
OK ADL

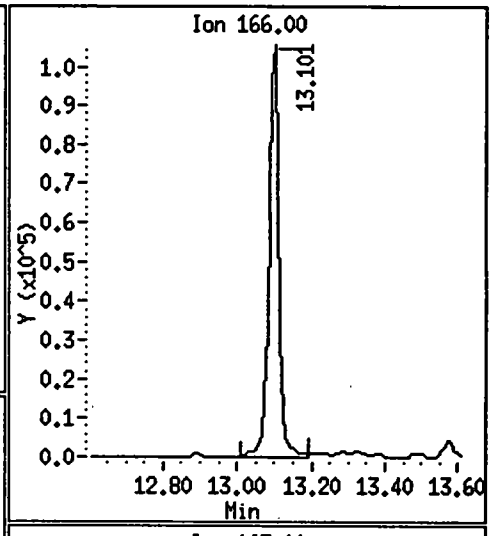
50 Fluorene

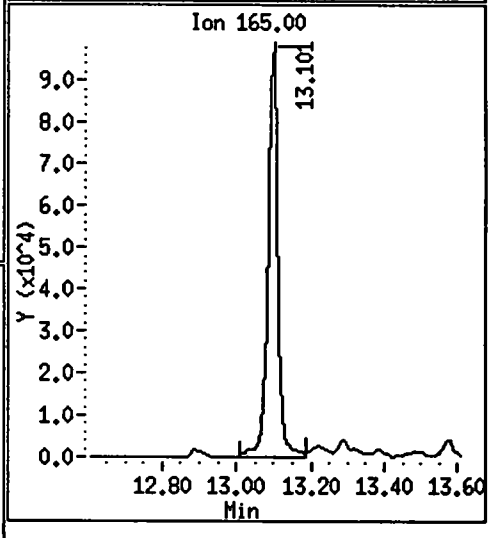












Data File: /wplcsdisk2/hp72a.i/090394.b/a1437.d

Date : 04-SEP-1994 00:14

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-32

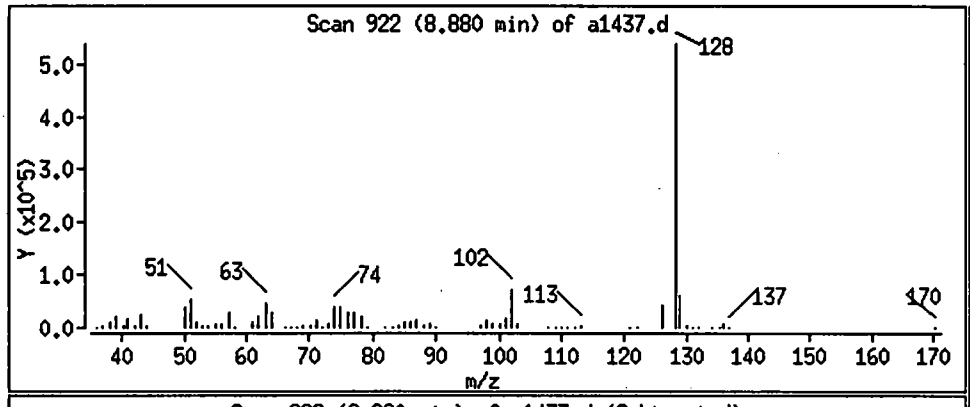
Volume Injected (uL): 1.0

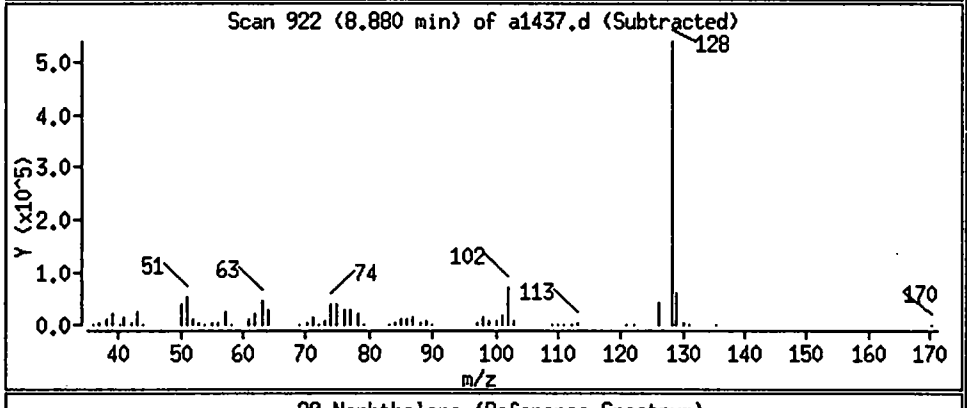
Operator:

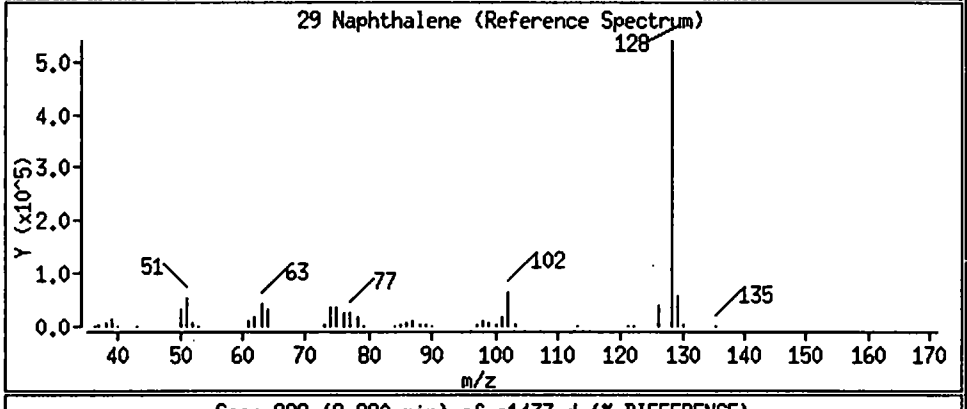
Column phase: hp-5MS

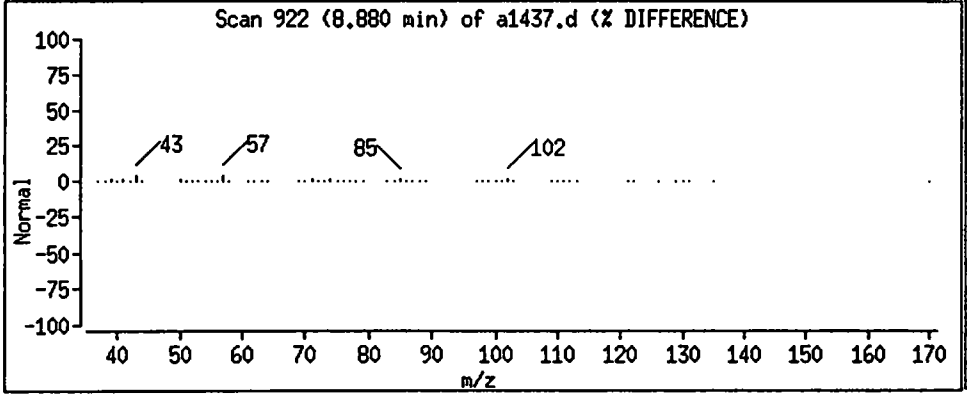
Column diameter: 0.25

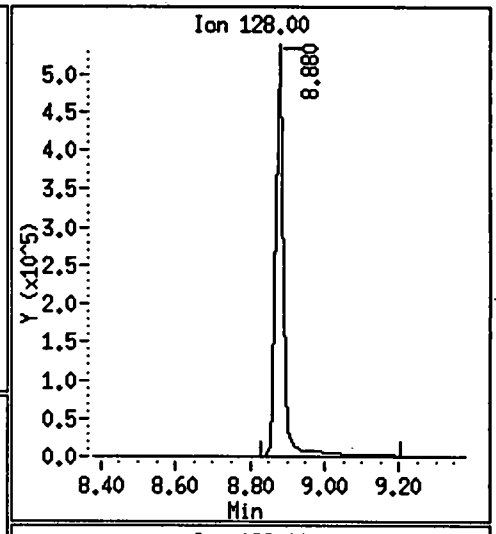
29 Naphthalene

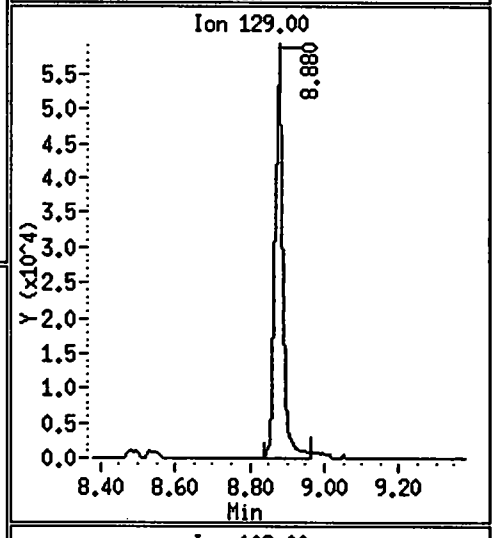


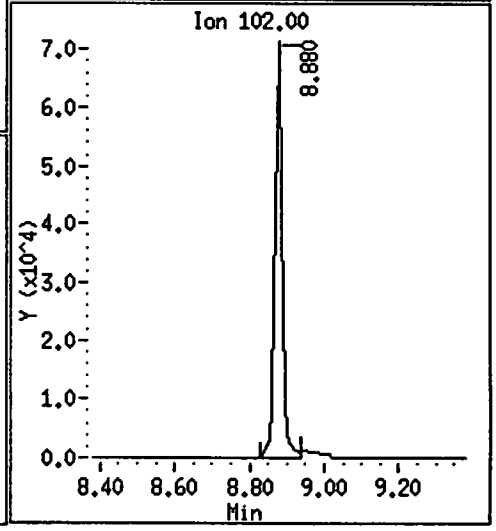












Data File: /wplcsdisk2/hp72a.i/090394.b/a1437.d

Date : 04-SEP-1994 00:14

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-32

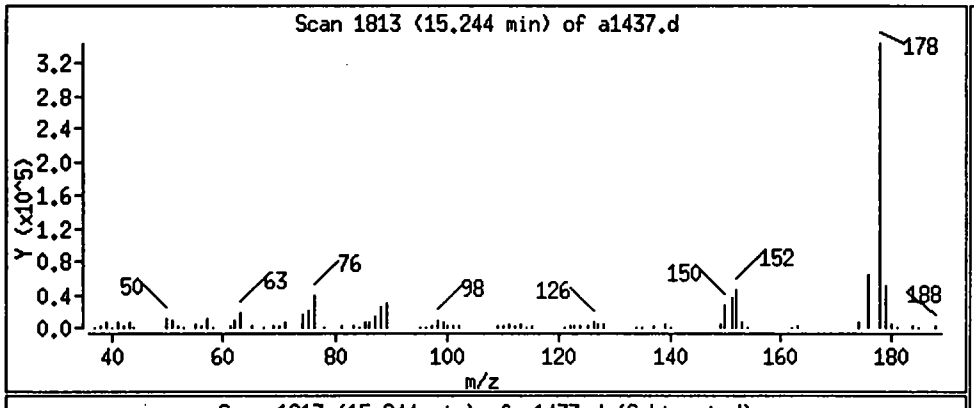
Volume Injected (uL): 1.0

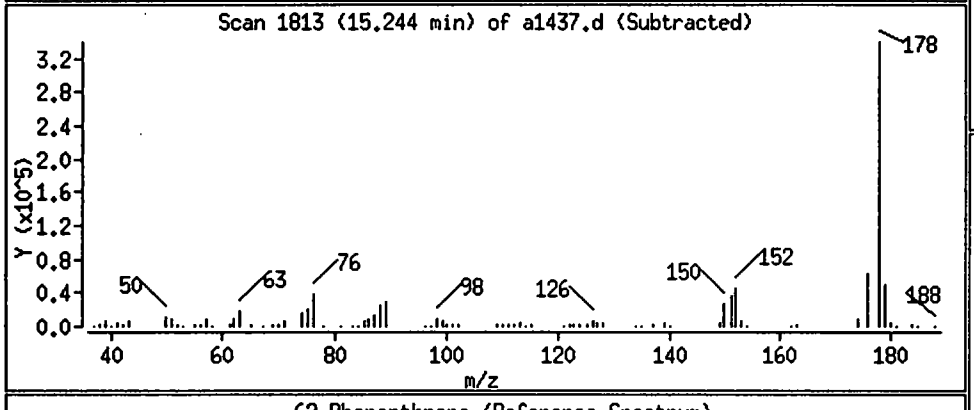
Operator:

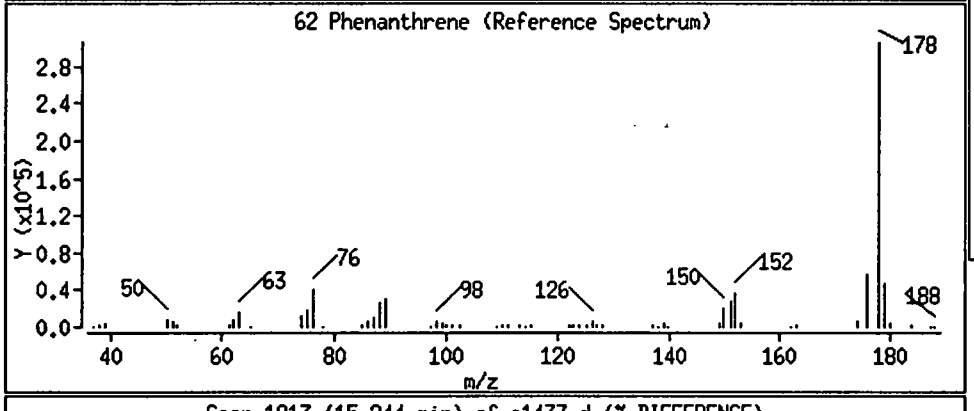
Column phase: hp-5MS

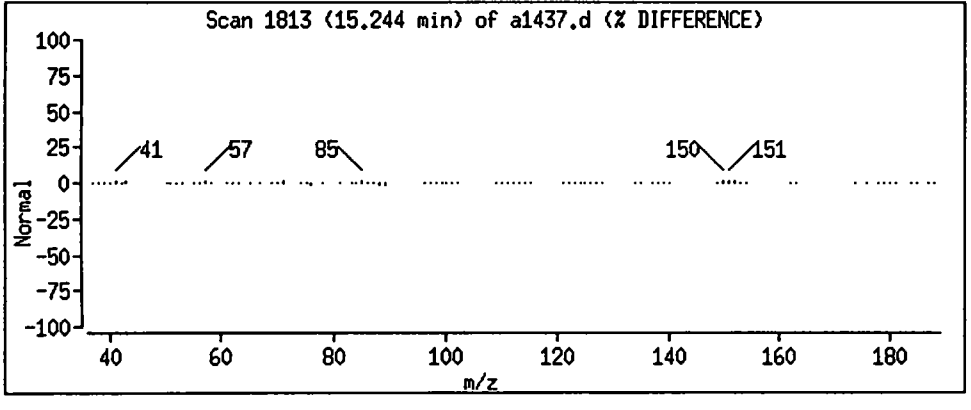
Column diameter: 0.25

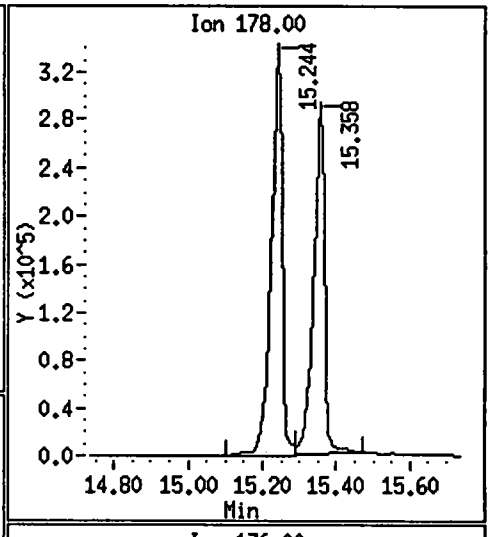
62 Phenanthrene

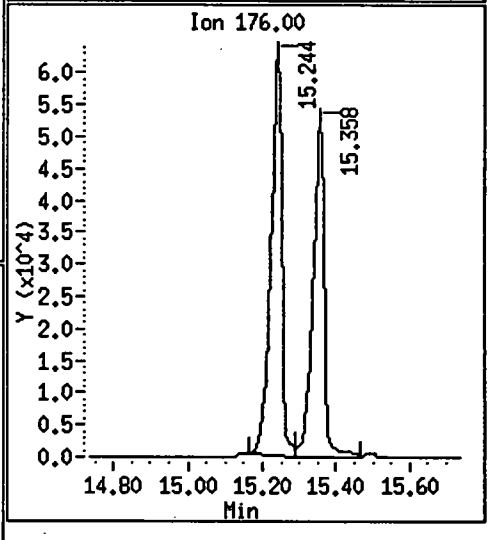












Data File: /wplcsdisk2/hp72a.i/090394.b/a1437.d

Date : 04-SEP-1994 00:14

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-32

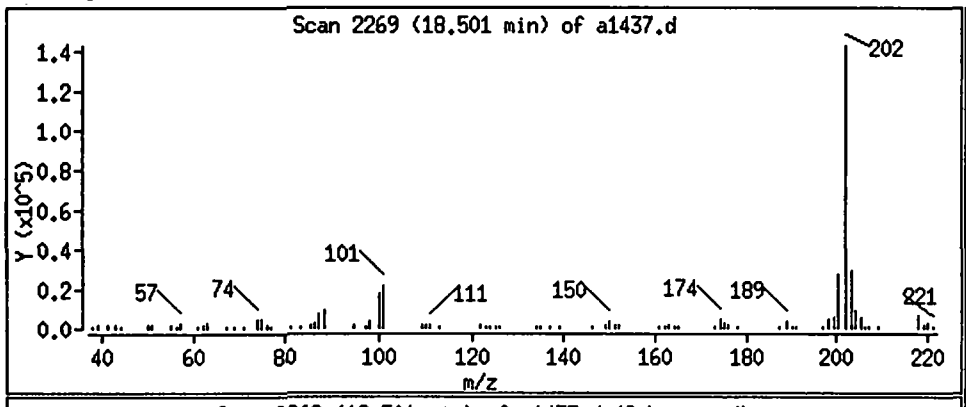
Volume Injected (uL): 1.0

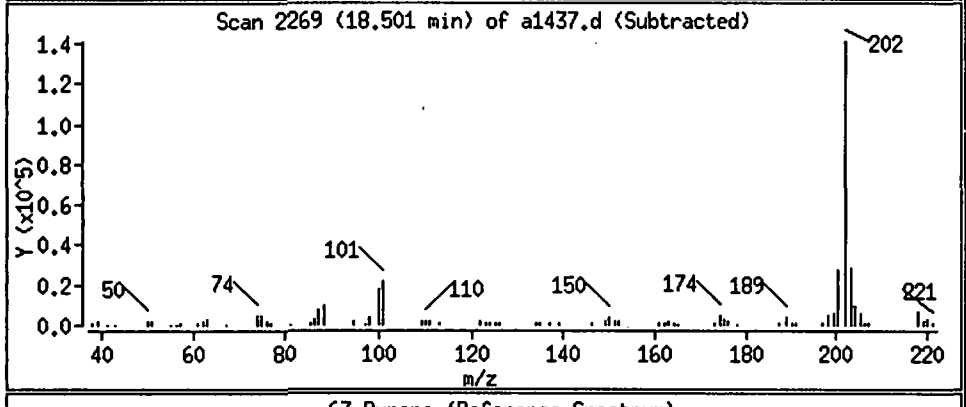
Operator:

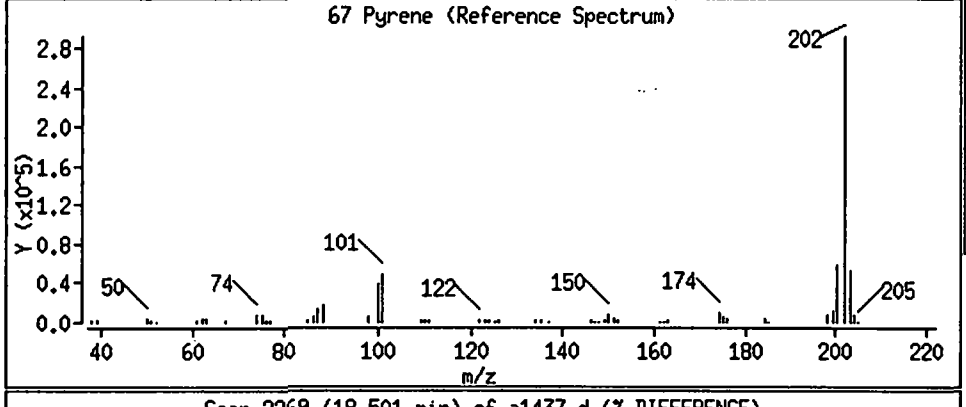
Column phase: hp-5MS

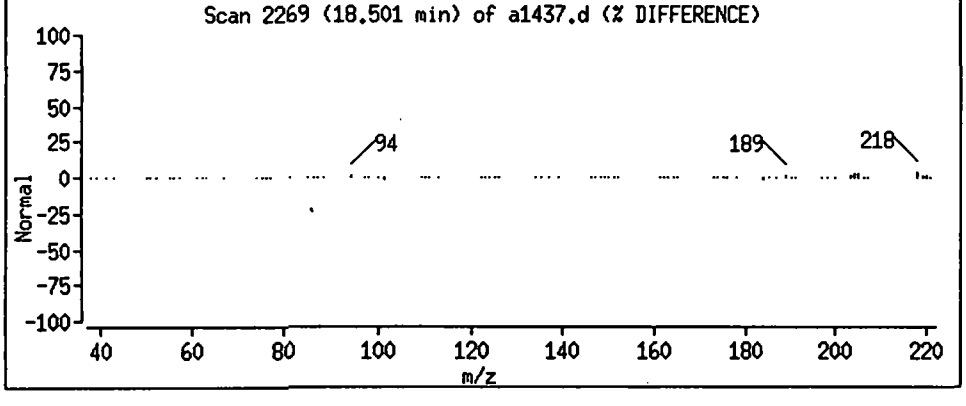
Column diameter: 0.25

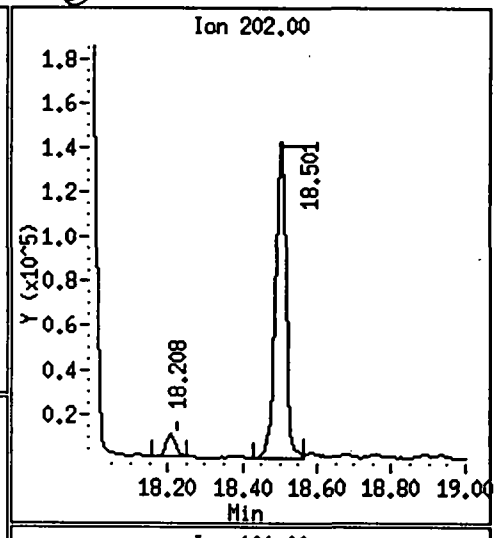
67 Pyrene

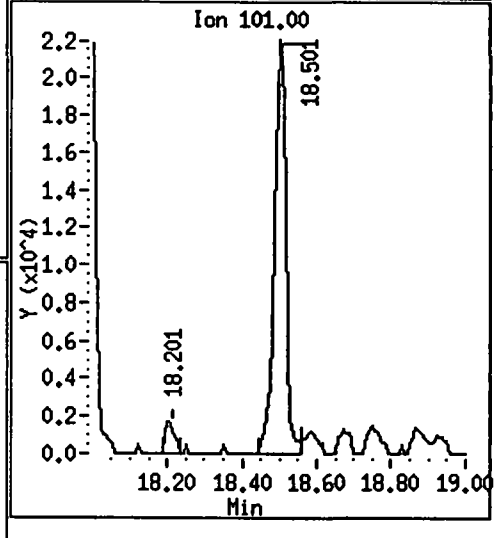












Data File: /wplcsdisk2/hp72a.i/090394.b/a1438.d

Date : 04-SEP-1994 00:51

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2 /0826-33

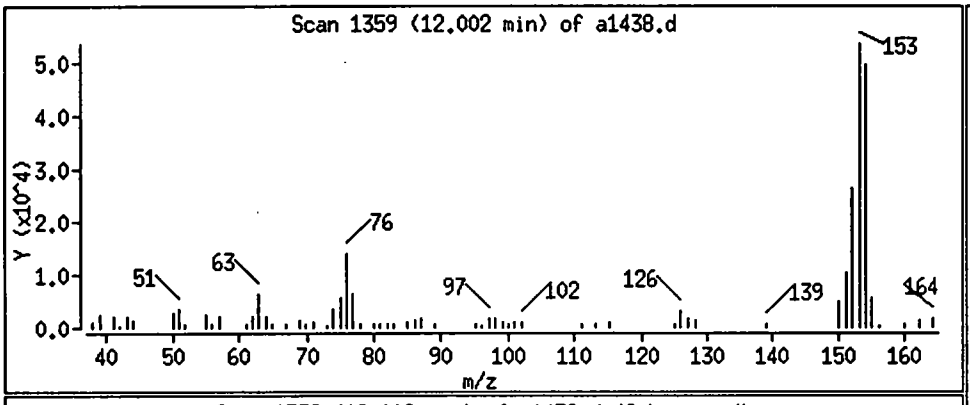
Volume Injected (uL): 1.0

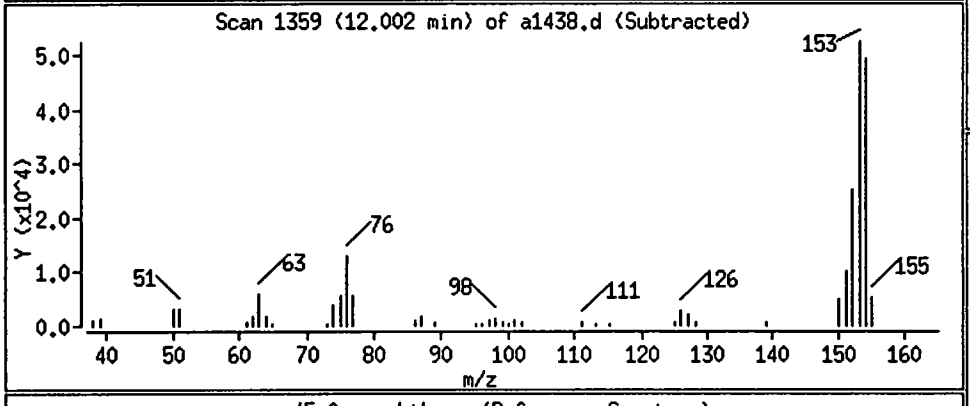
Operator:

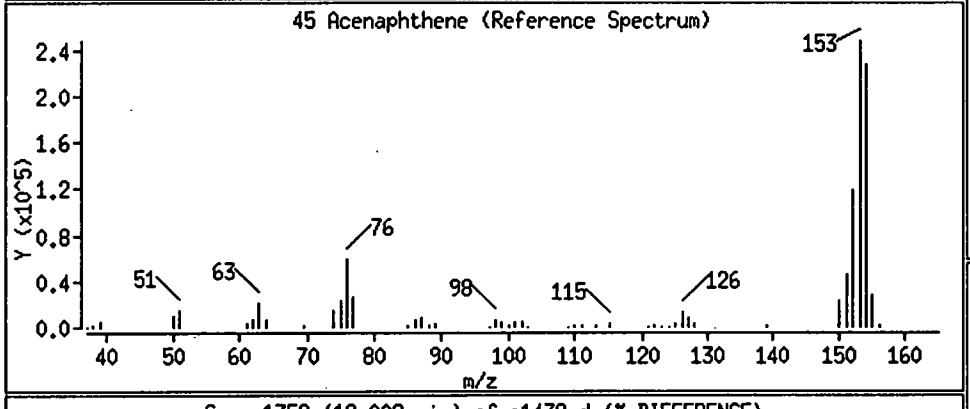
Column phase: hp-5MS

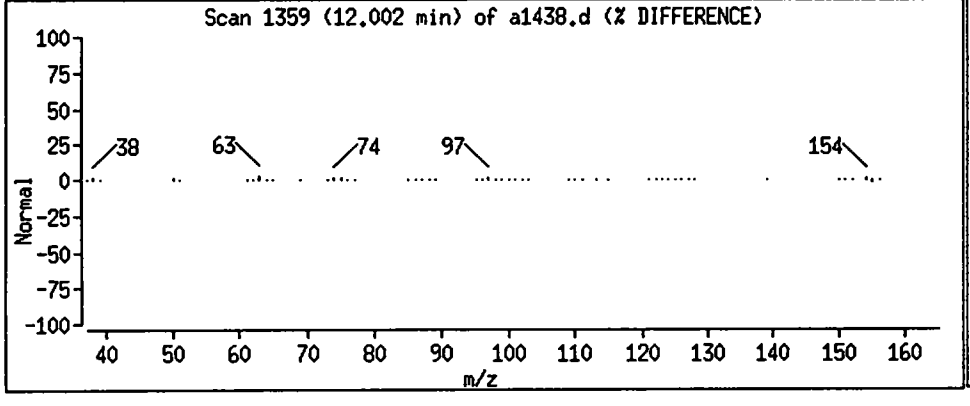
Column diameter: 0.25

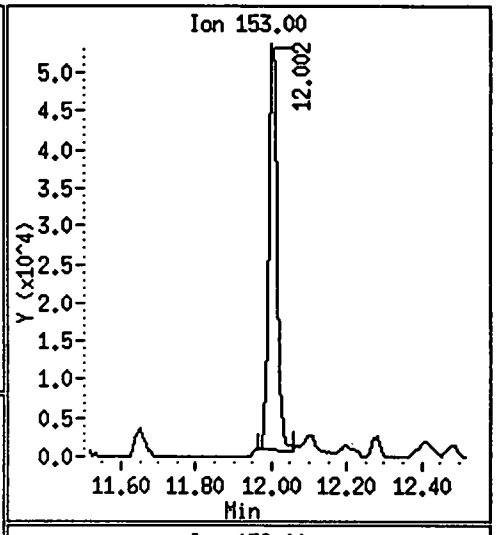
45 Acenaphthene

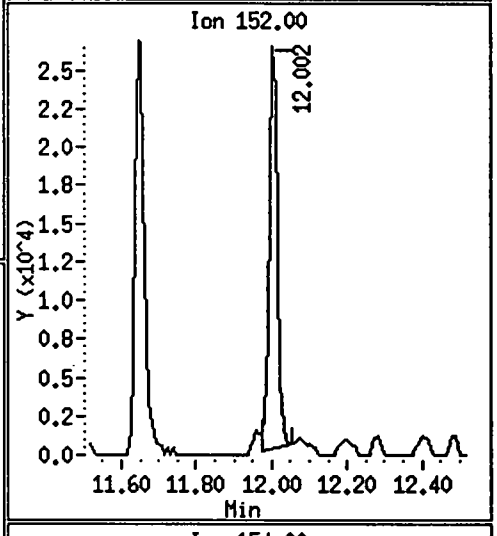


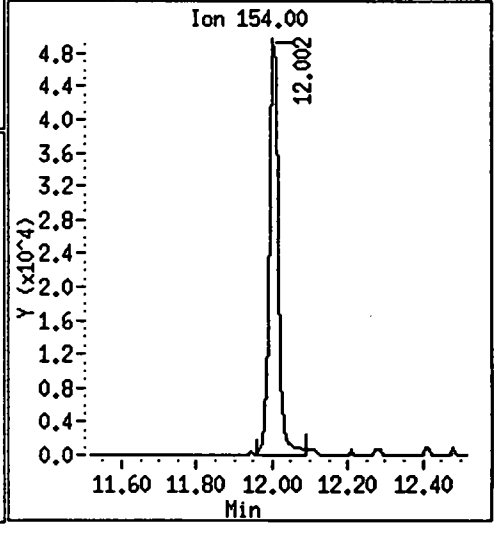












Data File: /uplcsdisk2/hp72a.i/090394.b/a1438.d

Date : 04-SEP-1994 00:51

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2 /0826-33

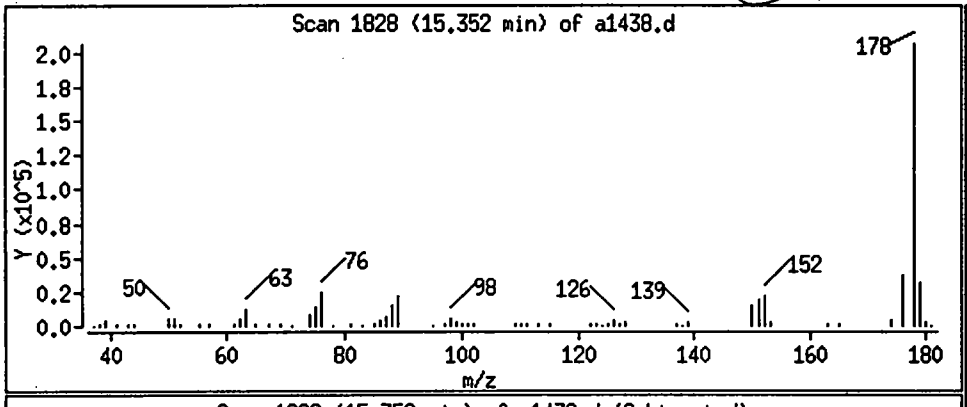
Volume Injected (uL): 1.0

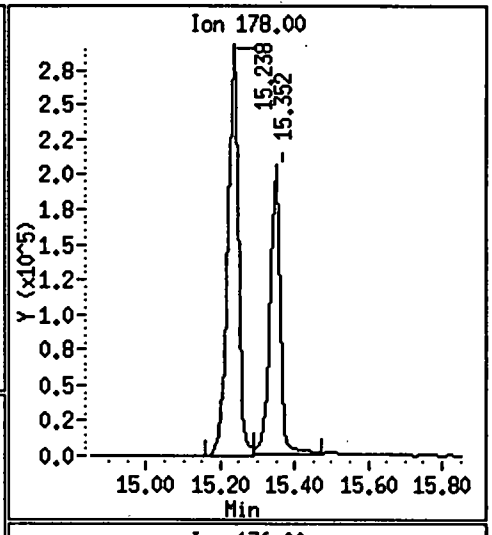
Operator:

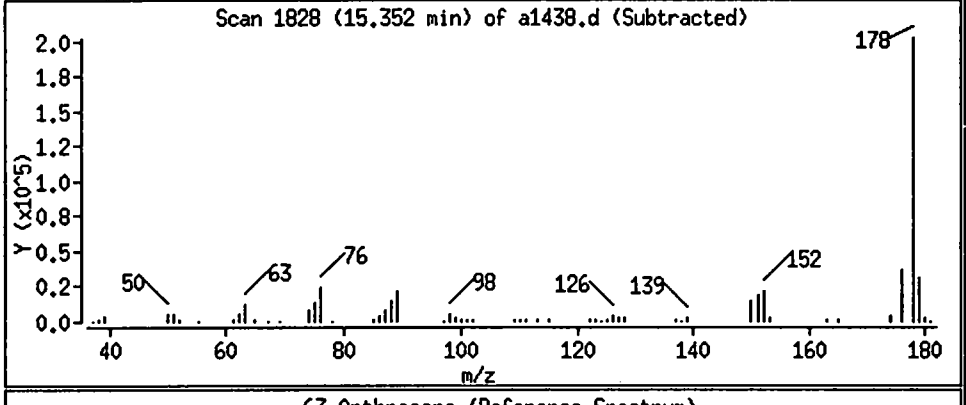
Column phase: hp-5MS

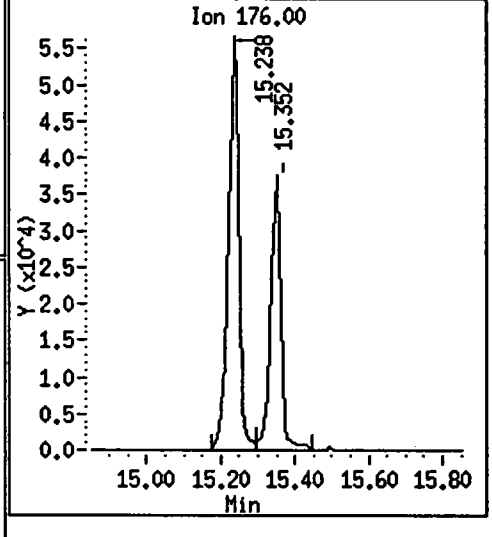
Column diameter: 0.25

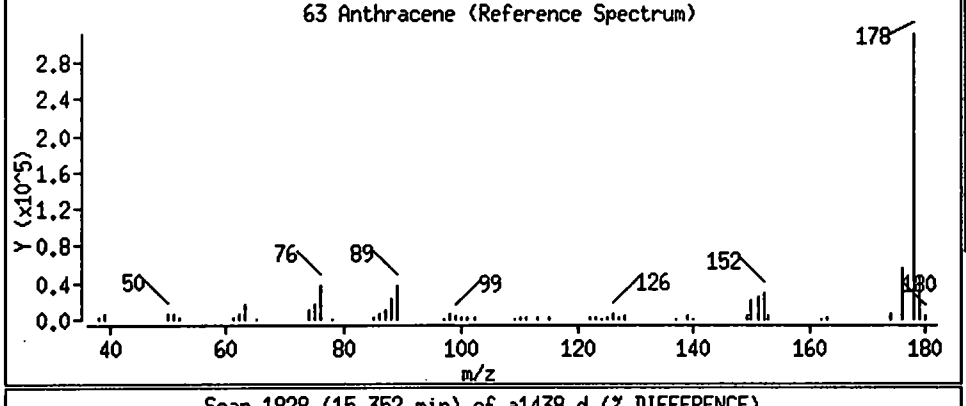
63 Anthracene

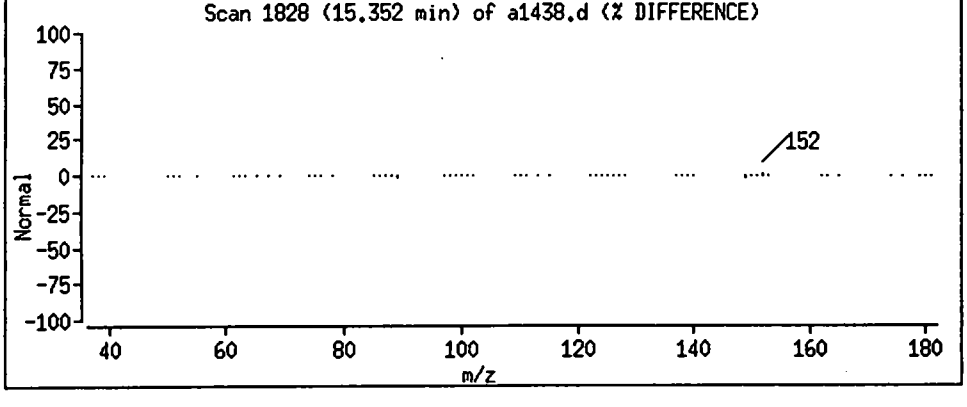












Data File: /wplcsdisk2/hp72a.i/090394.b/a1438.d

Date : 04-SEP-1994 00:51

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2 /0826-33

Volume Injected (uL): 1.0

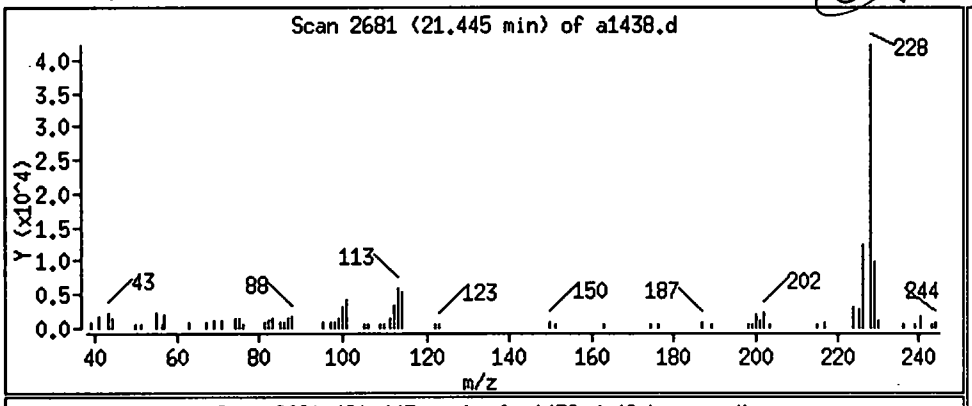
Operator:

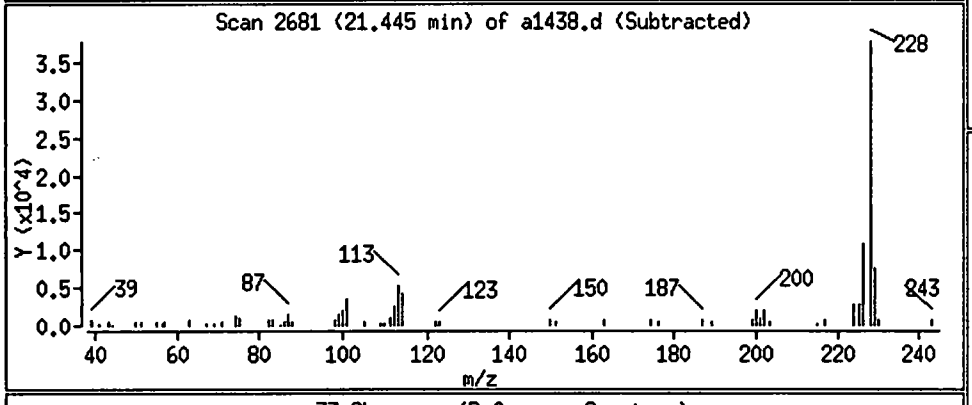
Column phase: hp-5MS

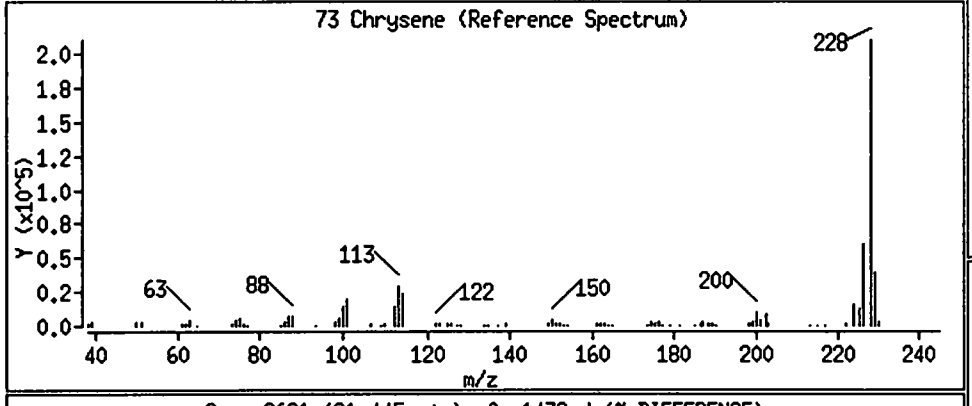
Column diameter: 0.25

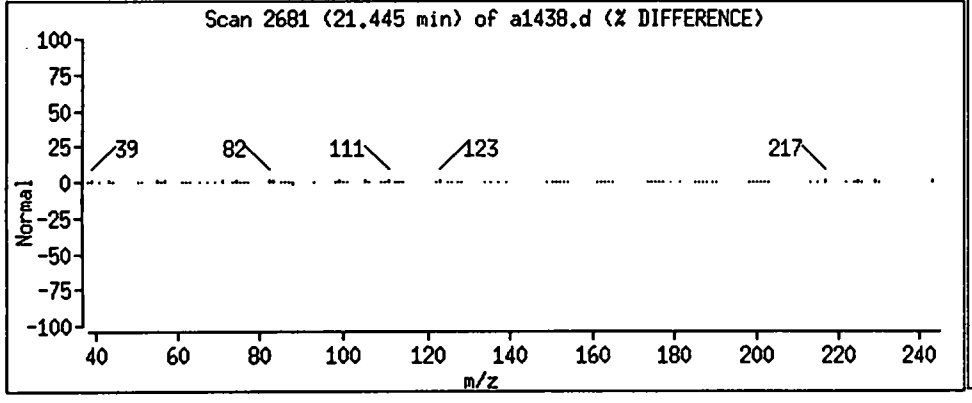
73 Chrysene

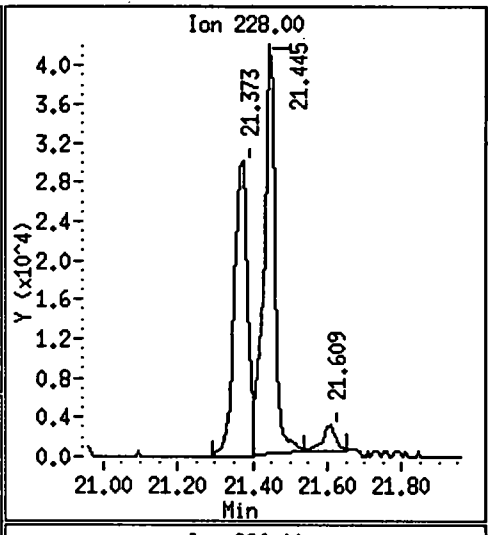
OK ARR

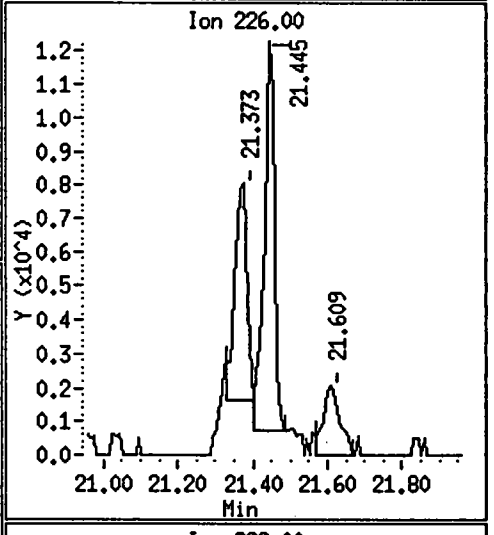


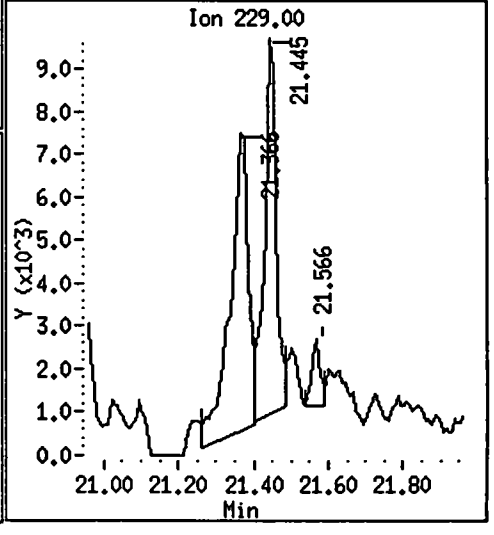












Data File: /uplcsdisk2/hp72a.i/090394.b/a1438.d

Date : 04-SEP-1994 00:51

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2 /0826-33

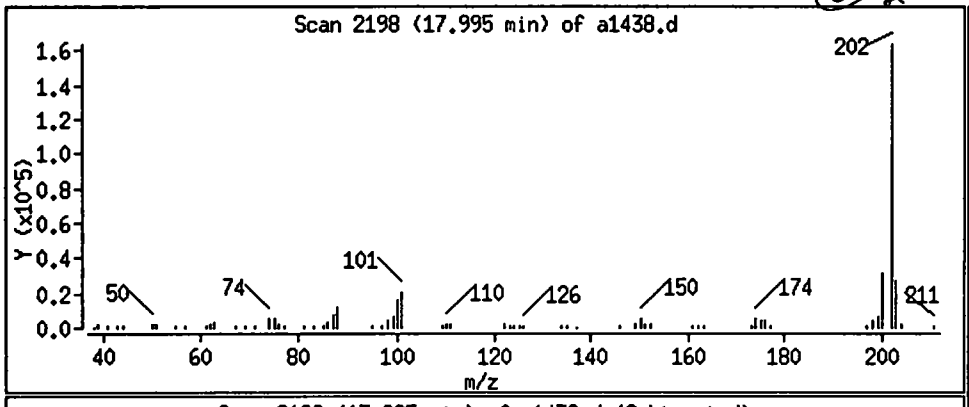
Volume Injected (uL): 1.0

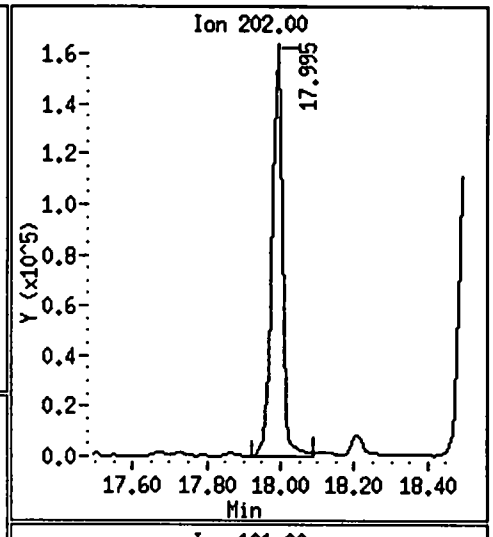
Operator:

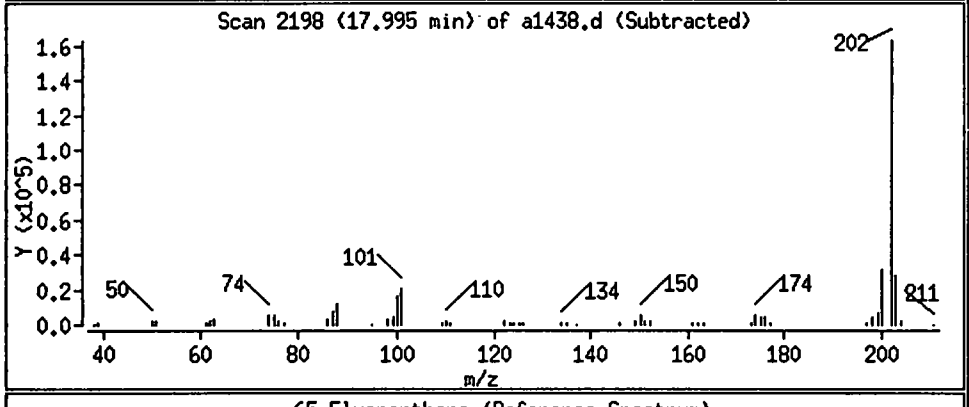
Column phase: hp-5MS

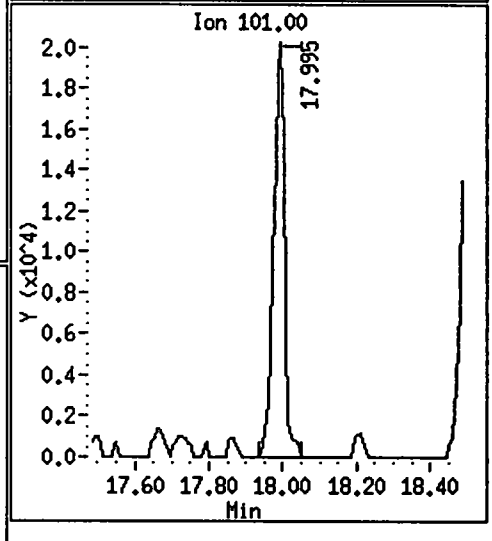
Column diameter: 0.25

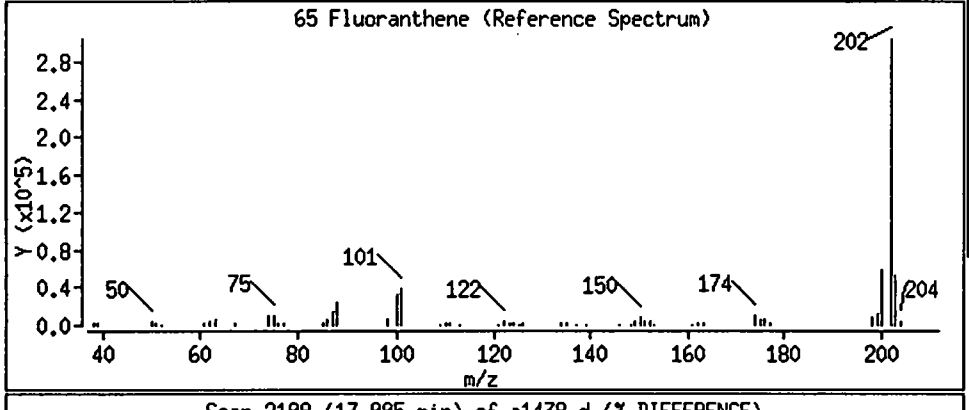
65 Fluoranthene

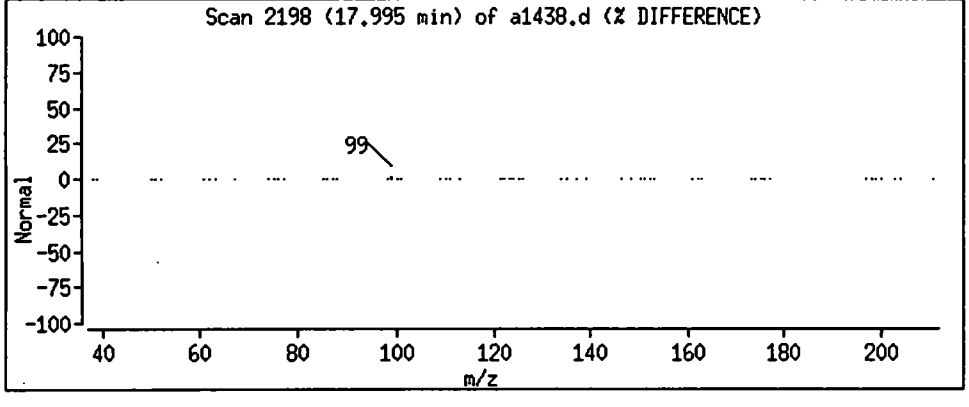












Data File: /wplcsdisk2/hp72a.i/090394.b/a1438.d

Date : 04-SEP-1994 00:51

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2 /0826-33

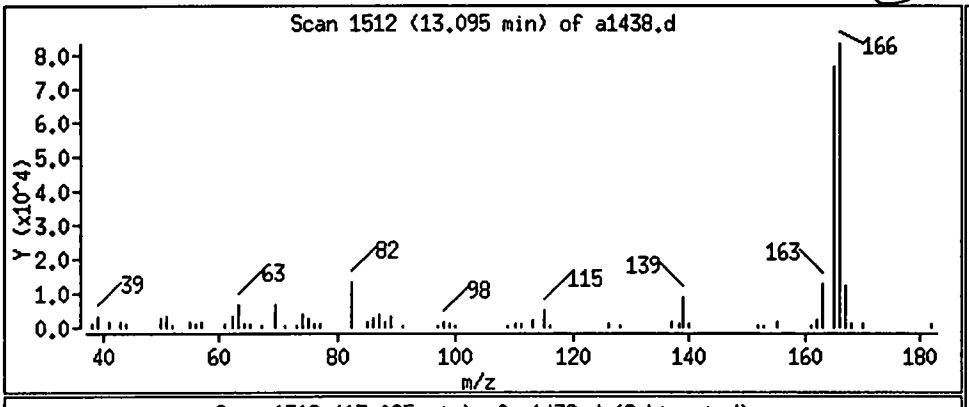
Volume Injected (uL): 1.0

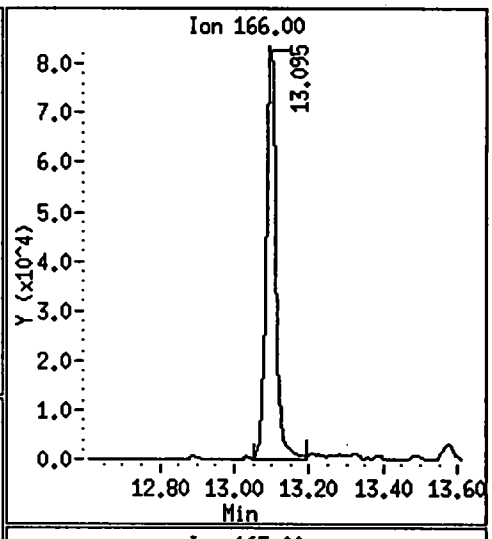
Operator:

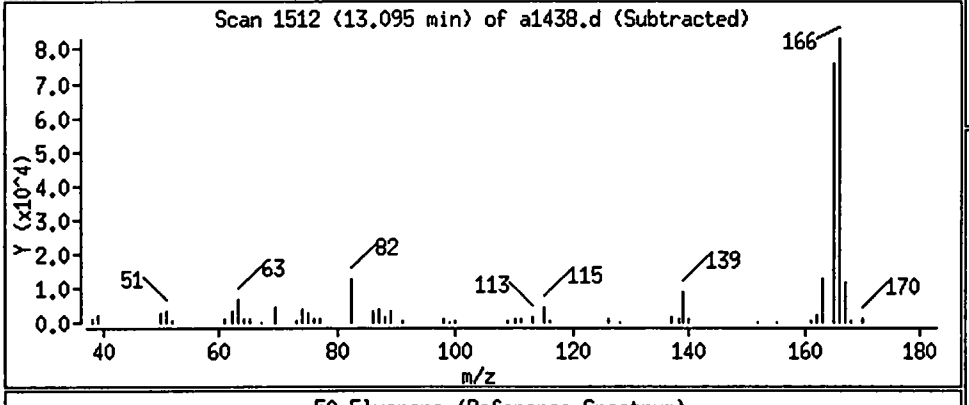
Column phase: hp-5MS

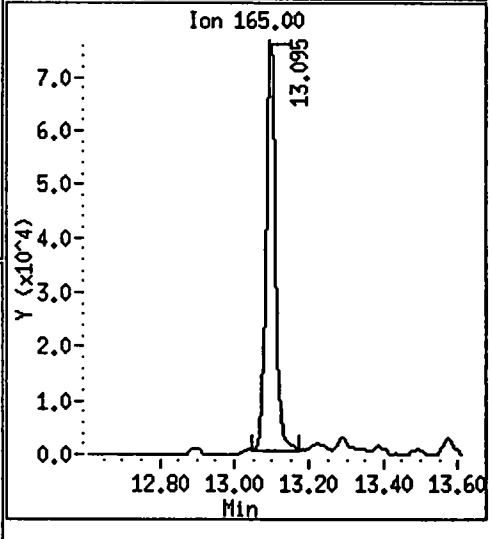
Column diameter: 0.25

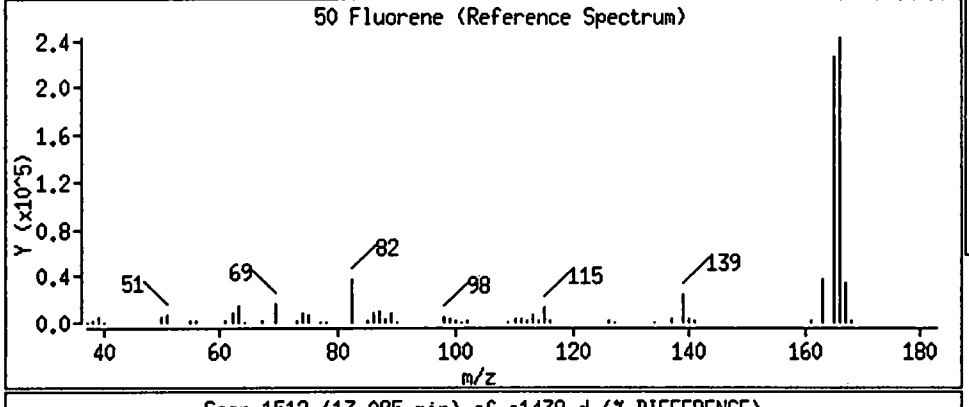
50 Fluorene

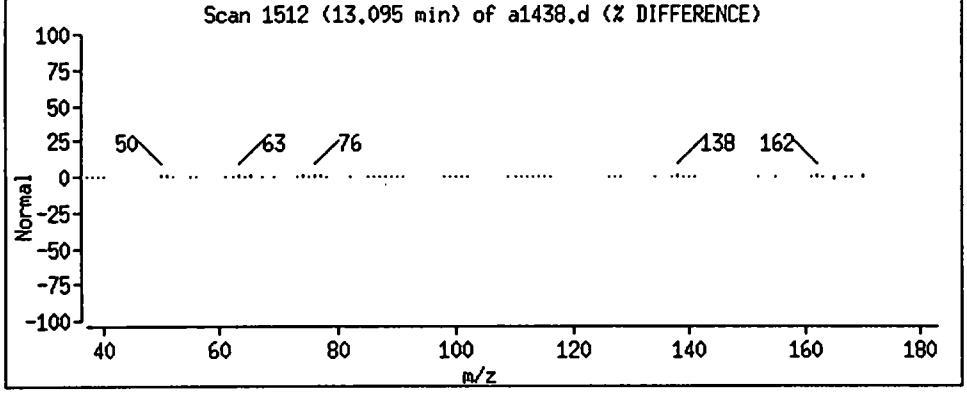












Data File: /wplcsdisk2/hp72a.i/090394.b/a1438.d

Date : 04-SEP-1994 00:51

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2 /0826-33

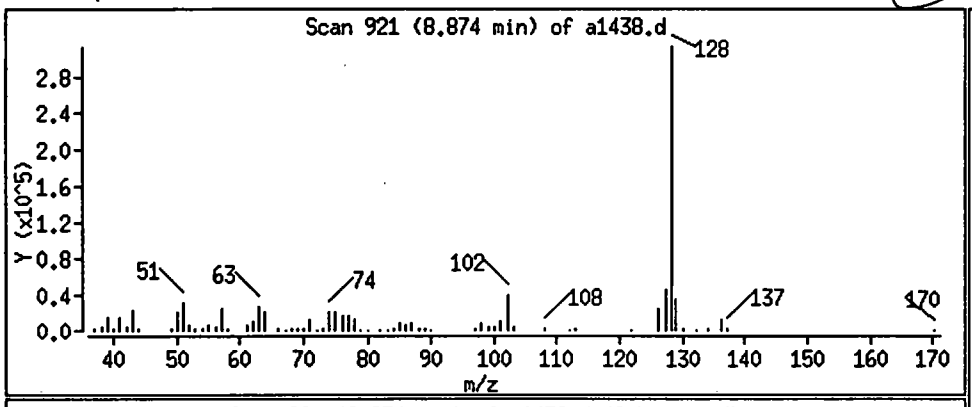
Volume Injected (uL): 1.0

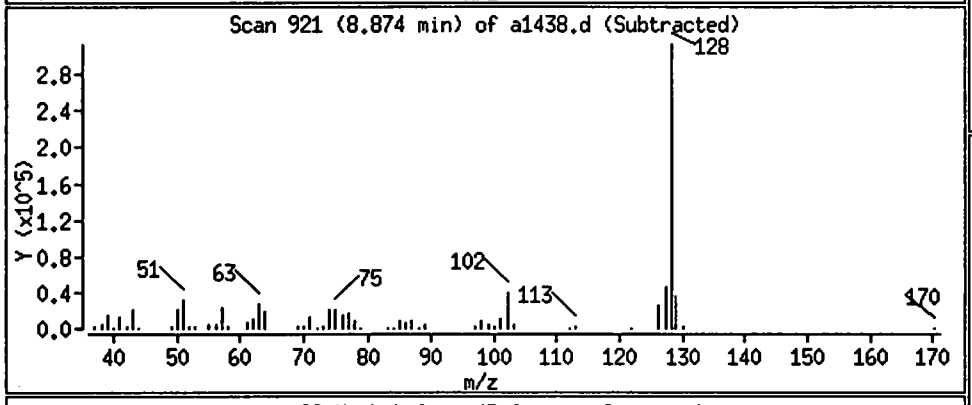
Operator:

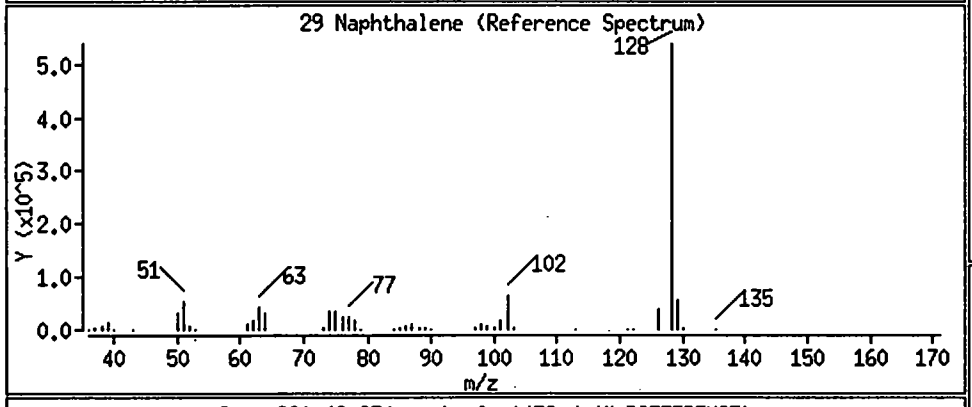
Column phase: hp-5MS

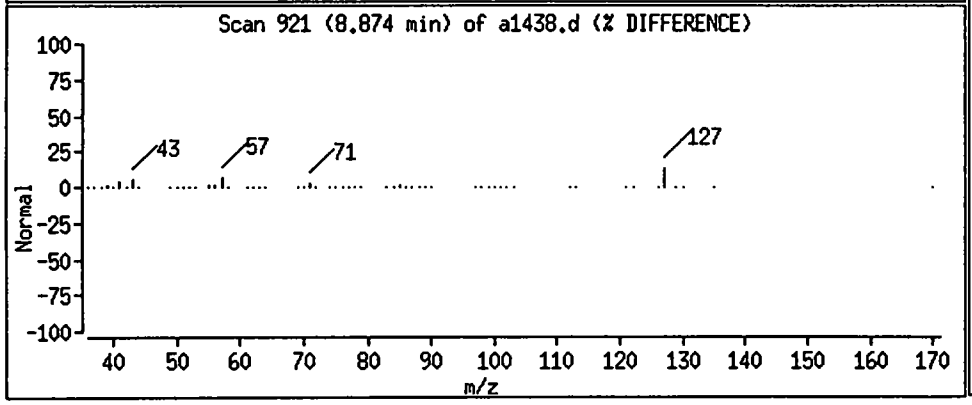
Column diameter: 0.25

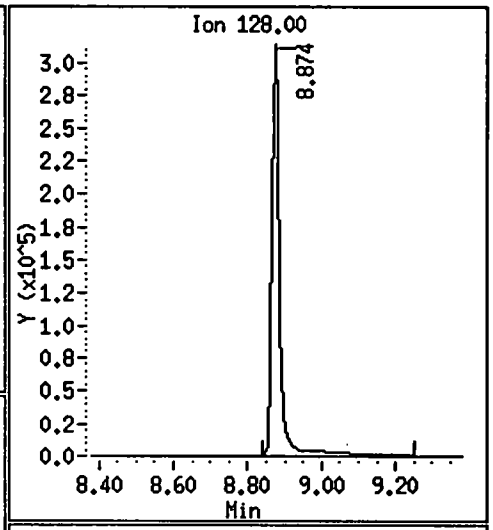
29 Naphthalene

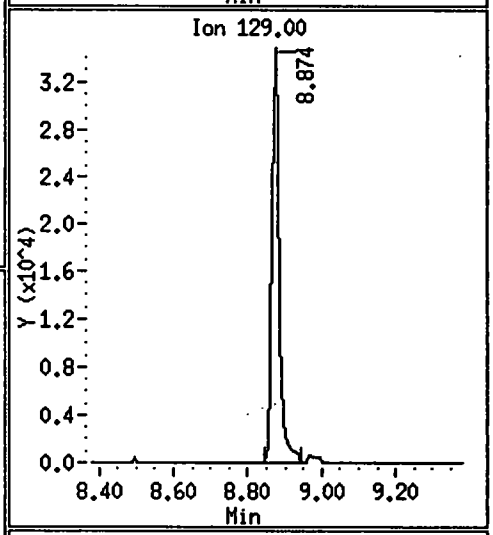


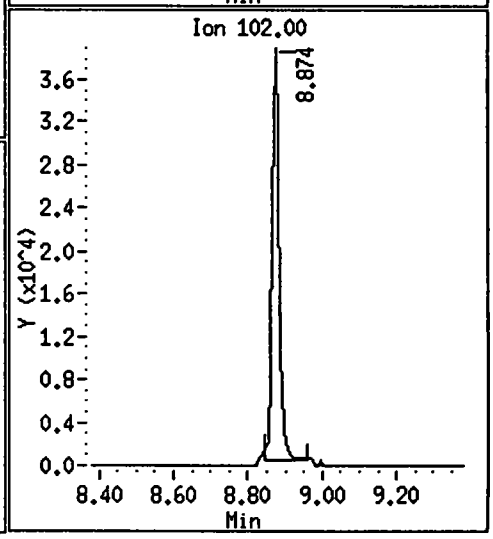












Data File: /wplcsdisk2/hp72a.i/090394.b/a1438.d

Date : 04-SEP-1994 00:51

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2 /0826-33

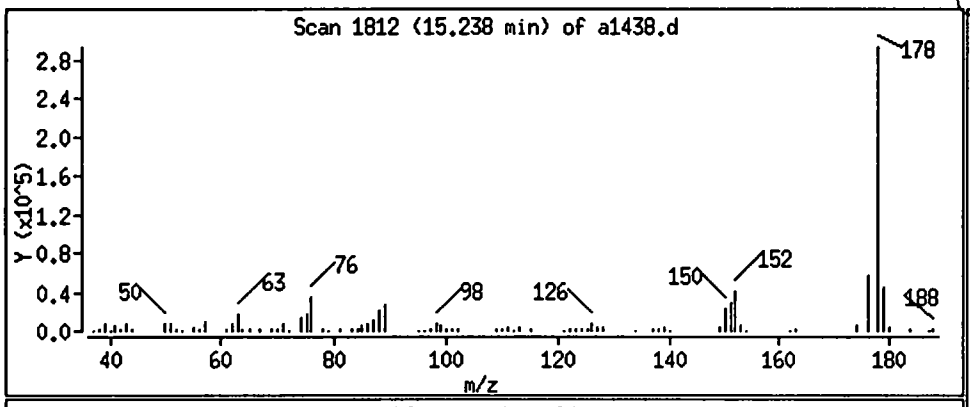
Volume Injected (uL): 1.0

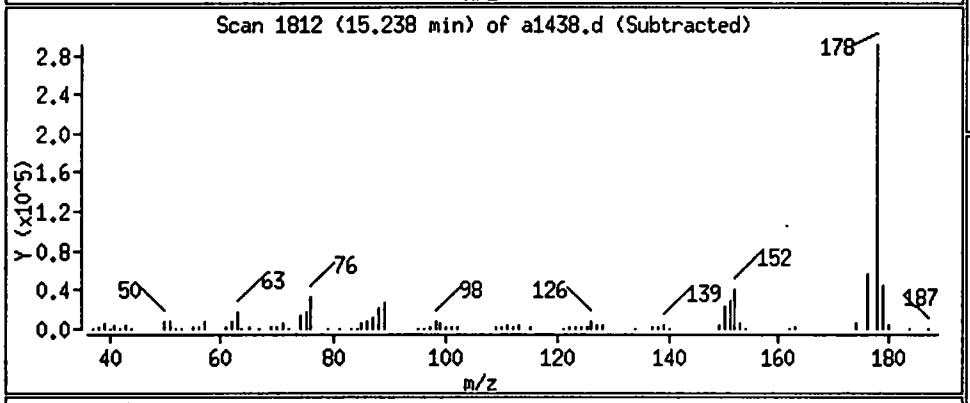
Operator:

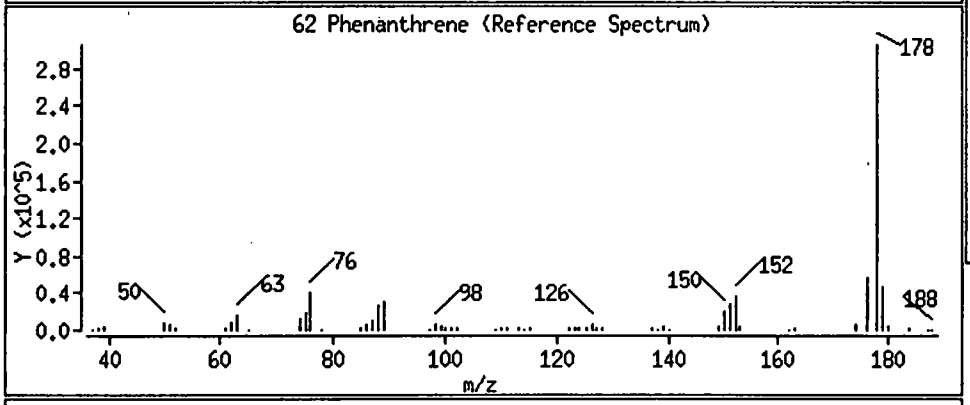
Column phase: hp-5MS

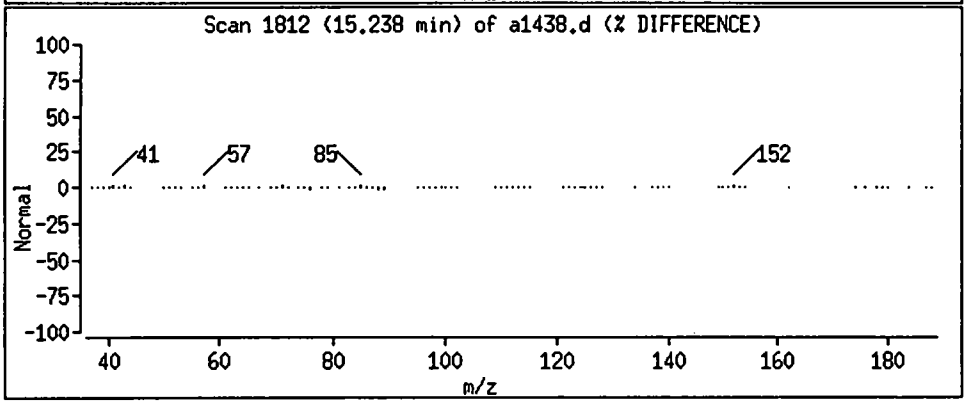
Column diameter: 0.25

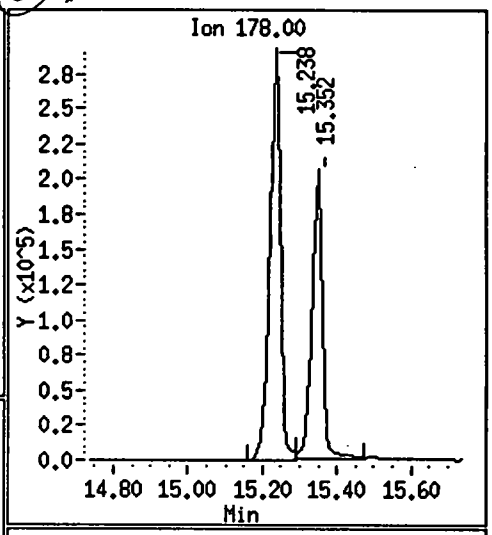
62 Phenanthrene

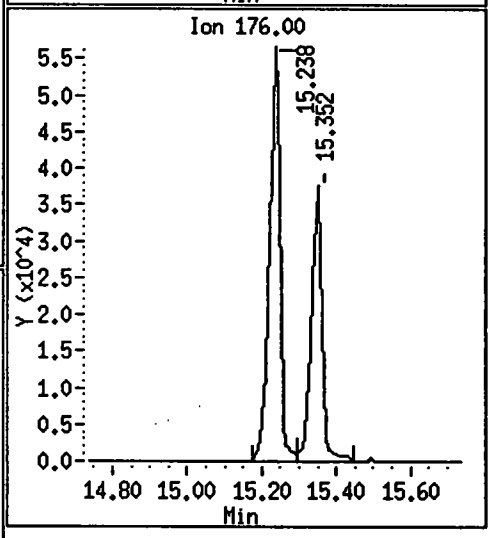












Data File: /wplcsdisk2/hp72a.i/090394.b/a1438.d

Date : 04-SEP-1994 00:51

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2 /0826-33

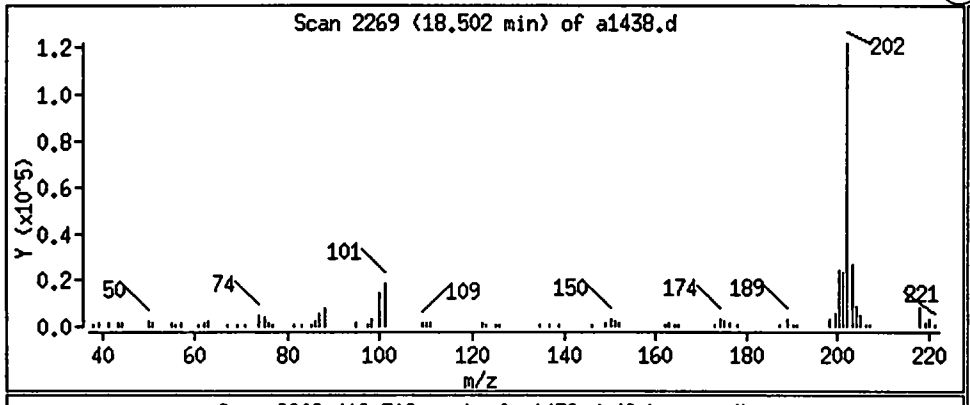
Volume Injected (uL): 1.0

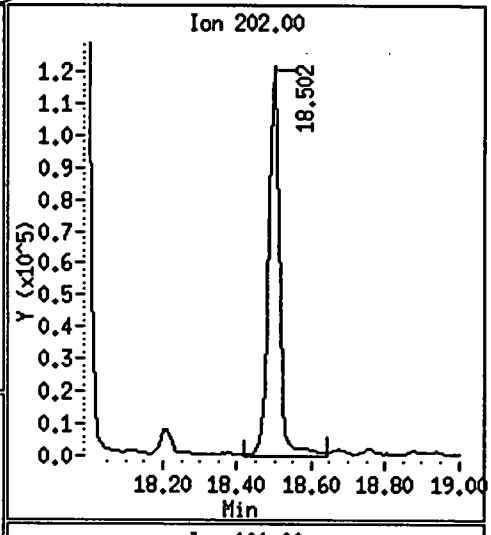
Operator:

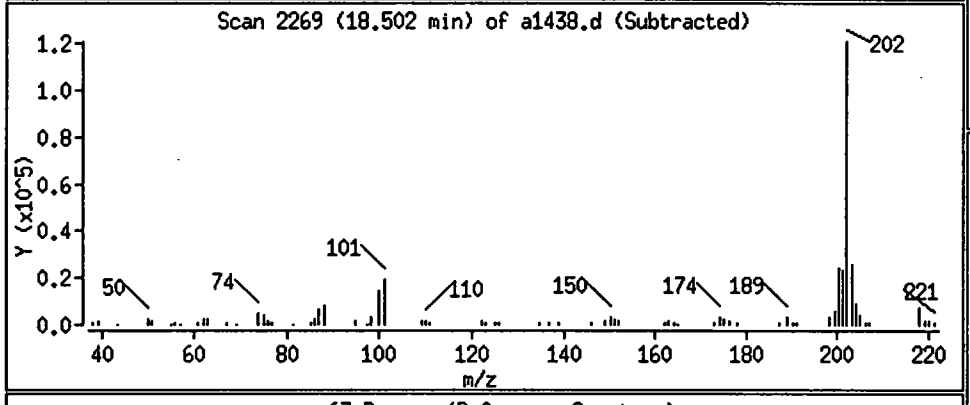
Column phase: hp-5MS

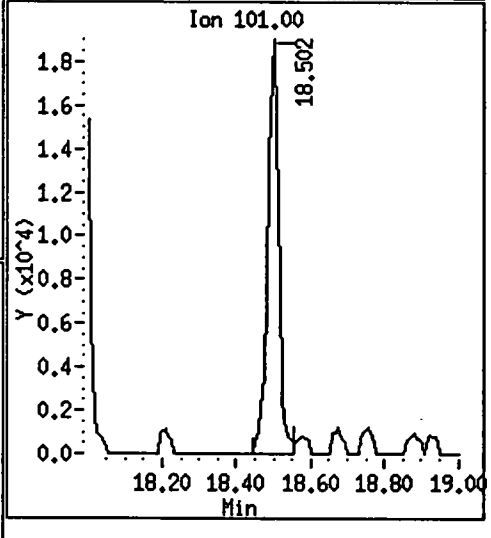
Column diameter: 0.25

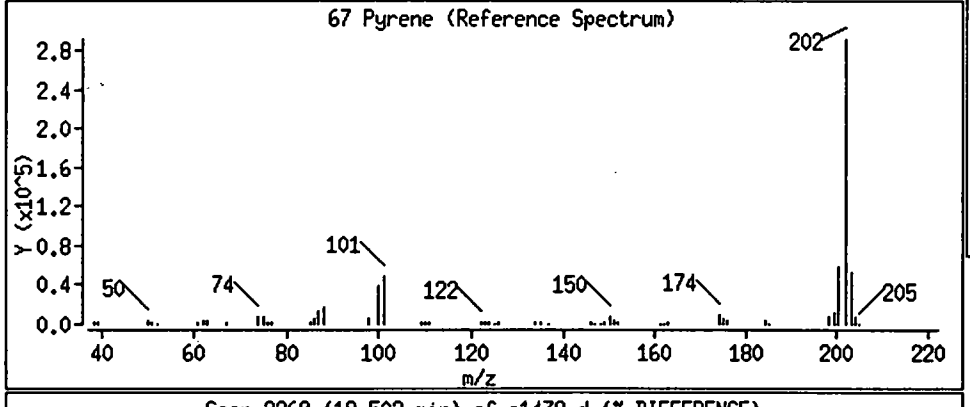
67 Pyrene

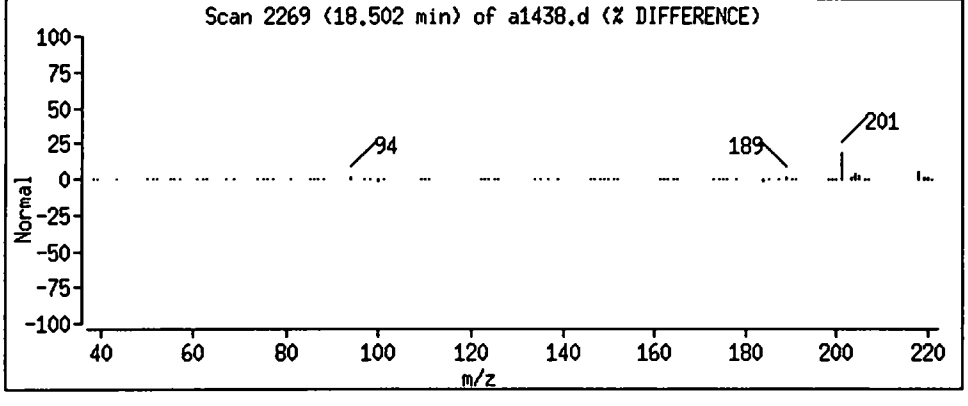












Data File: /wplcsdisk2/hp72a.i/090794.b/a1499.d

Date : 07-SEP-1994 21:38

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-34

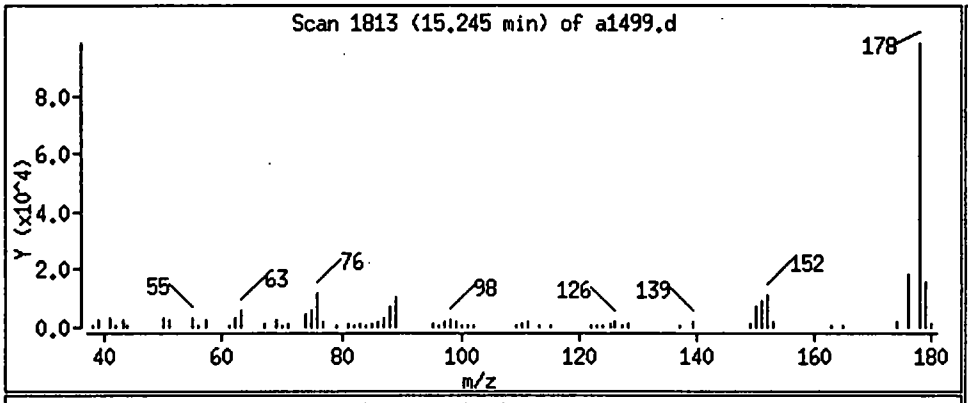
Volume Injected (uL): 1.0

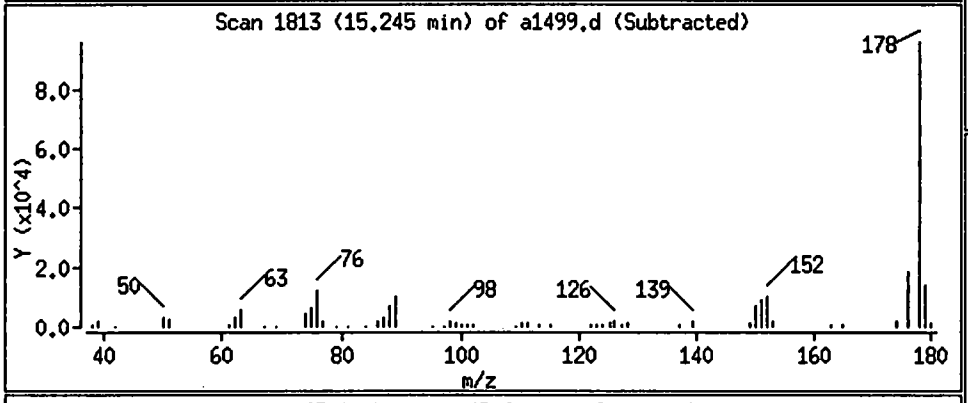
Operator:

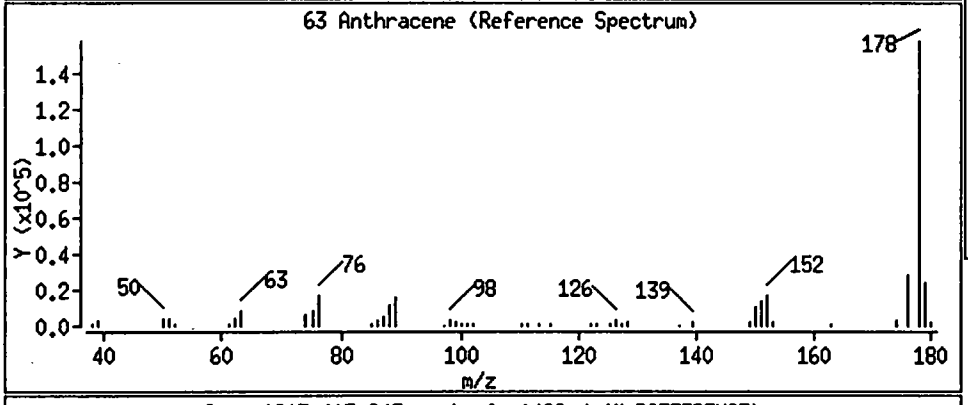
Column phase: hp-5MS

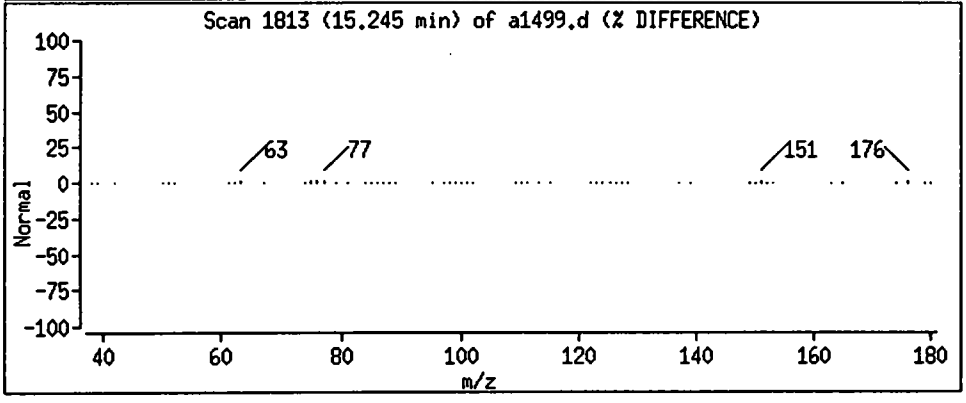
Column diameter: 0.25

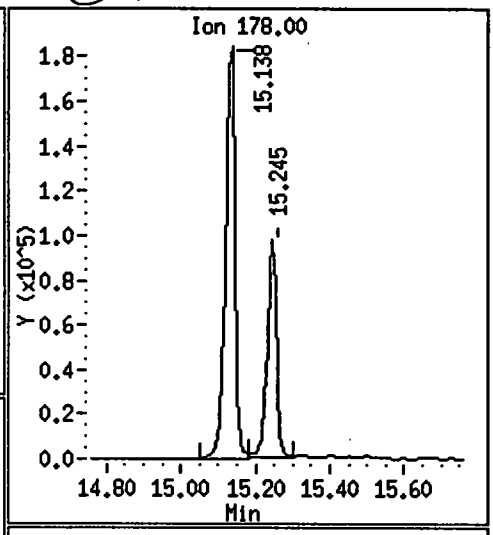
63 Anthracene

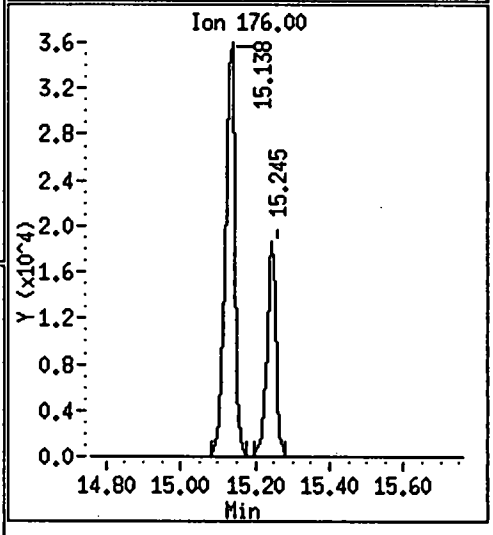












Data File: /uplcsdisk2/hp72a.i/090794.b/a1499.d

Date : 07-SEP-1994 21:38

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-34

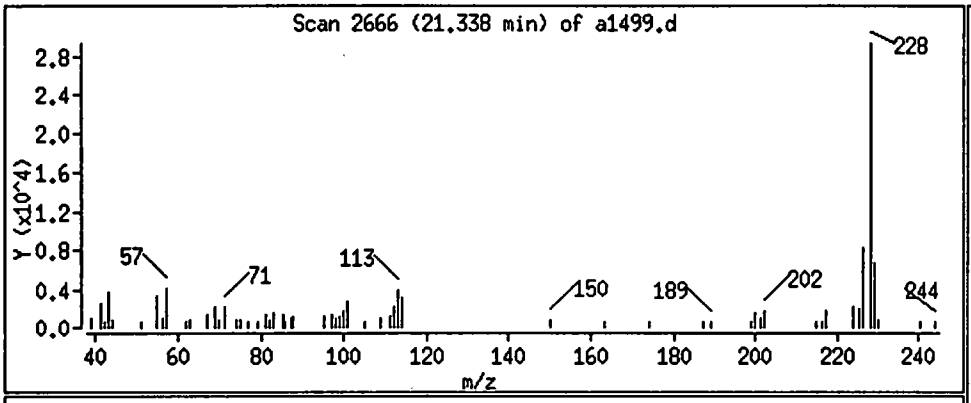
Volume Injected (uL): 1.0

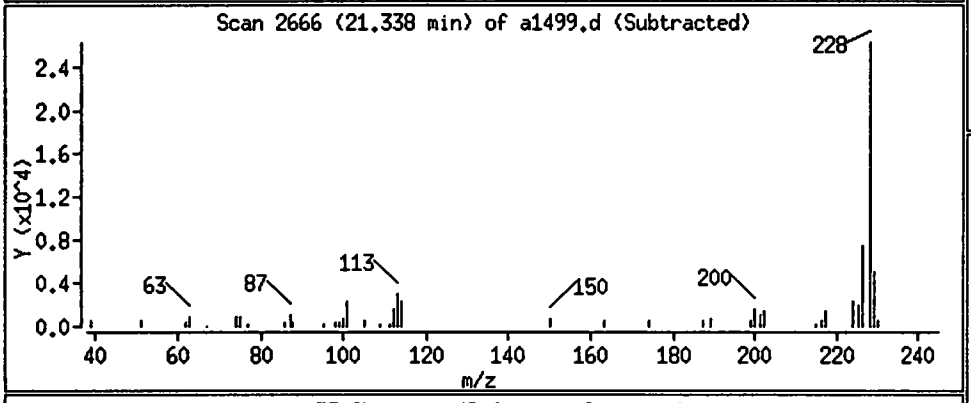
Operator:

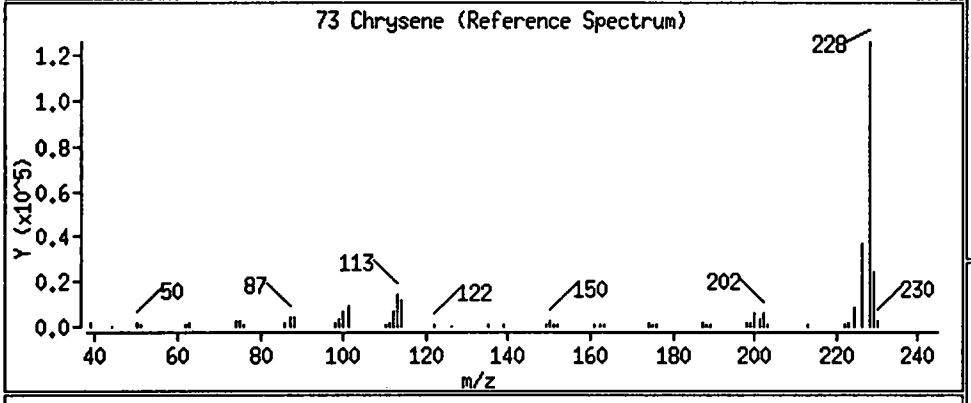
Column phase: hp-5MS

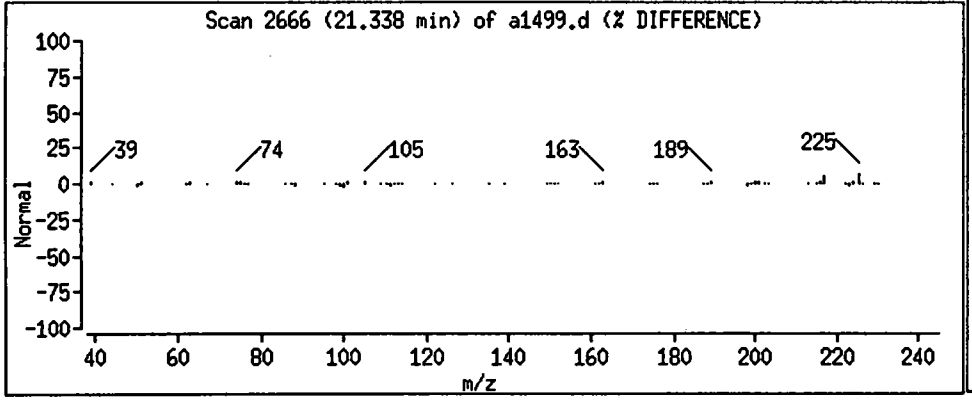
Column diameter: 0.25

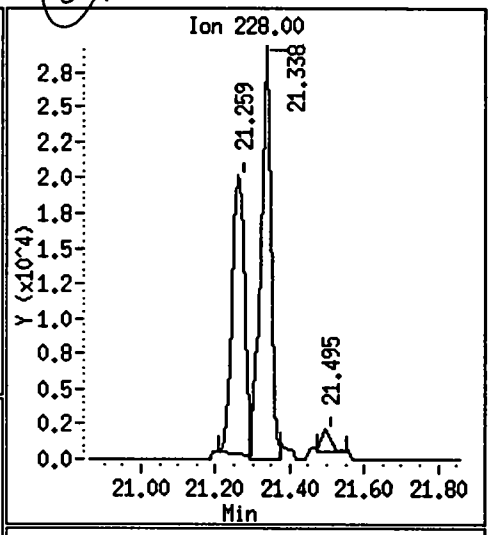
73 Chrysene

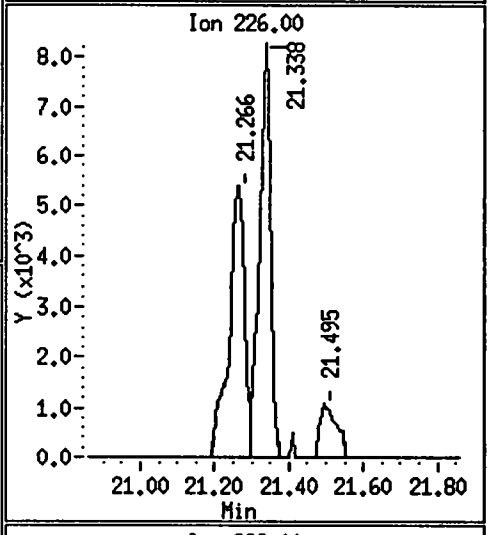


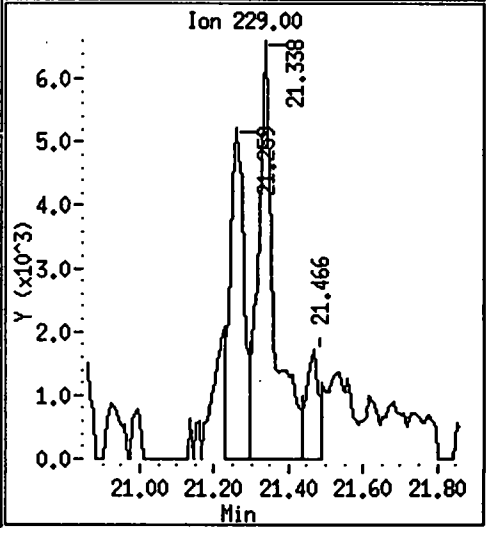












Data File: /wplcsdisk2/hp72a.i/090794.b/a1499.d

Date : 07-SEP-1994 21:38

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-34

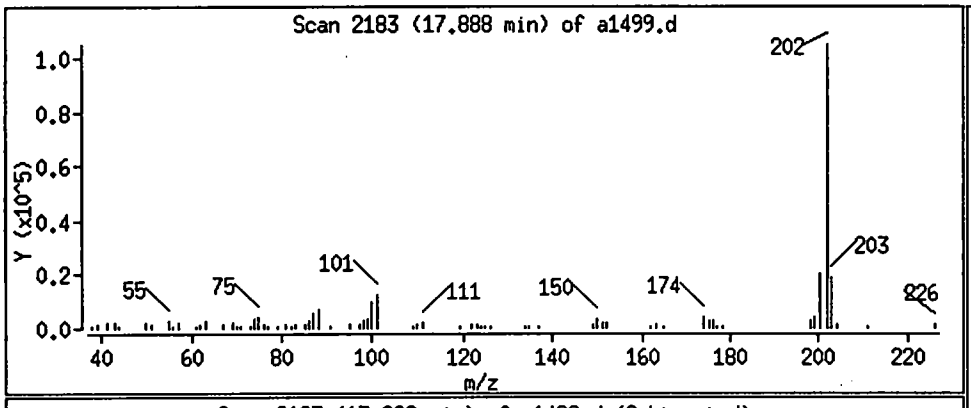
Volume Injected (uL): 1.0

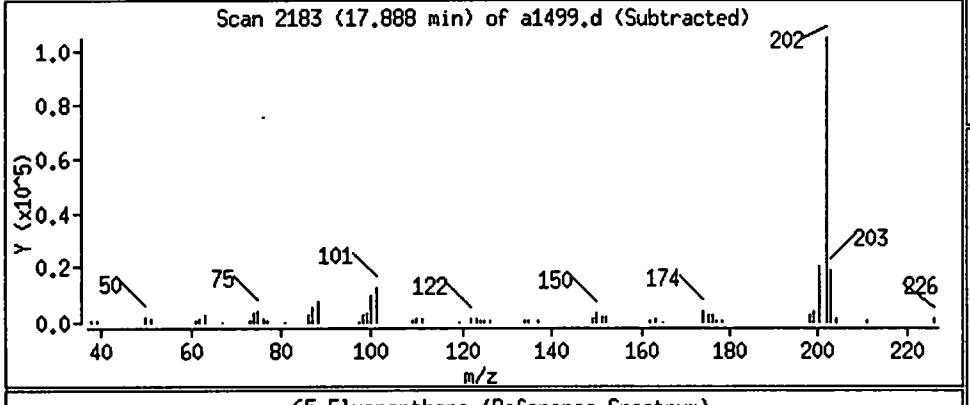
Operator:

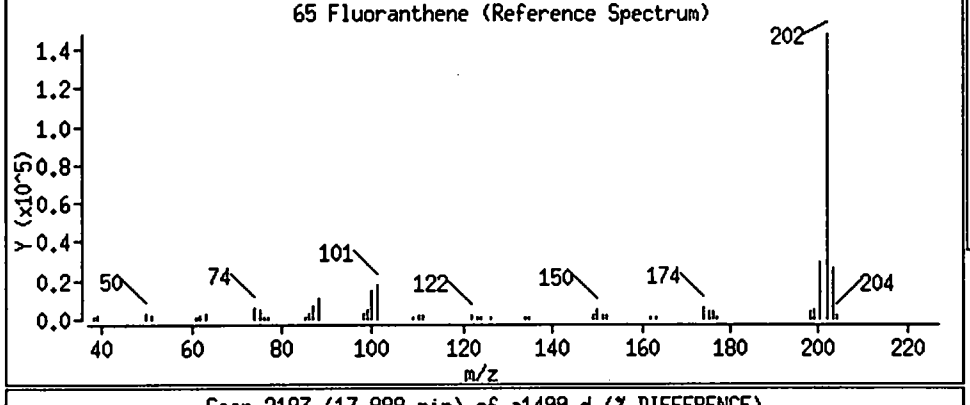
Column phase: hp-5MS

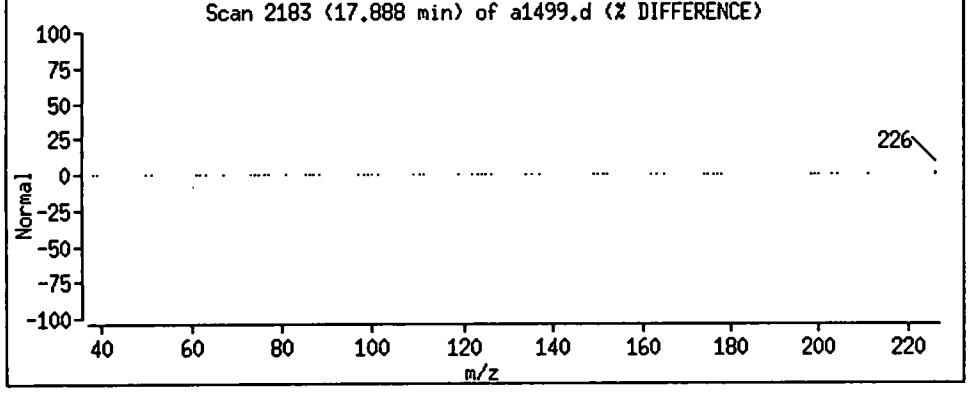
Column diameter: 0.25

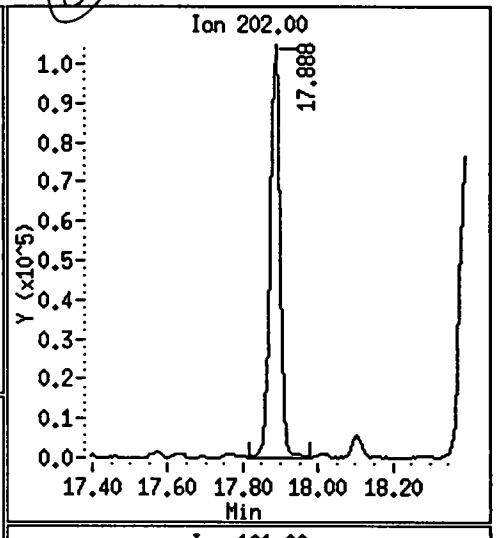
65 Fluoranthene

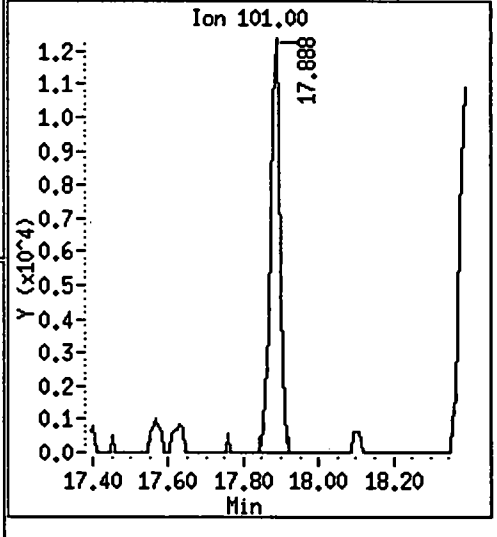












Data File: /wplcsdisk2/hp72a.i/090794.b/a1499.d

Date : 07-SEP-1994 21:38

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-34

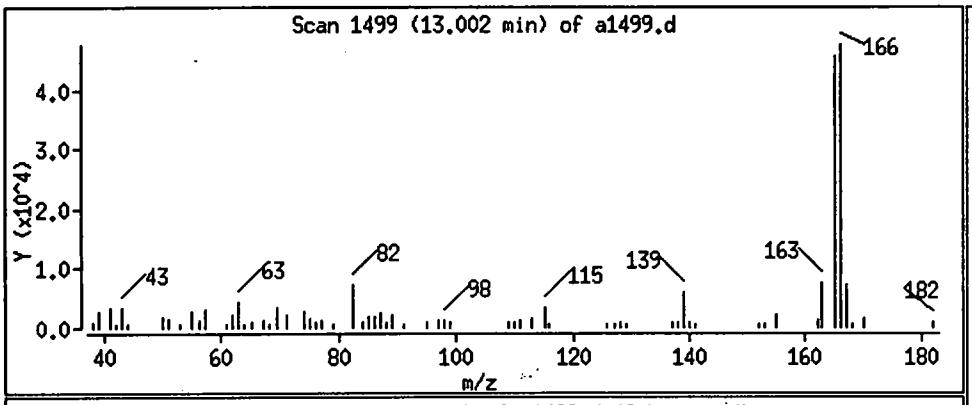
Volume Injected (uL): 1.0

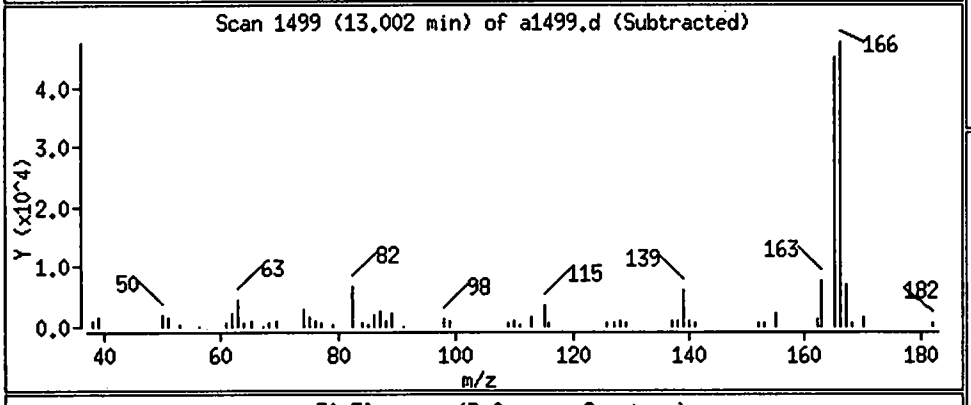
Operator:

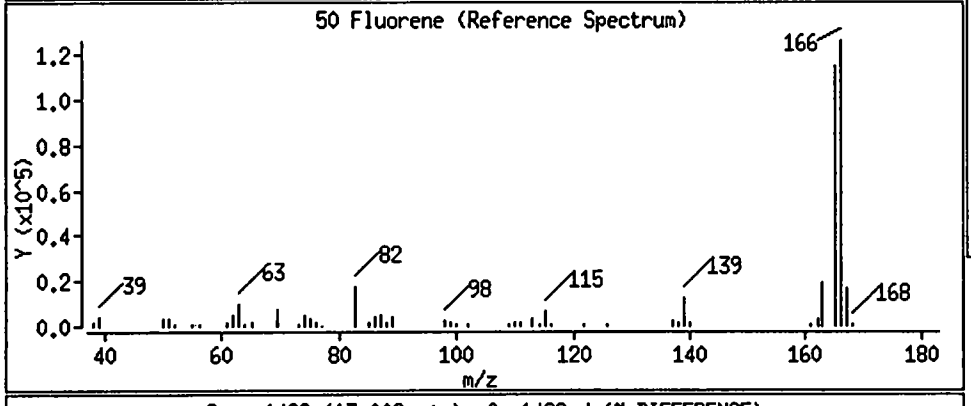
Column phase: hp-5MS

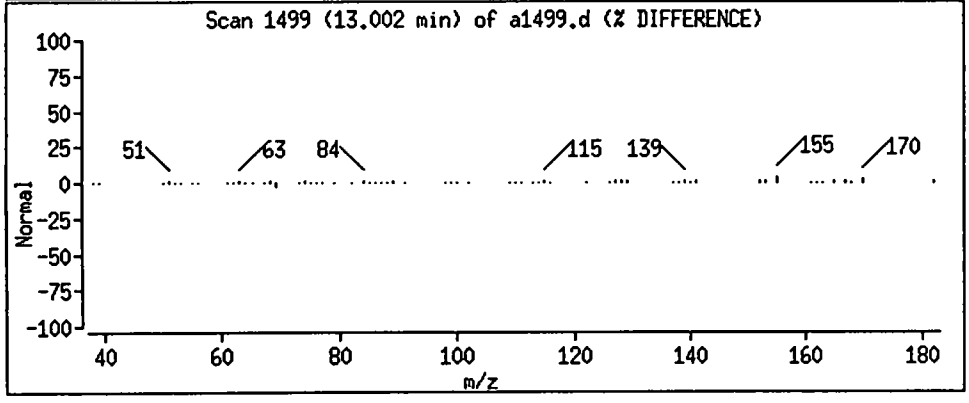
Column diameter: 0.25

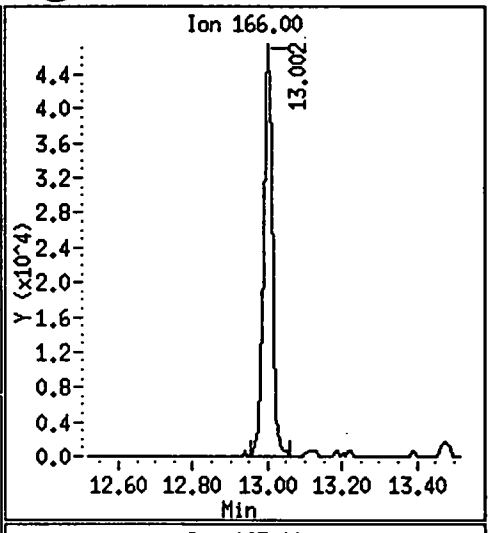
50 Fluorene

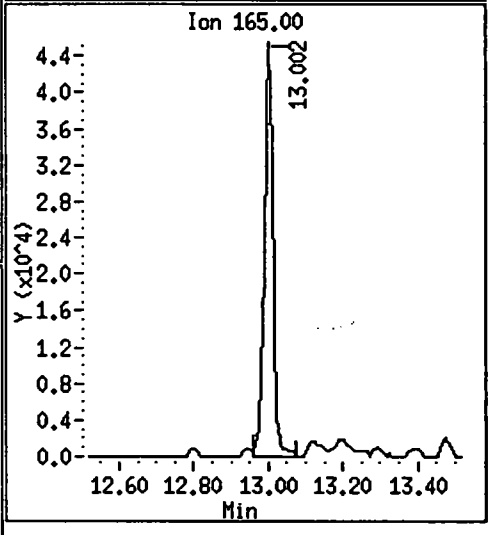












Data File: /wplcsdisk2/hp72a.i/090794.b/a1499.d

Date : 07-SEP-1994 21:38

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-34

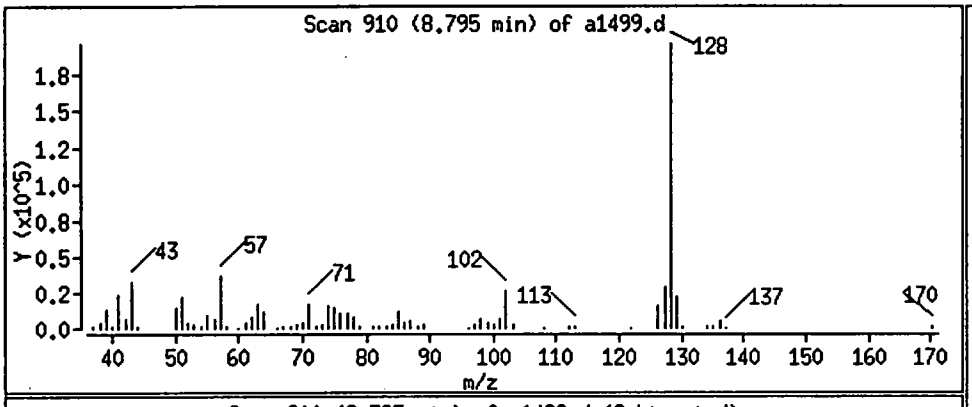
Volume Injected (uL): 1.0

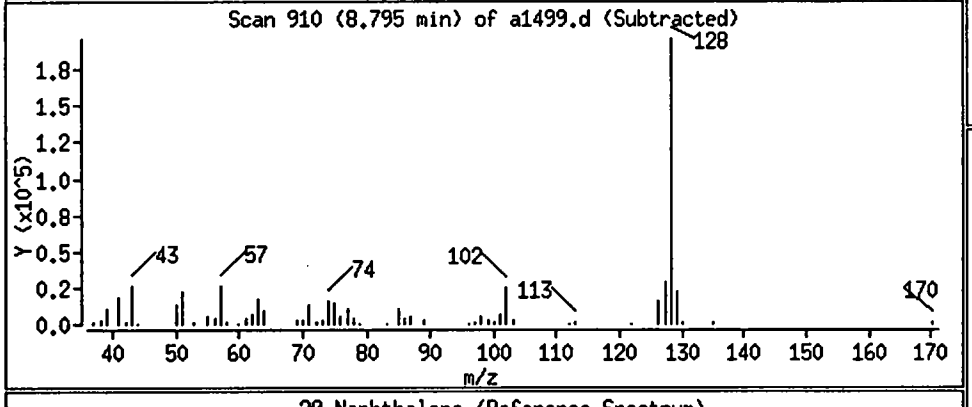
Operator:

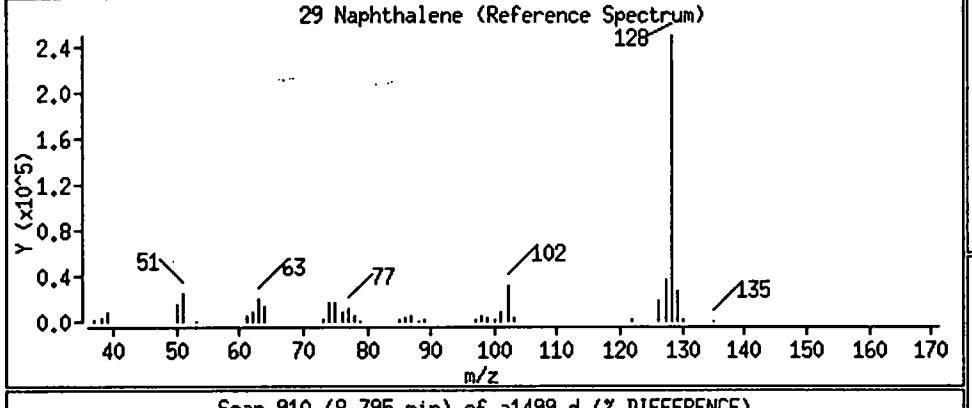
Column phase: hp-5MS

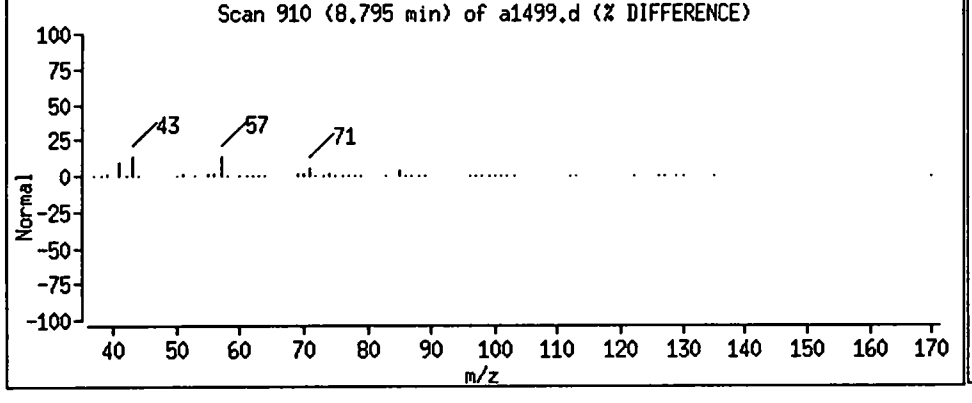
Column diameter: 0.25

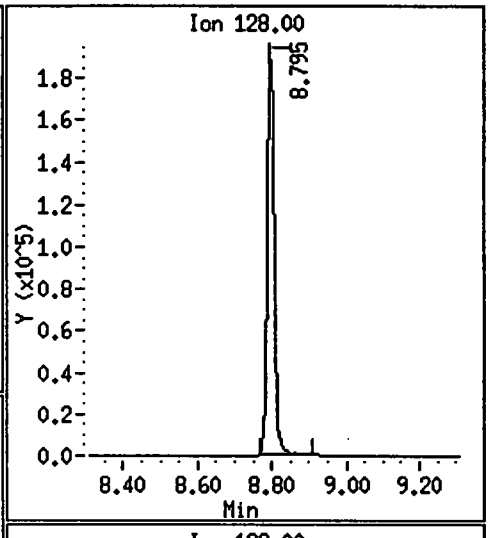
29 Naphthalene

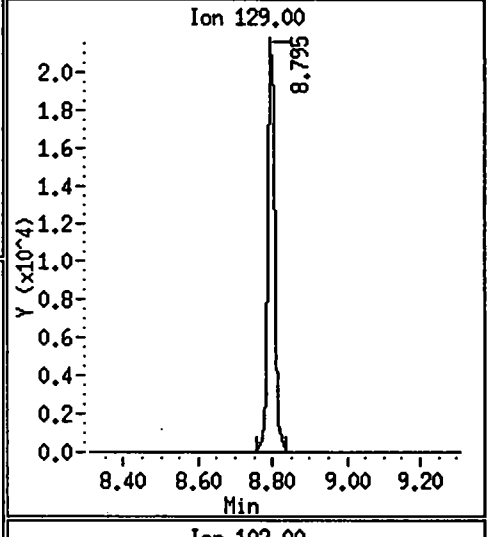


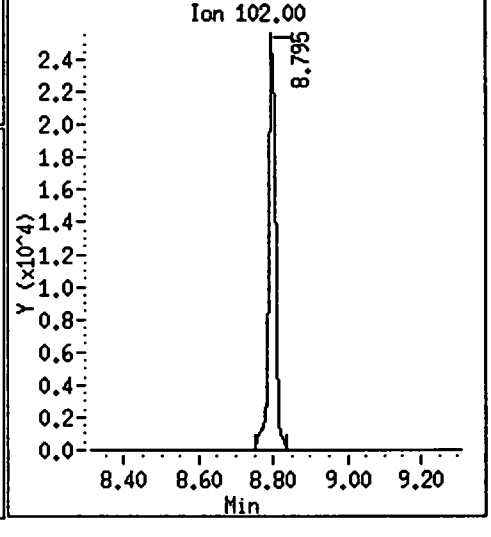












Data File: /wplcsdisk2/hp72a.i/090794.b/a1499.d

Date : 07-SEP-1994 21:38

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-34

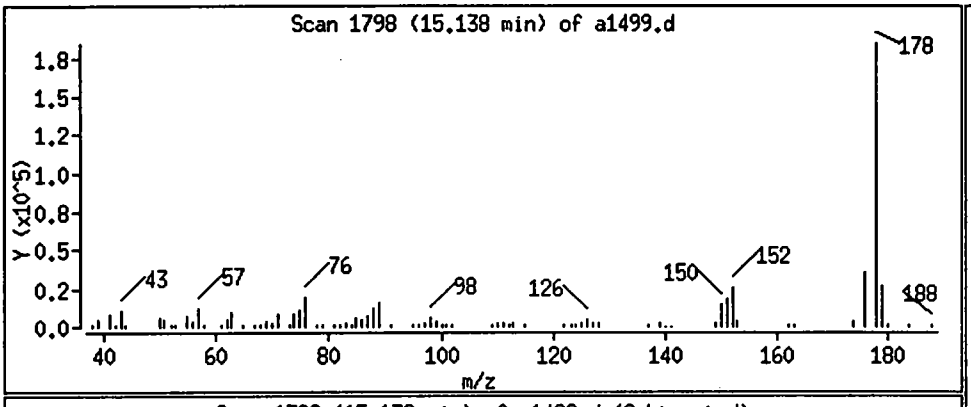
Volume Injected (uL): 1.0

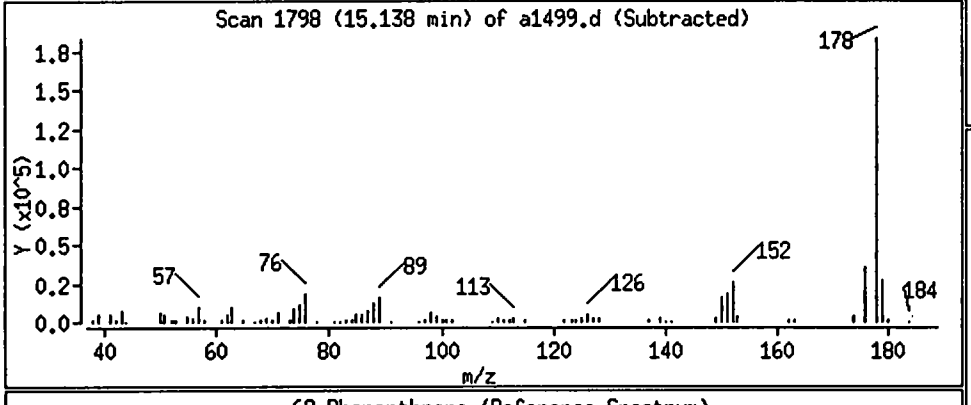
Operator:

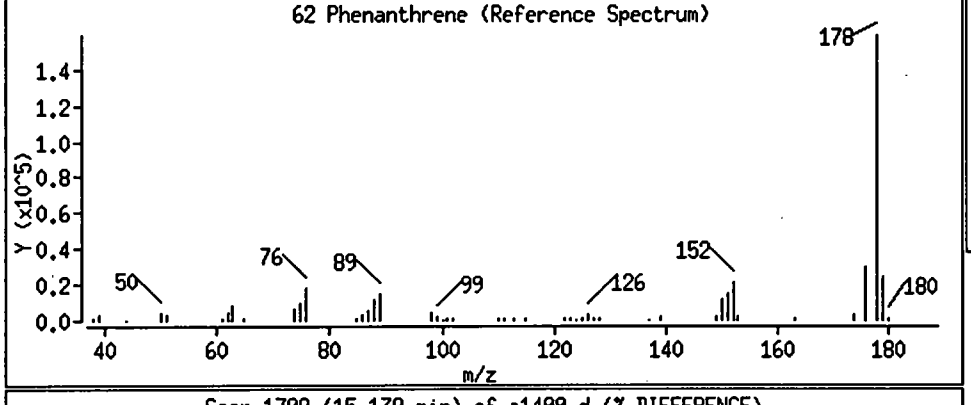
Column phase: hp-5MS

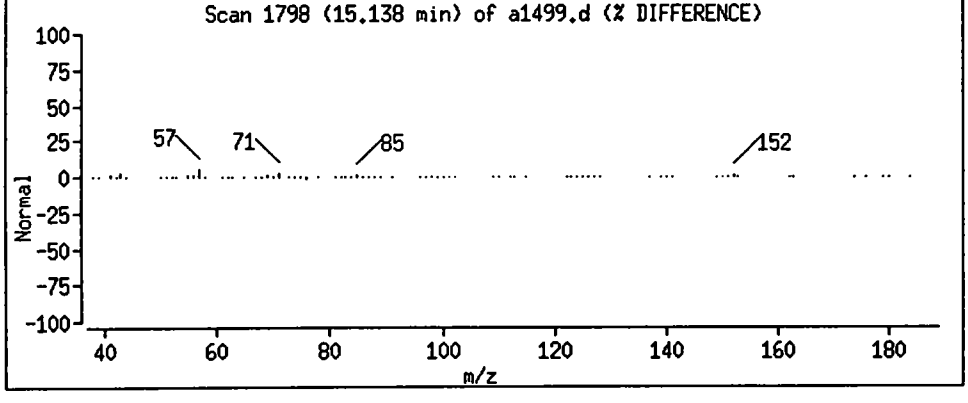
Column diameter: 0.25

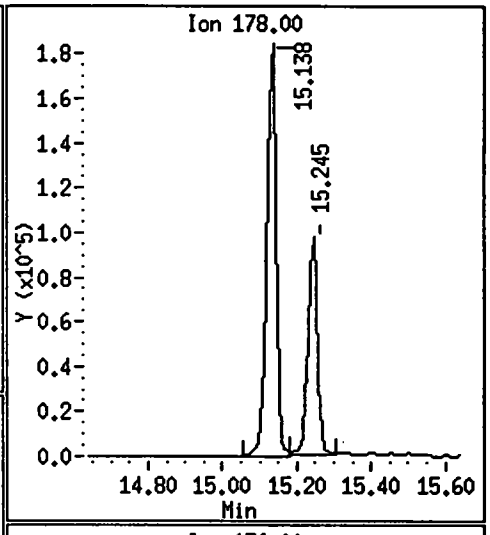
62 Phenanthrene

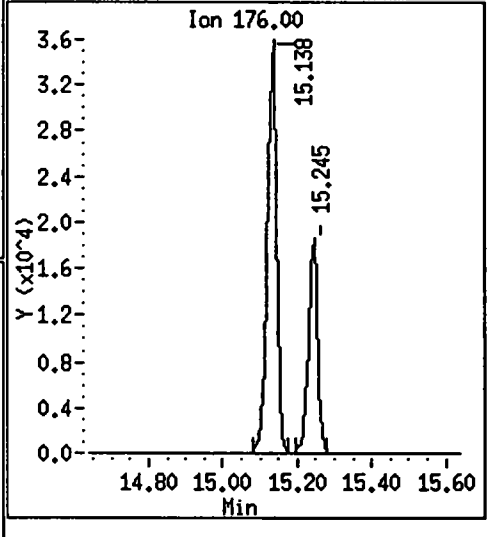












Data File: /wplcsdisk2/hp72a.i/090794.b/a1499.d

Date : 07-SEP-1994 21:38

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-34

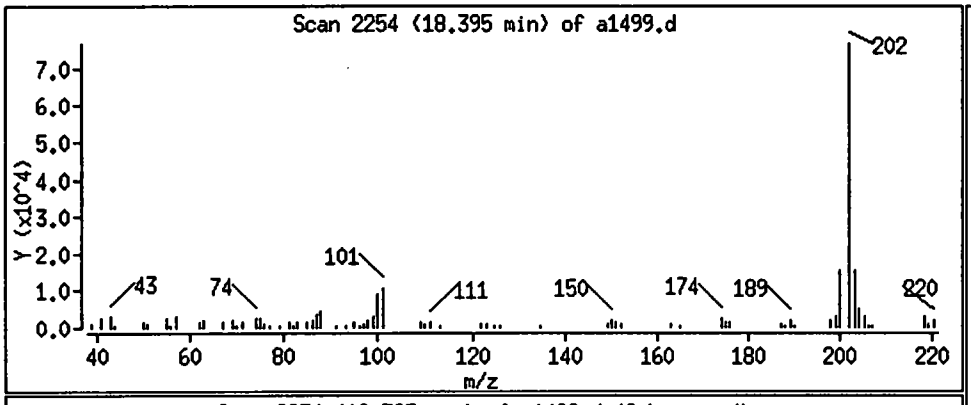
Volume Injected (uL): 1.0

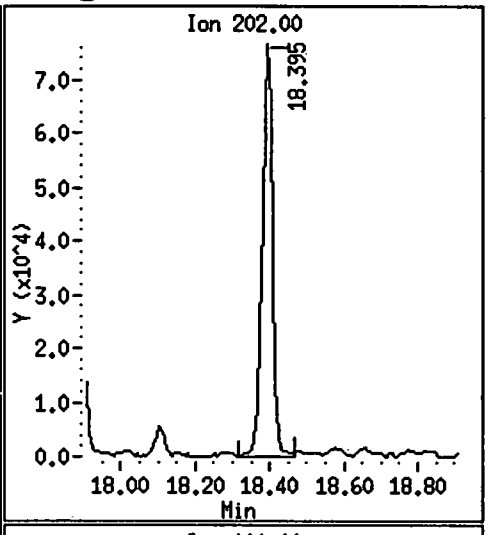
Operator:

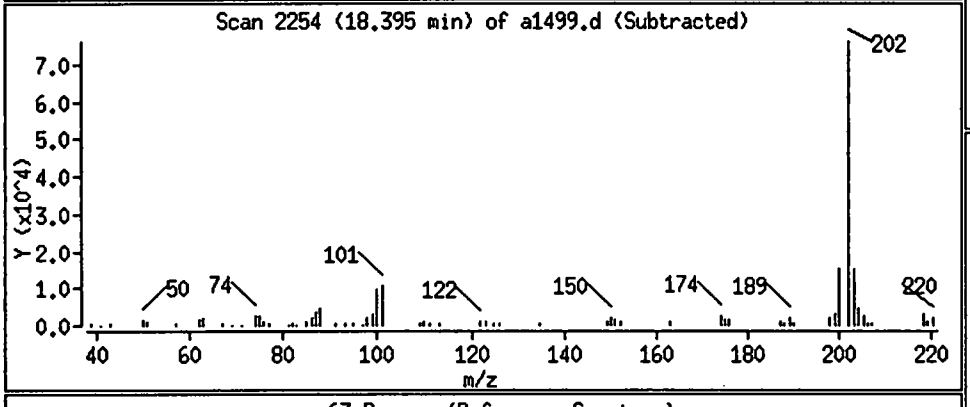
Column phase: hp-5MS

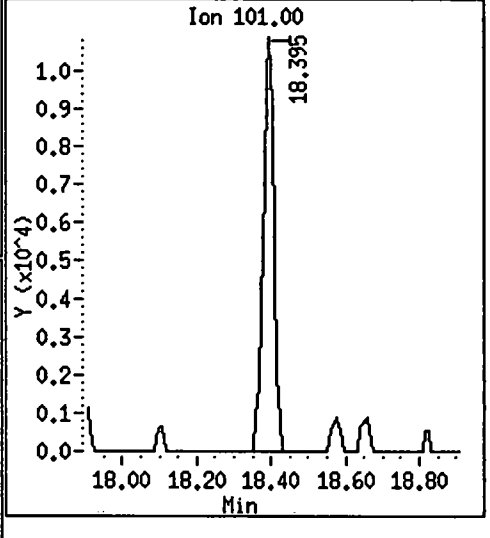
Column diameter: 0.25

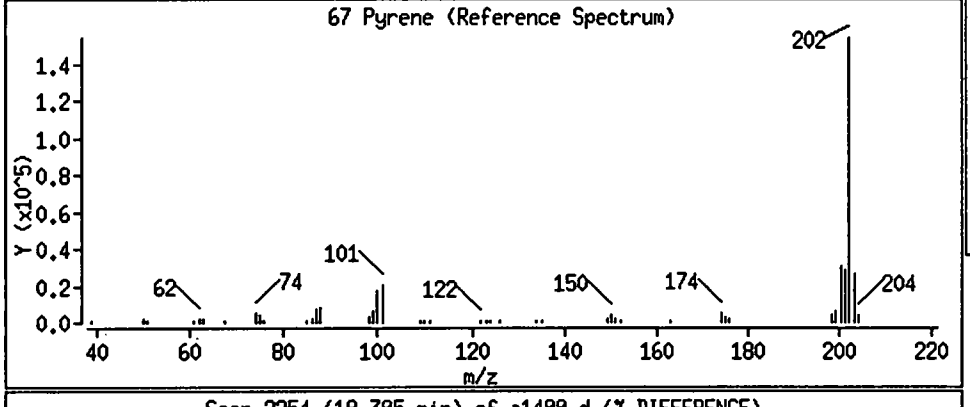
67 Pyrene

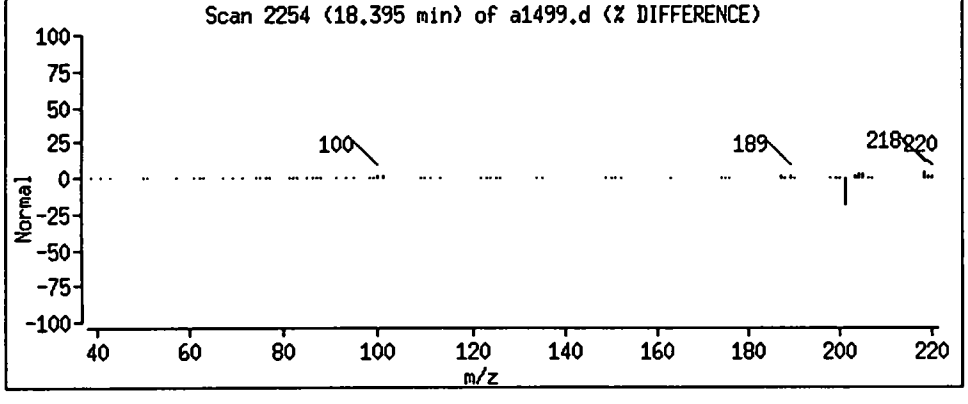












Data File: /wplcsdisk2/hp72a.i/090594.b/a1454.d

Date : 05-SEP-1994 16:51

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-37

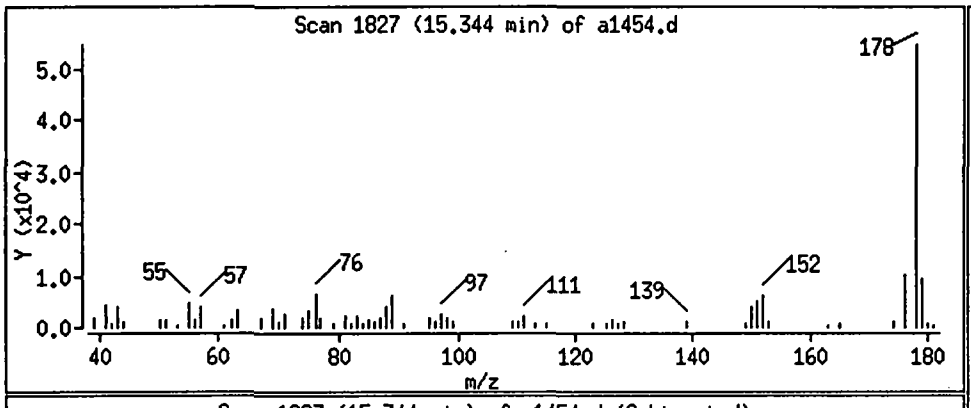
Volume Injected (uL): 1.0

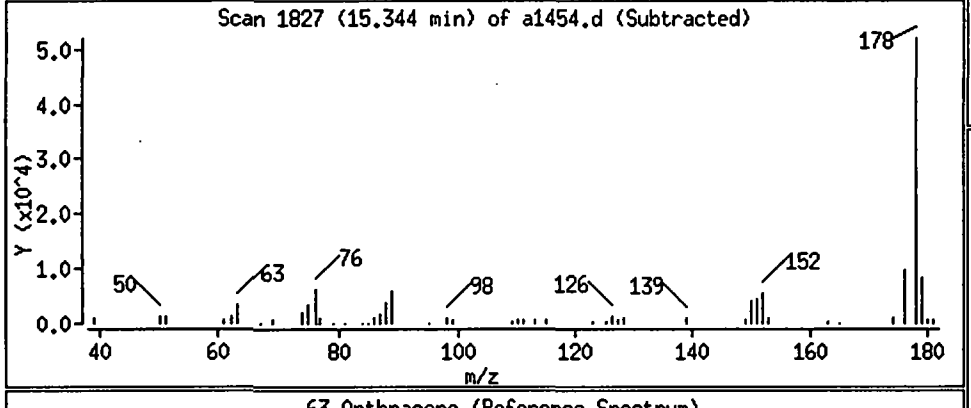
Operator:

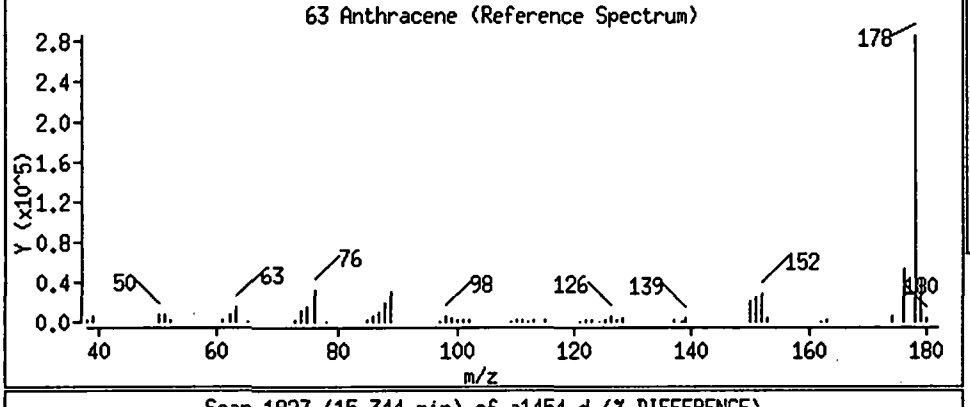
Column phase: hp-5MS

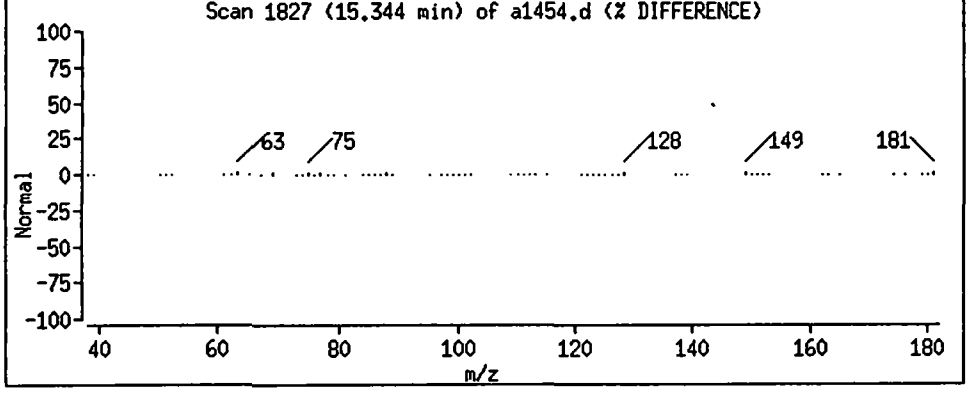
Column diameter: 0.25

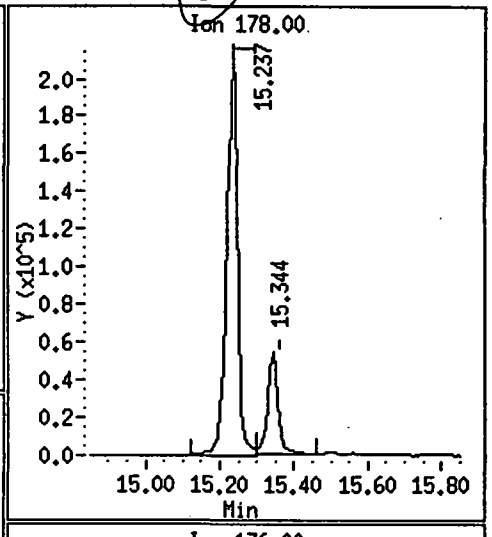
63 Anthracene

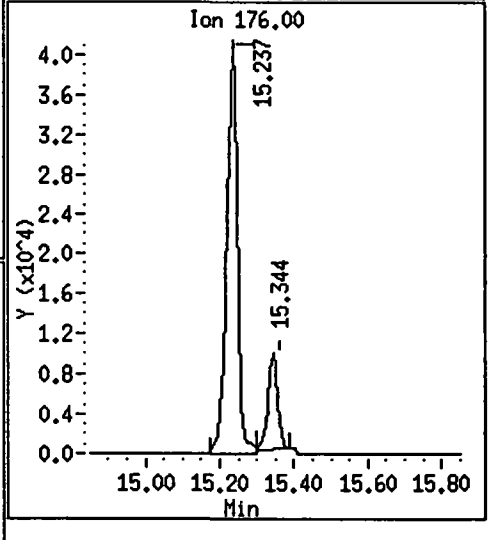












Data File: /wplcsdisk2/hp72a.i/090594.b/a1454.d

Date : 05-SEP-1994 16:51

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-37

Volume Injected (uL): 1.0

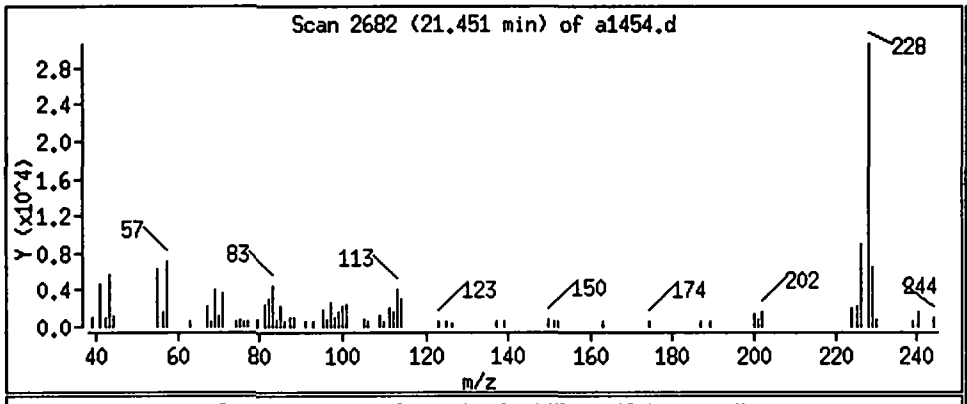
Operator:

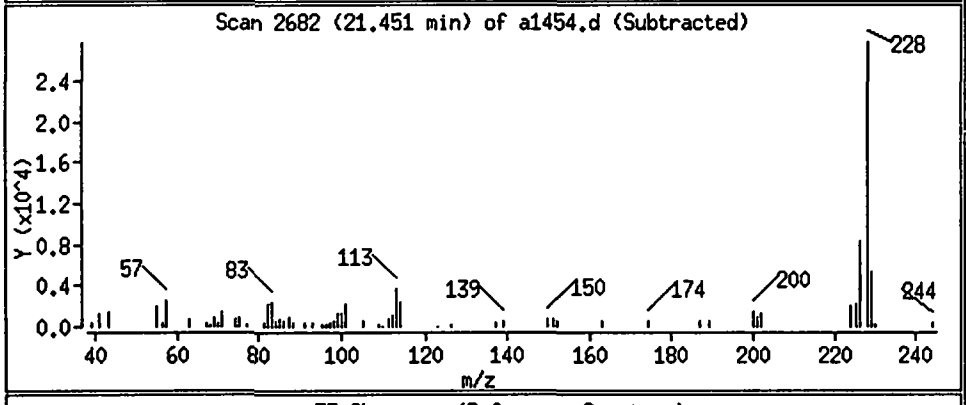
Column phase: hp-5MS

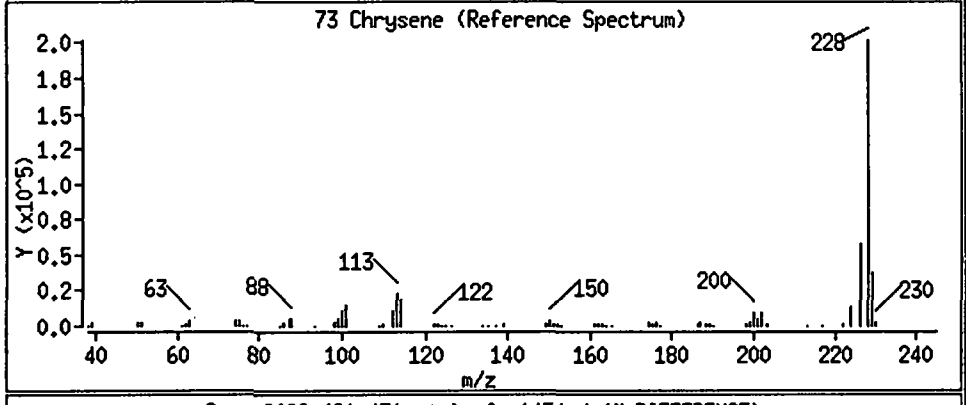
Column diameter: 0.25

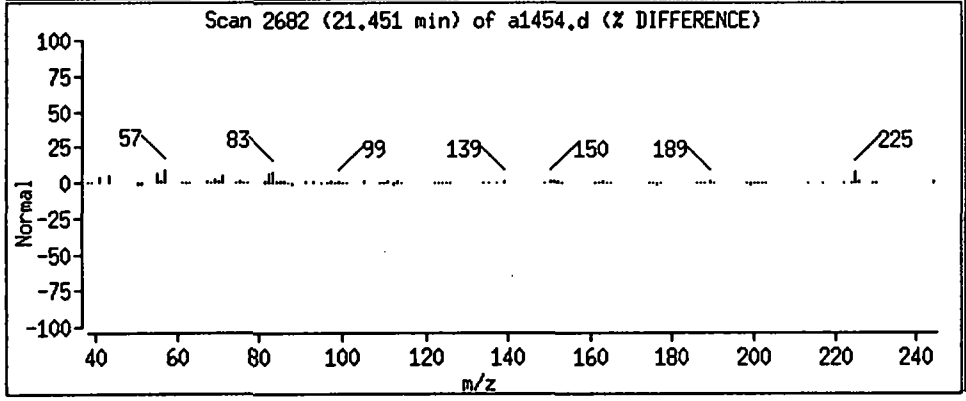
OK ARL

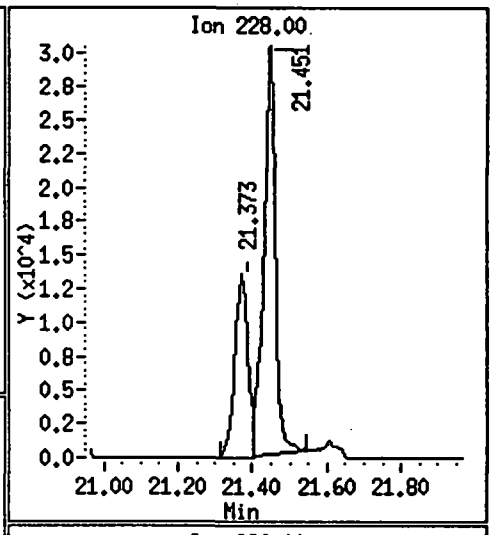
73 Chrysene

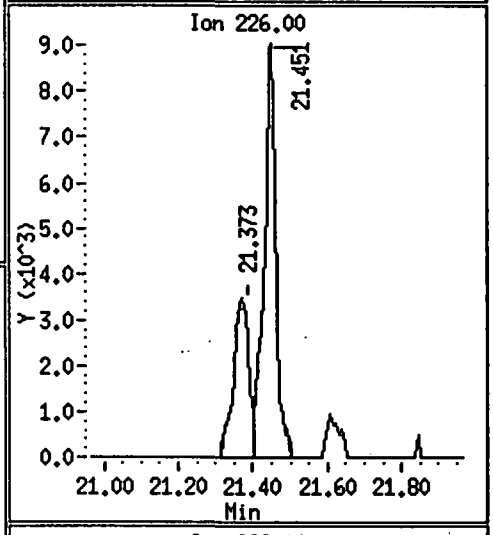


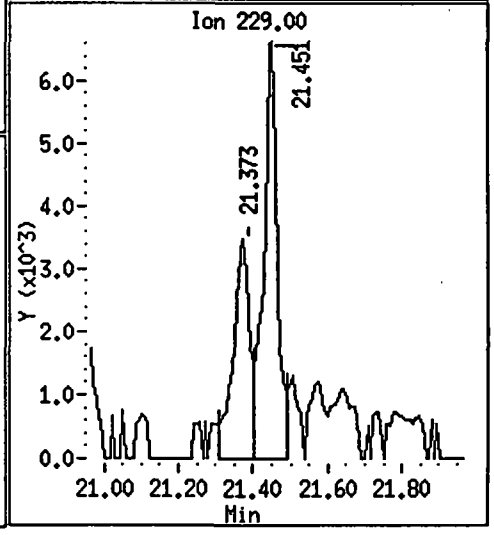












Data File: /wplcsdisk2/hp72a.i/090594.b/a1454.d

Date : 05-SEP-1994 16:51

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-37

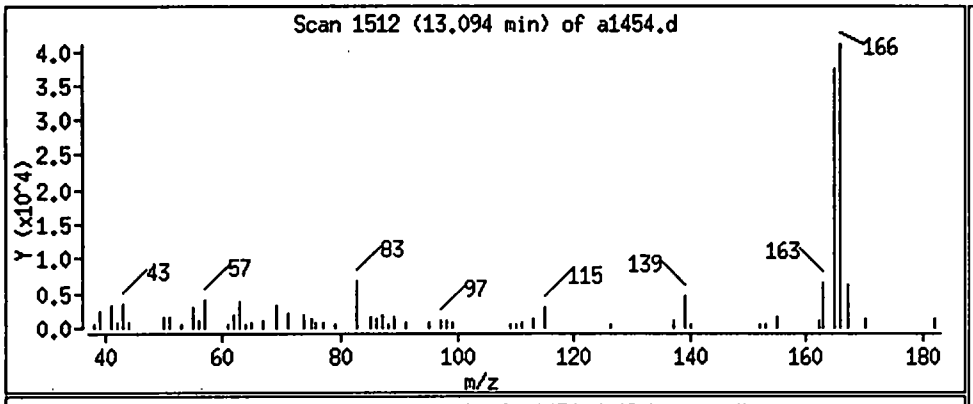
Volume Injected (uL): 1.0

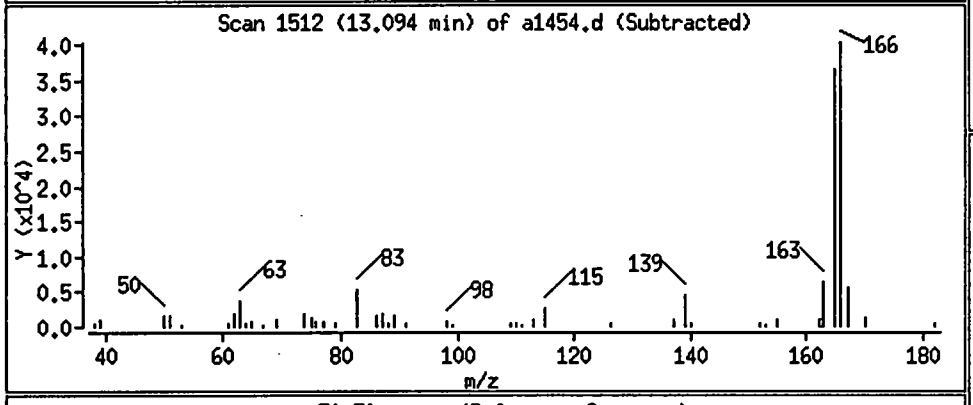
Operator:

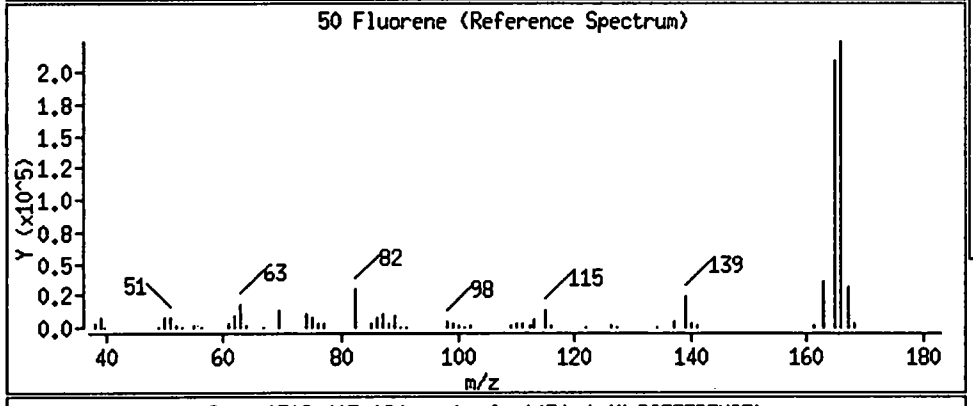
Column phase: hp-5MS

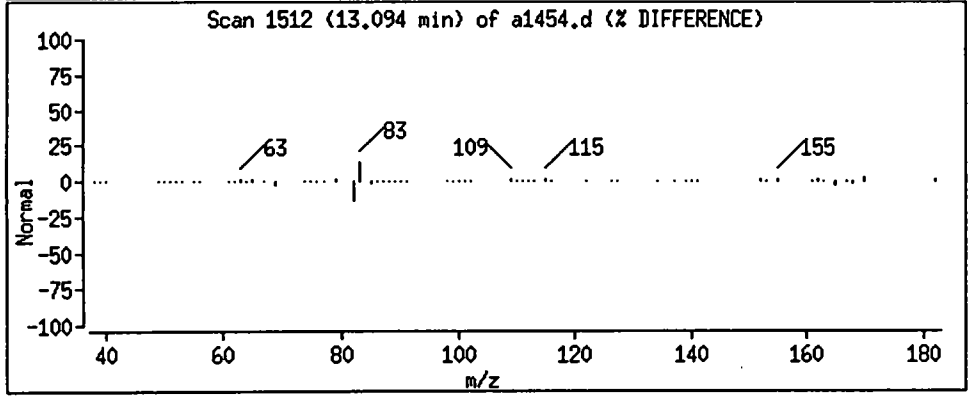
Column diameter: 0.25

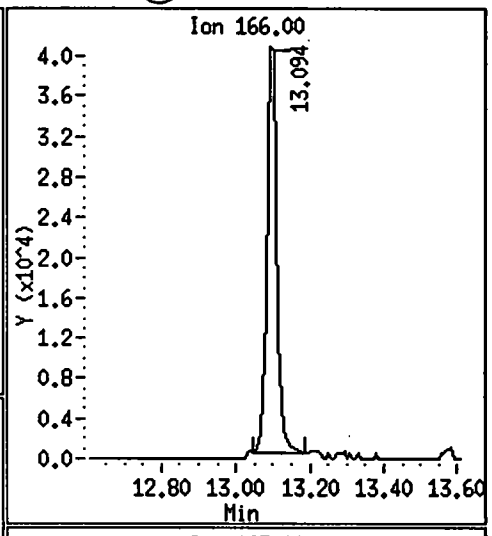
50 Fluorene

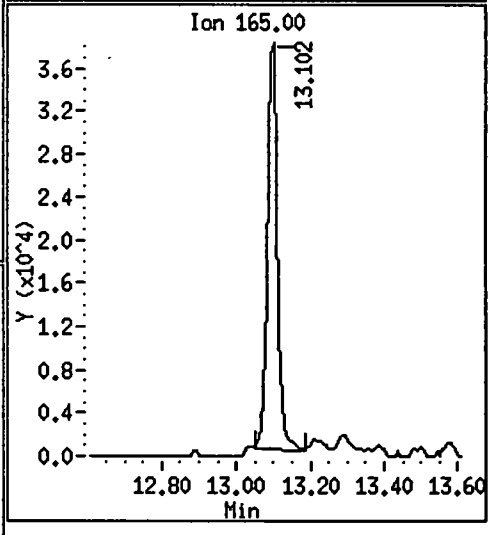












Data File: /uplcsdisk2/hp72a.i/090594.b/a1454.d

Date : 05-SEP-1994 16:51

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-37

Volume Injected (uL): 1.0

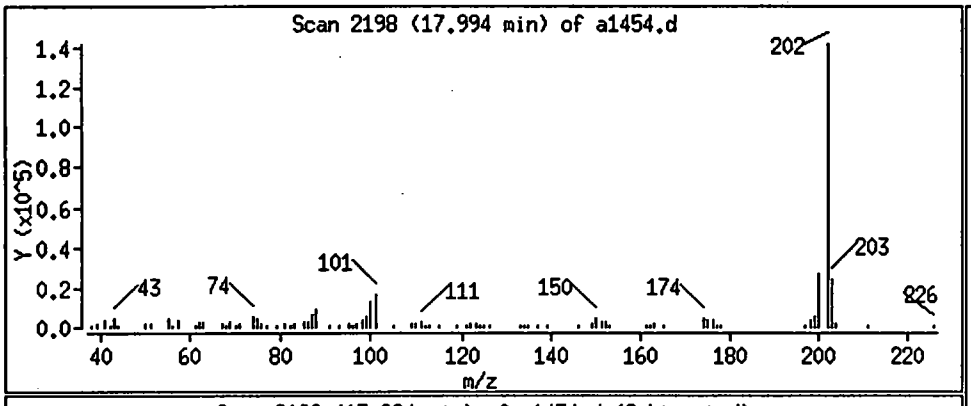
Operator:

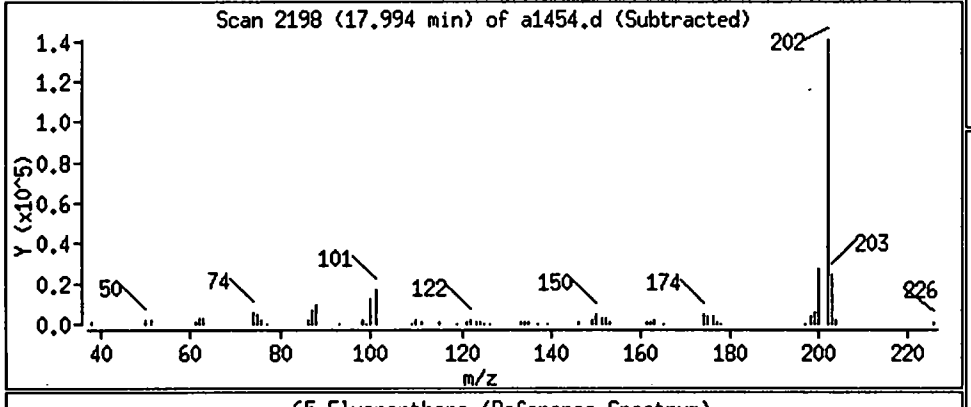
Column phase: hp-5MS

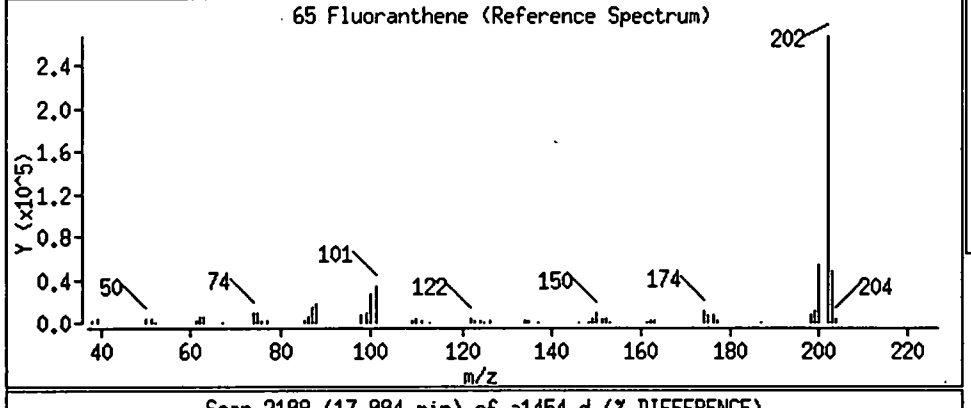
Column diameter: 0.25

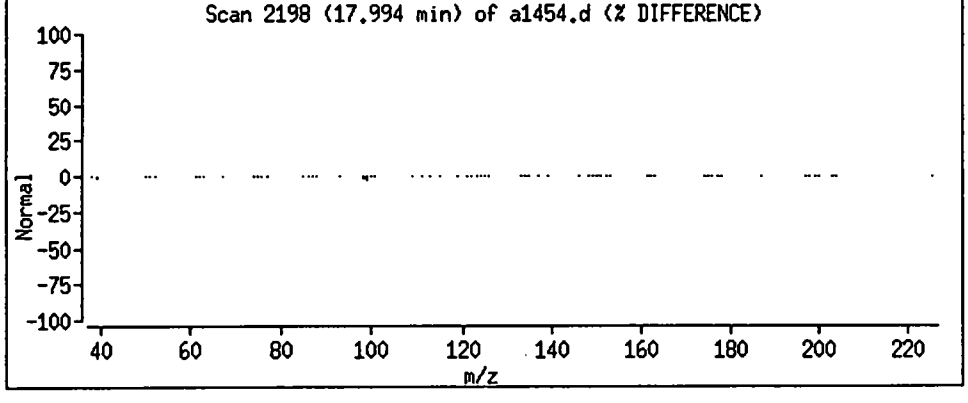
OK ARL

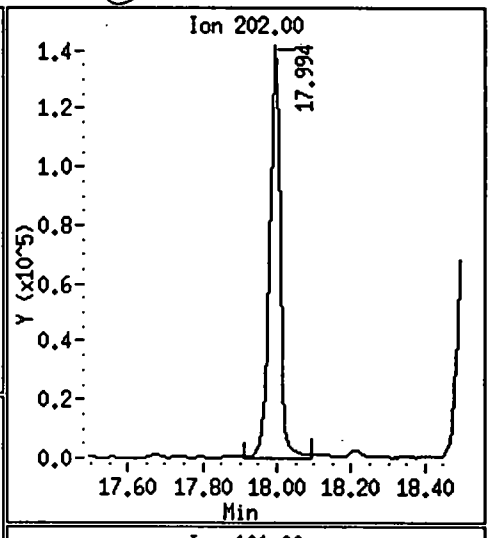
65 Fluoranthene

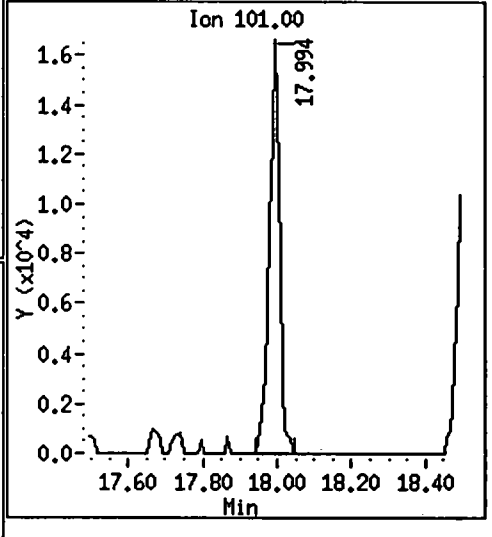












Data File: /wplcsdisk2/hp72a.i/090594.b/a1454.d

Date : 05-SEP-1994 16:51

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5;400/S-2/0826-37

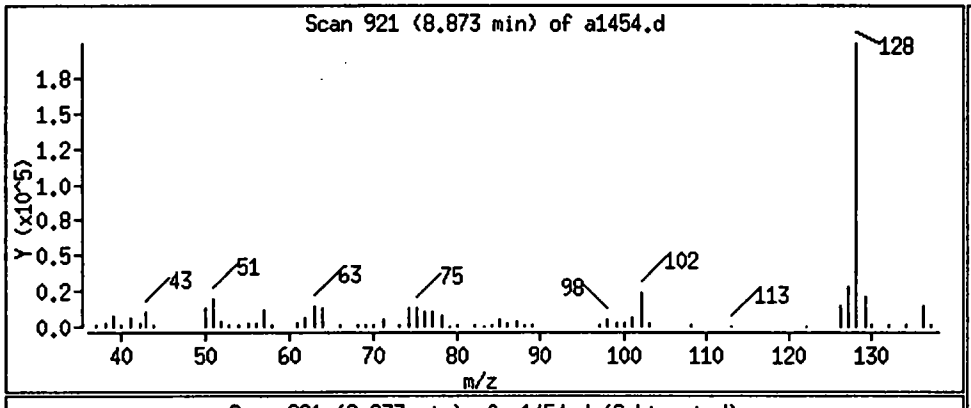
Volume Injected (uL): 1.0

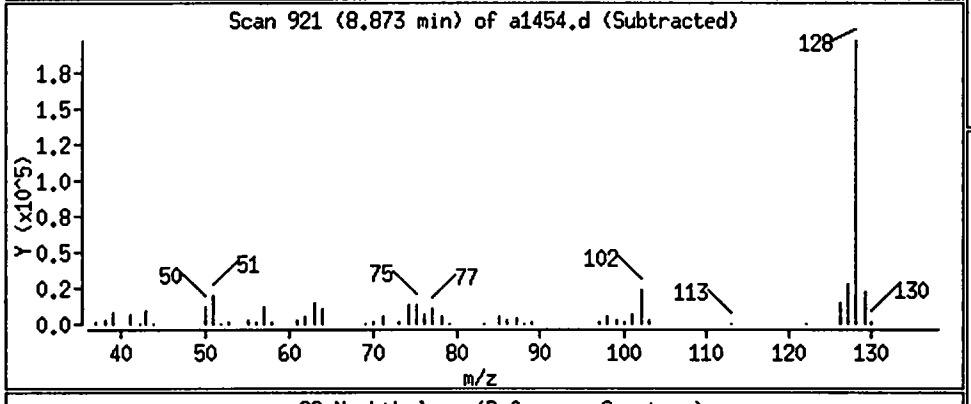
Operator:

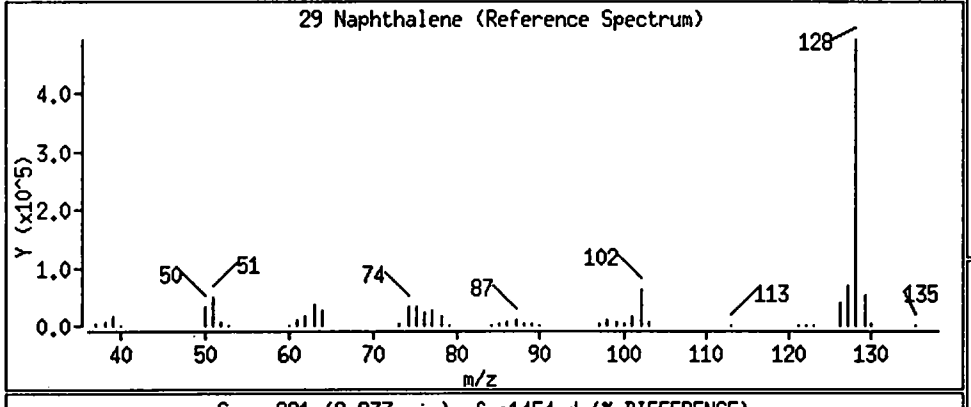
Column phase: hp-5MS

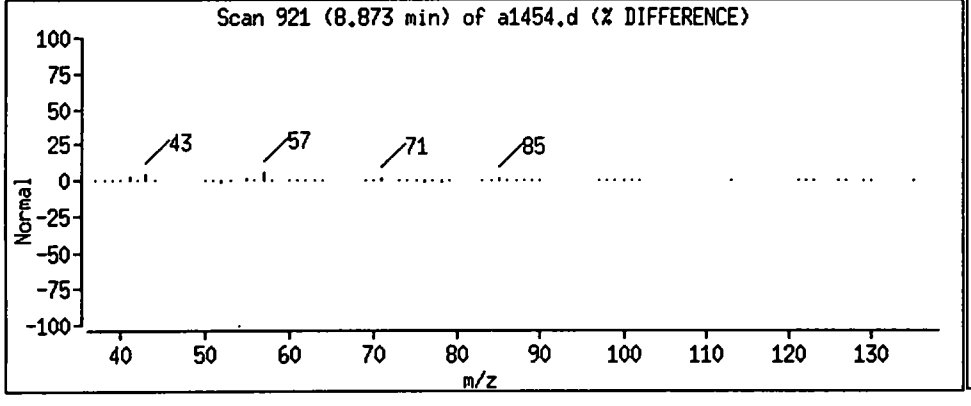
Column diameter: 0.25

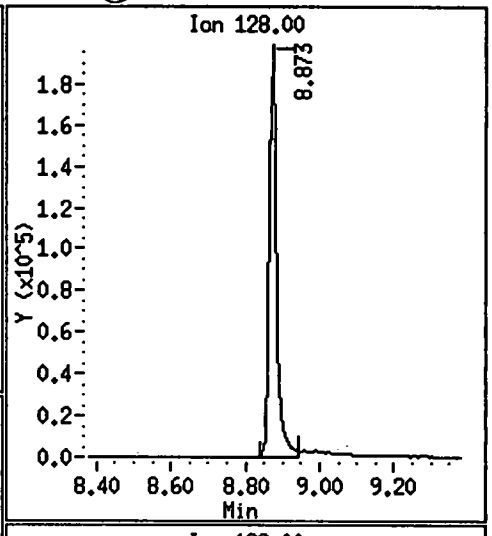
29 Naphthalene

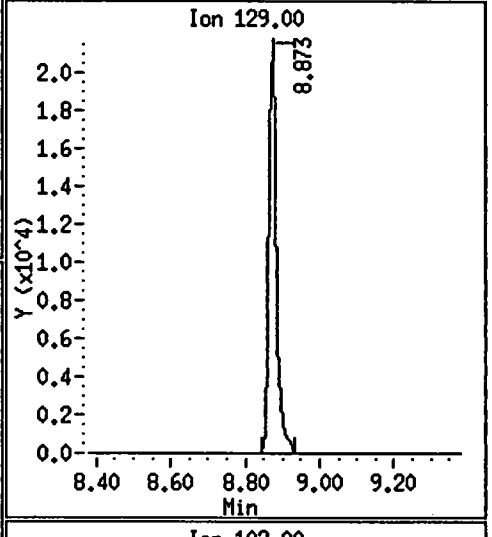


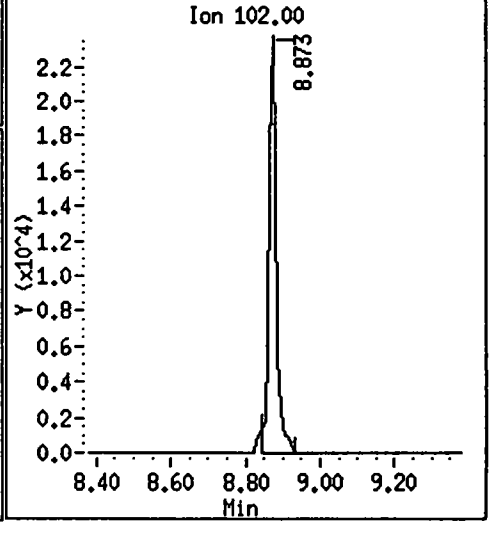












Data File: /wplcsdisk2/hp72a.i/090594.b/a1454.d

Date : 05-SEP-1994 16:51

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-37

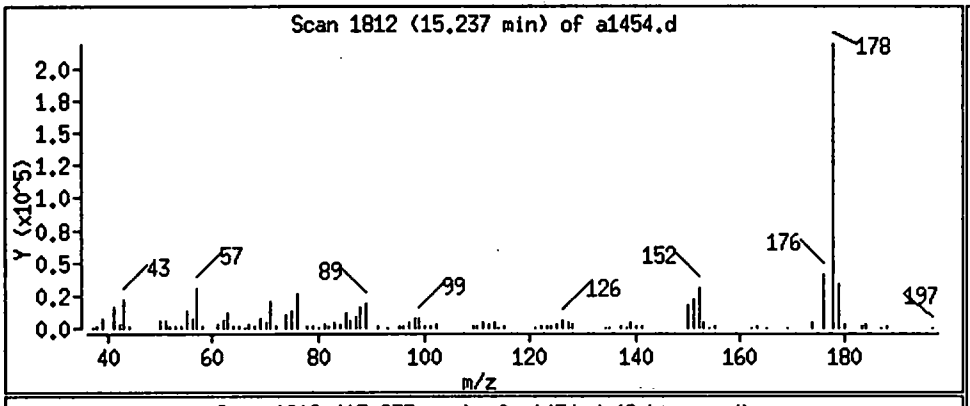
Volume Injected (uL): 1.0

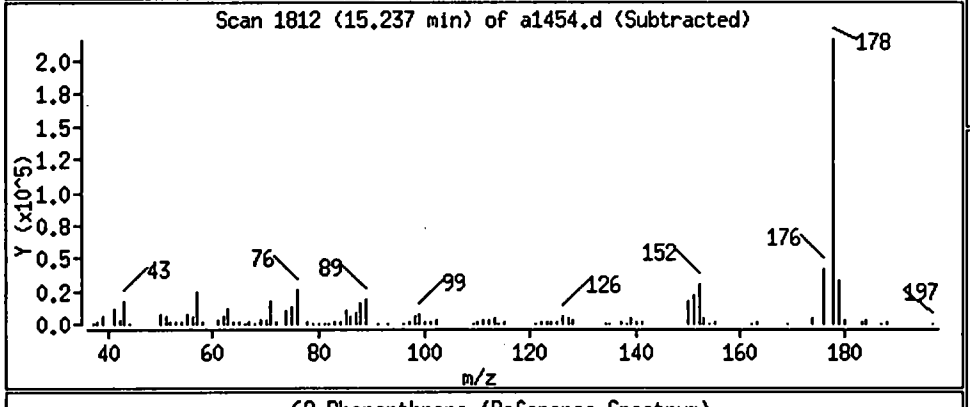
Operator:

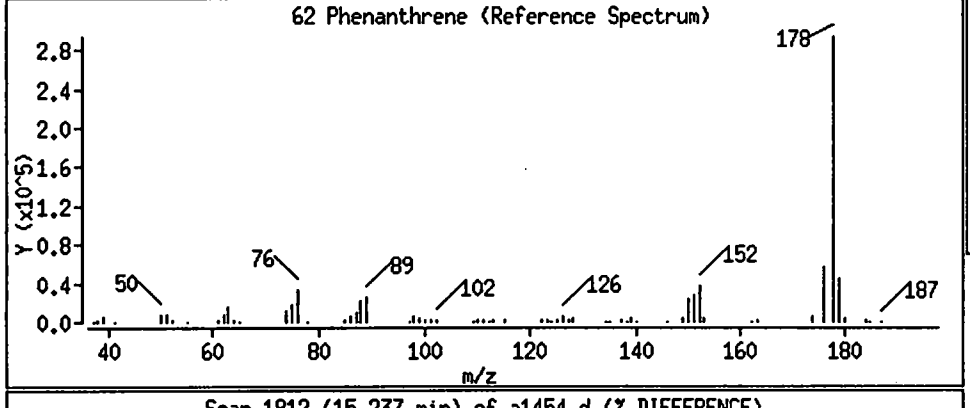
Column phase: hp-5MS

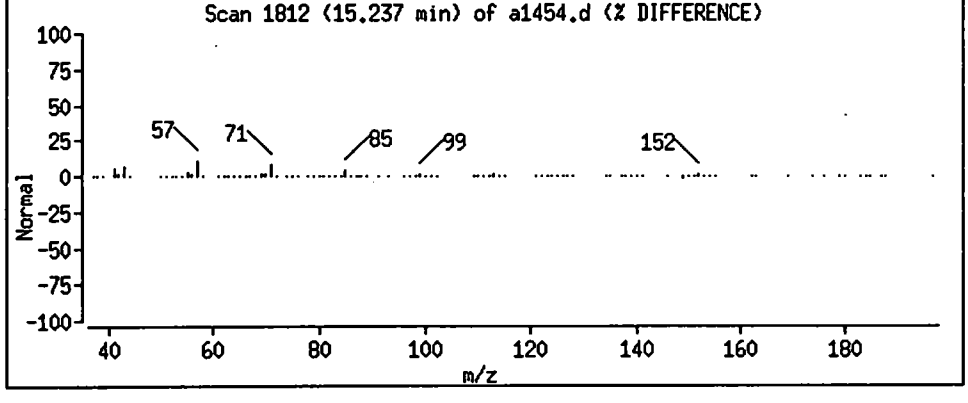
Column diameter: 0.25

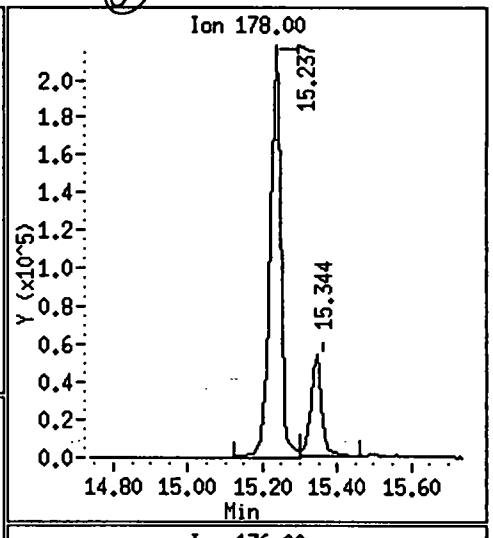
62 Phenanthrene

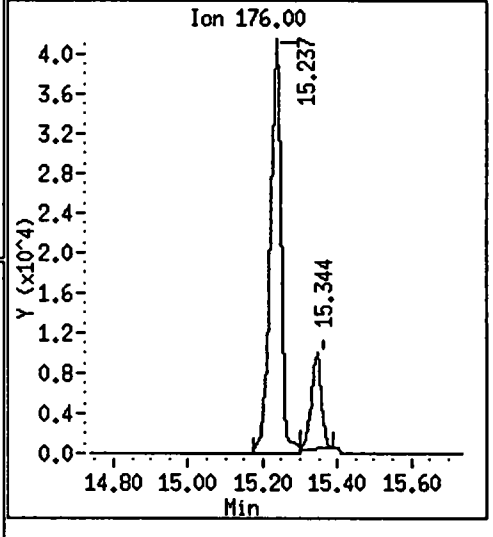






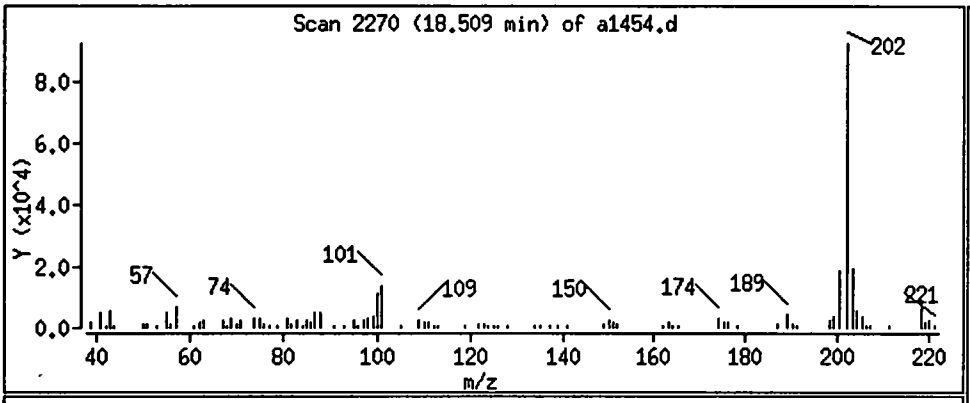


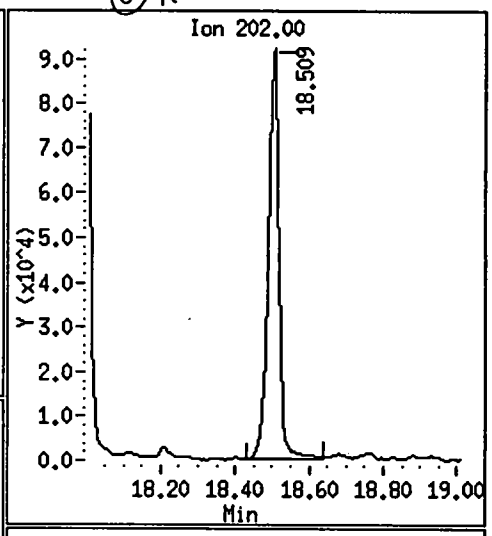


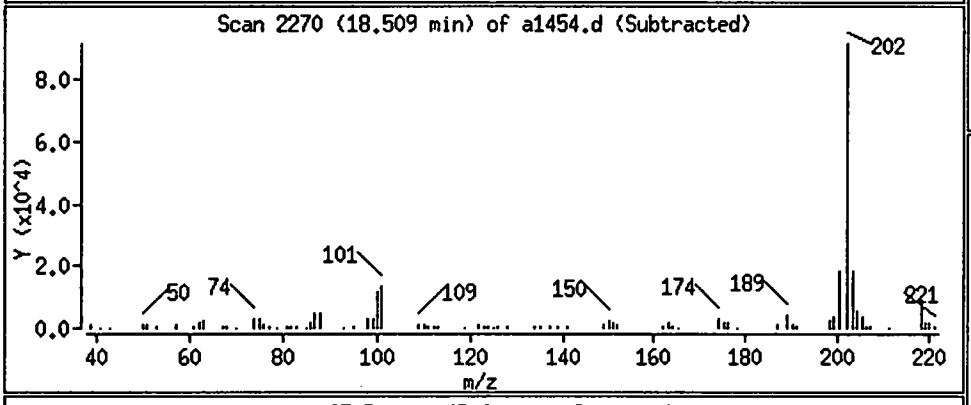


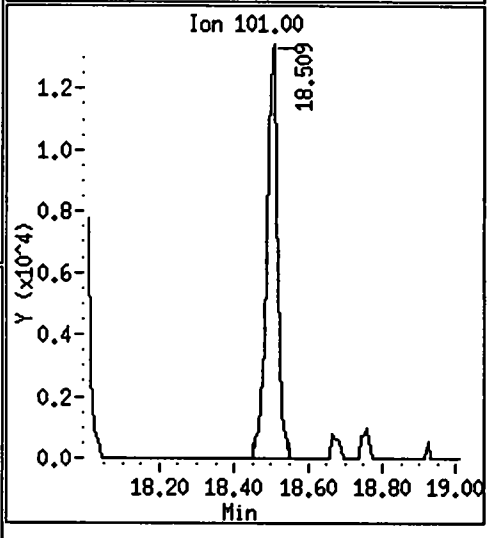
Data File: /wplcsdisk2/hp72a.i/090594.b/a1454.d
Date : 05-SEP-1994 16:51
Lab Sample ID:
Instrument: hp72a.i
Sample Info: PRC/BNA/5:400/S-2/0826-37
Volume Injected (uL): 1.0
Operator:
Column phase: hp-5MS
Column diameter: 0.25

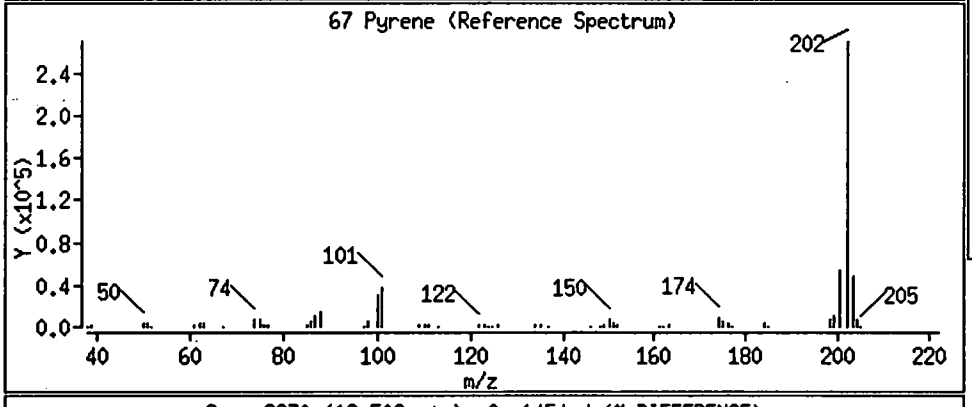
67 Pyrene

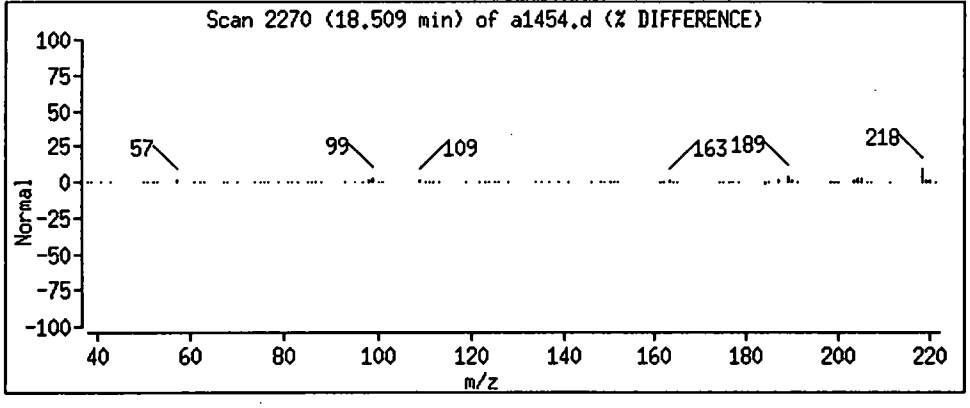












Data File: /wplcsdisk2/hp72a.i/090594.b/a1455.d

Date : 05-SEP-1994 17:29

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-38

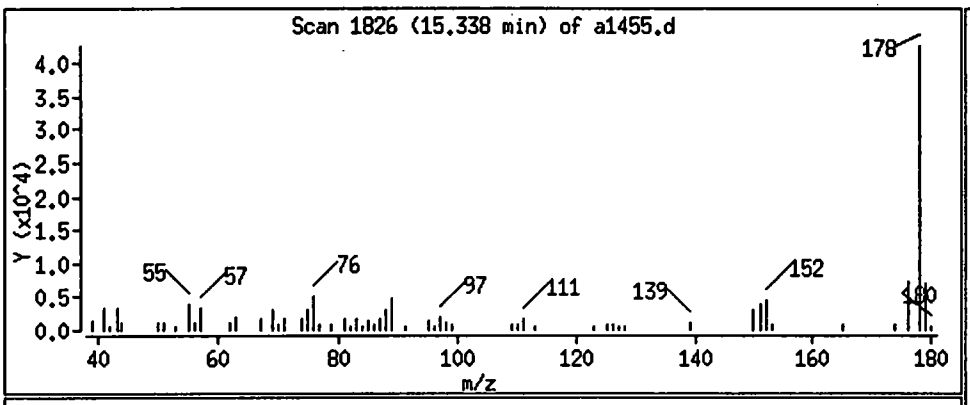
Volume Injected (uL): 1.0

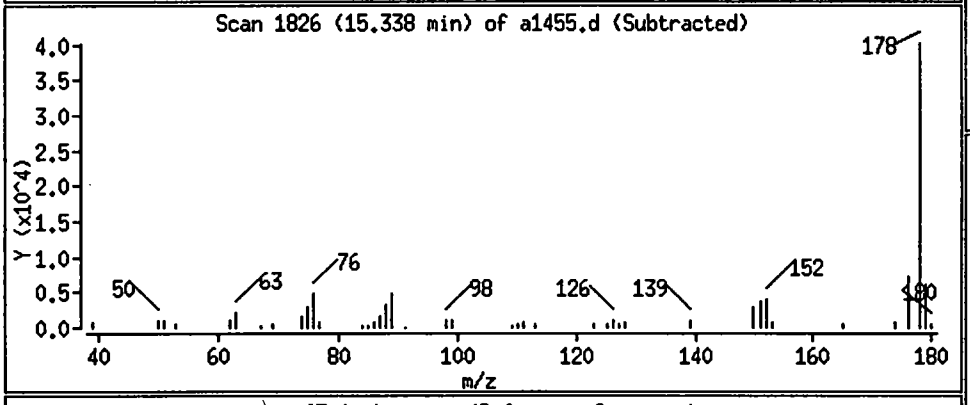
Operator:

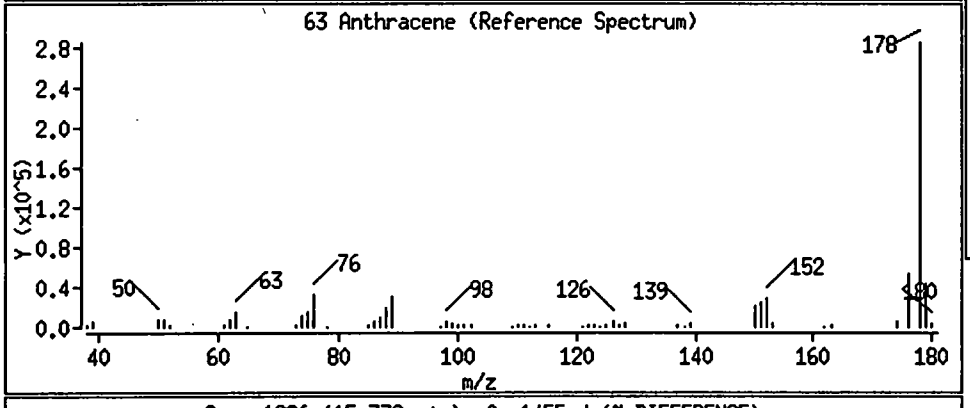
Column phase: hp-5MS

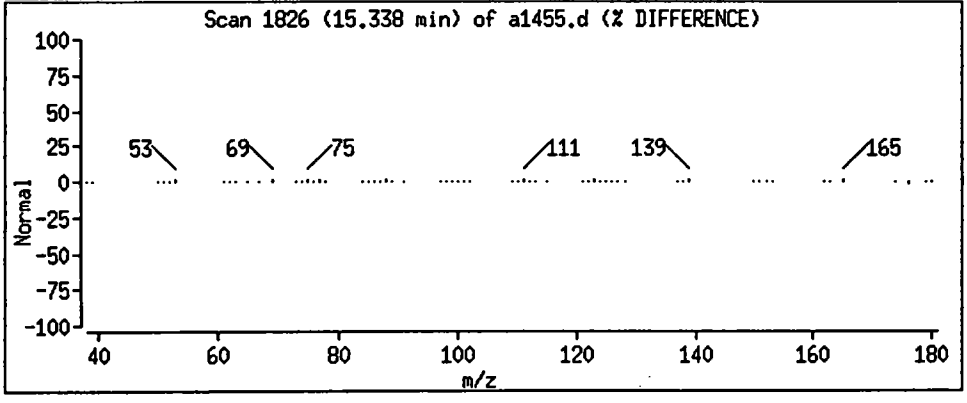
Column diameter: 0.25

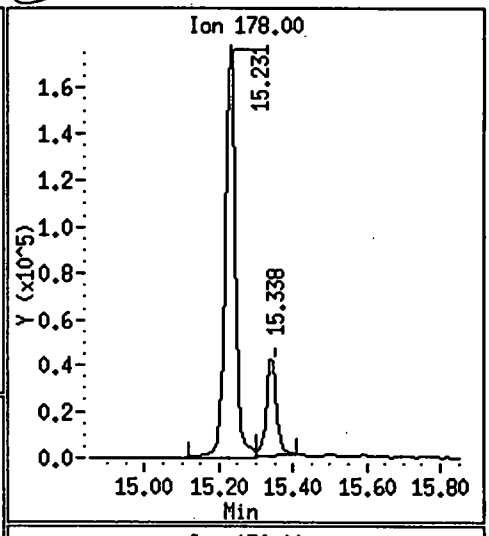
63 Anthracene

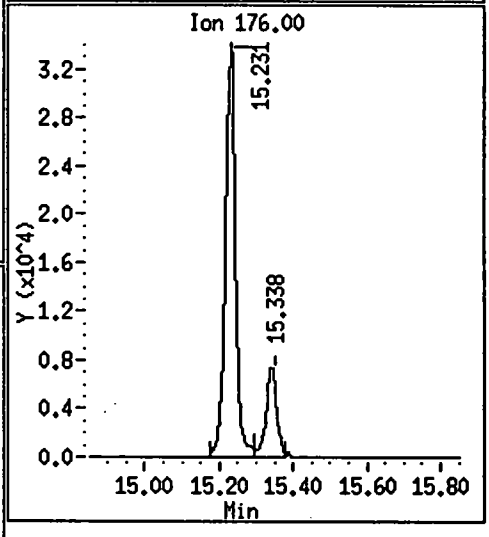












Data File: /wplcsdisk2/hp72a.i/090594.b/a1455.d

Date : 05-SEP-1994 17:29

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-38

Volume Injected (uL): 1.0

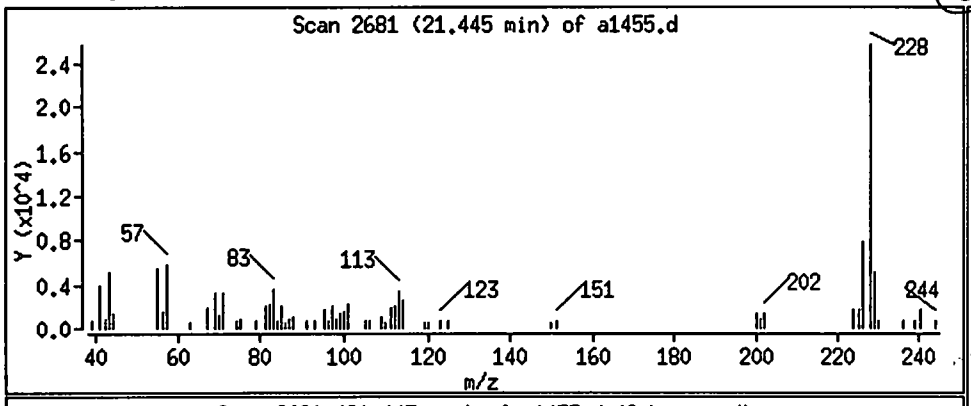
Operator:

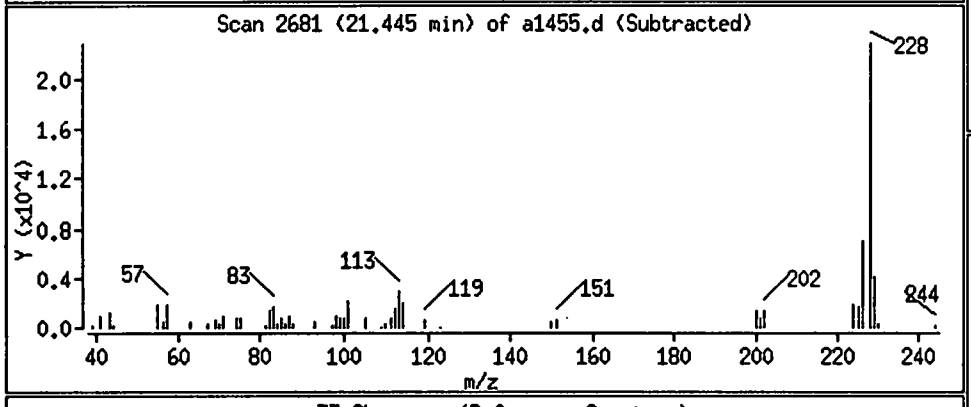
Column phase: hp-5MS

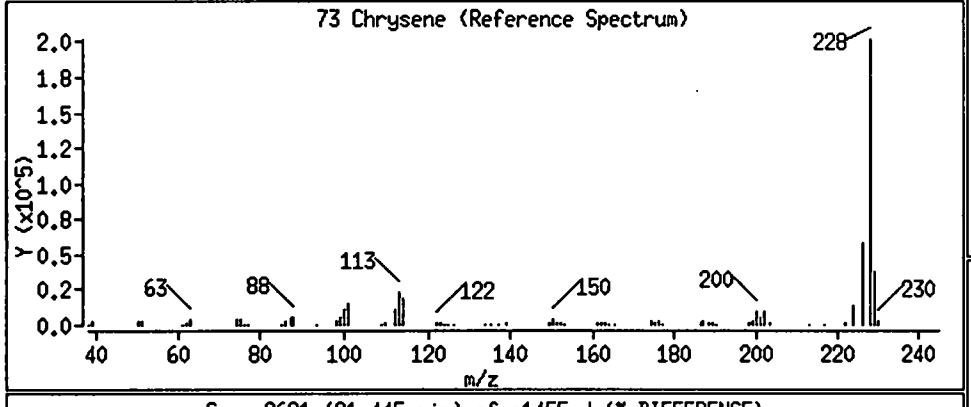
Column diameter: 0.25

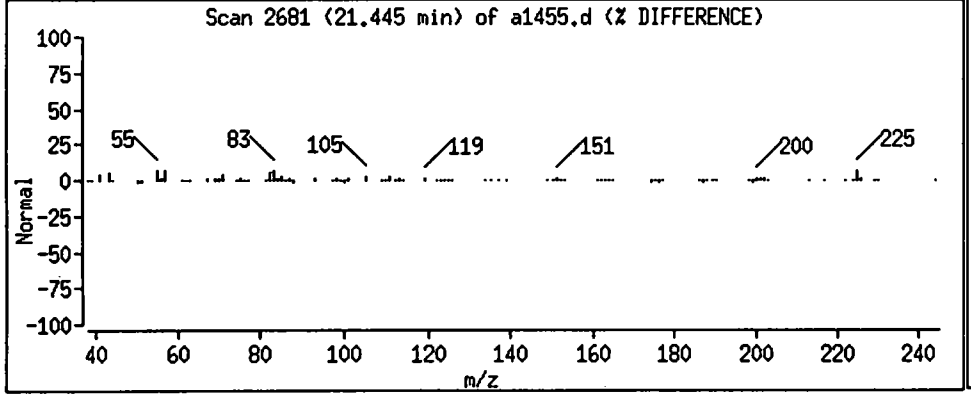
73 Chrysene

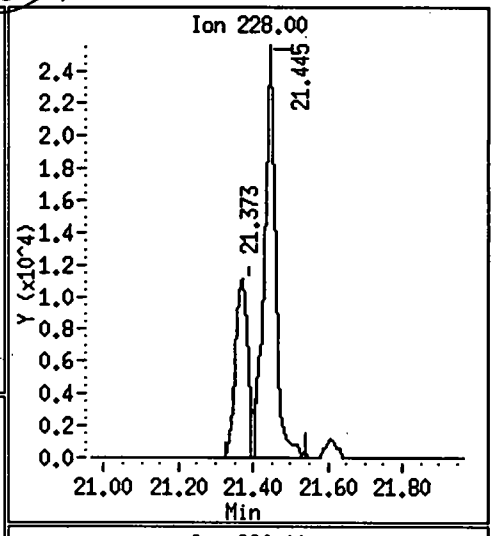
OK BAR

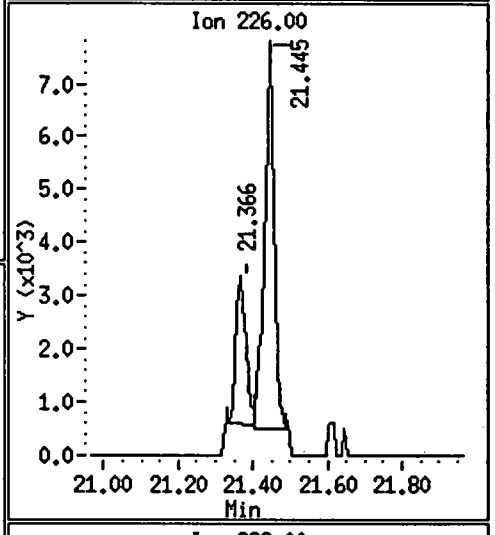


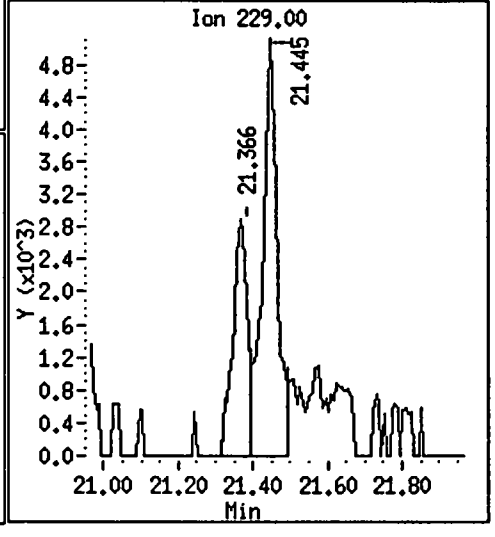












Data File: /wplcsdisk2/hp72a.i/090594.b/a1455.d

Date : 05-SEP-1994 17:29

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-38

Volume Injected (uL): 1.0

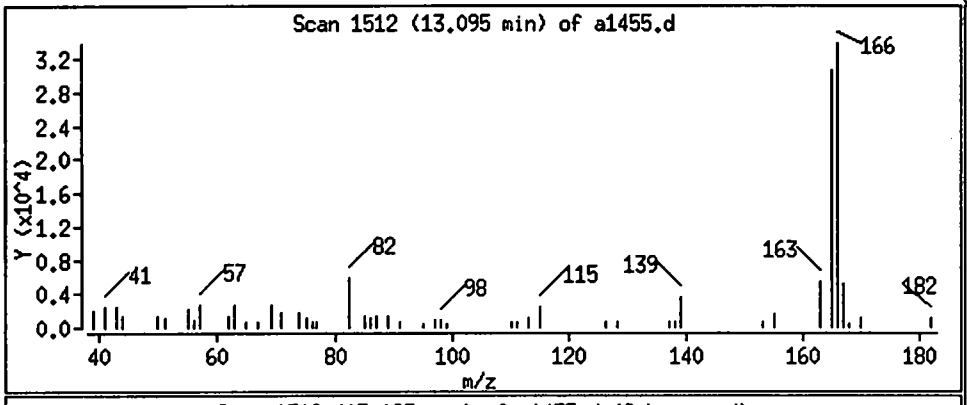
Operator:

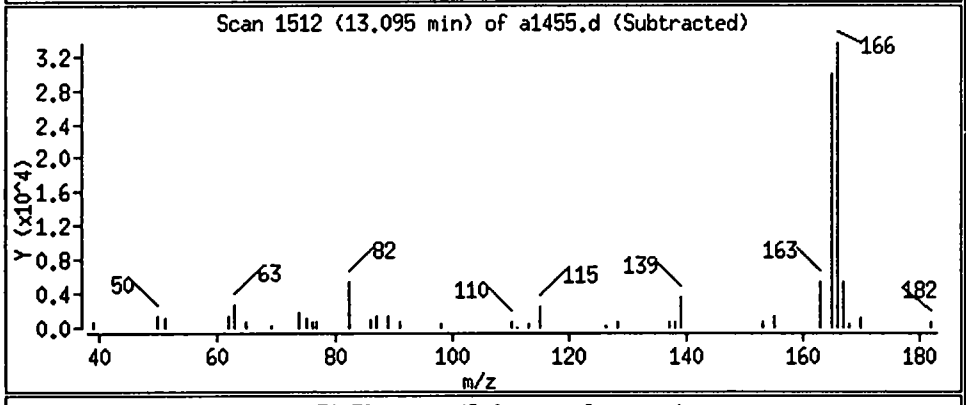
Column phase: hp-5MS

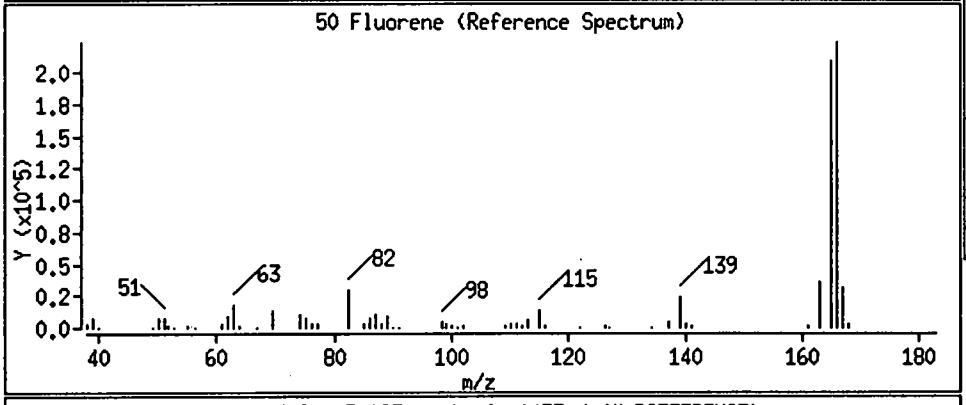
Column diameter: 0.25

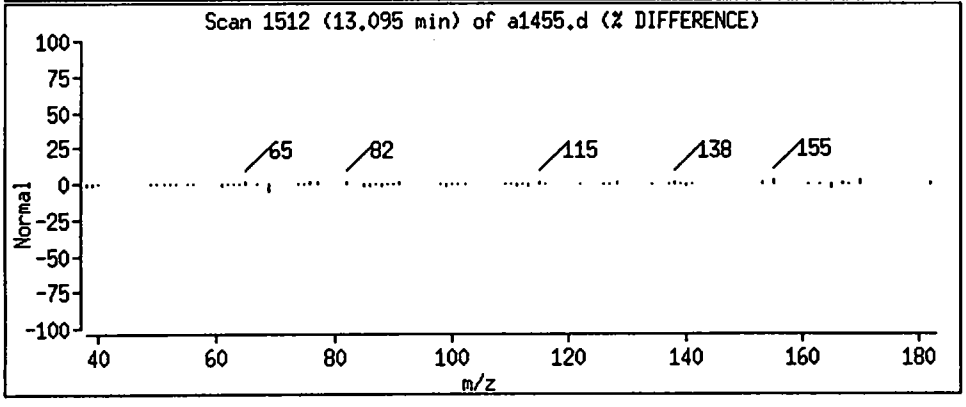
50 Fluorene

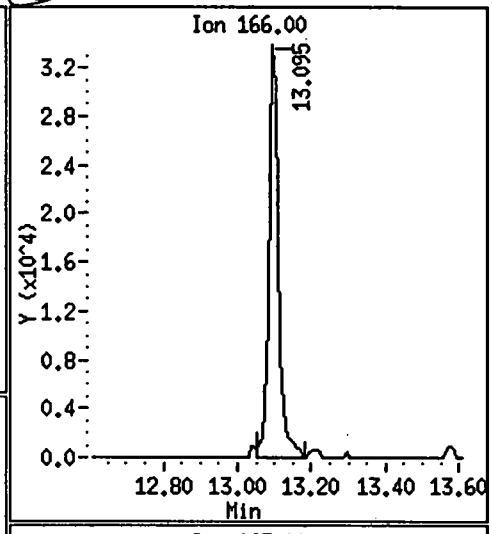
OK ARP

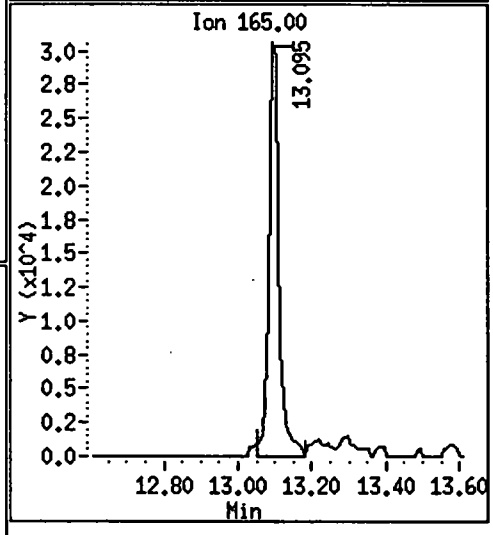












Data File: /wplcsdisk2/hp72a.i/090594.b/a1455.d

Date : 05-SEP-1994 17:29

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-38

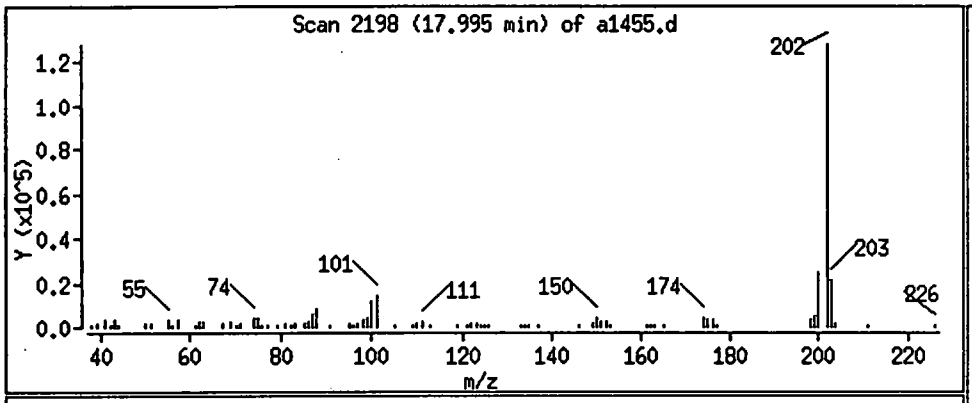
Volume Injected (uL): 1.0

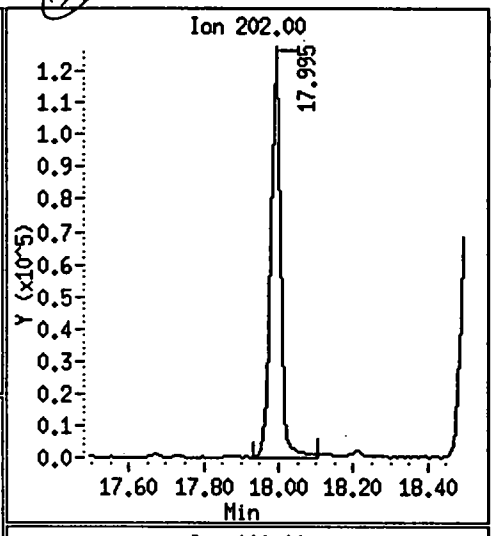
Operator:

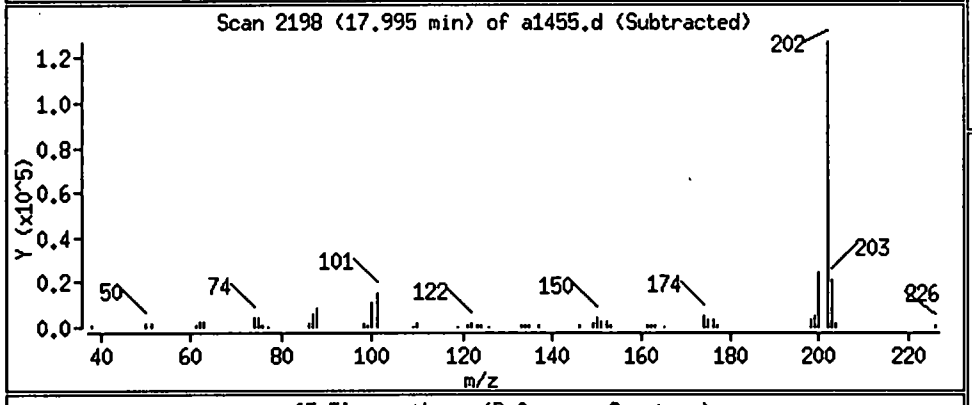
Column phase: hp-5MS

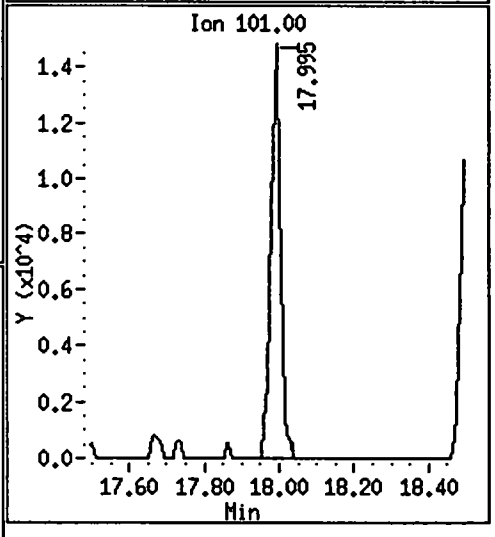
Column diameter: 0.25

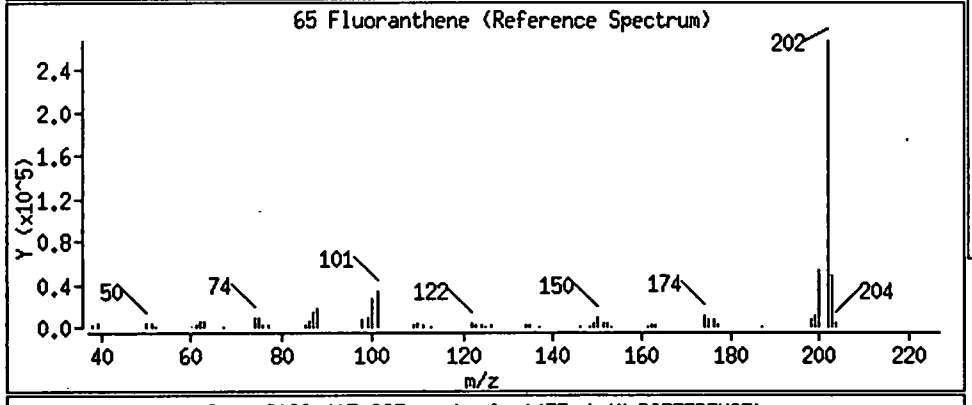
65 Fluoranthene

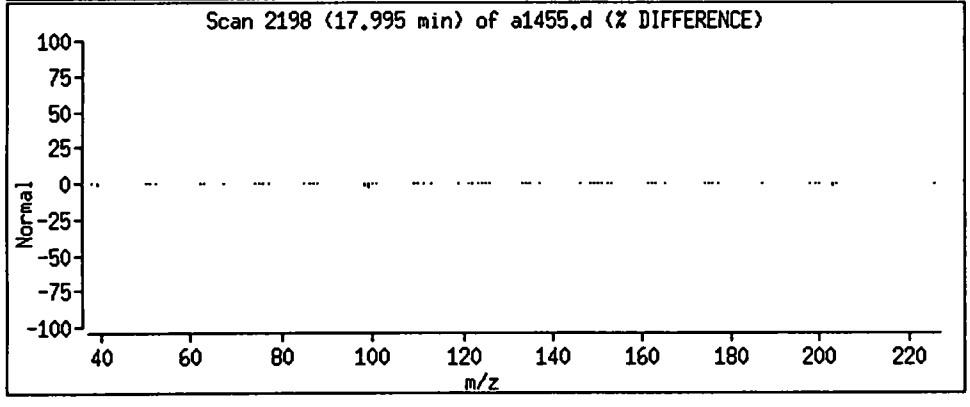












Data File: /wplcsdisk2/hp72a.i/090594.b/a1455.d

Date : 05-SEP-1994 17:29

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-38

Volume Injected (uL): 1.0

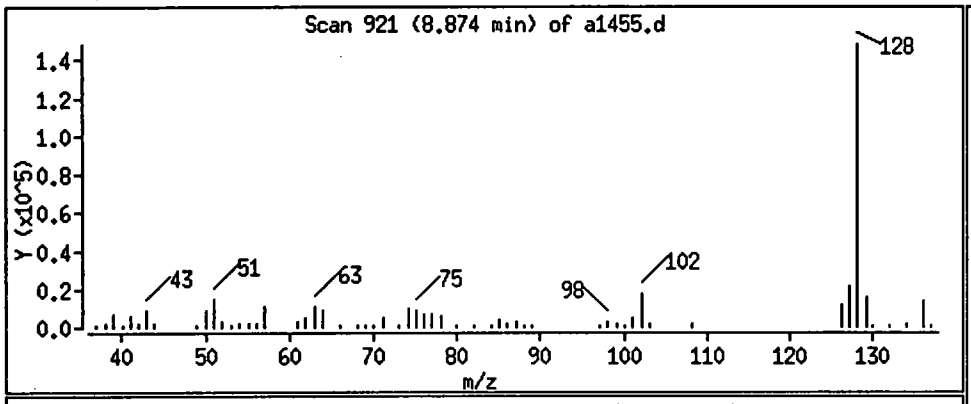
Operator:

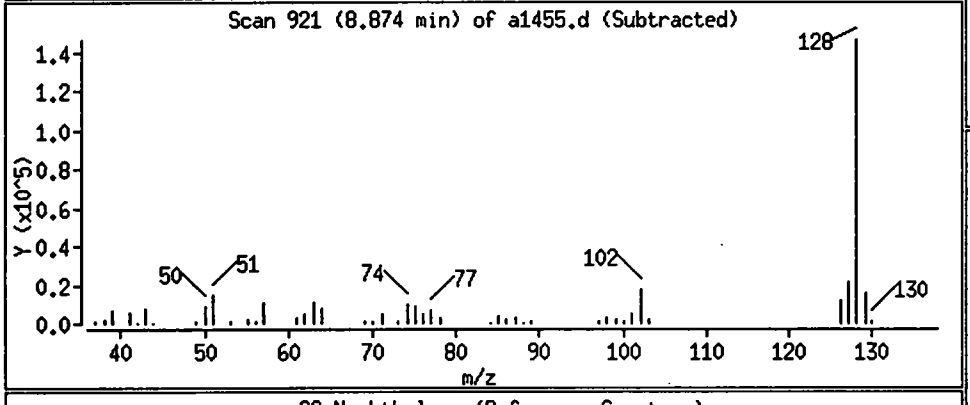
Column phase: hp-5MS

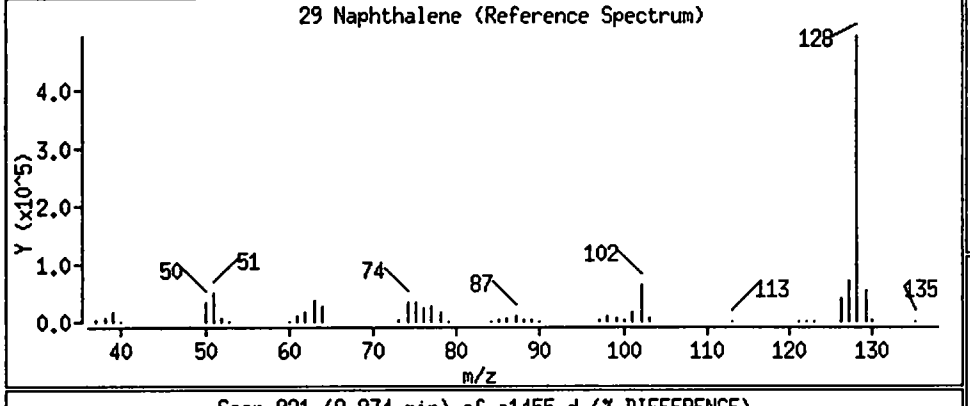
Column diameter: 0.25

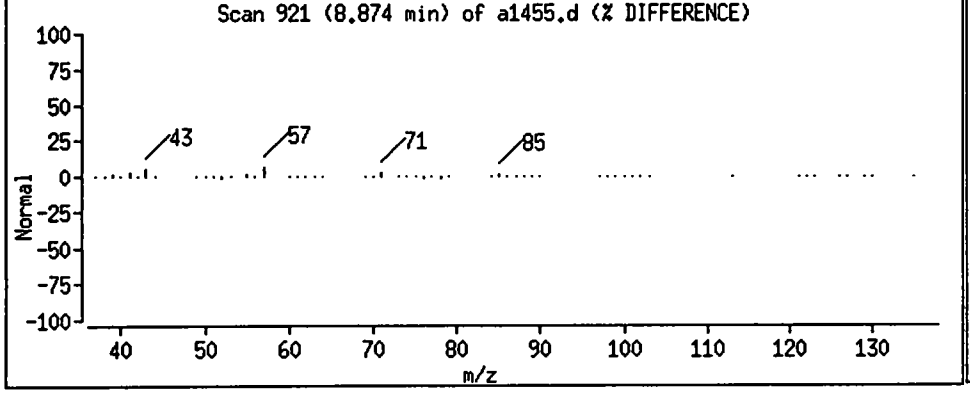
OK AEK

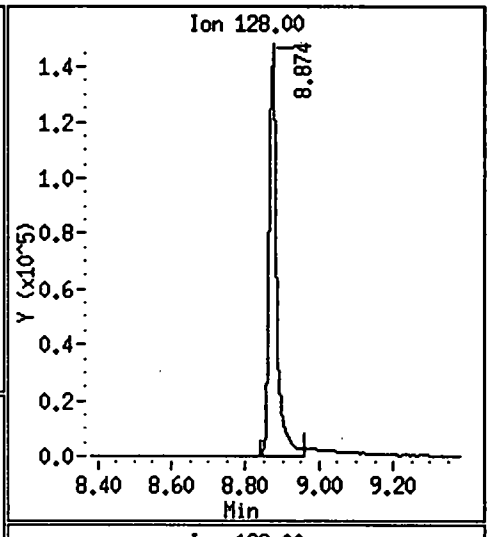
29 Naphthalene

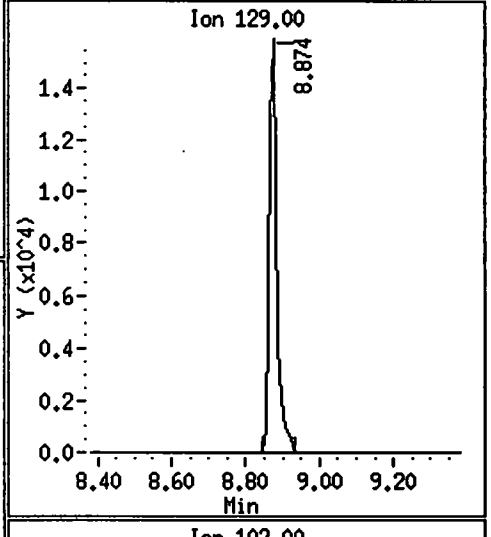


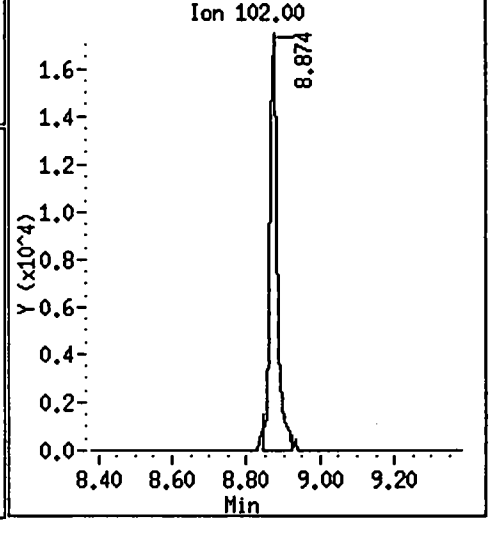












Data File: /wplcsdisk2/hp72a.i/090594.b/a1455.d

Date : 05-SEP-1994 17:29

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-38

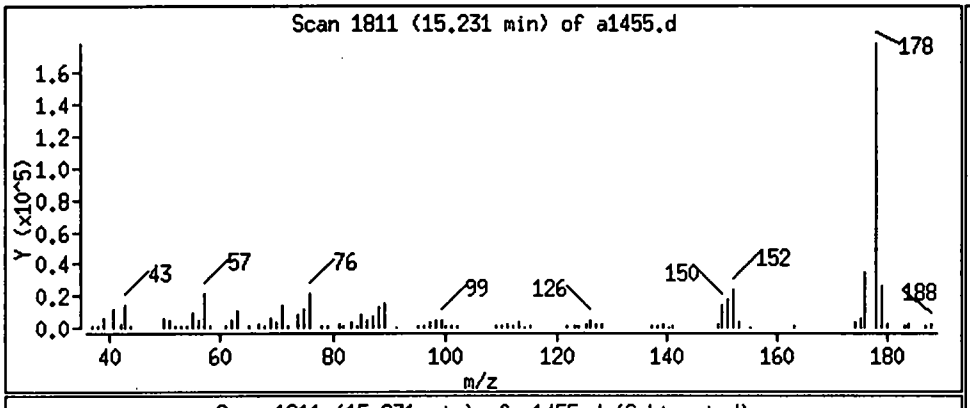
Volume Injected (uL): 1.0

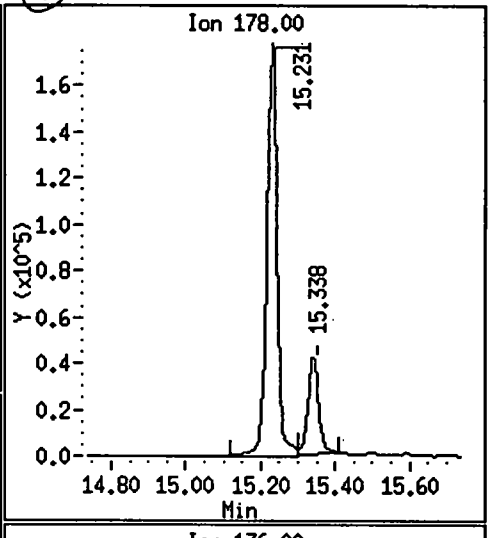
Operator:

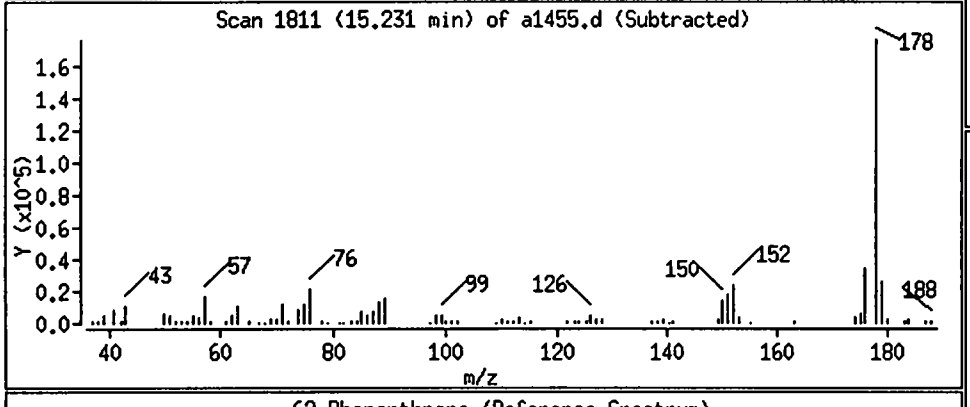
Column phase: hp-5MS

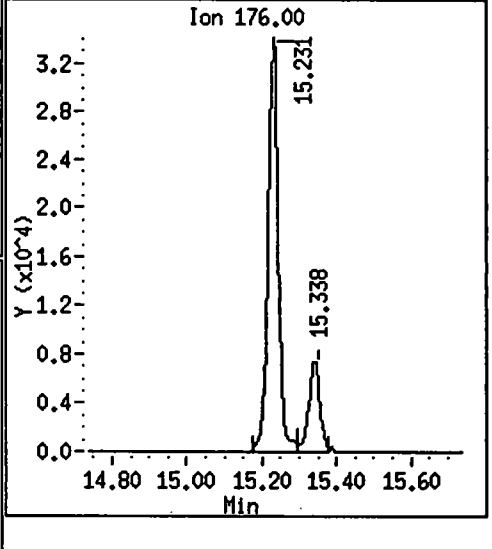
Column diameter: 0.25

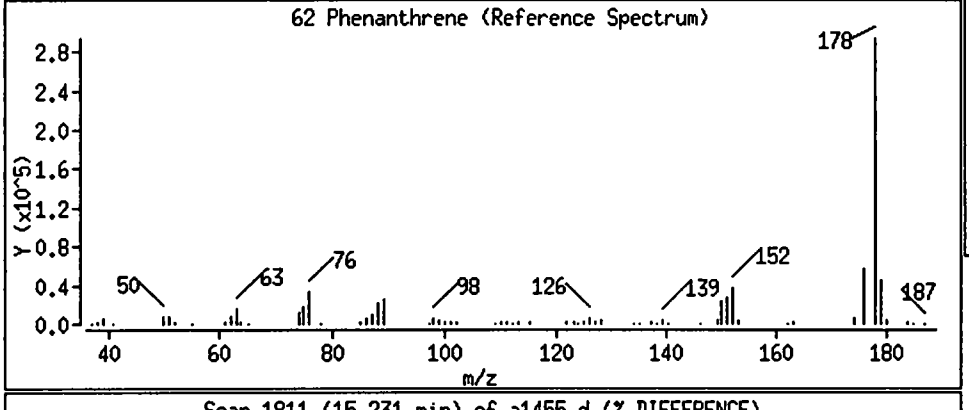
62 Phenanthrene

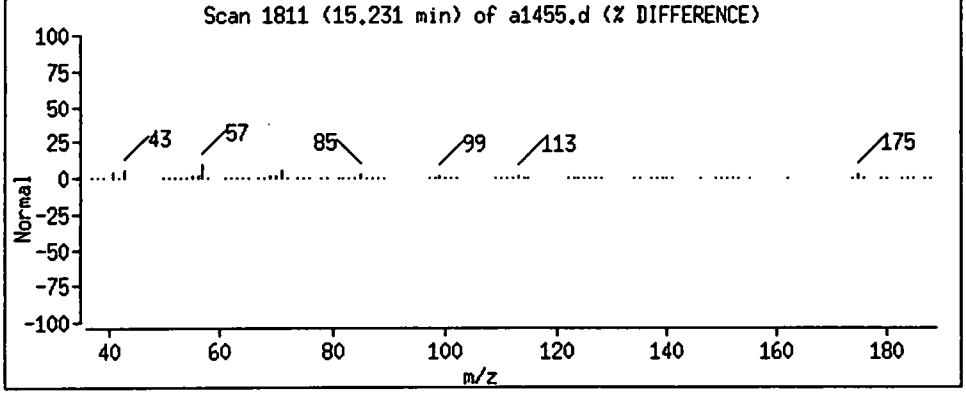












Data File: /wplcsdisk2/hp72a.i/090594.b/a1455.d

Date : 05-SEP-1994 17:29

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-38

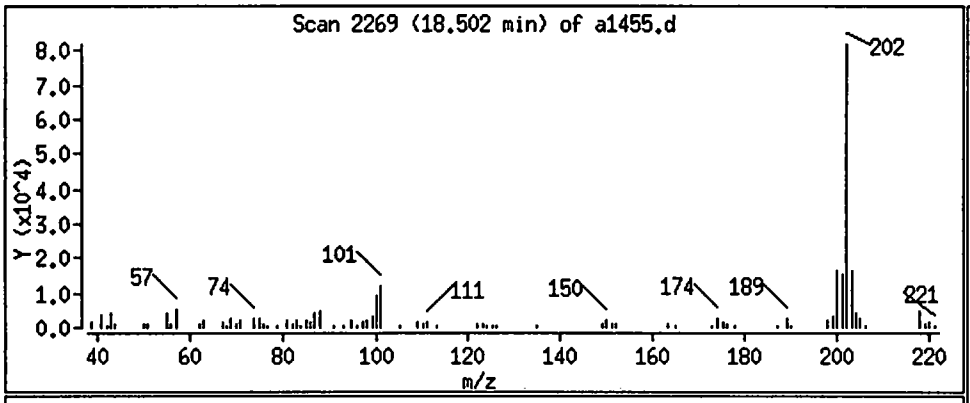
Volume Injected (uL): 1.0

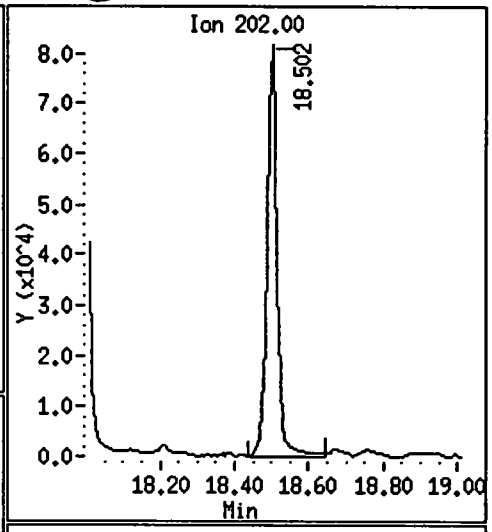
Operator:

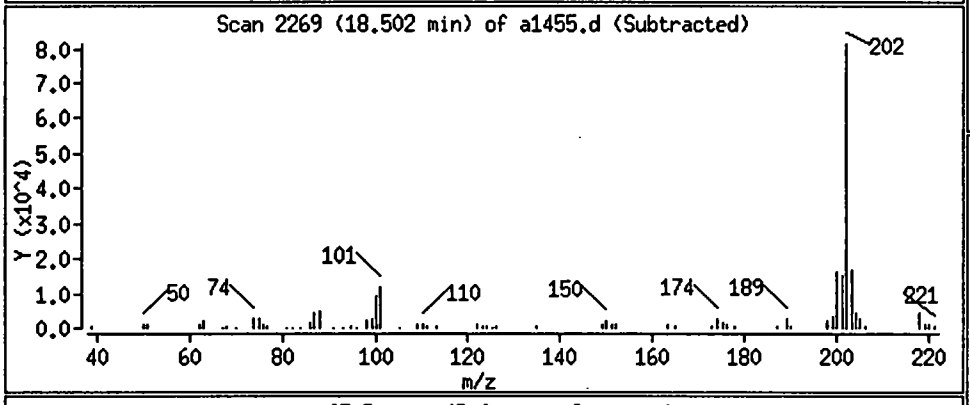
Column phase: hp-5MS

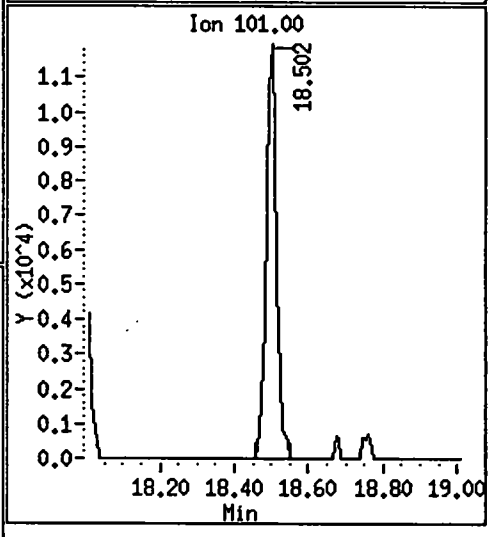
Column diameter: 0.25

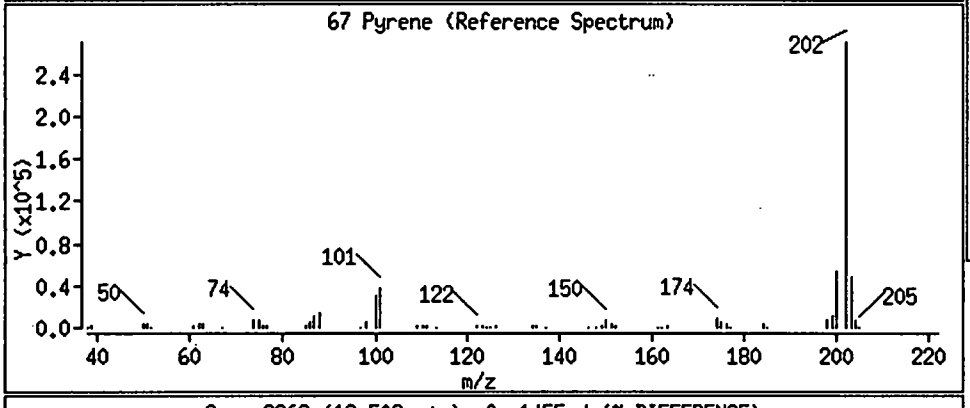
67 Pyrene

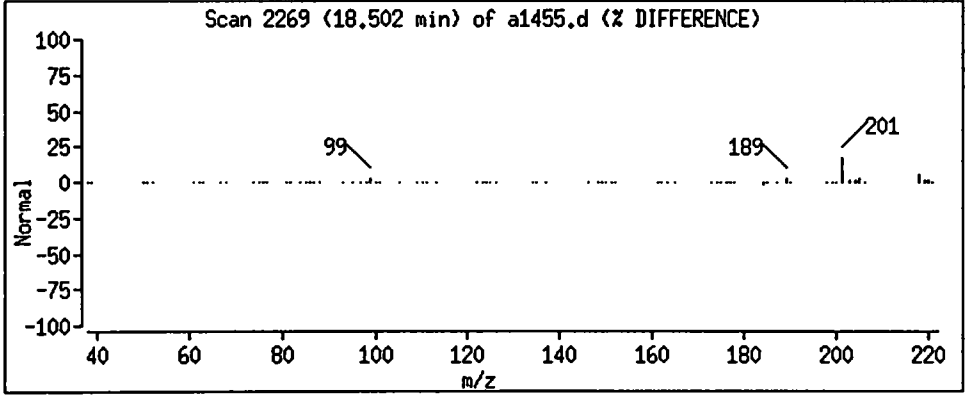












Data File: /wplcsdisk2/hp72a.i/090594.b/a1456.d

Date : 05-SEP-1994 18:07

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-39

Volume Injected (uL): 1.0

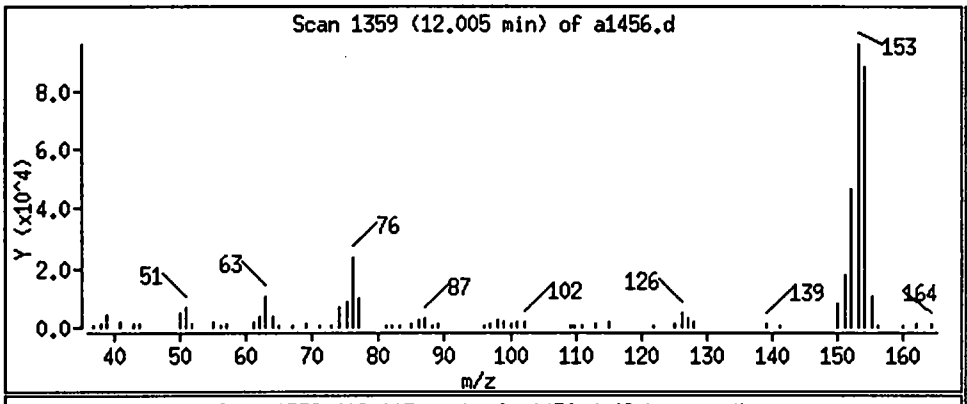
Operator:

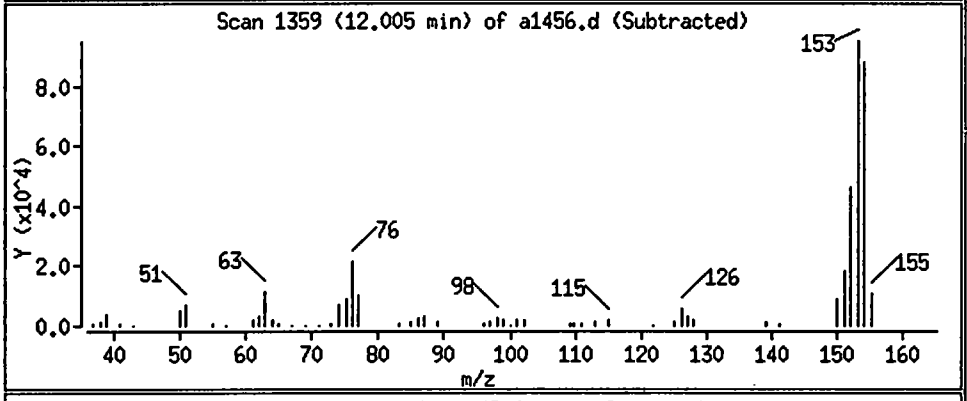
Column phase: hp-5MS

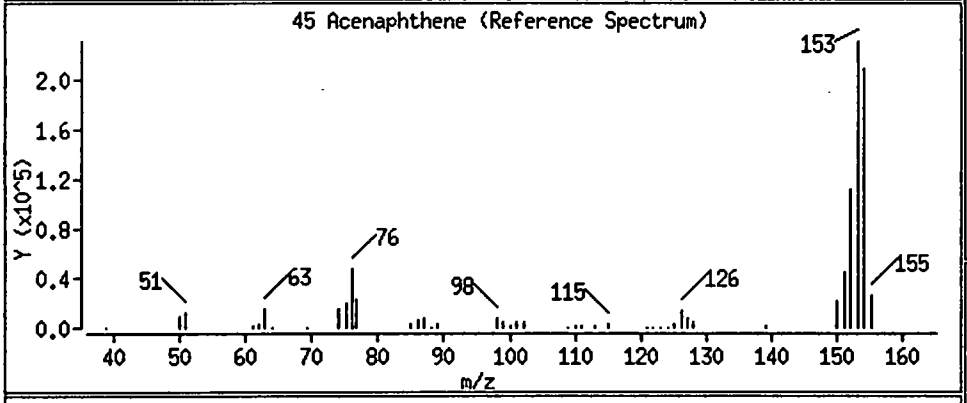
Column diameter: 0.25

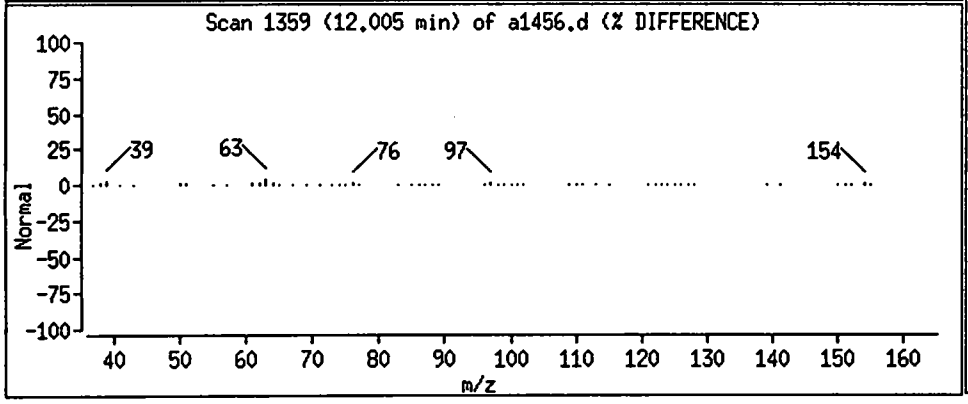
OK ARL

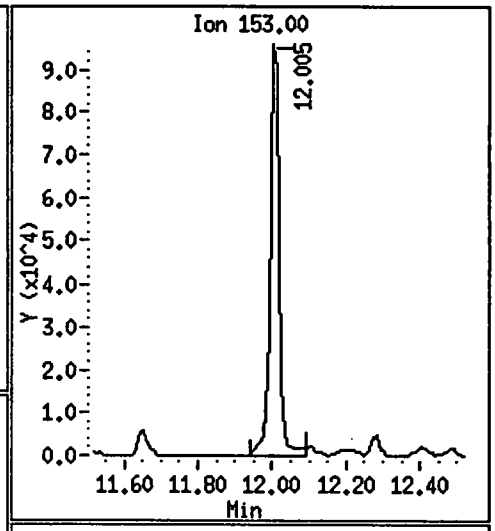
45 Acenaphthene

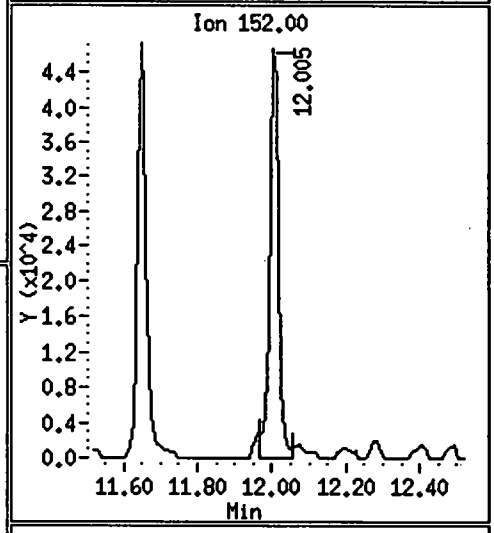


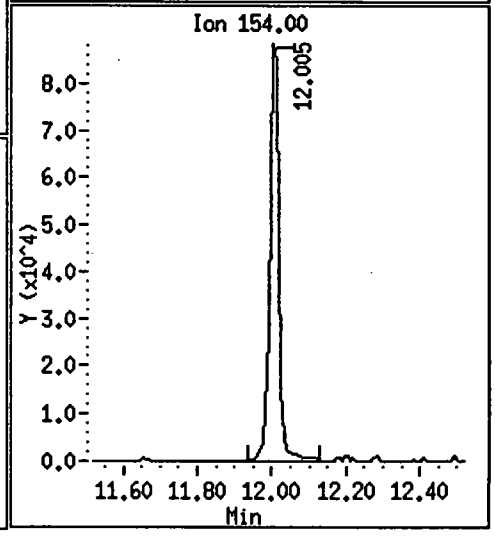












Data File: /wplcsdisk2/hp72a.i/090594.b/a1456.d

Date : 05-SEP-1994 18:07

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-39

Volume Injected (uL): 1.0

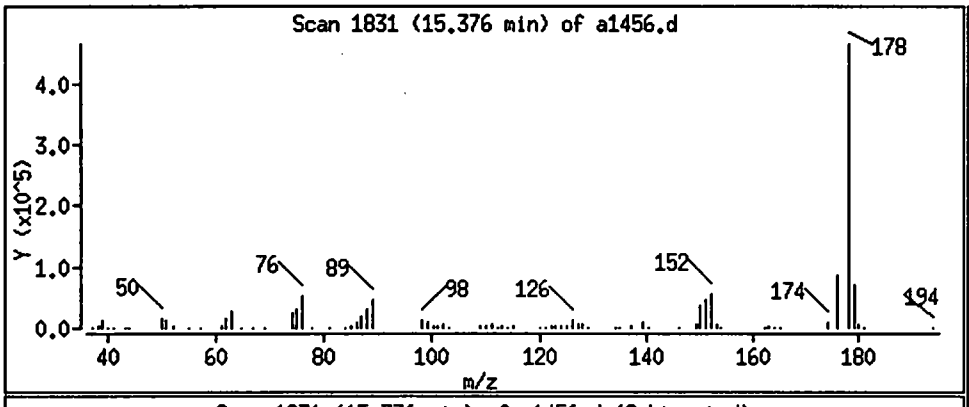
Operator:

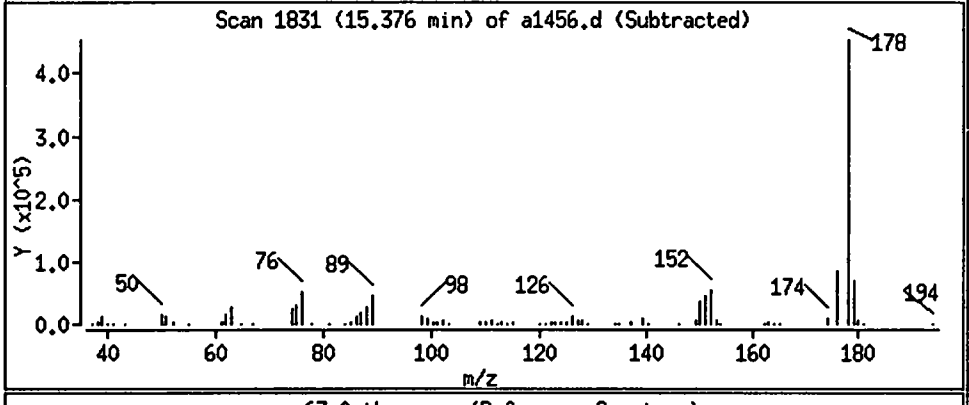
Column phase: hp-5MS

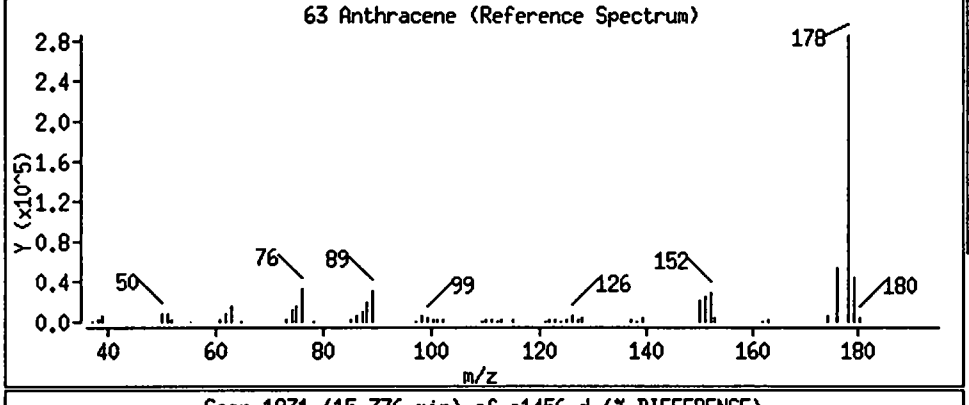
Column diameter: 0.25

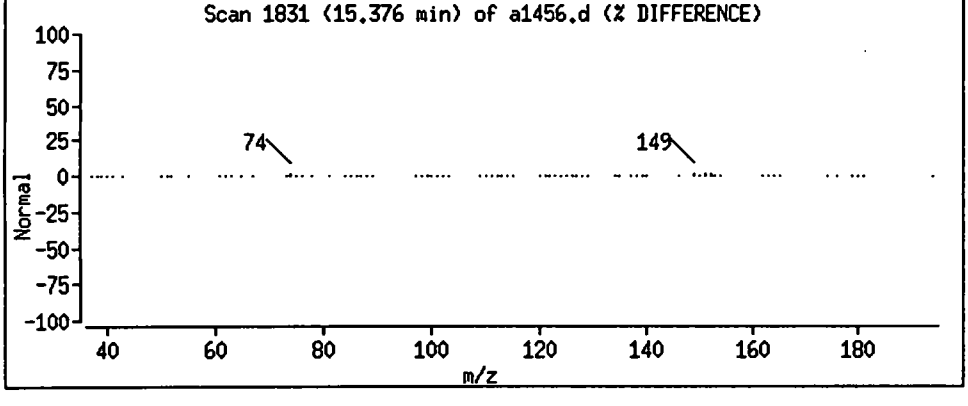
OK ARR

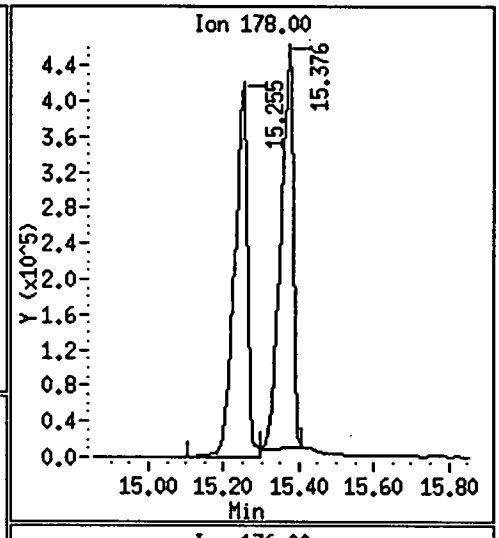
63 Anthracene

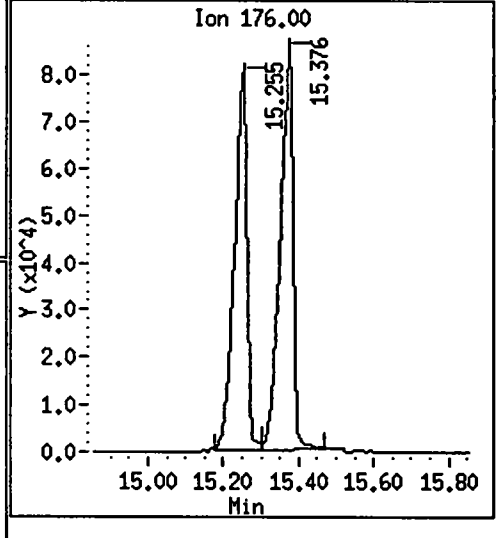












Data File: /wplcsdisk2/hp72a.i/090594.b/a1456.d

Date : 05-SEP-1994 18:07

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-39

Volume Injected (uL): 1.0

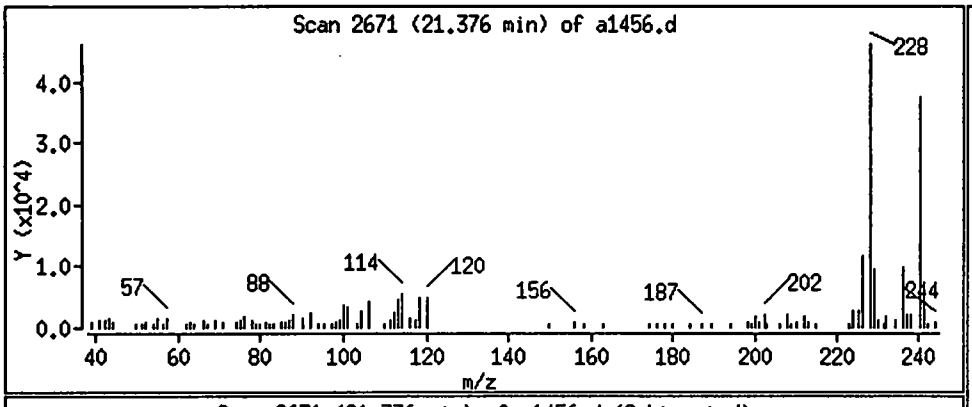
Operator:

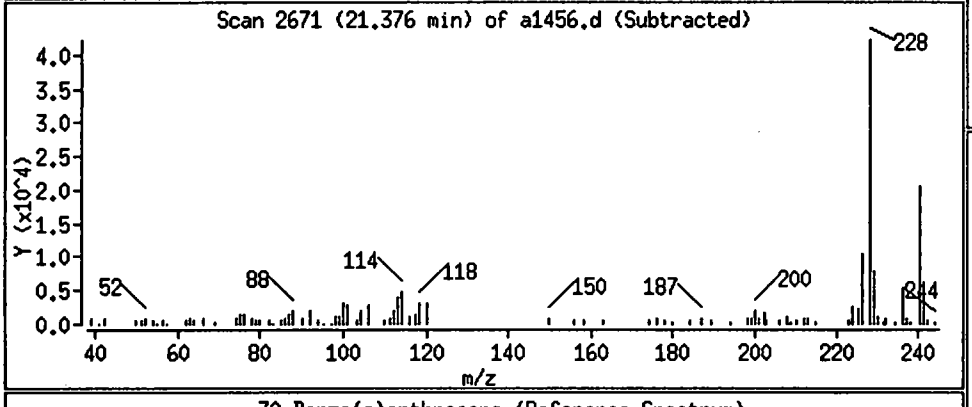
Column phase: hp-5MS

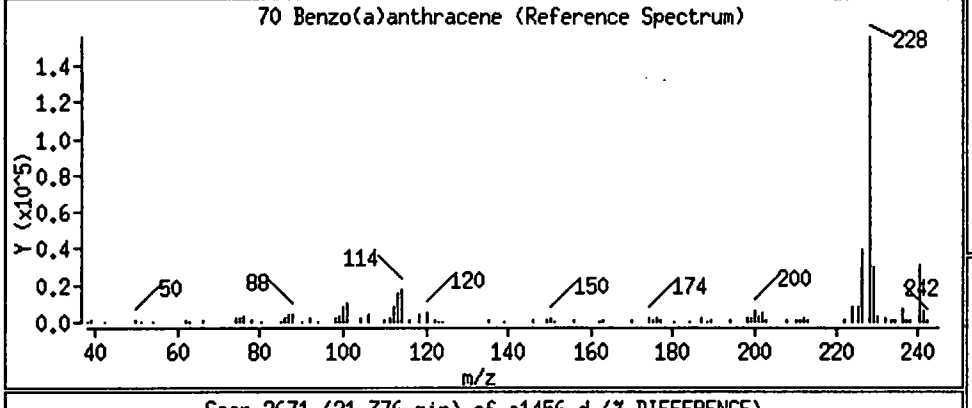
Column diameter: 0.25

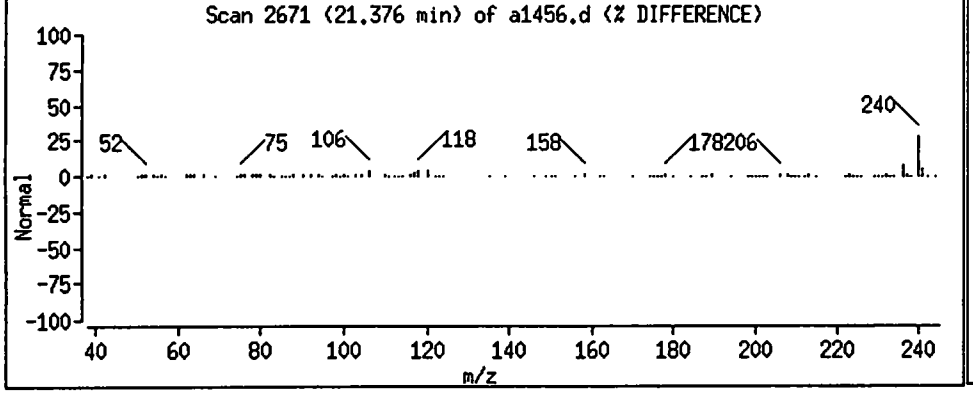
70 Benzo(a)anthracene

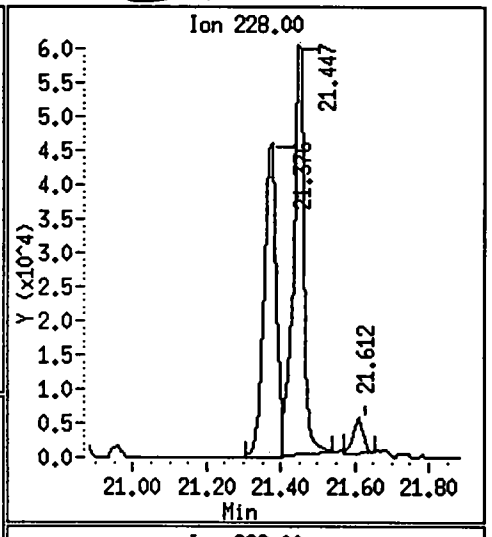
OK ACK

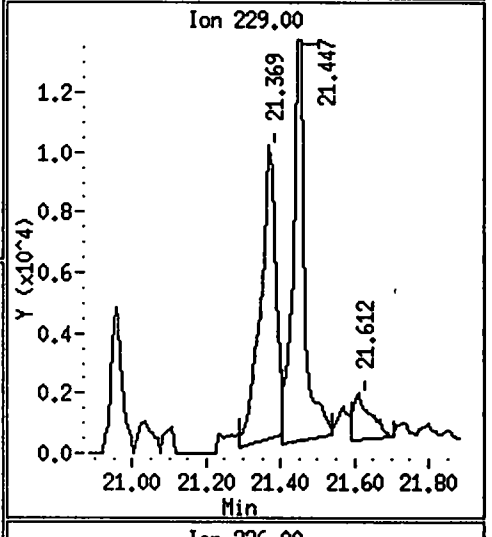


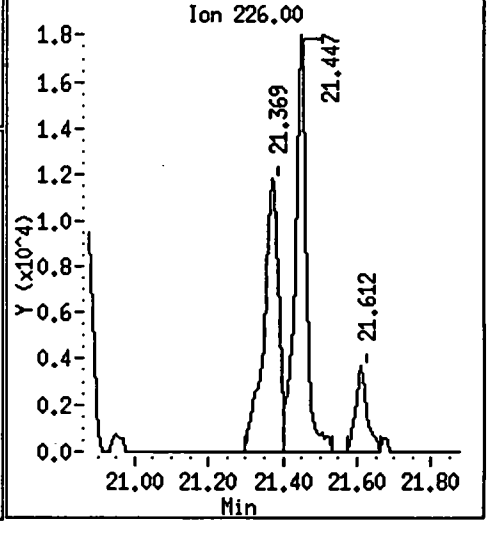












Data File: /wplcsdisk2/hp72a.i/090594.b/a1456.d

Date : 05-SEP-1994 18:07

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-39

Volume Injected (uL): 1.0

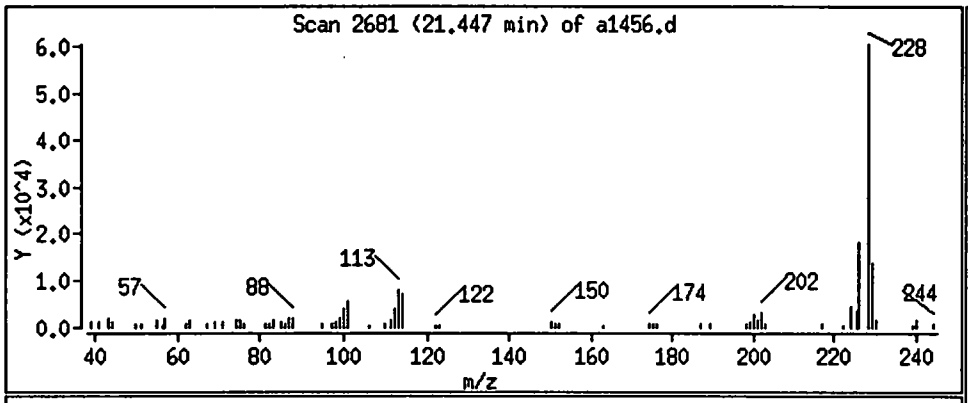
Operator:

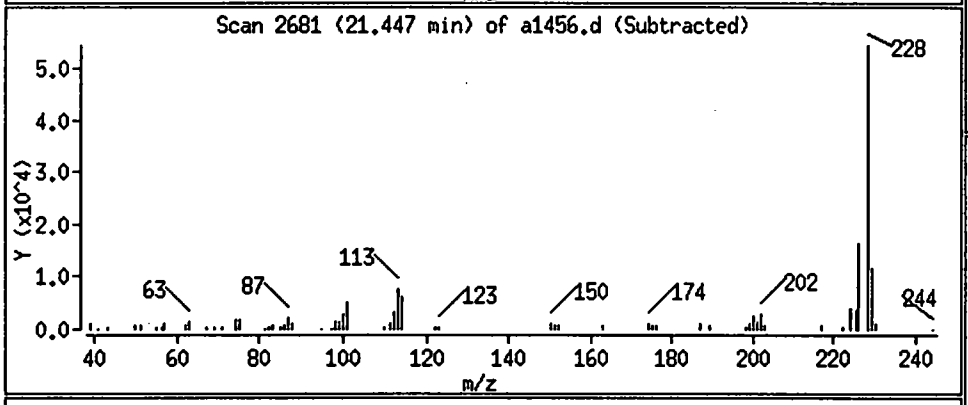
Column phase: hp-5MS

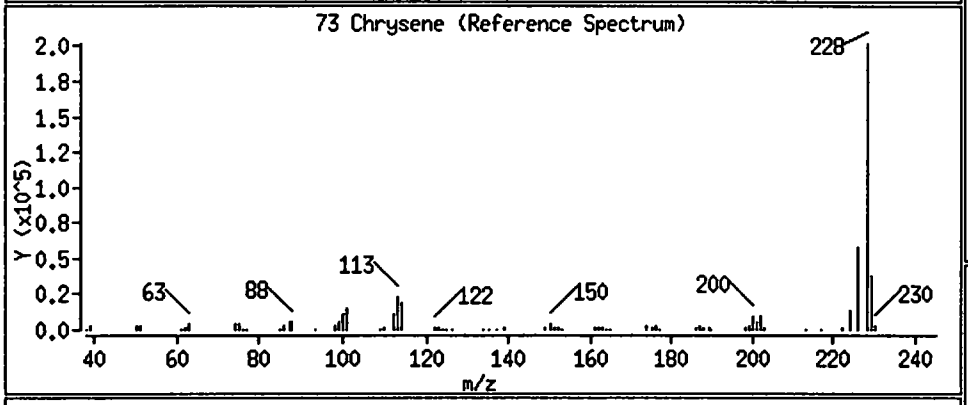
Column diameter: 0.25

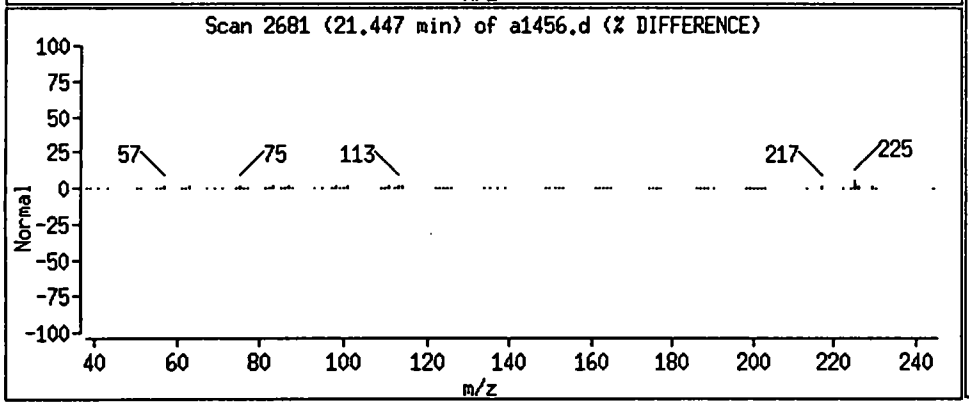
73 Chrysene

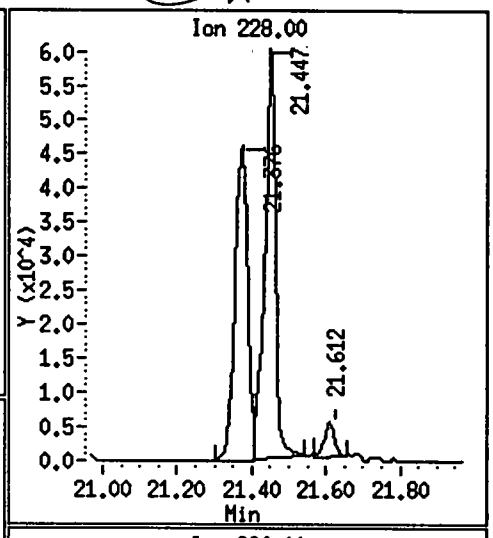
OK ARR

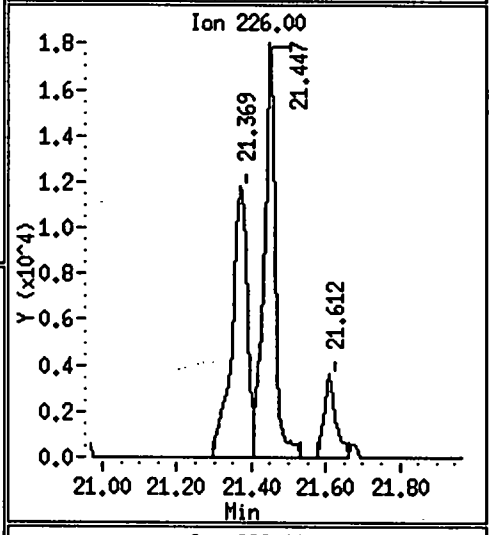


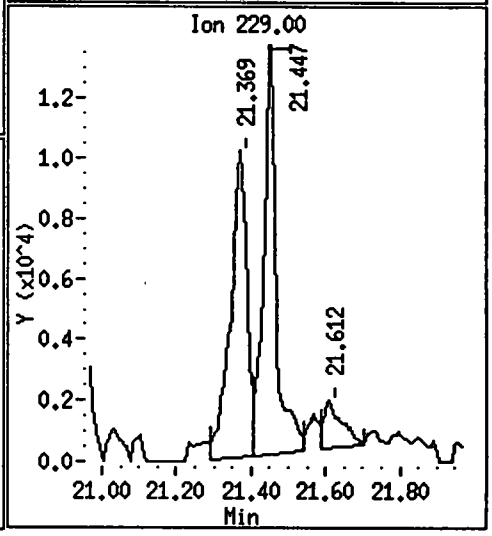












Data File: /wplcsdisk2/hp72a.i/090594.b/a1456.d

Date : 05-SEP-1994 18:07

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-39

Volume Injected (uL): 1.0

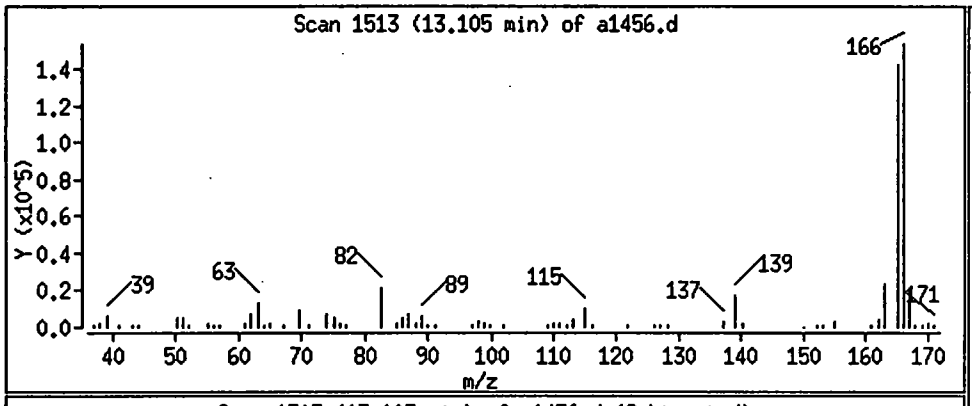
Operator:

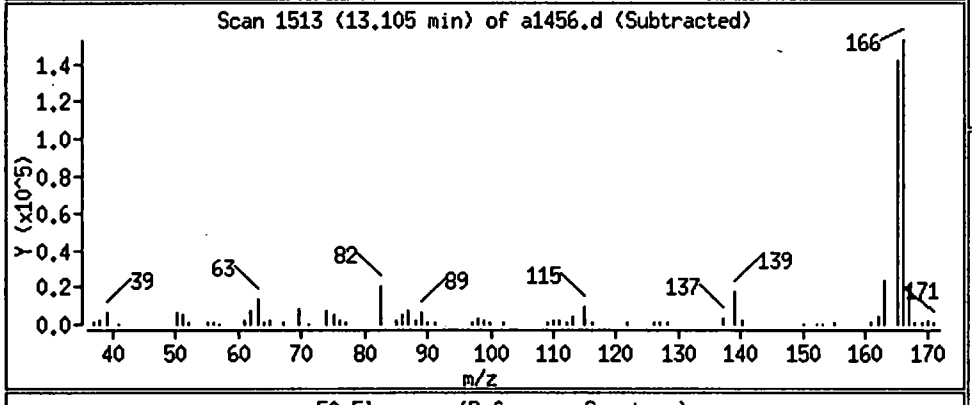
Column phase: hp-5MS

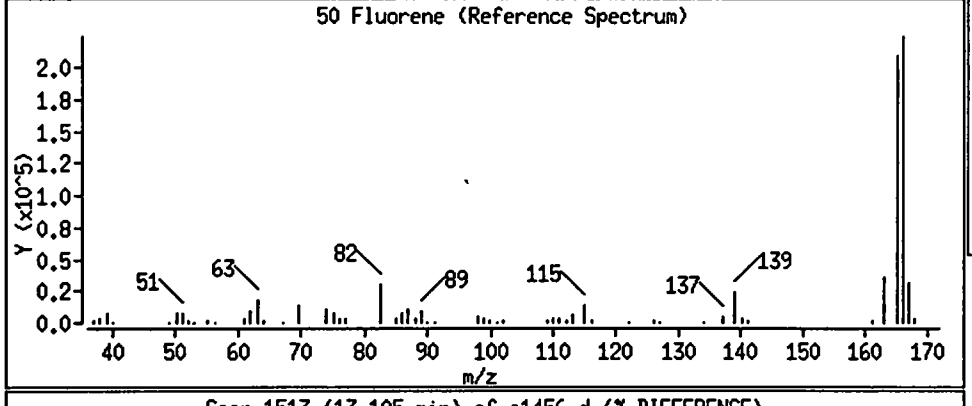
Column diameter: 0.25

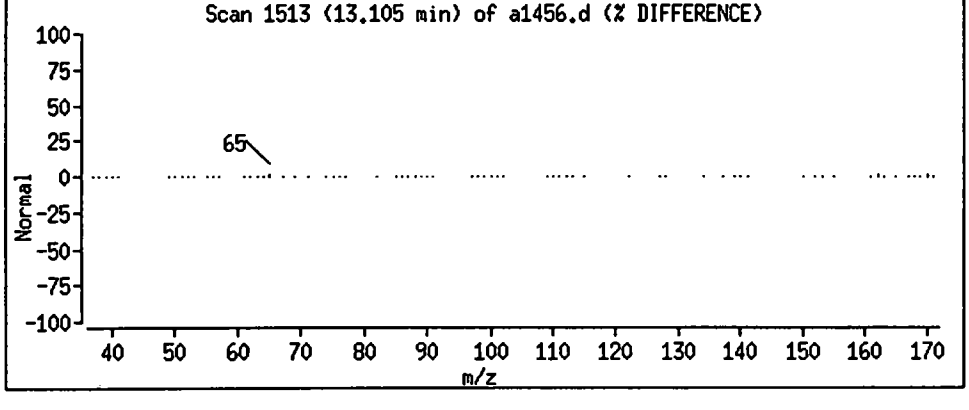
50 Fluorene

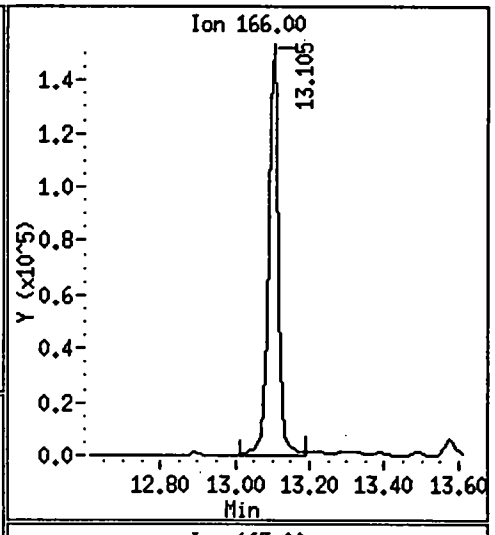
OK ARR

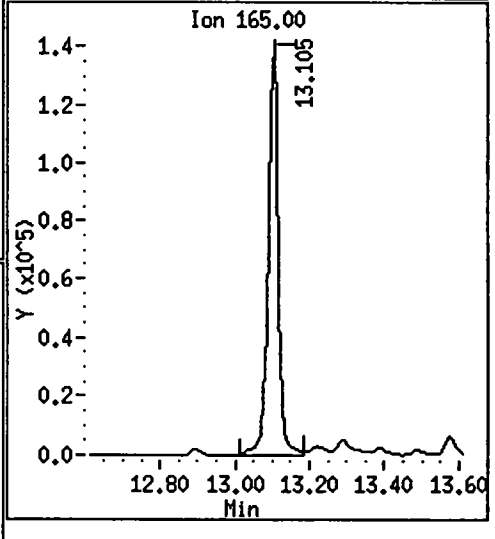












Data File: /wplcsdisk2/hp72a.i/090594.b/a1456.d

Date : 05-SEP-1994 18:07

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-39

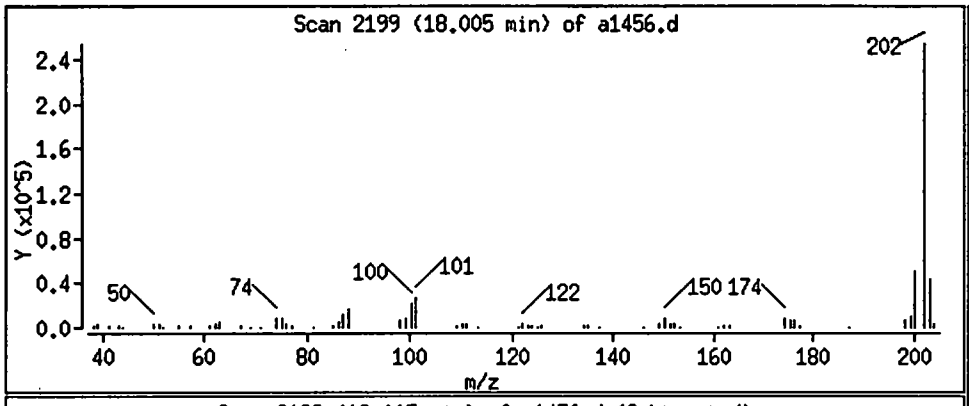
Volume Injected (uL): 1.0

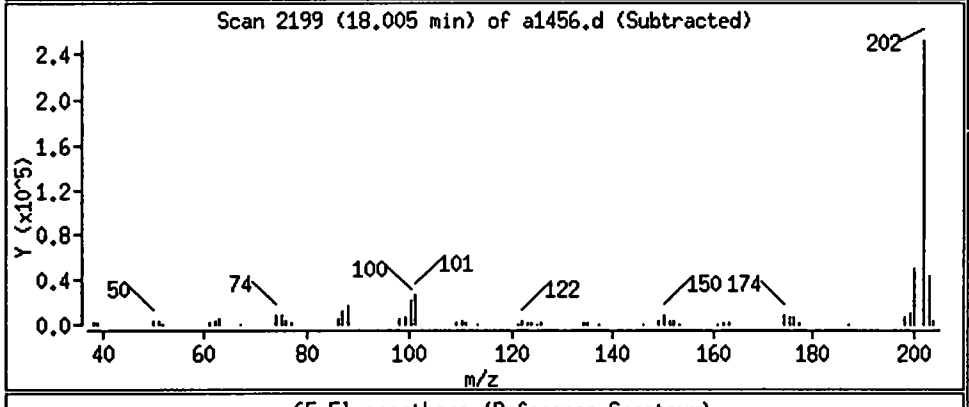
Operator:

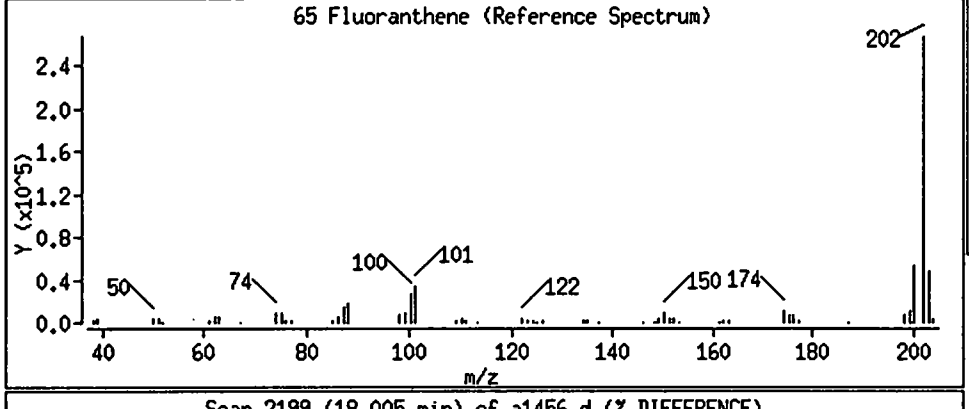
Column phase: hp-5MS

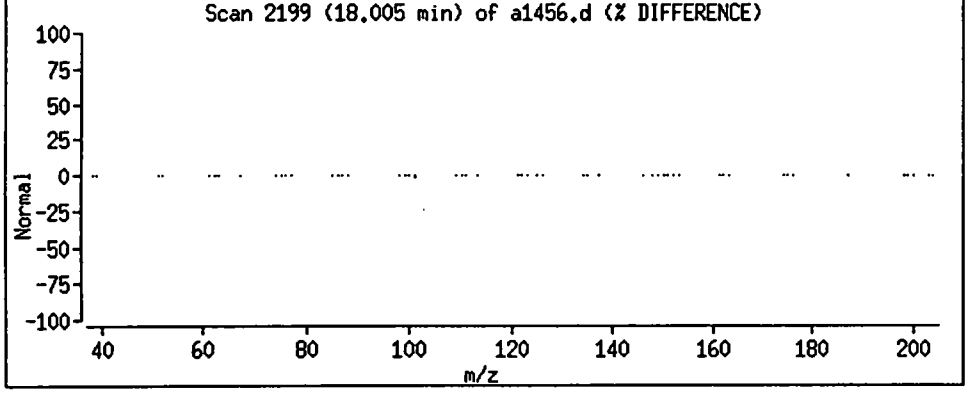
Column diameter: 0.25

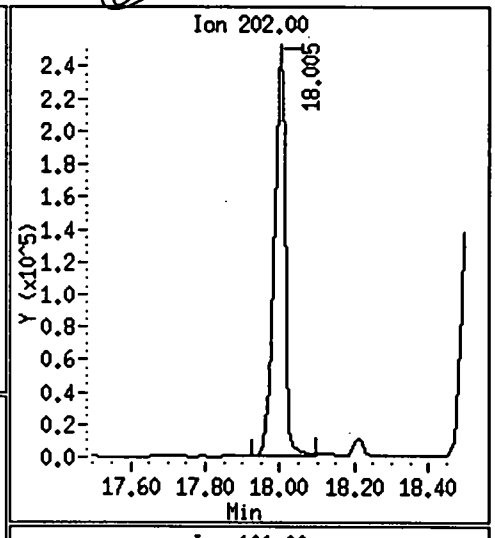
65 Fluoranthene

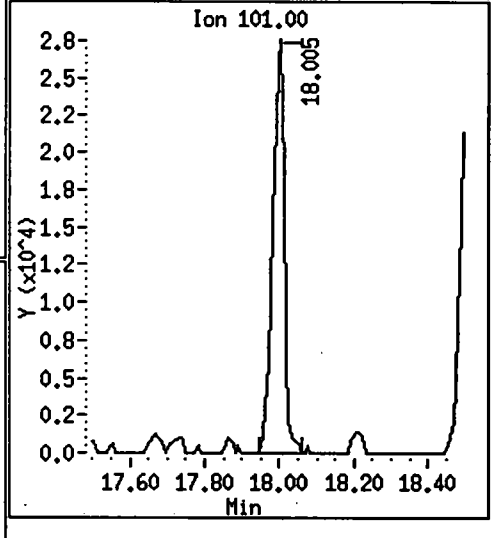












Data File: /wplcsdisk2/hp72a.i/090594.b/a1456.d

Date : 05-SEP-1994 18:07

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-39

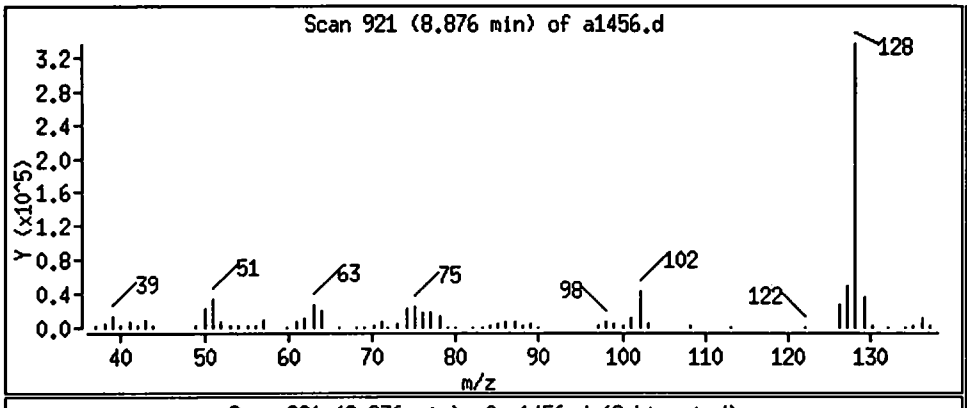
Volume Injected (uL): 1.0

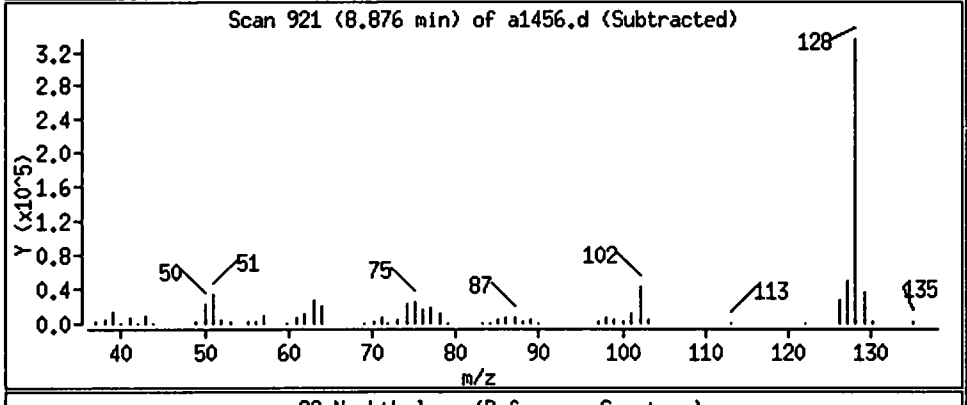
Operator:

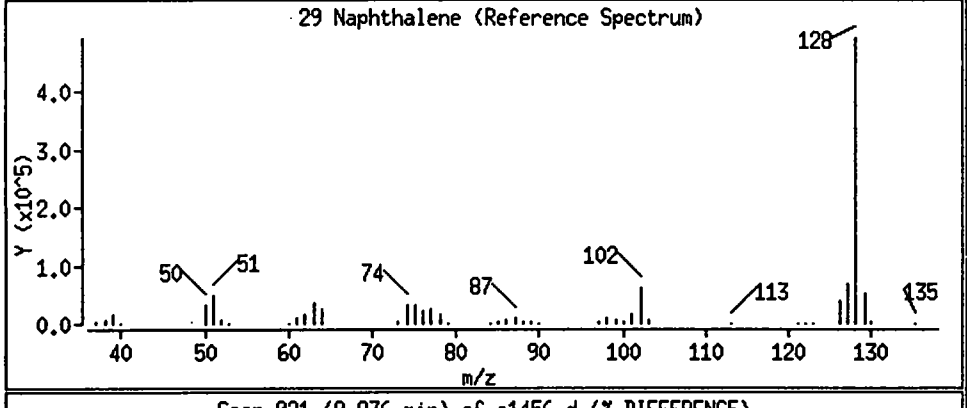
Column phase: hp-5MS

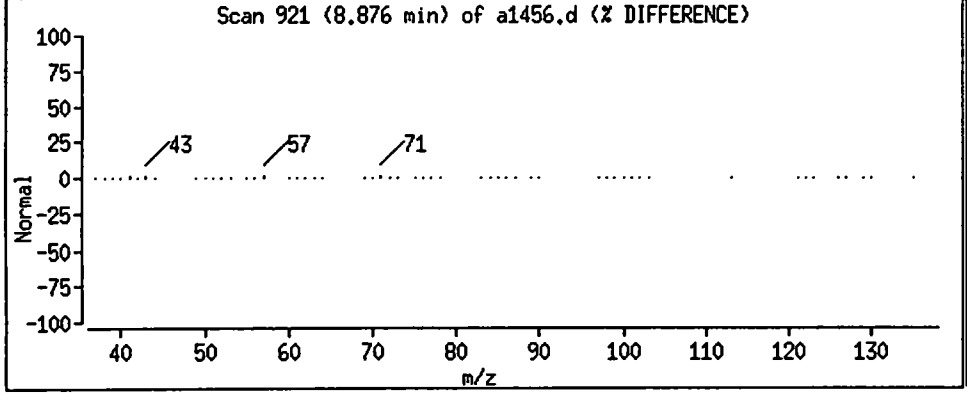
Column diameter: 0.25

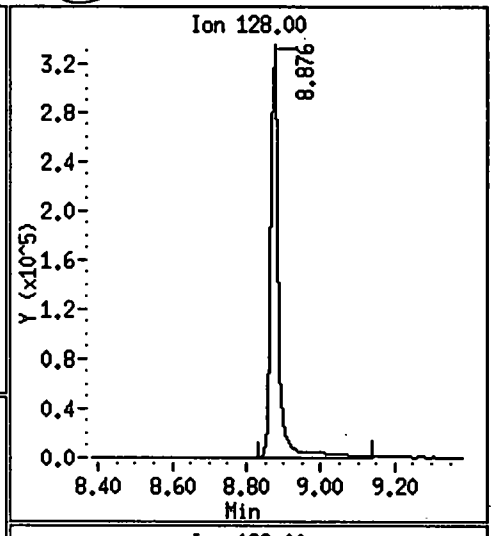
29 Naphthalene

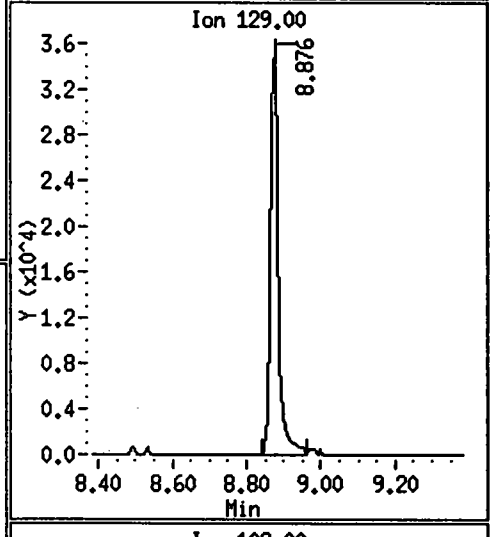


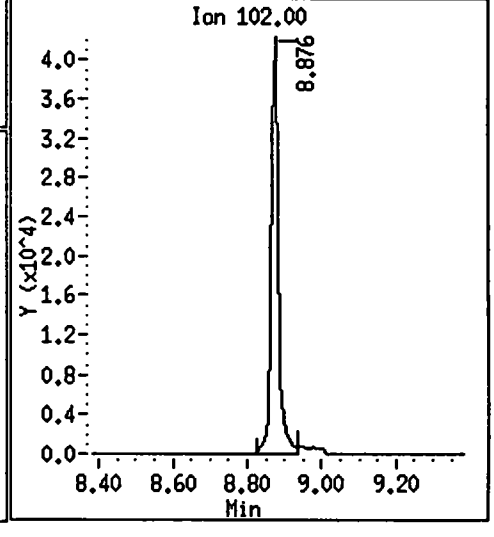












Data File: /wplcsdisk2/hp72a.i/090594.b/a1456.d

Date : 05-SEP-1994 18:07

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-39

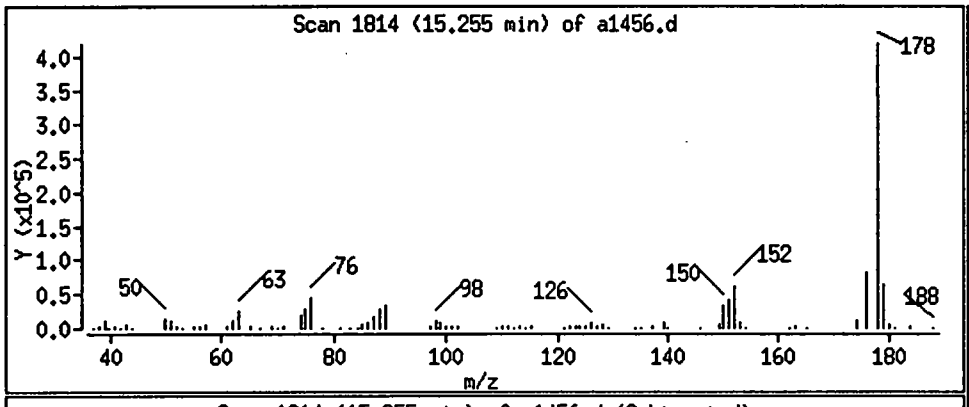
Volume Injected (uL): 1.0

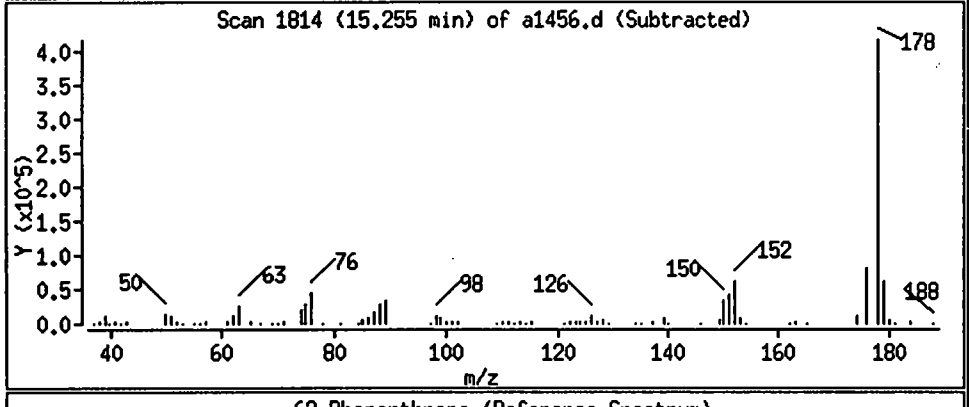
Operator:

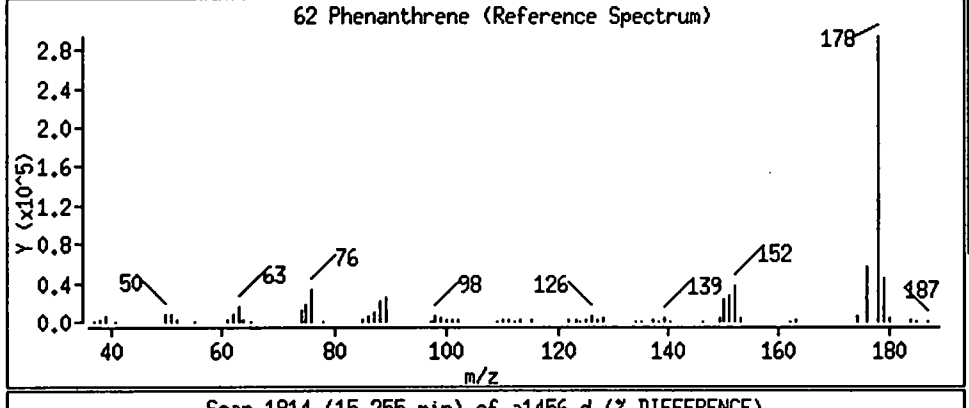
Column phase: hp-5MS

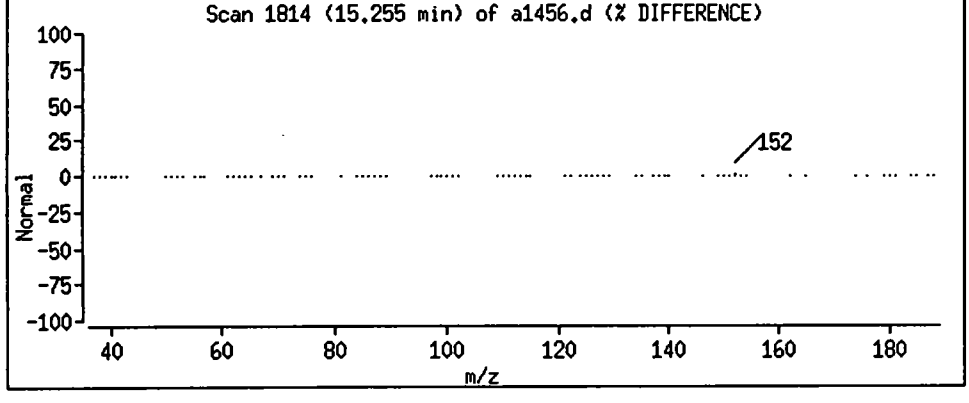
Column diameter: 0.25

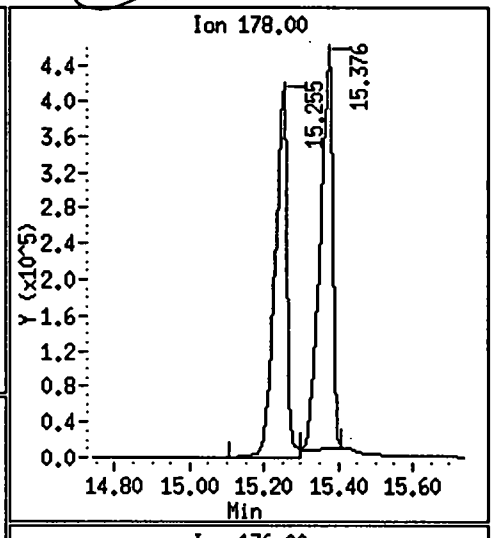
62 Phenanthrene

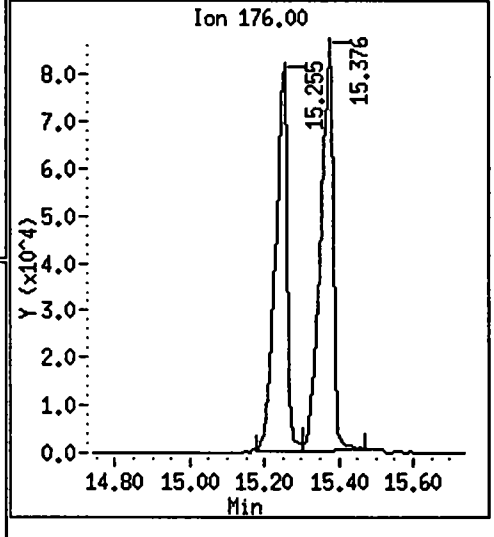












Data File: /wplcsdisk2/hp72a.i/090594.b/a1456.d

Date : 05-SEP-1994 18:07

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-39

Volume Injected (uL): 1.0

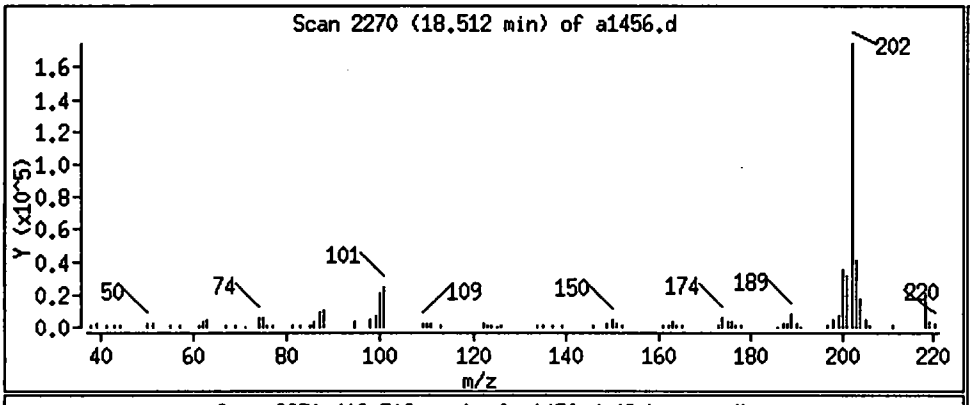
Operator:

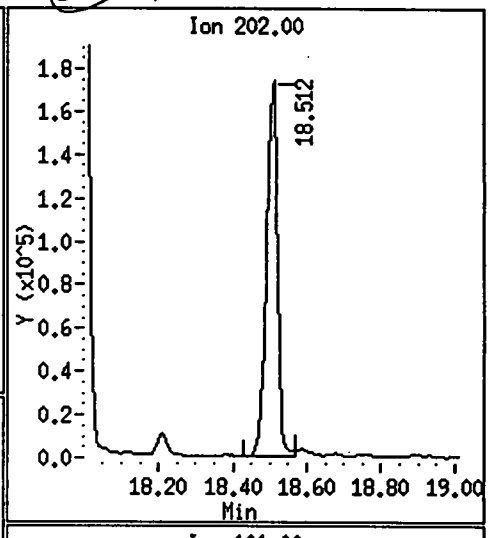
Column phase: hp-5MS

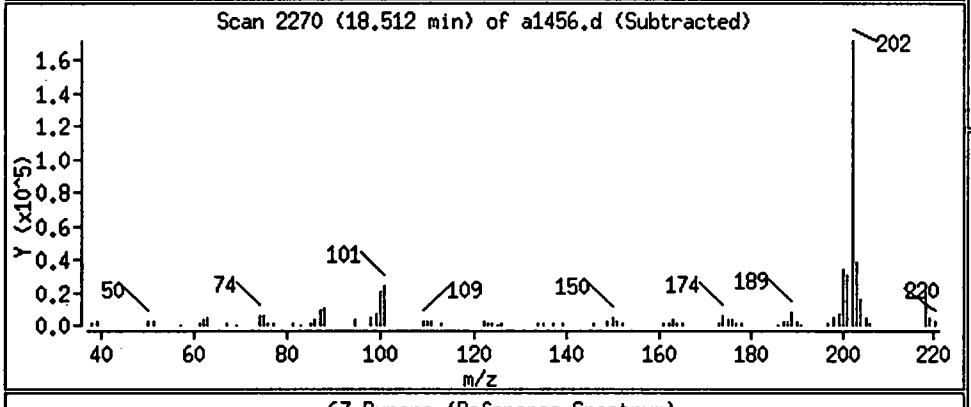
Column diameter: 0.25

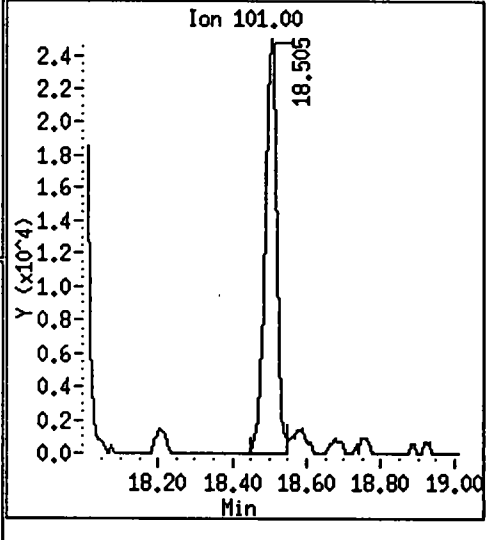
OK ARR

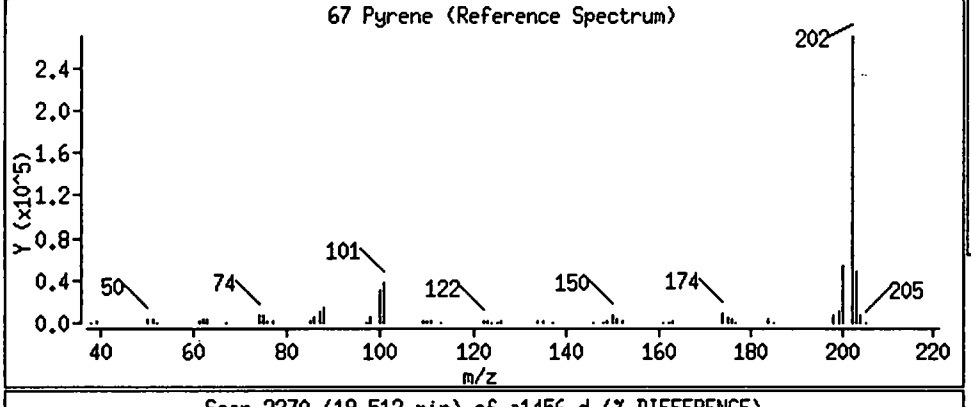
67 Pyrene

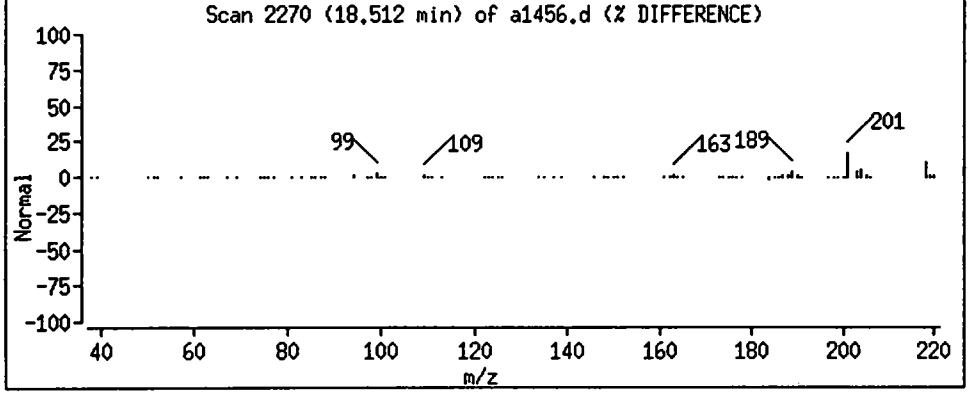












Data File: /wplcsdisk2/hp72a.i/090594.b/a1457.d

Date : 05-SEP-1994 18:45

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-40

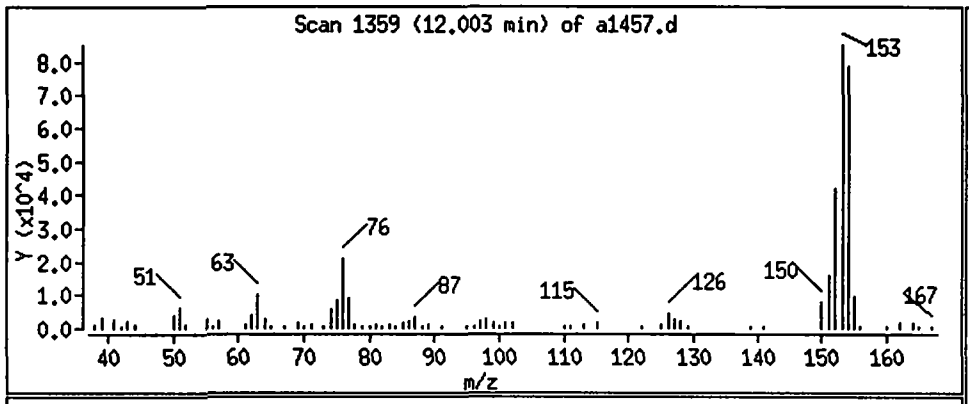
Volume Injected (uL): 1.0

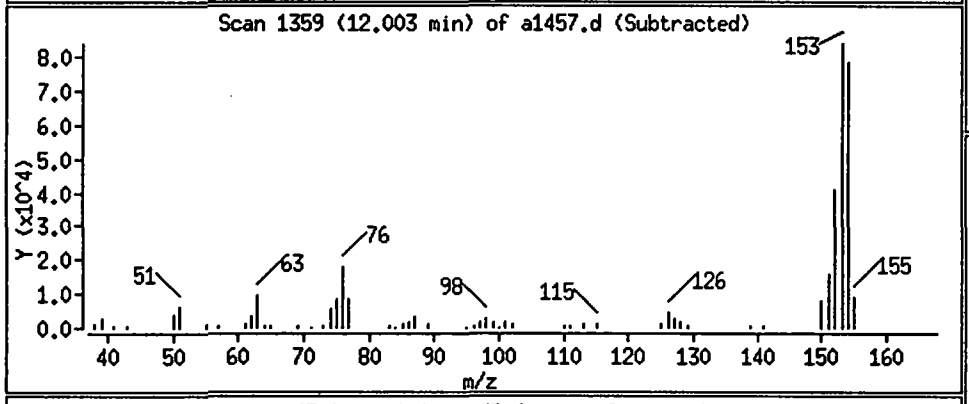
Operator:

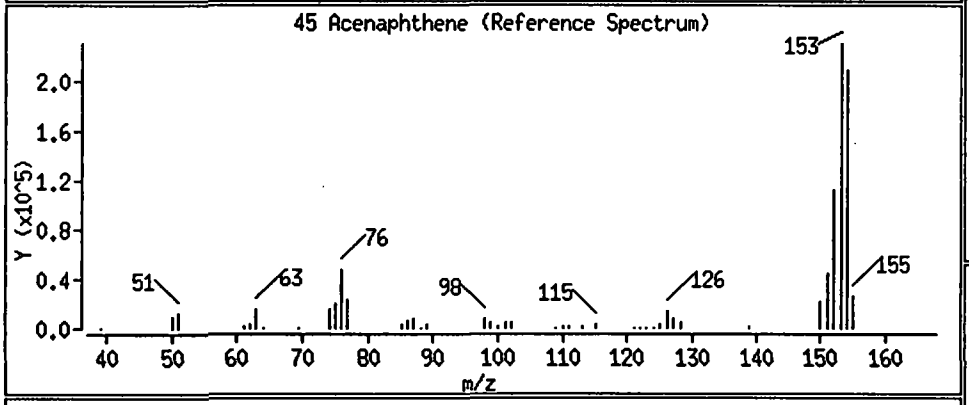
Column phase: hp-5MS

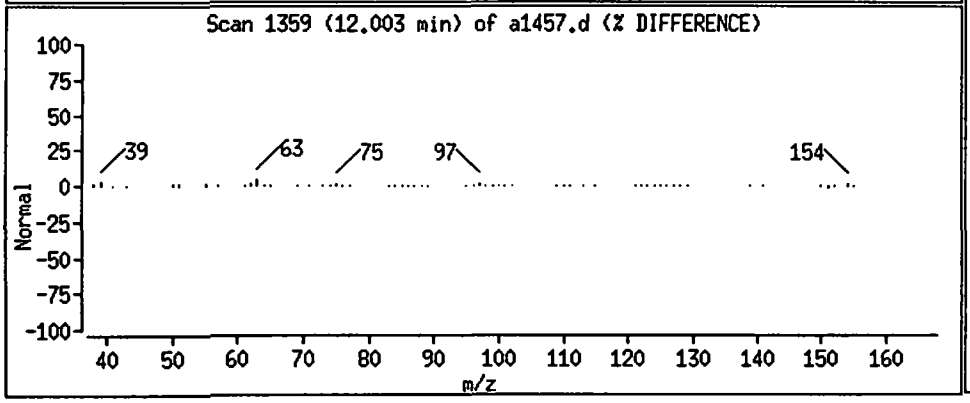
Column diameter: 0.25

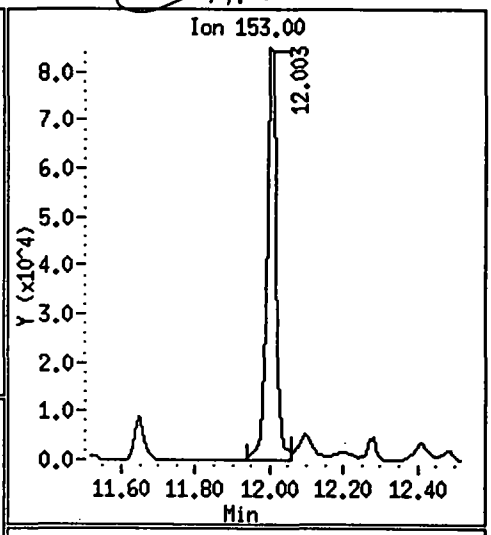
45 Acenaphthene

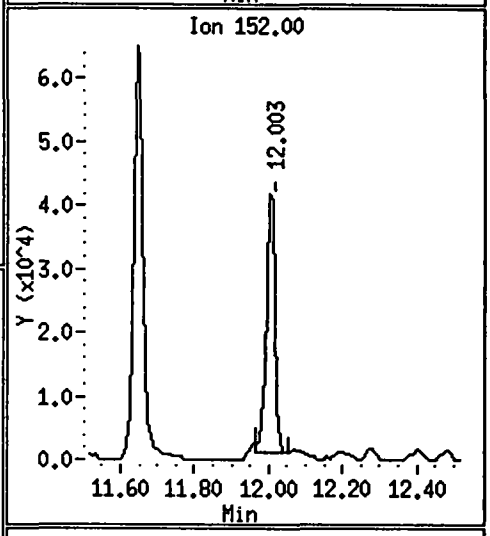


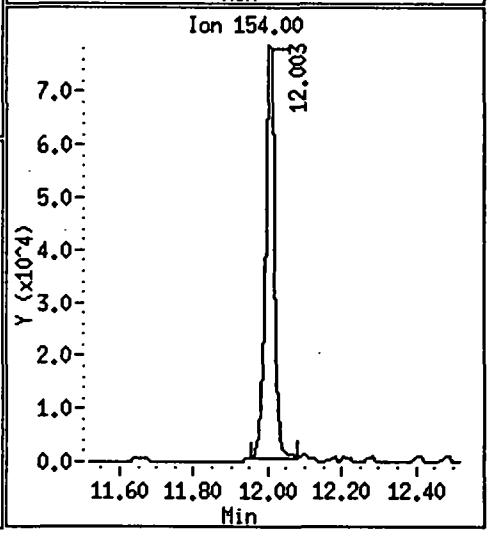












Data File: /uplcsdisk2/hp72a.i/090594.b/a1457.d

Date : 05-SEP-1994 18:45

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-40

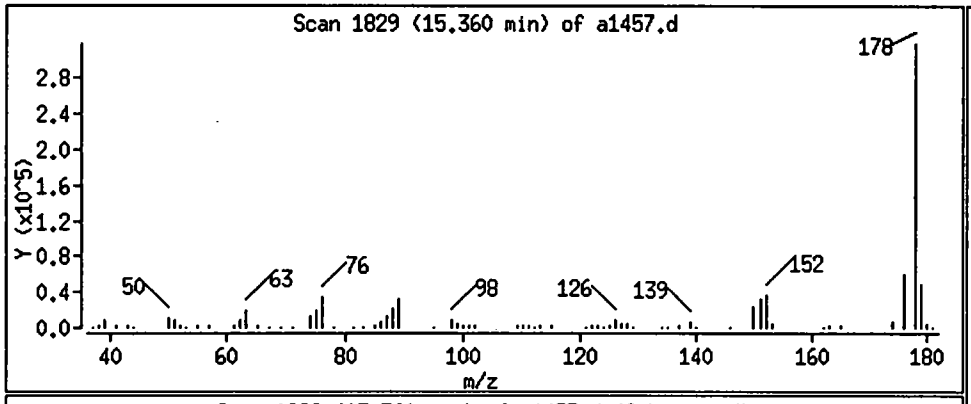
Volume Injected (uL): 1.0

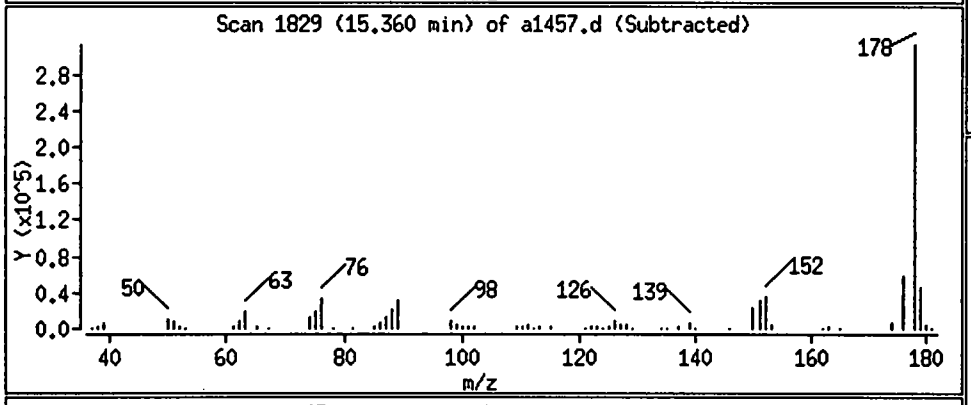
Operator:

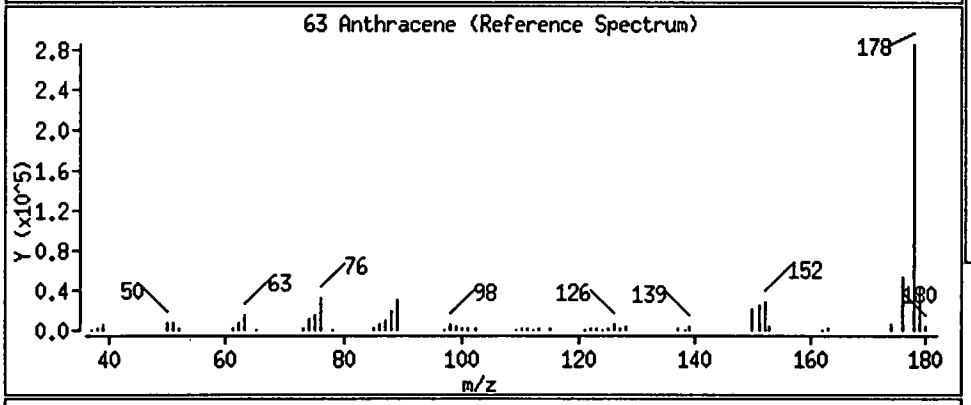
Column phase: hp-5MS

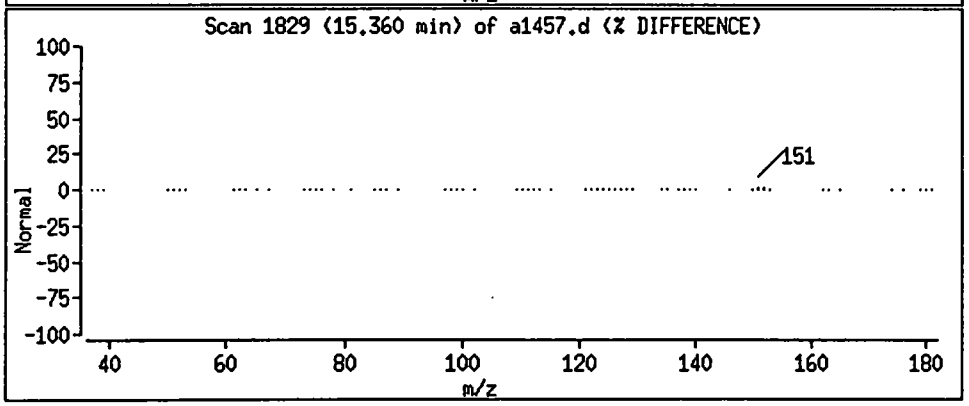
Column diameter: 0.25

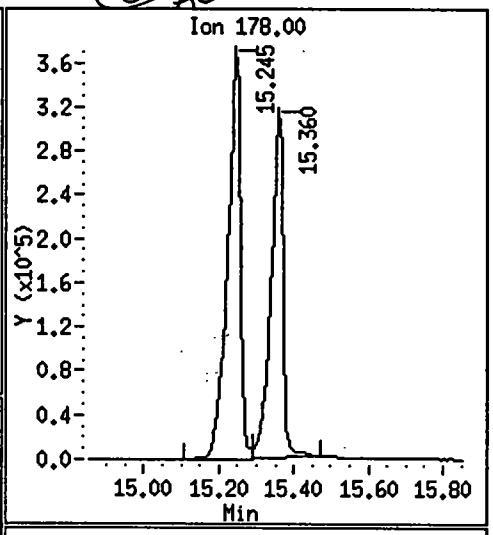
63 Anthracene

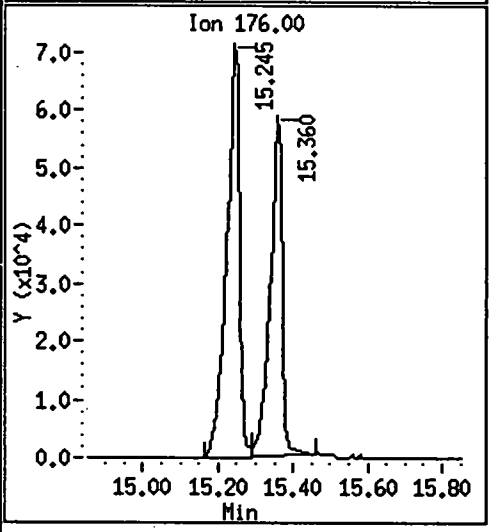












Data File: /wplcsdisk2/hp72a.i/090594.b/a1457.d

Date : 05-SEP-1994 18:45

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-40

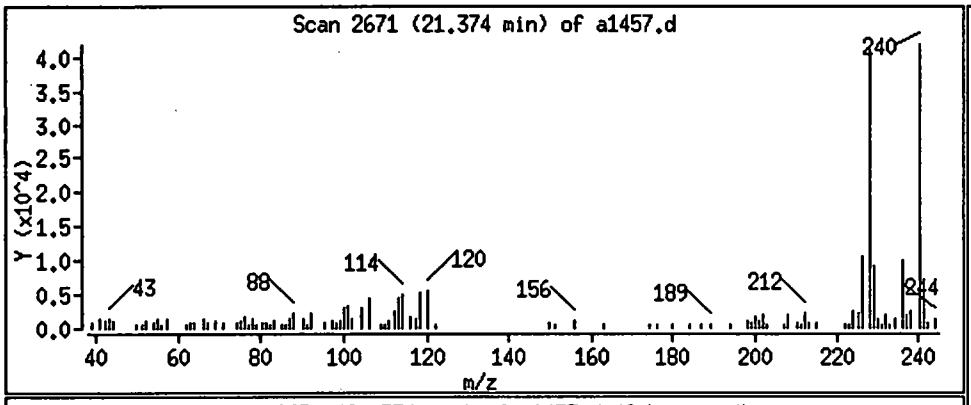
Volume Injected (uL): 1.0

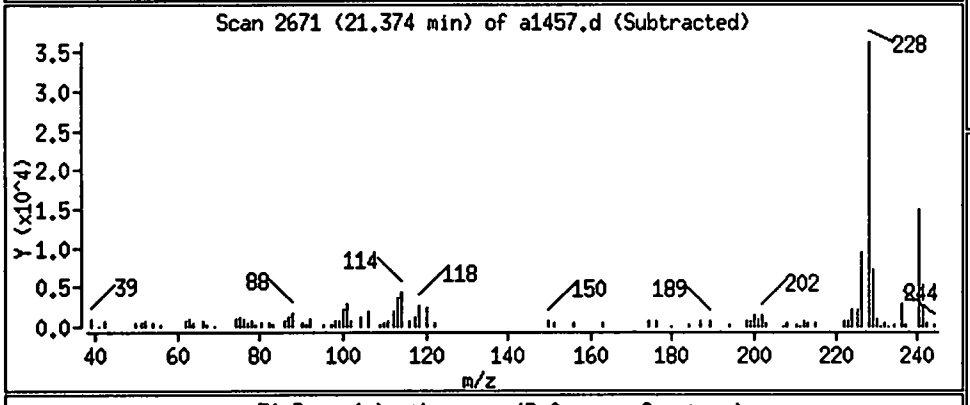
Operator:

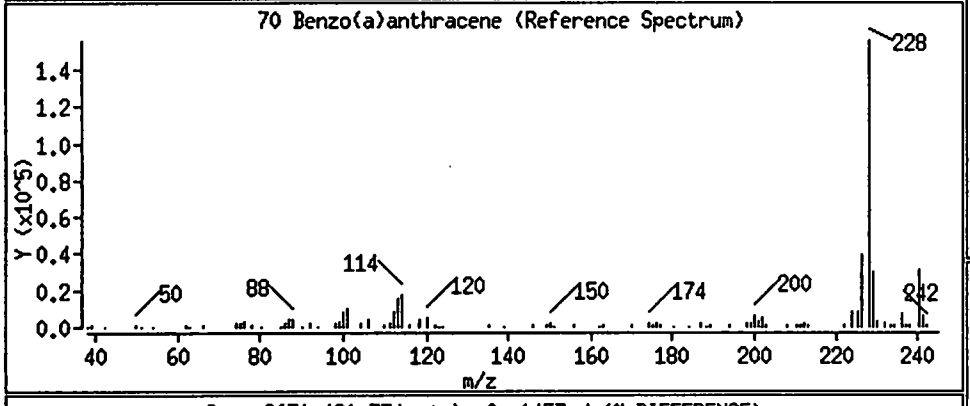
Column phase: hp-5MS

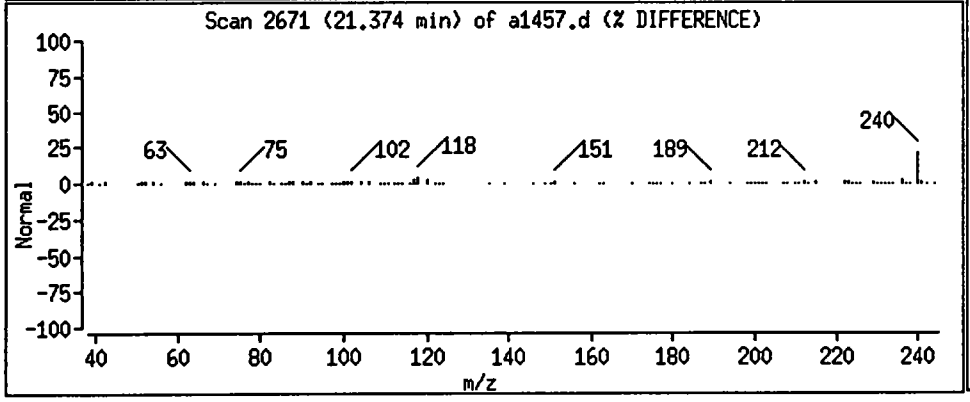
Column diameter: 0.25

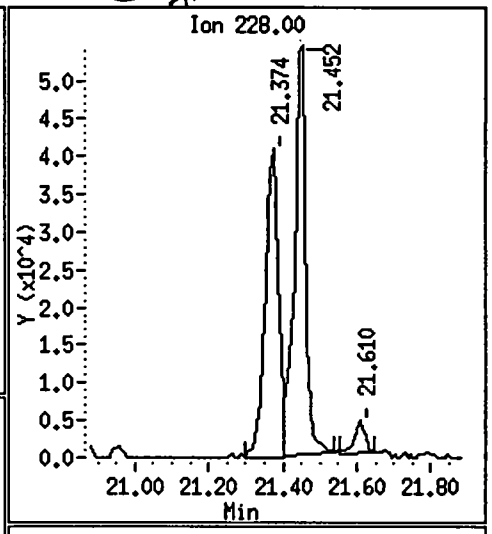
70 Benzo(a)anthracene

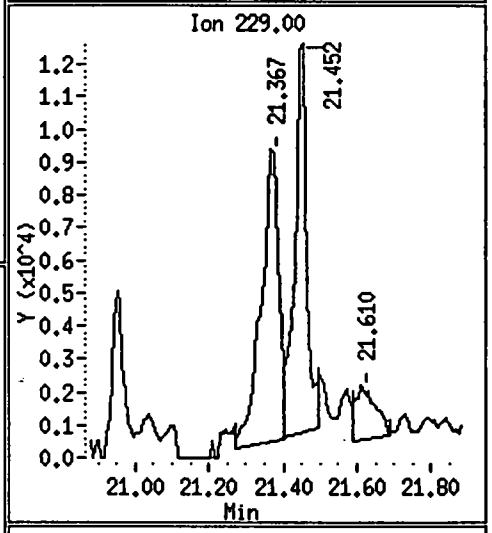


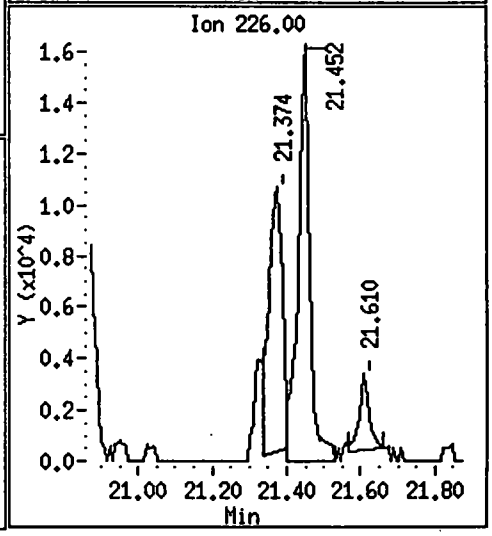












Data File: /wplcsdisk2/hp72a.i/090594.b/a1457.d

Date : 05-SEP-1994 18:45

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-40

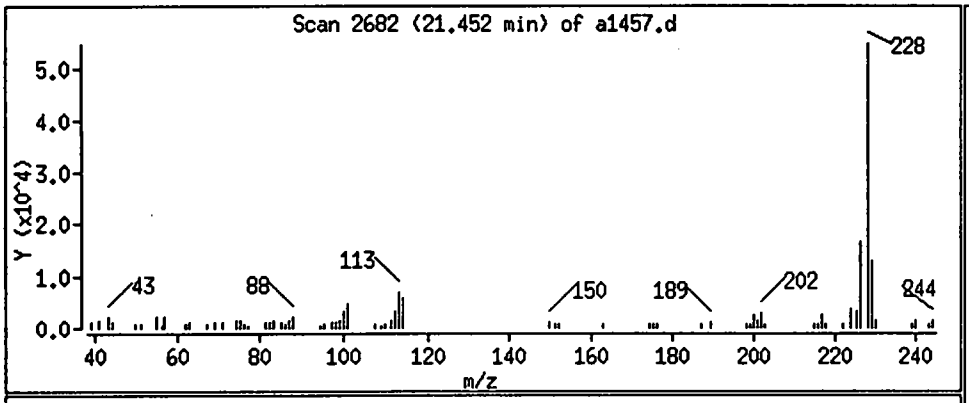
Volume Injected (uL): 1.0

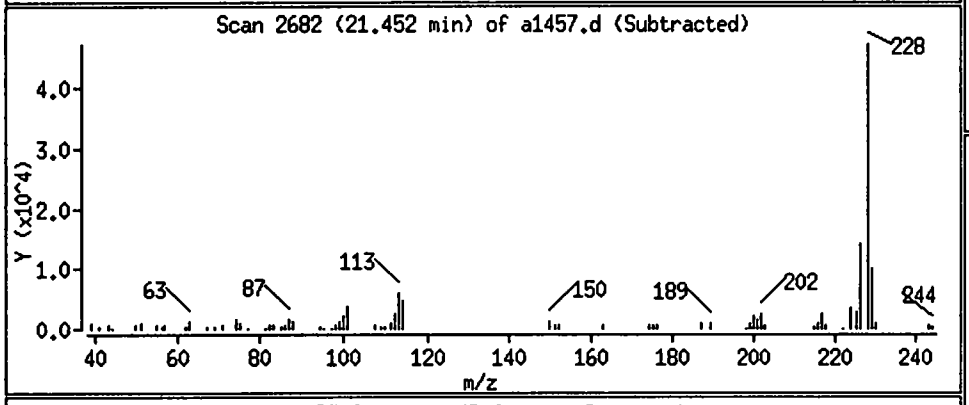
Operator:

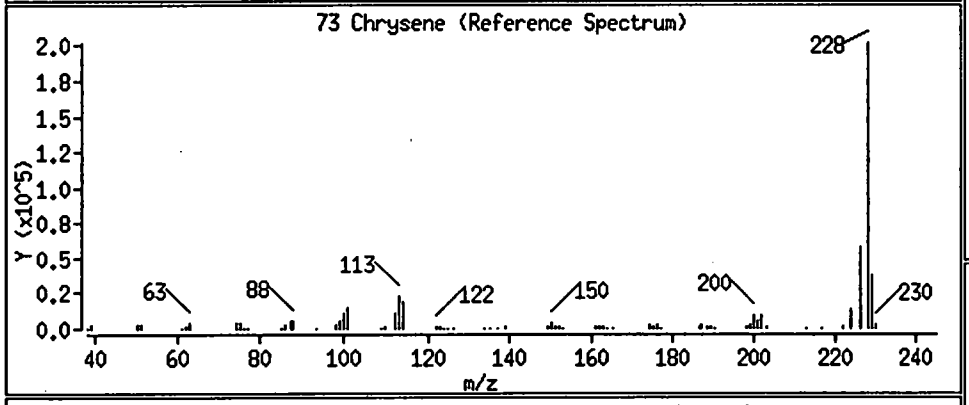
Column phase: hp-5MS

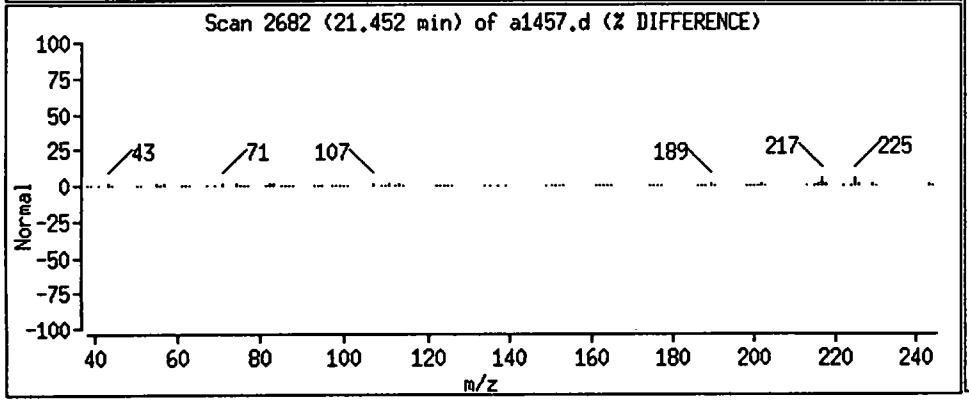
Column diameter: 0.25

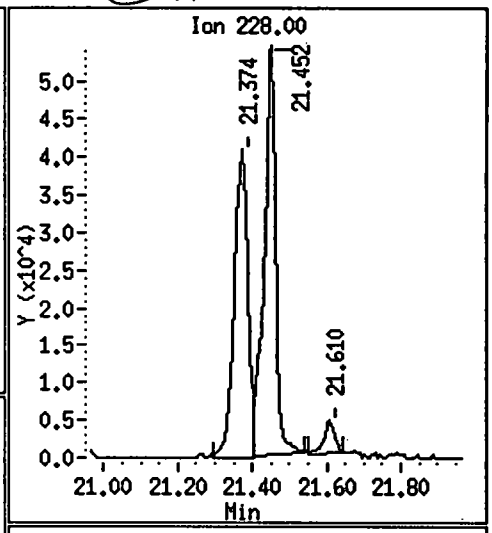
73 Chrysene

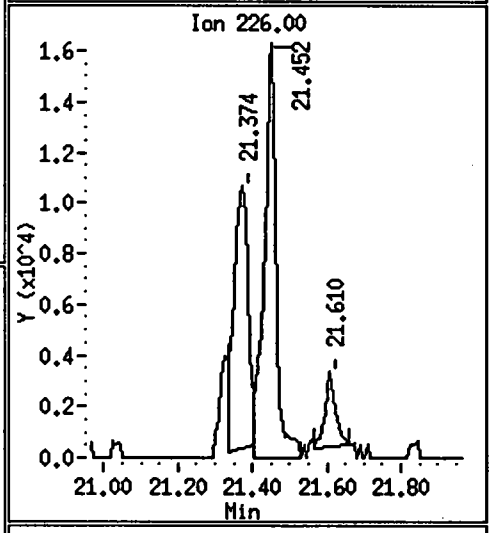


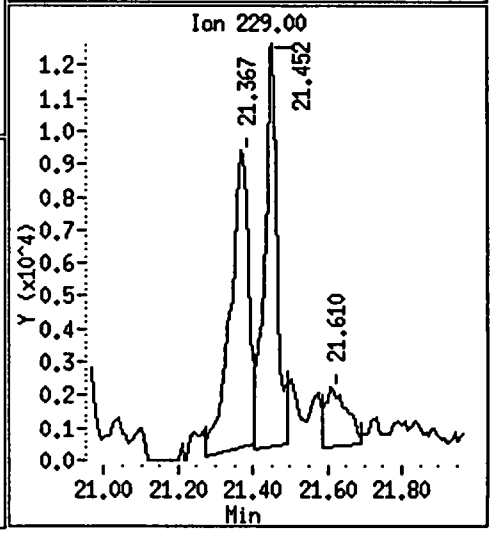












Data File: /wplcsdisk2/hp72a.i/090594.b/a1457.d

Date : 05-SEP-1994 18:45

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-40

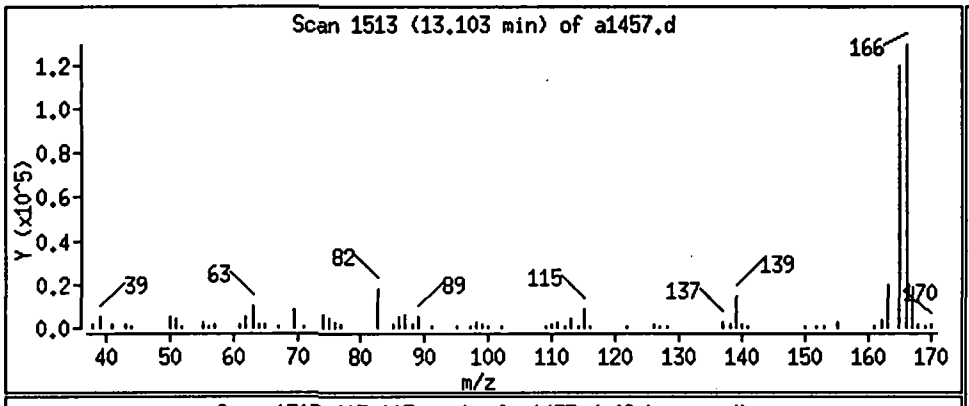
Volume Injected (uL): 1.0

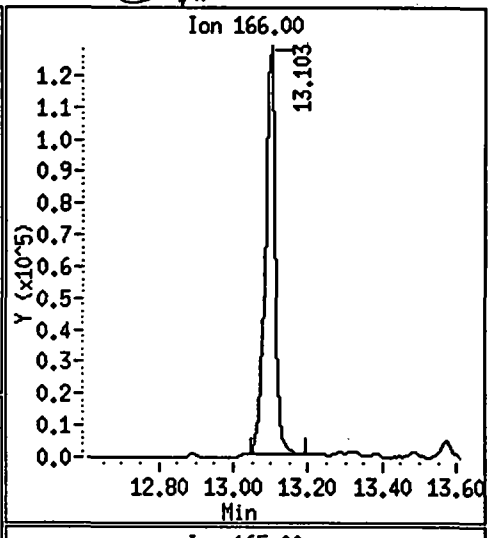
Operator:

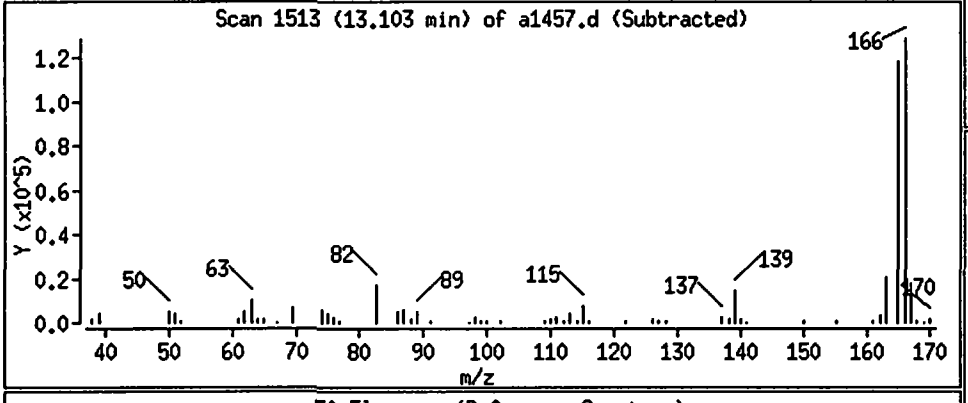
Column phase: hp-5MS

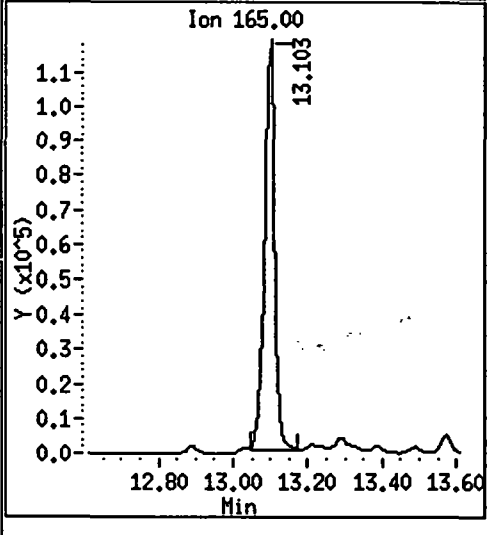
Column diameter: 0.25

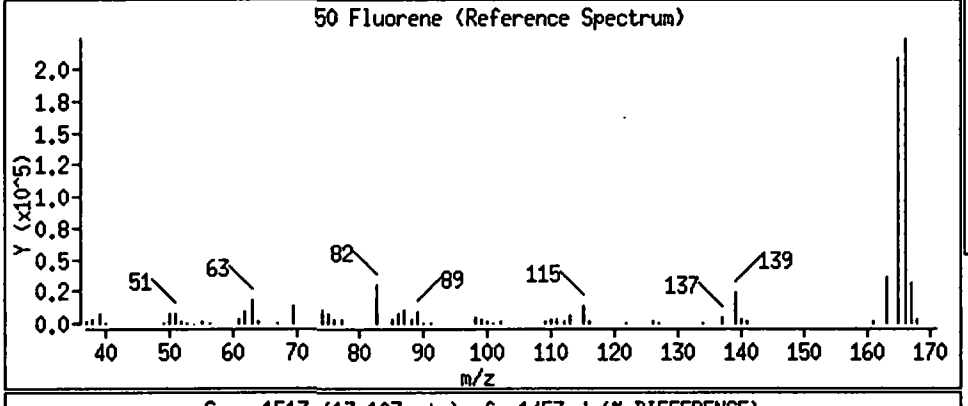
50 Fluorene

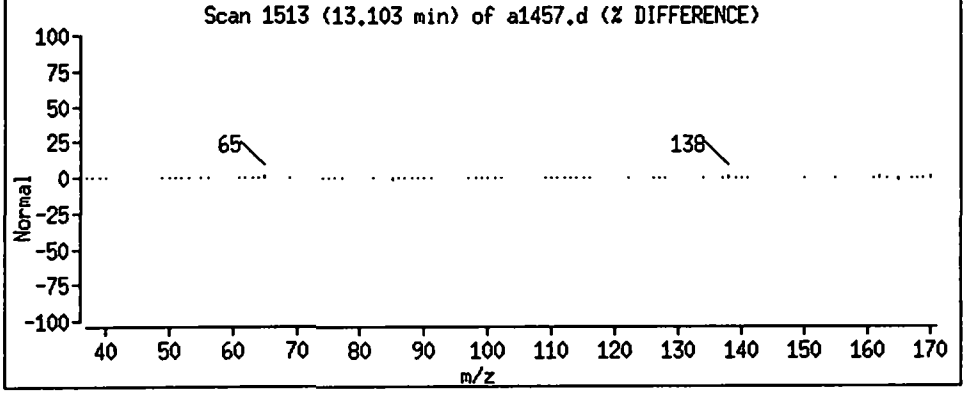












Data File: /wplcsdisk2/hp72a.i/090594.b/a1457.d

Date : 05-SEP-1994 18:45

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-40

Volume Injected (uL): 1.0

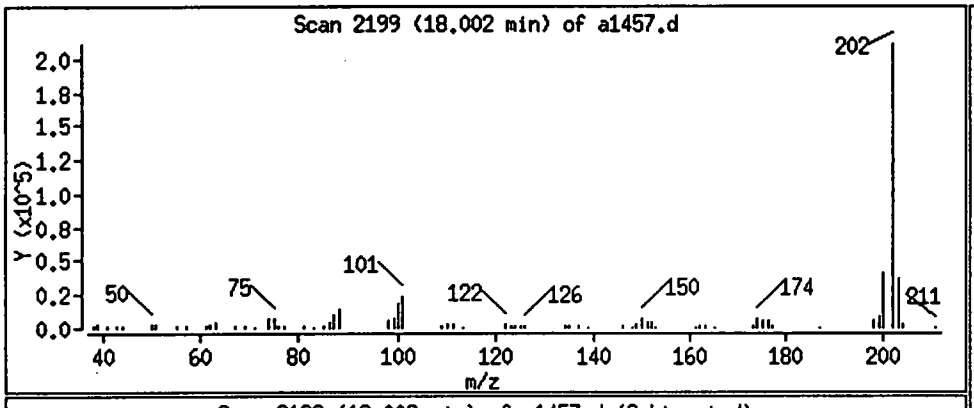
Operator:

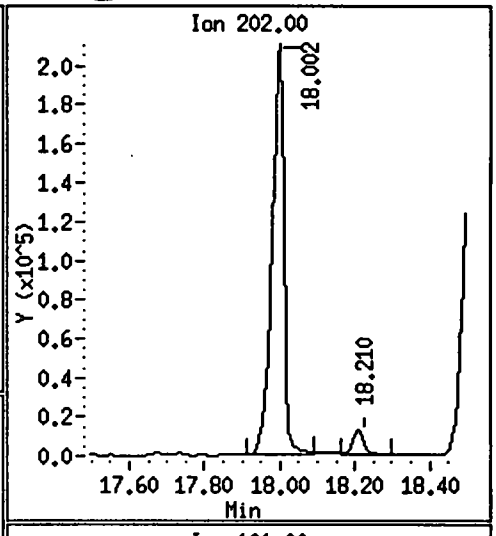
Column phase: hp-5MS

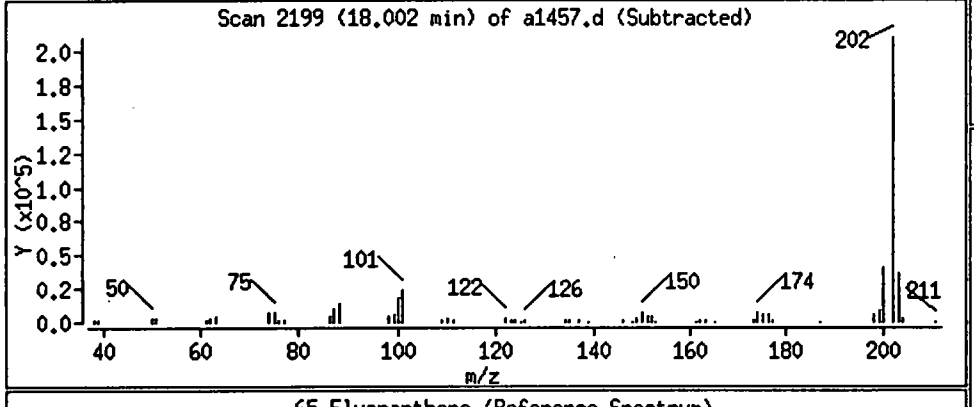
Column diameter: 0.25

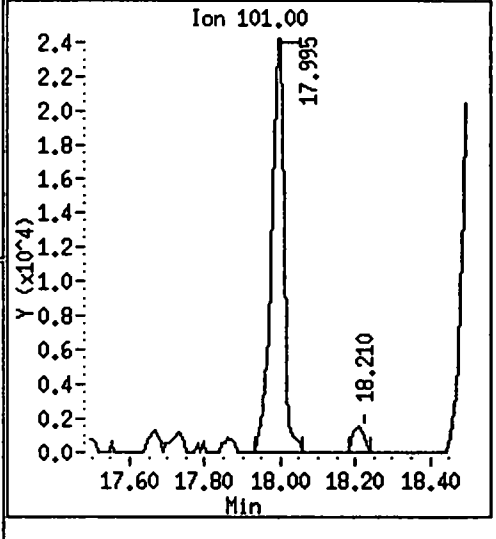
OK ARL

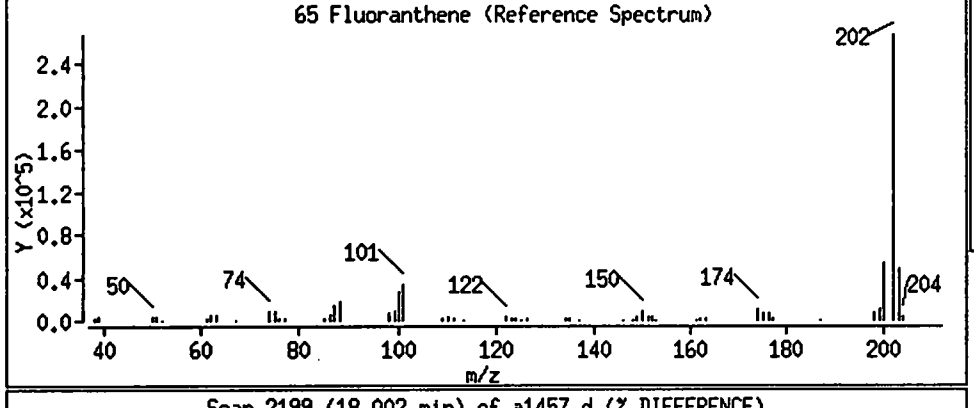
65 Fluoranthene

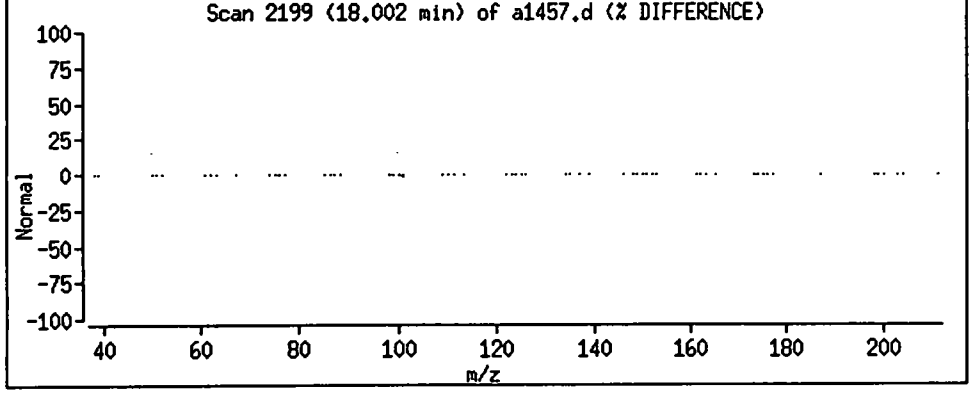












Data File: /wplcsdisk2/hp72a.i/090594.b/a1457.d

Date : 05-SEP-1994 18:45

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-40

Volume Injected (uL): 1.0

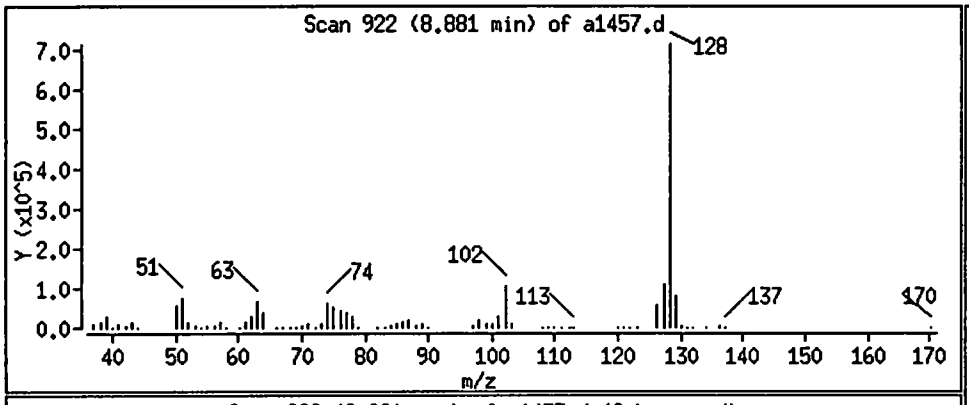
Operator:

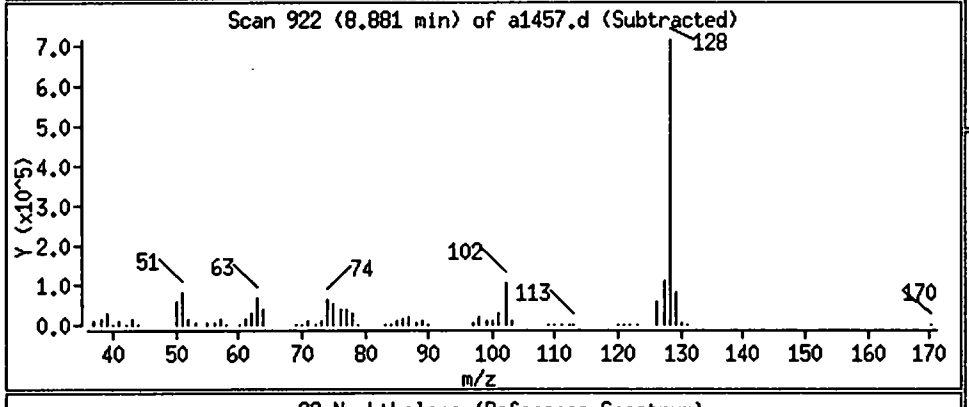
Column phase: hp-5MS

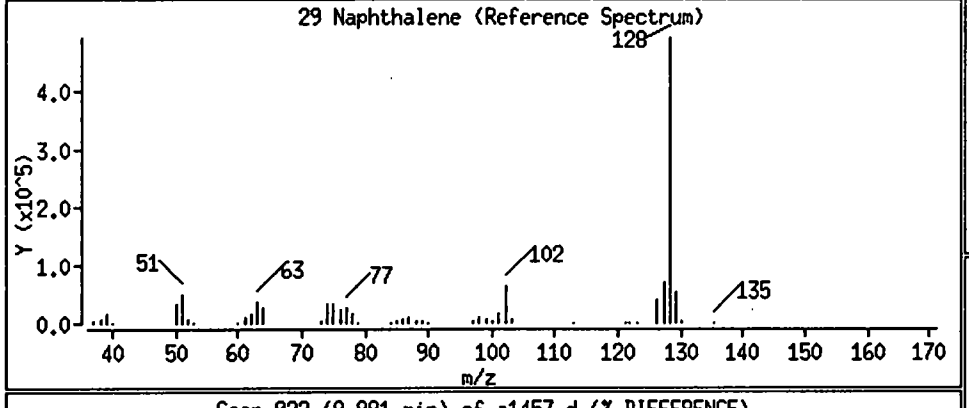
Column diameter: 0.25

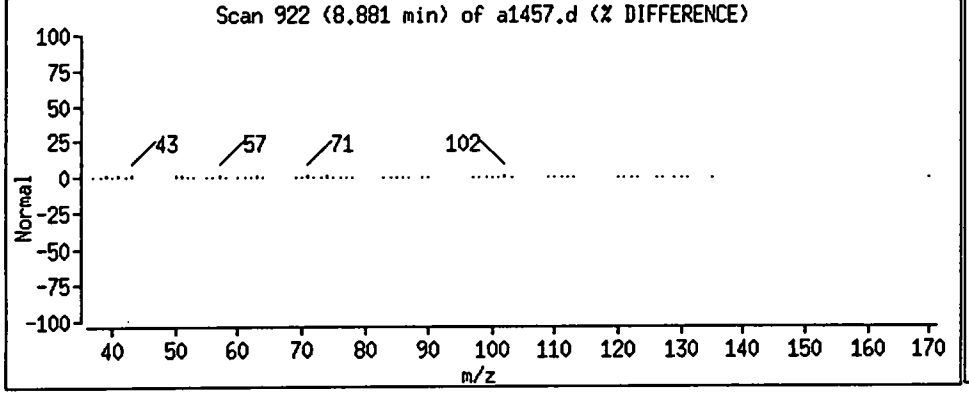
29 Naphthalene

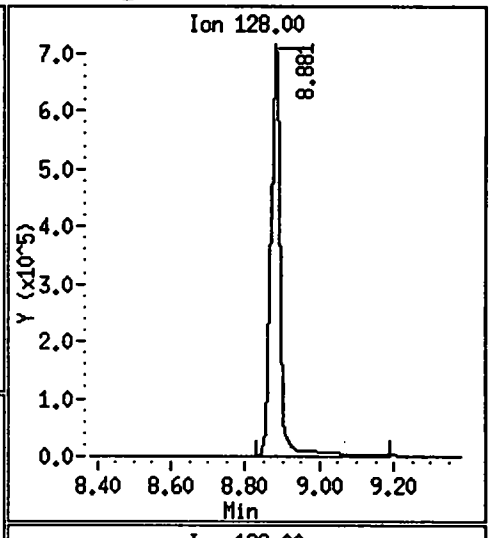
OK ARR

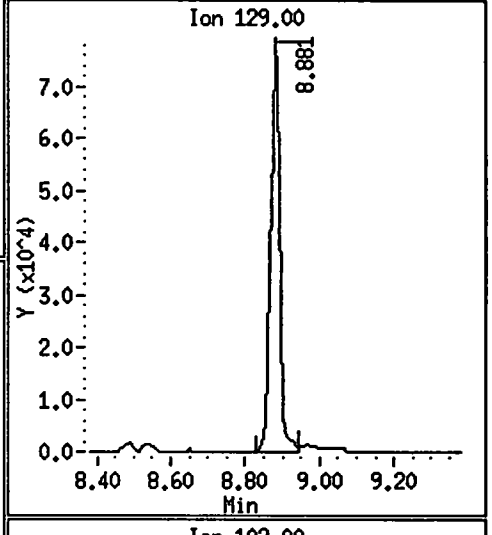


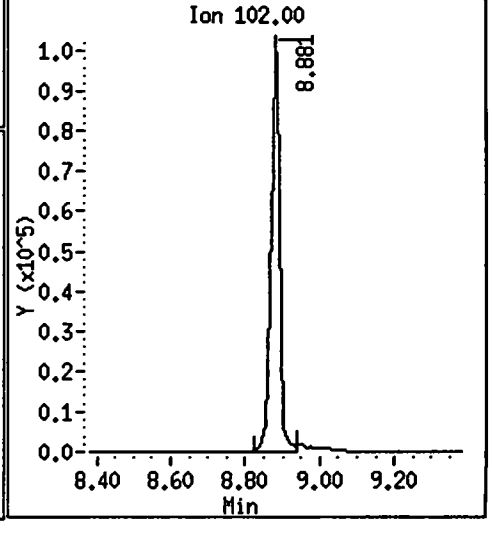












Data File: /wplcsdisk2/hp72a.i/090594.b/a1457.d

Date : 05-SEP-1994 18:45

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-40

Volume Injected (uL): 1.0

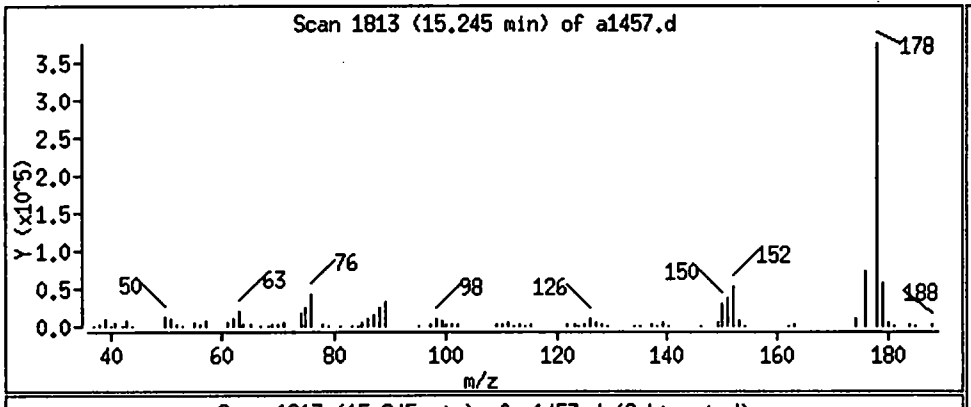
Operator:

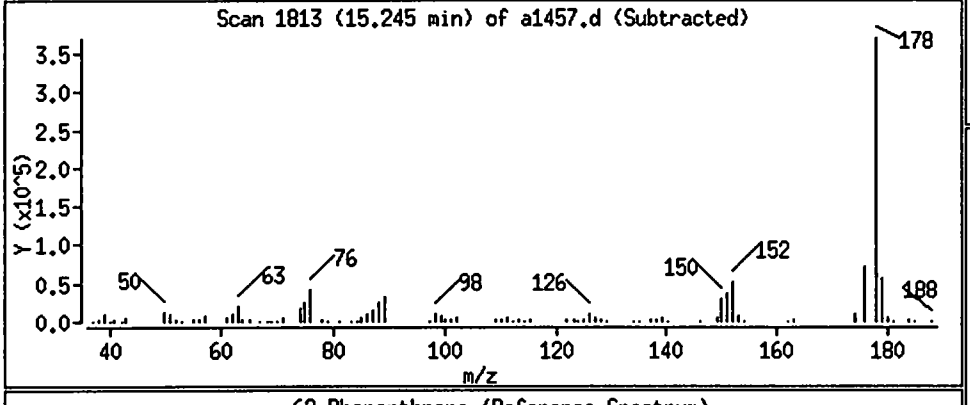
Column phase: hp-5MS

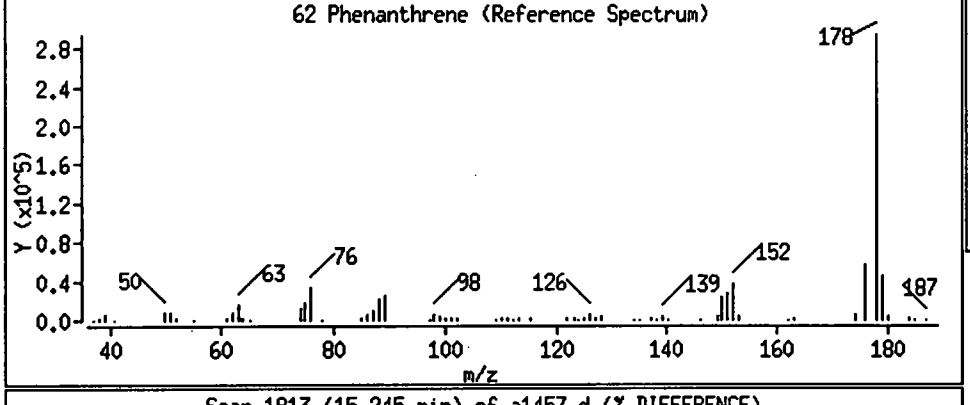
Column diameter: 0.25

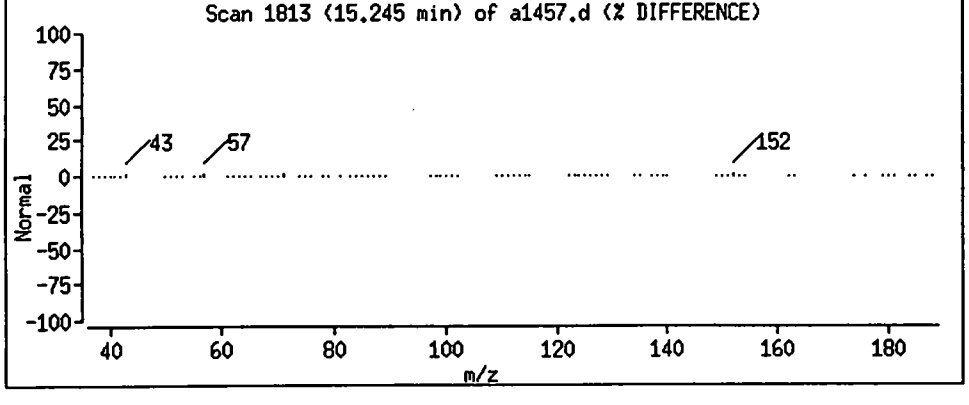
OK ALL

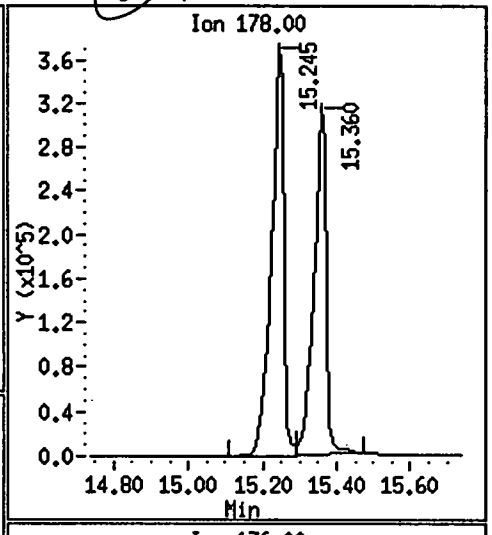
62 Phenanthrene

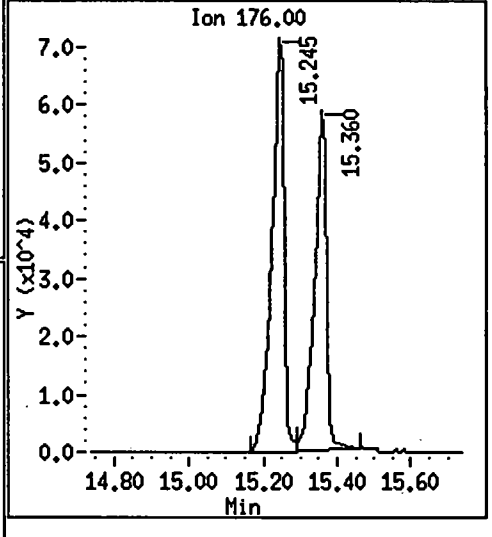












Data File: /wplcsdisk2/hp72a.i/090594.b/a1457.d

Date : 05-SEP-1994 18:45

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/0826-40

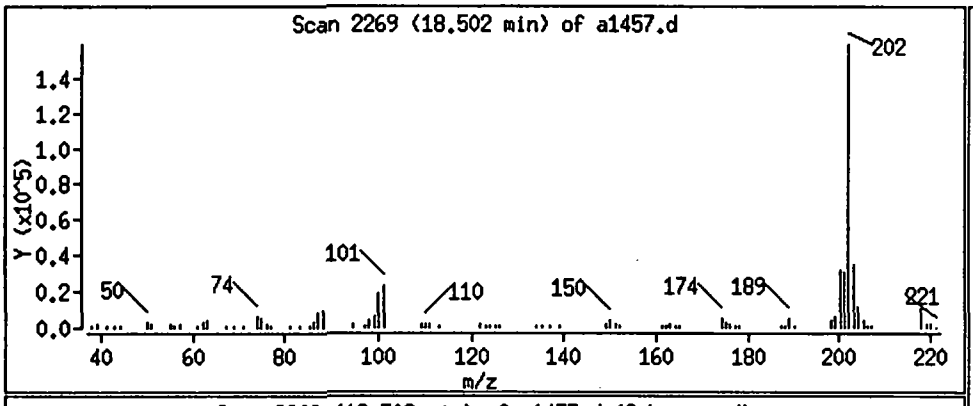
Volume Injected (uL): 1.0

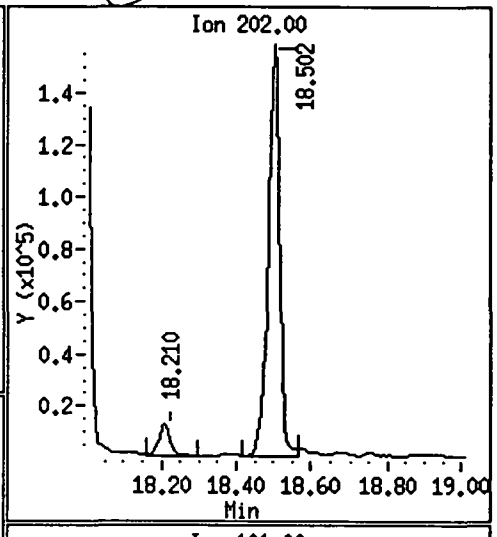
Operator:

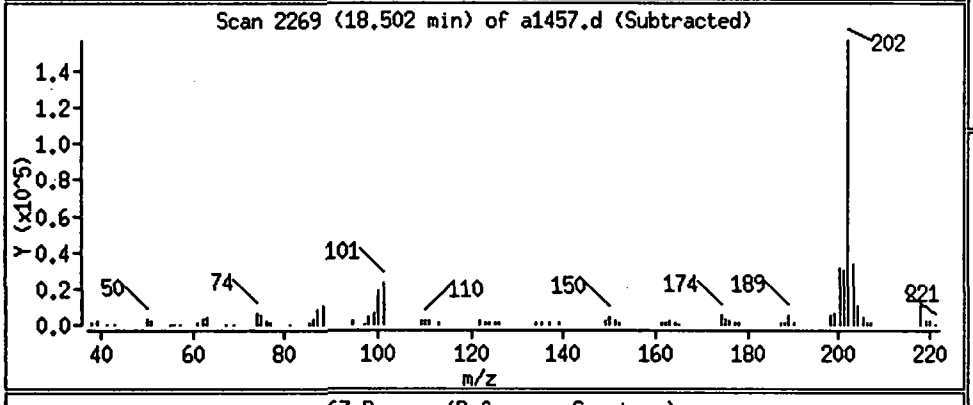
Column phase: hp-5MS

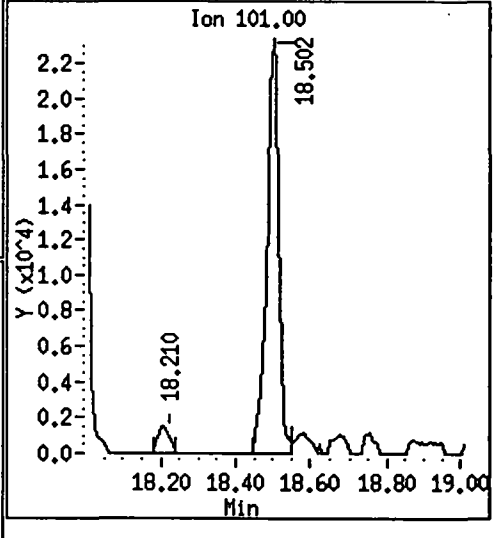
Column diameter: 0.25

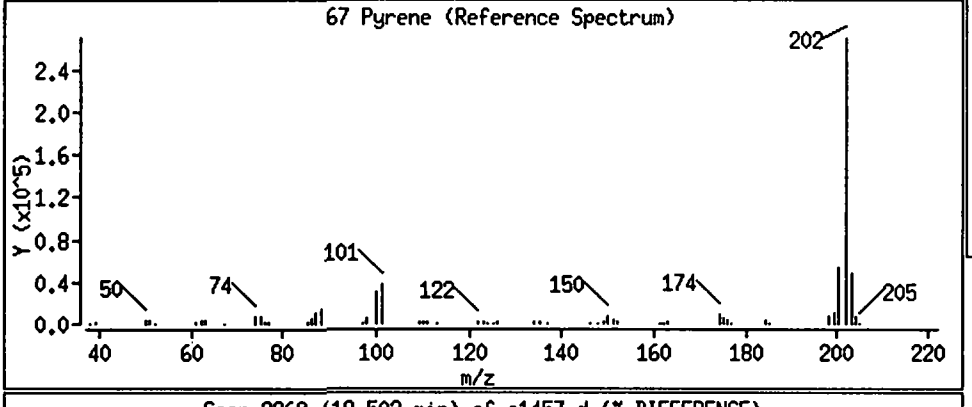
67 Pyrene

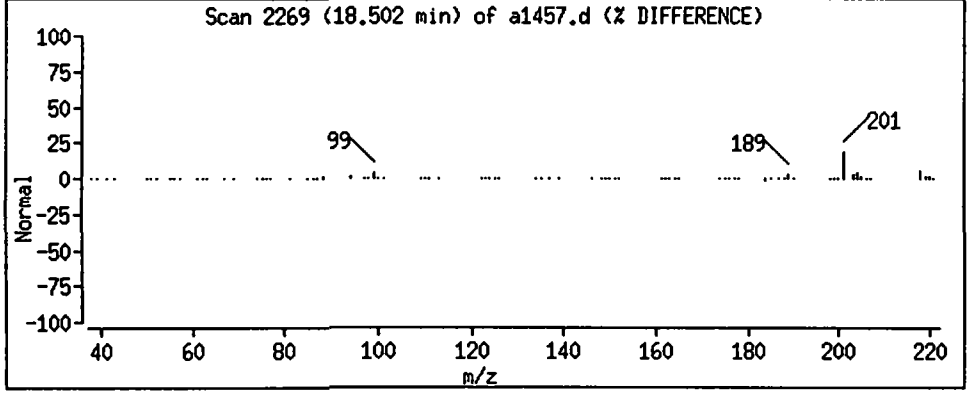












Data File: /wplcsdisk2/hp72a.i/090594.b/a1458.d

Date : 05-SEP-1994 19:22

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-41

Volume Injected (uL): 1.0

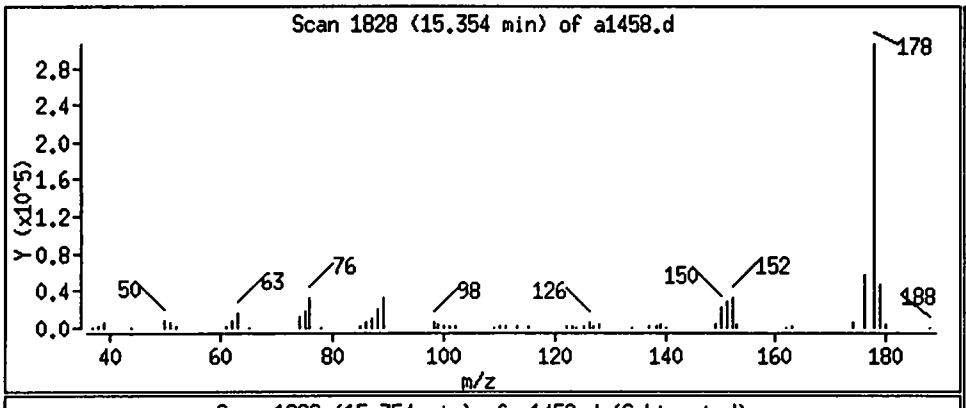
Operator:

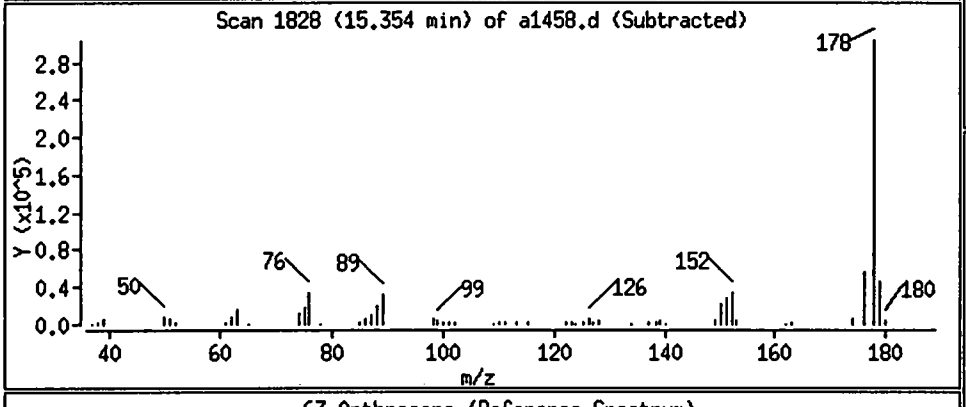
Column phase: hp-5MS

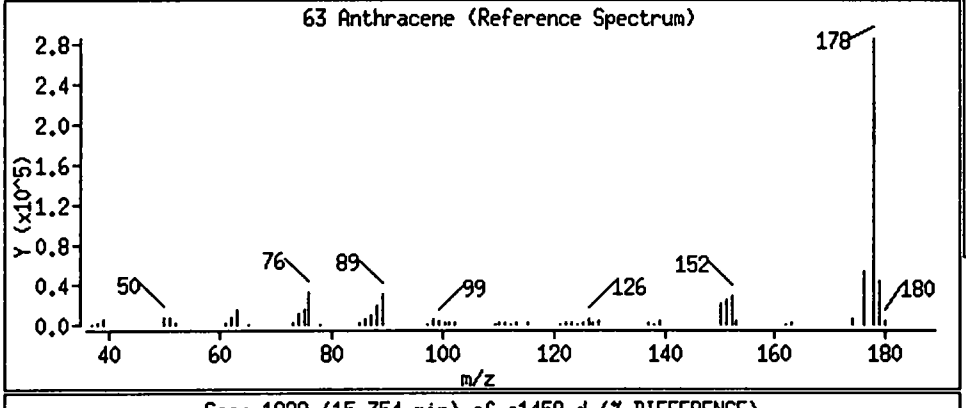
Column diameter: 0.25

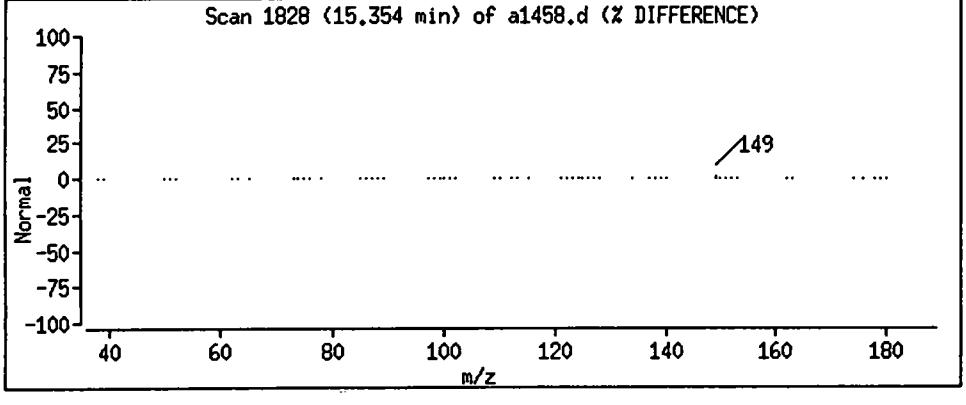
OK ARR

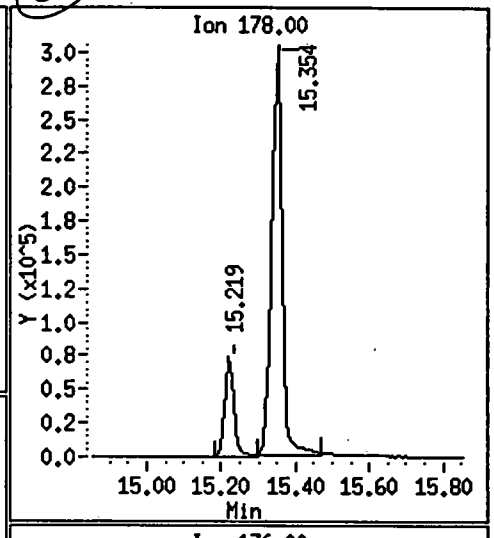
63 Anthracene

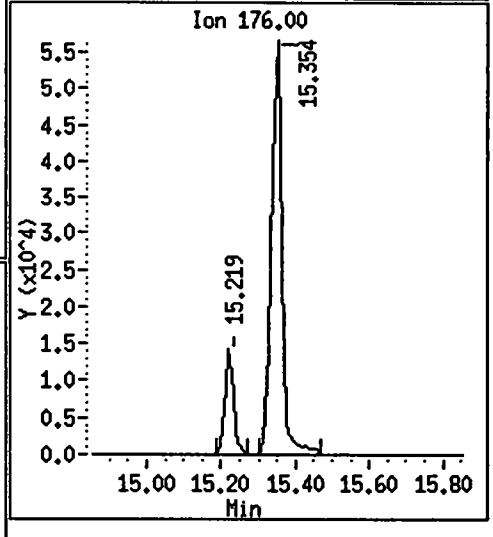












Data File: /wplcsdisk2/hp72a.i/090594.b/a1458.d

Date : 05-SEP-1994 19:22

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-41

Volume Injected (uL): 1.0

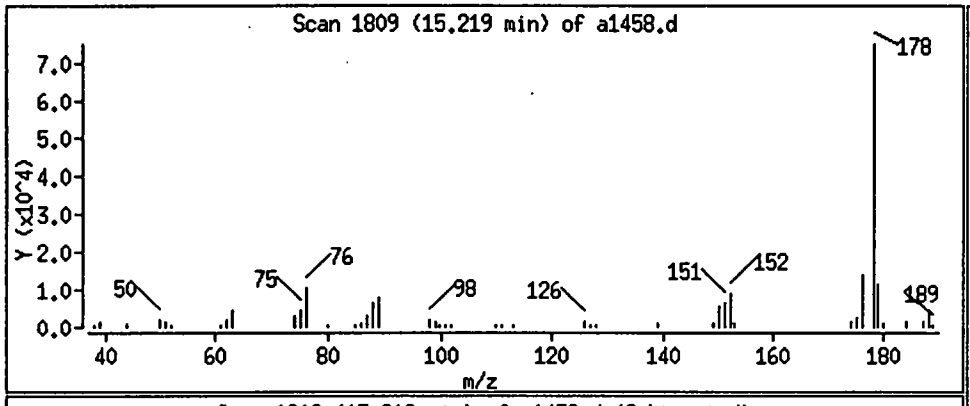
Operator:

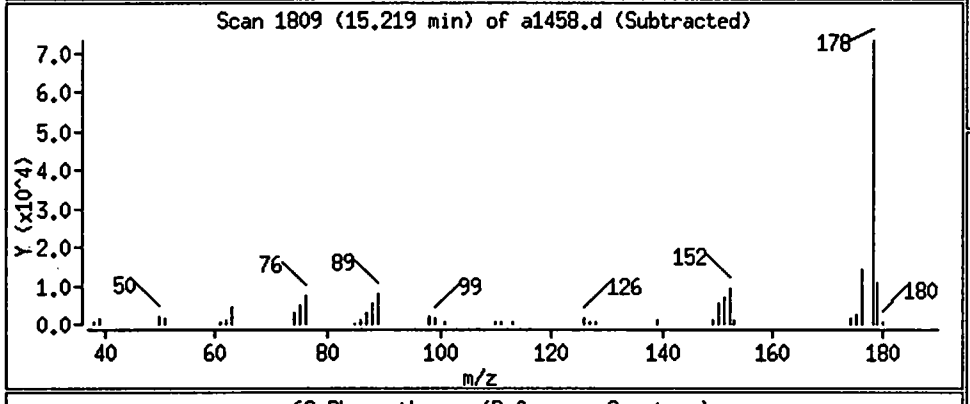
Column phase: hp-5MS

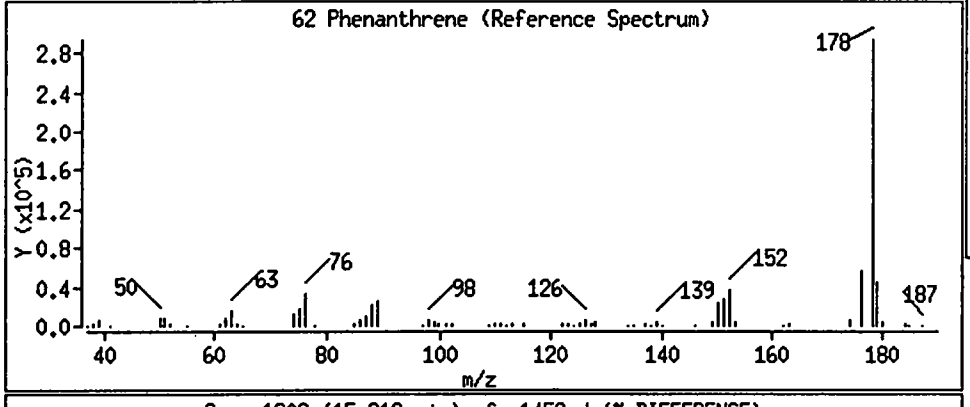
Column diameter: 0.25

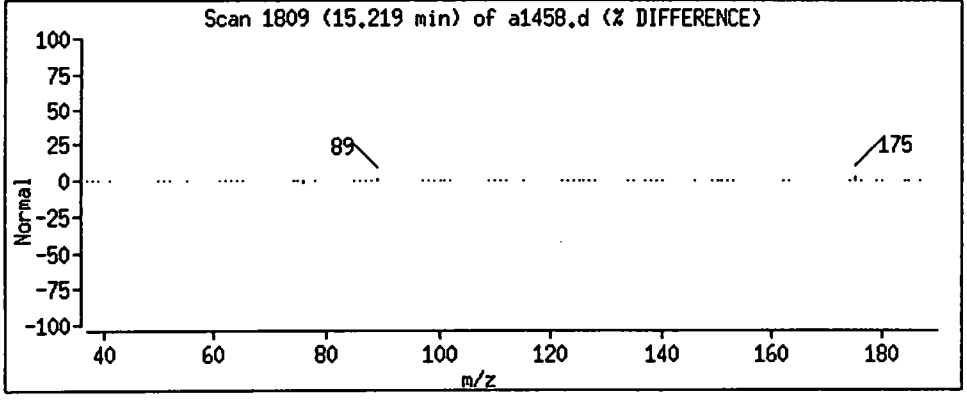
OK APR

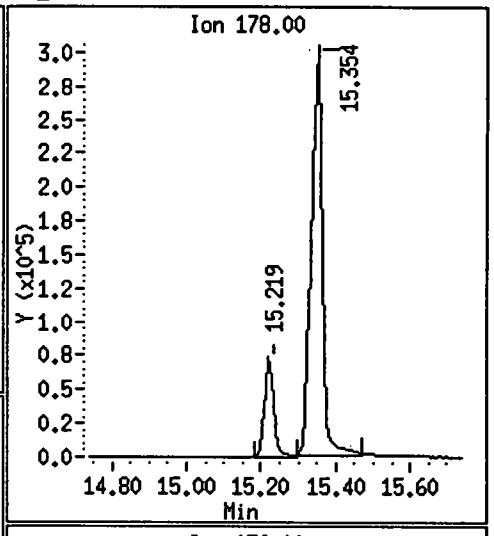
62 Phenanthrene

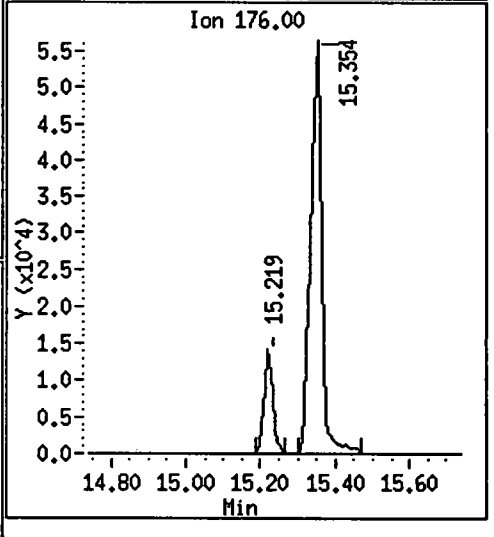












Data File: /wplcsdisk2/hp72a.i/090794.b/a1497.d

Date : 07-SEP-1994 20:23

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-2/0826-48

Volume Injected (uL): 1.0

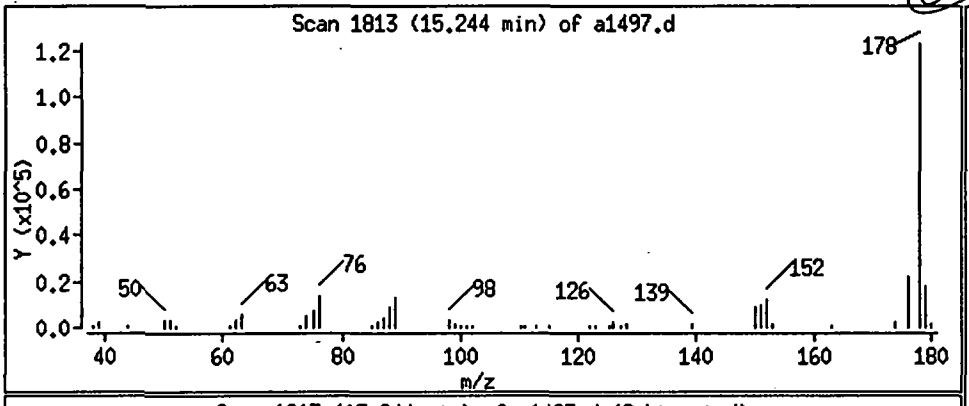
Operator:

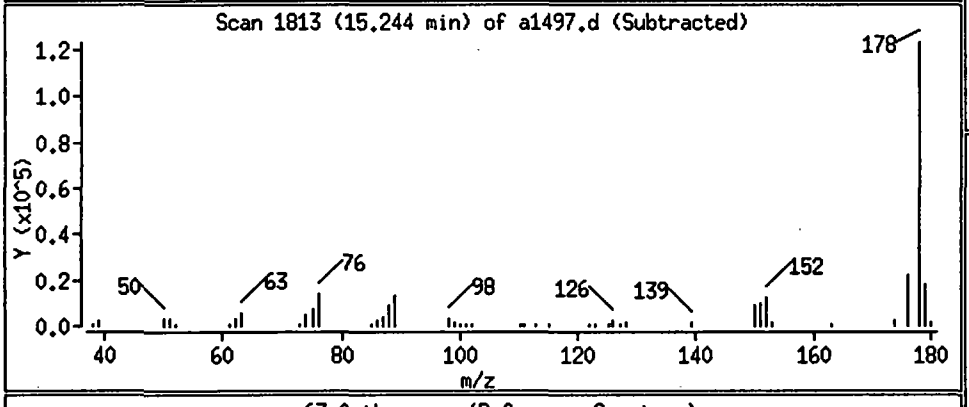
Column phase: hp-5MS

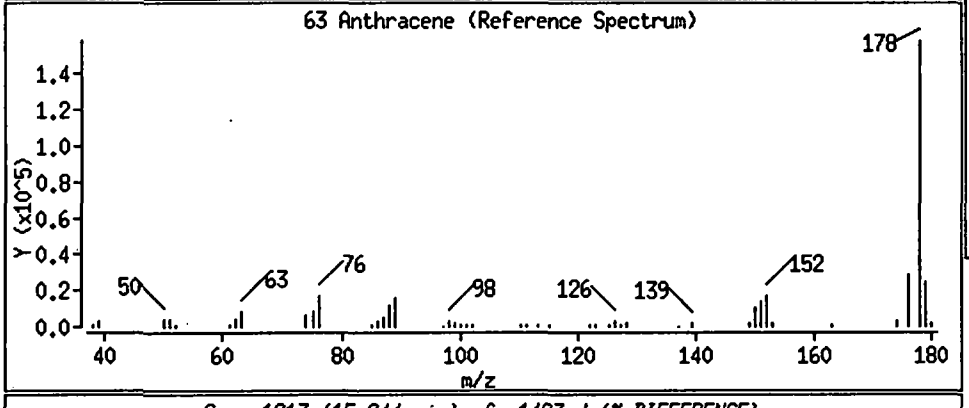
Column diameter: 0.25

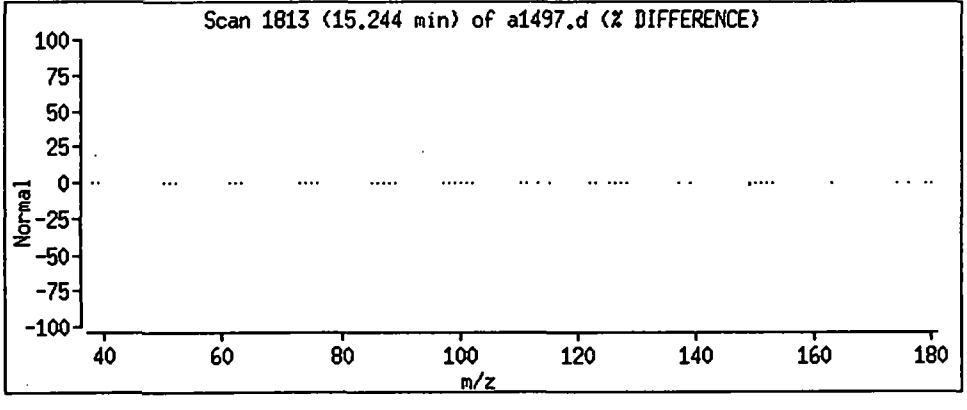
63 Anthracene

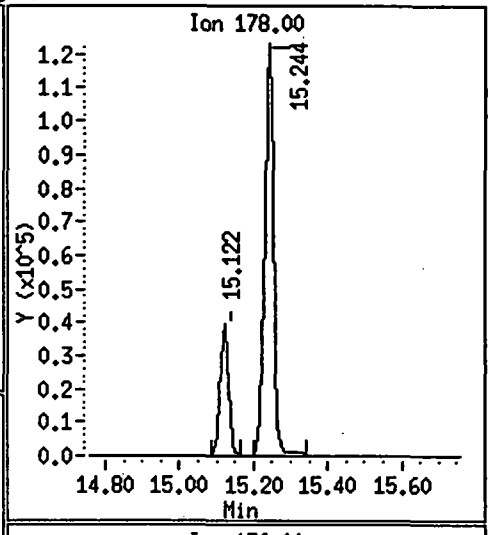
OK ART

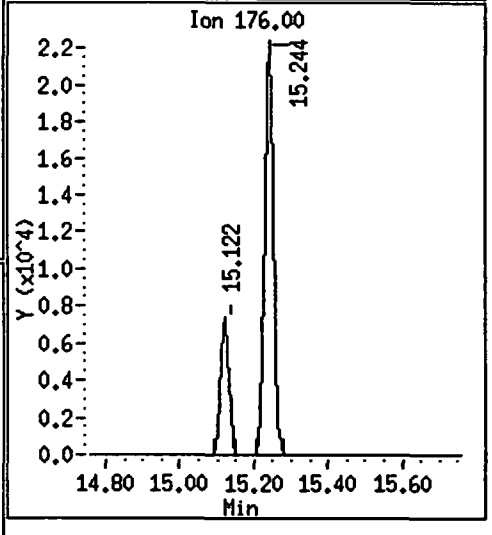












Data File: /wplcsdisk2/hp72a.i/090794.b/a1497.d

Date : 07-SEP-1994 20:23

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-2/0826-48

Volume Injected (uL): 1.0

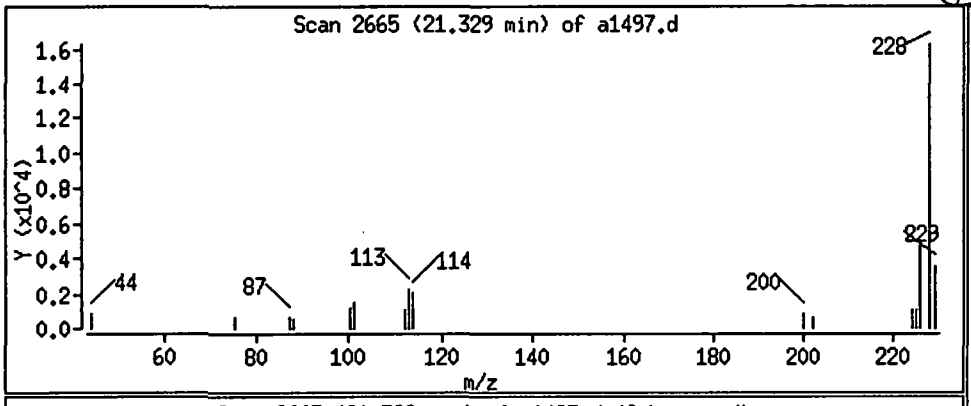
Operator:

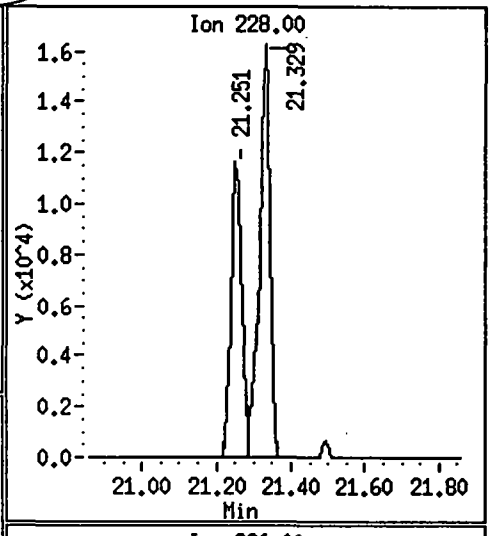
Column phase: hp-5MS

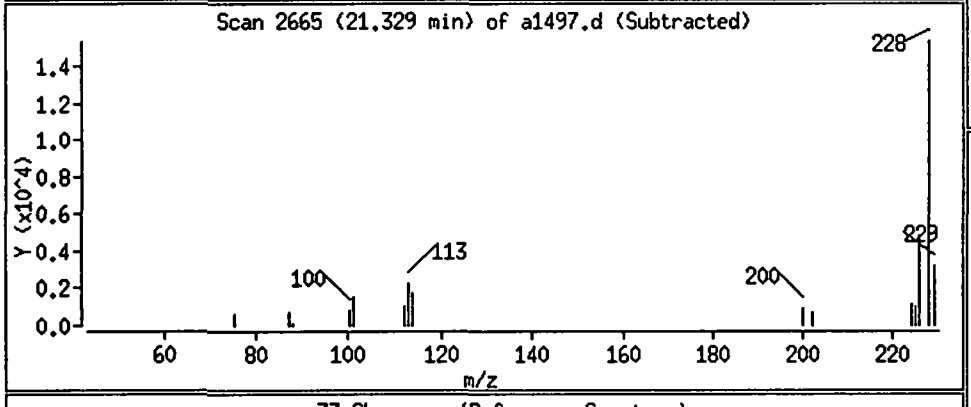
Column diameter: 0.25

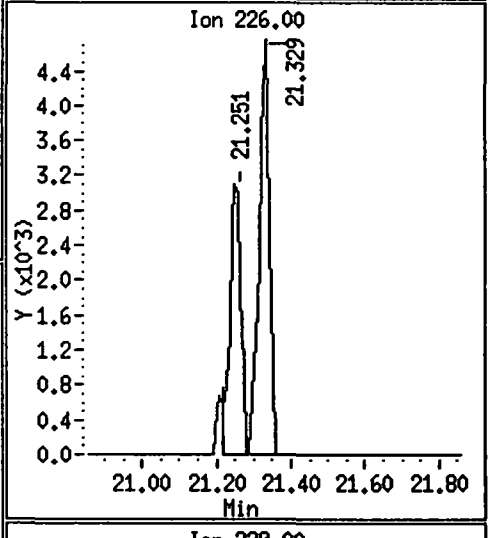
73 Chrysene

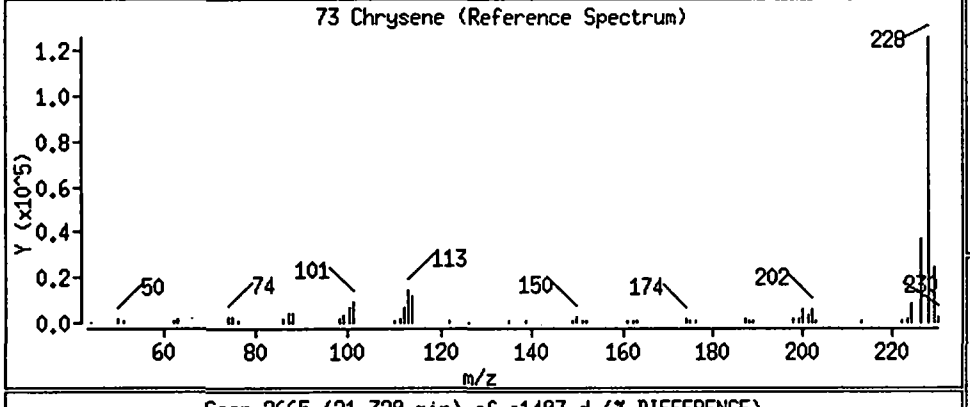
OK ARA

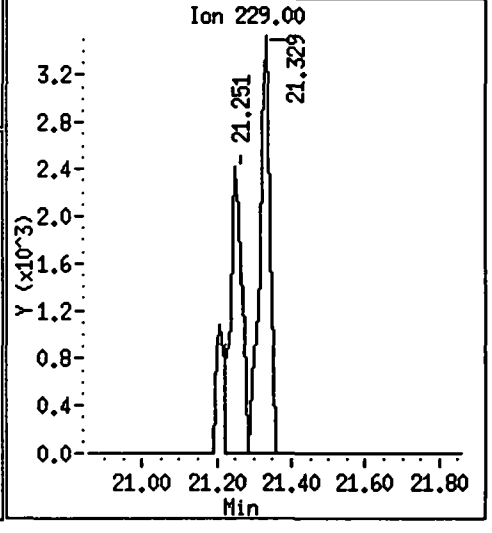


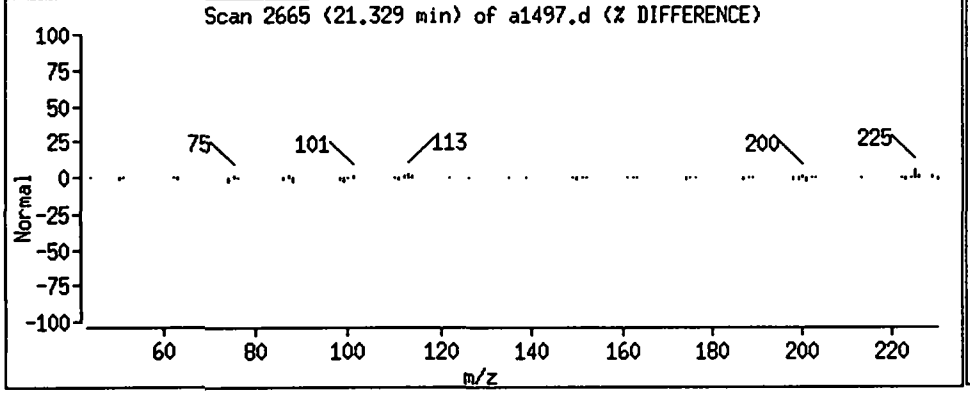












Data File: /wplcsdisk2/hp72a.i/090794.b/a1497.d

Date : 07-SEP-1994 20:23

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-2/0826-48

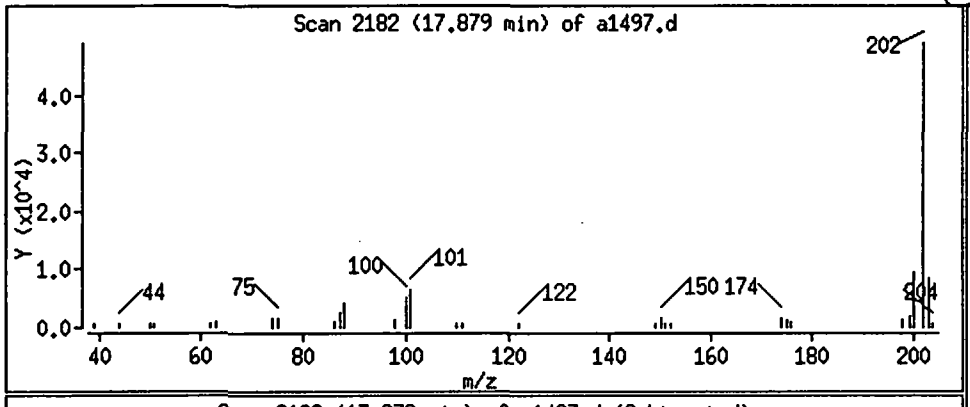
Volume Injected (uL): 1.0

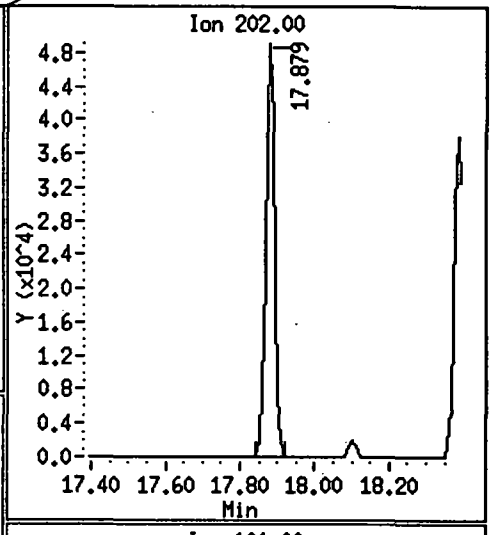
Operator:

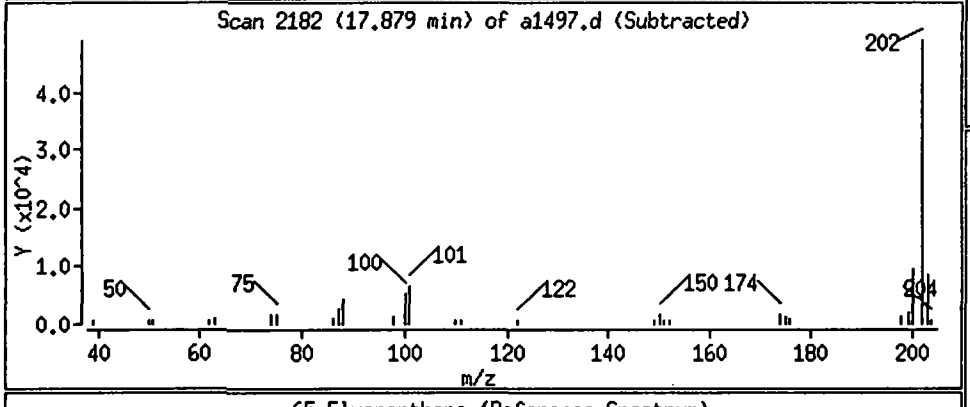
Column phase: hp-5MS

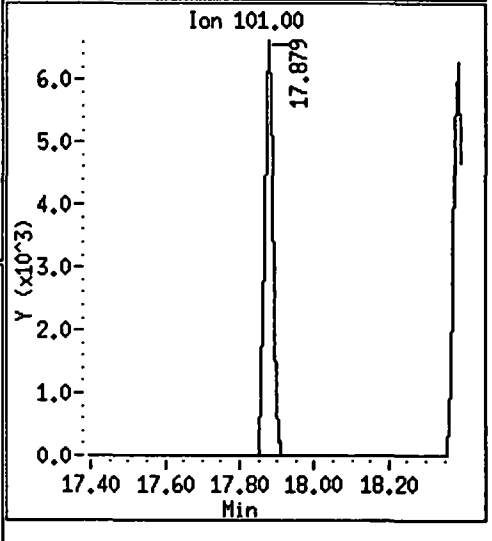
Column diameter: 0.25

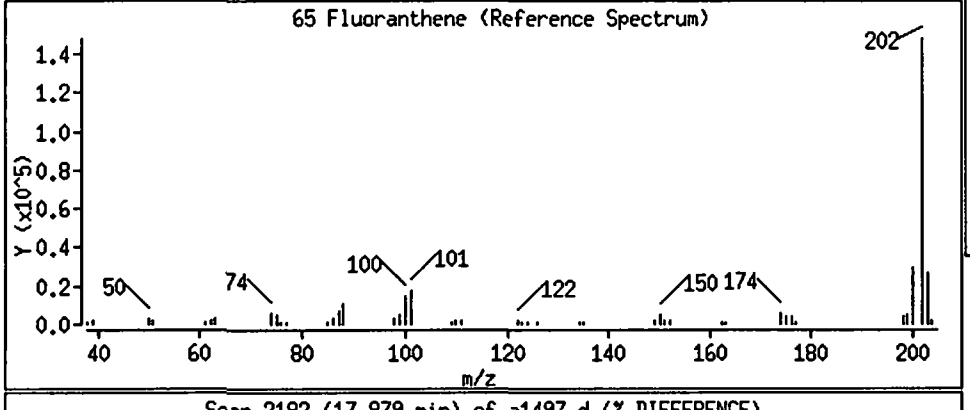
65 Fluoranthene

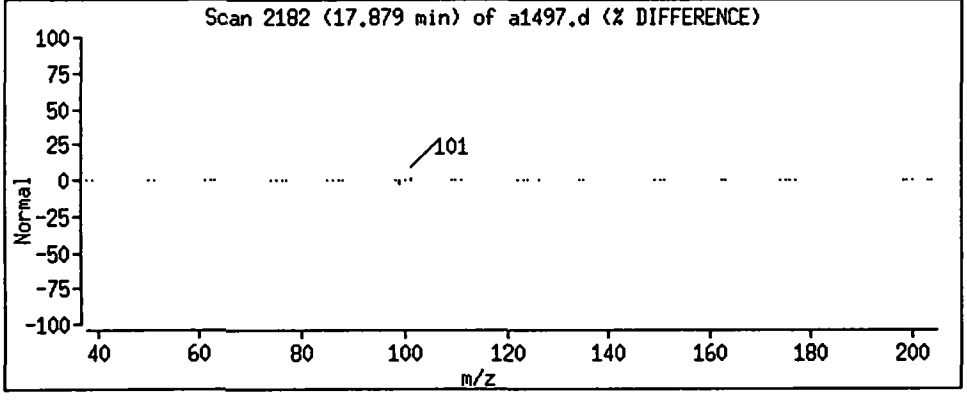












Data File: /wplcsdisk2/hp72a.i/090794.b/a1497.d

Date : 07-SEP-1994 20:23

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-2/0826-48

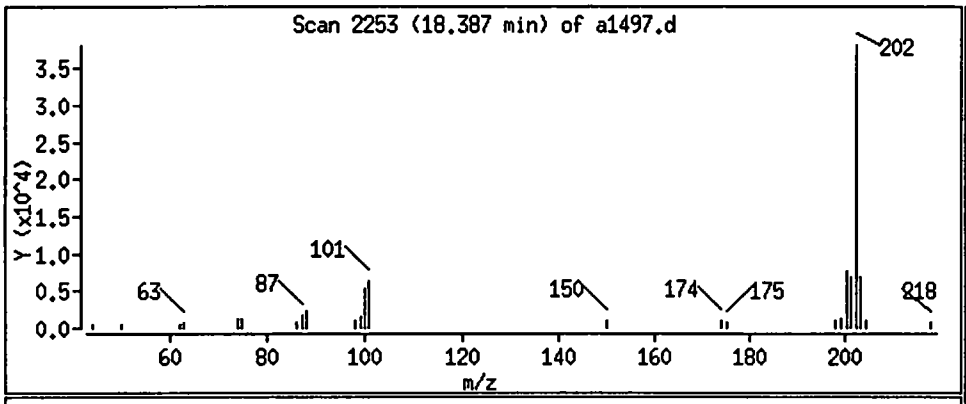
Volume Injected (uL): 1.0

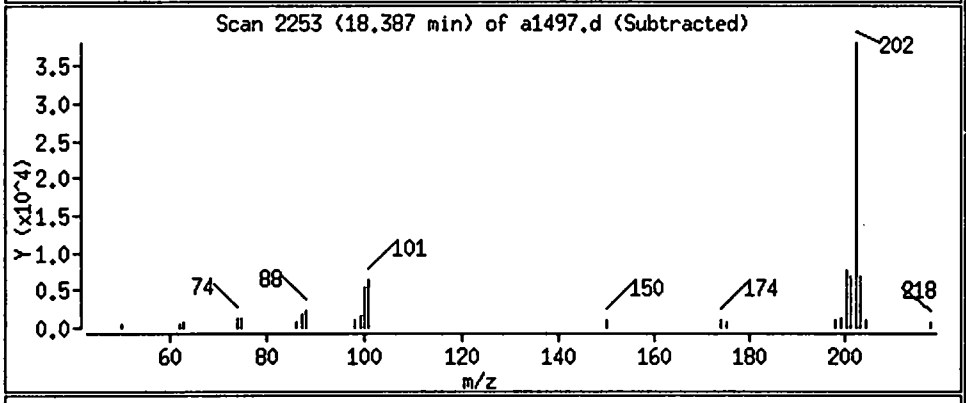
Operator:

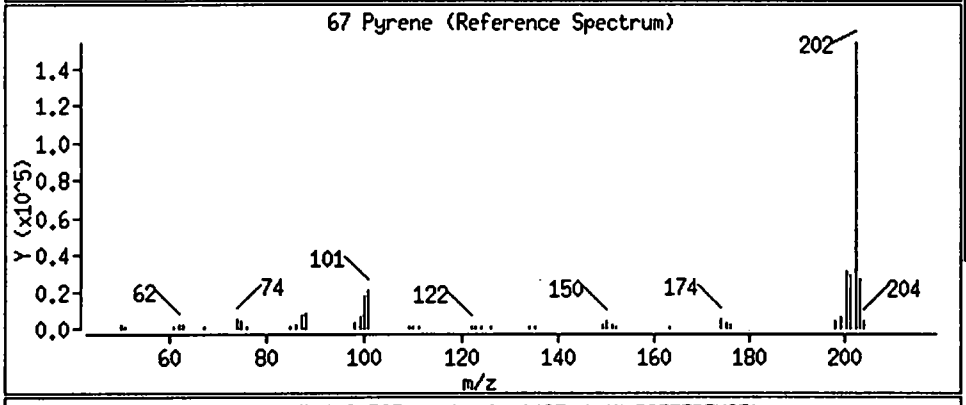
Column phase: hp-5MS

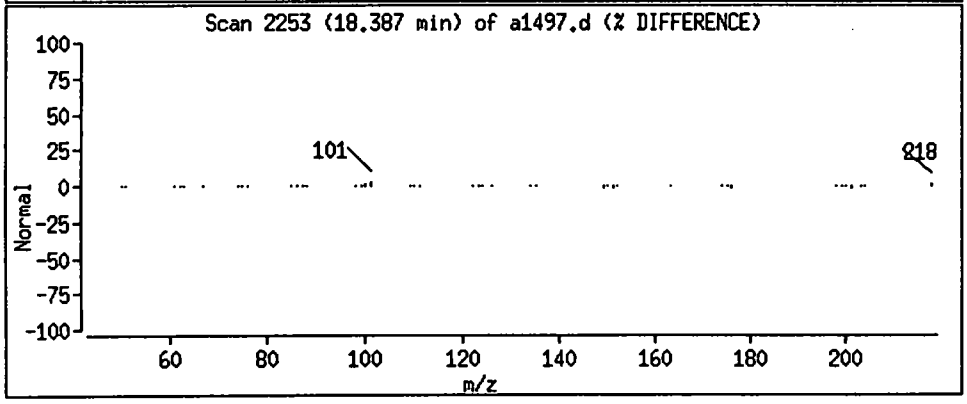
Column diameter: 0.25

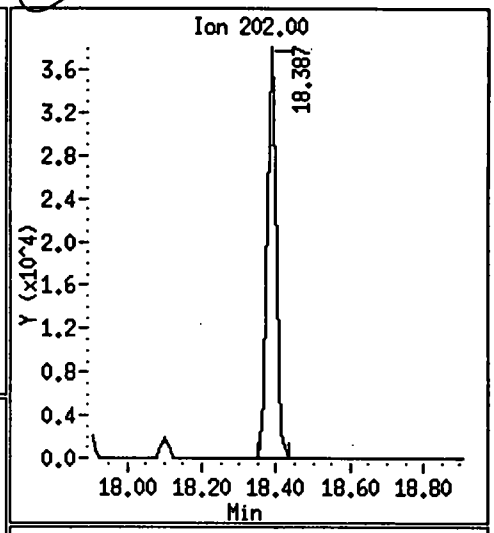
67 Pyrene

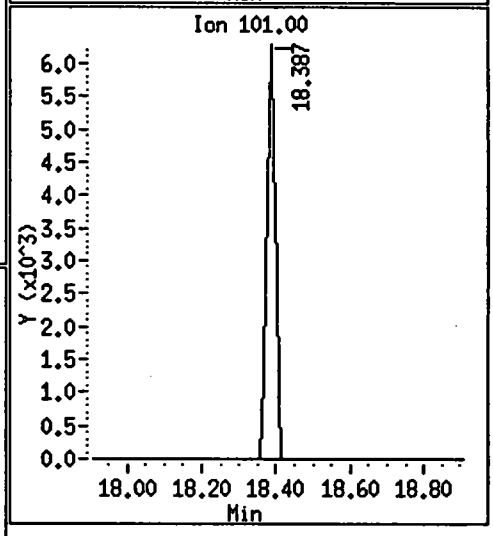












Data File: /wplcsdisk2/hp72a.i/090794.b/a1497.d

Date : 07-SEP-1994 20:23

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-2/0826-48

Volume Injected (uL): 1.0

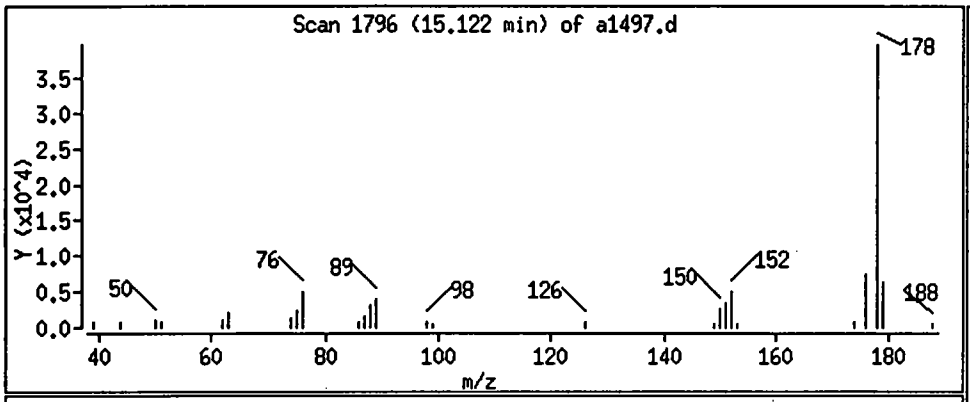
Operator:

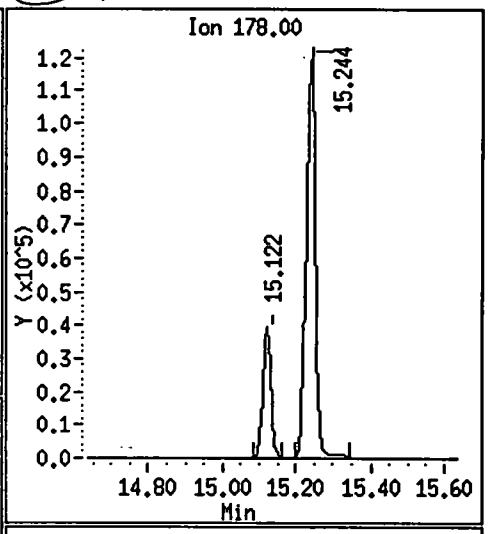
Column phase: hp-5MS

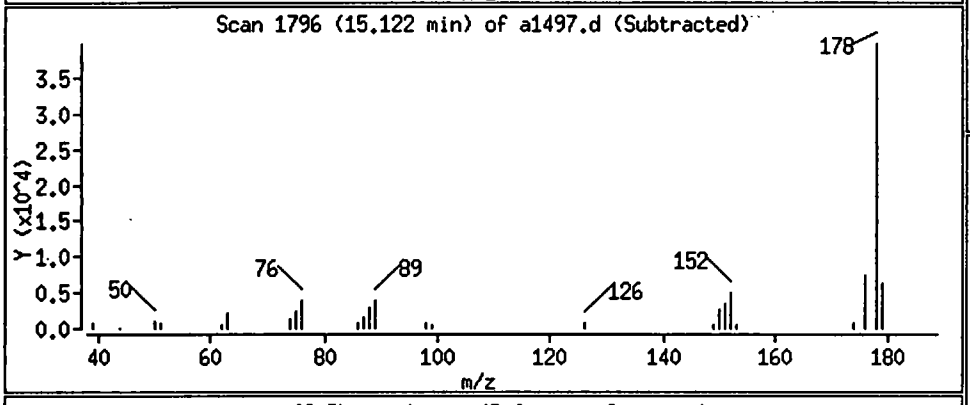
Column diameter: 0.25

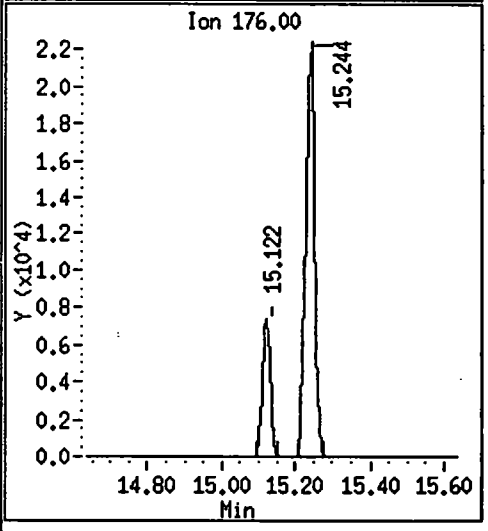
62 Phenanthrene

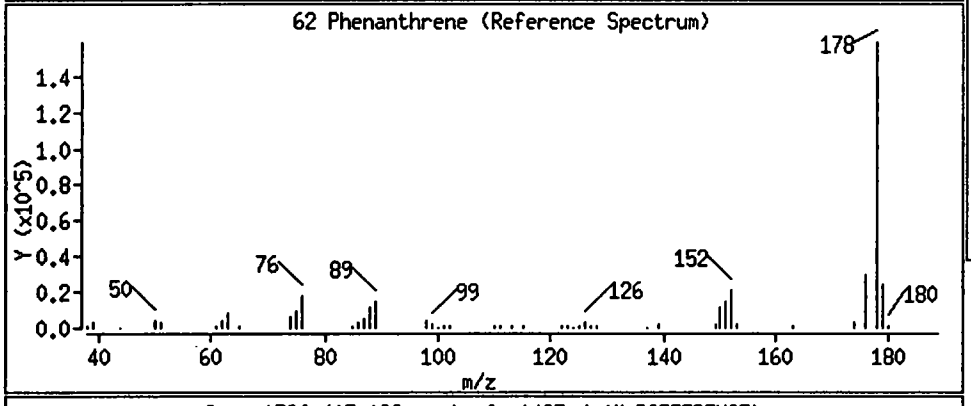
OK #212

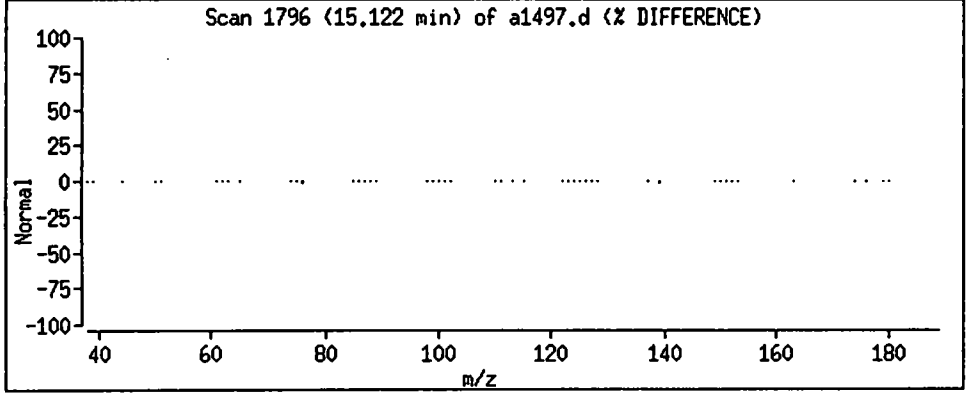












Data File: /wplcsdisk2/hp72a.i/090794.b/a1498.d

Date : 07-SEP-1994 21:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-2/0826-49

Volume Injected (uL): 1.0

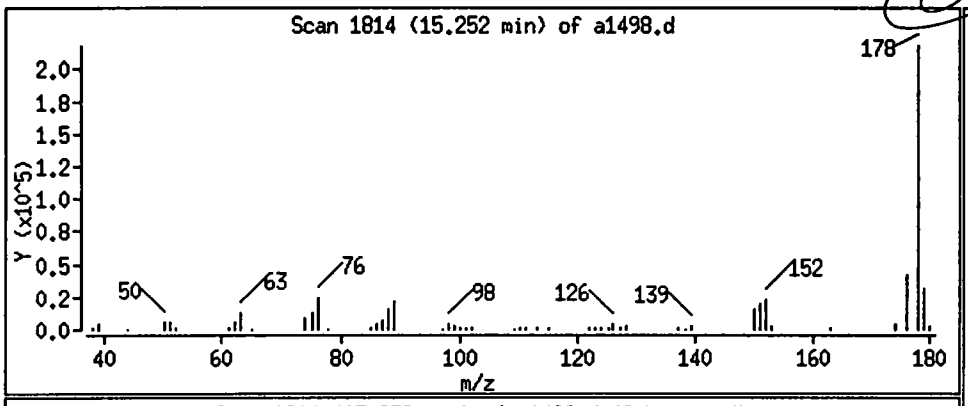
Operator:

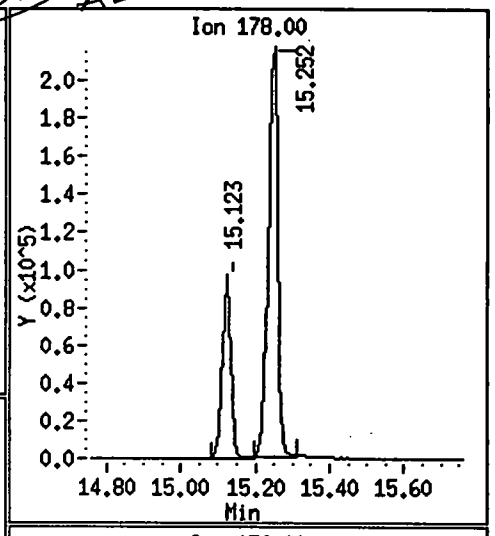
Column phase: hp-5MS

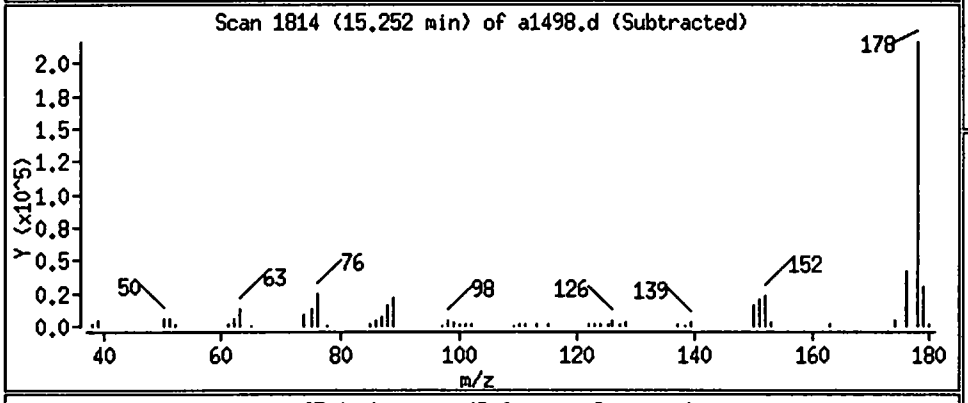
Column diameter: 0.25

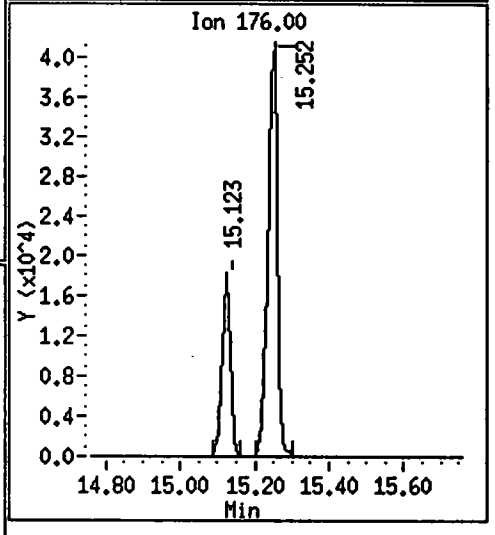
63 Anthracene

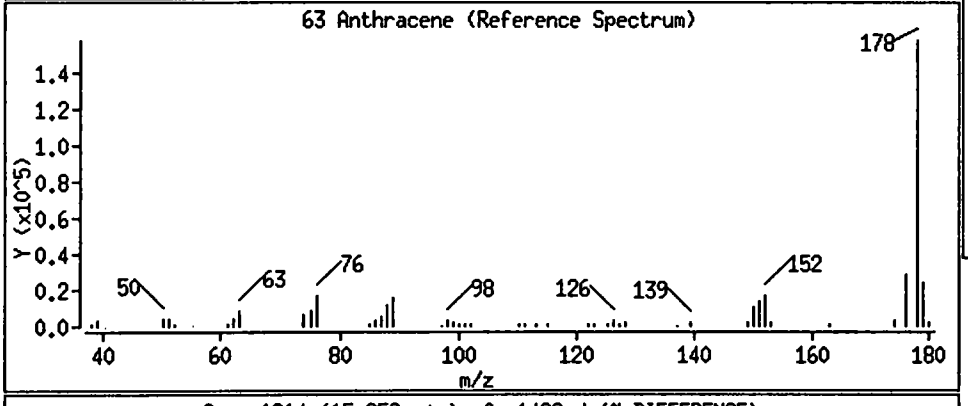
OK ARP

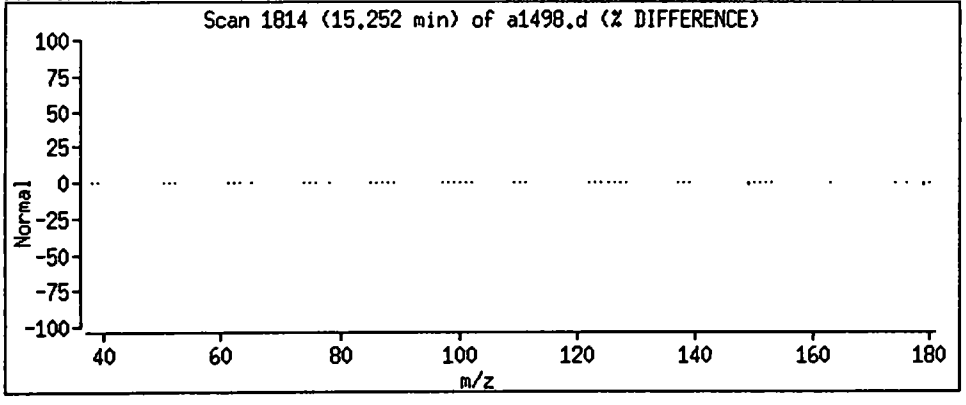












Data File: /wplcsdisk2/hp72a.i/090794.b/a1498.d

Date : 07-SEP-1994 21:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-2/0826-49

Volume Injected (uL): 1.0

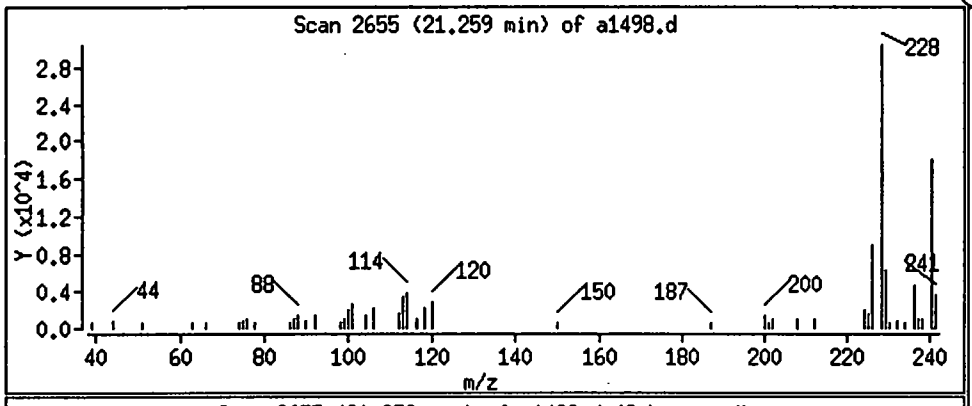
Operator:

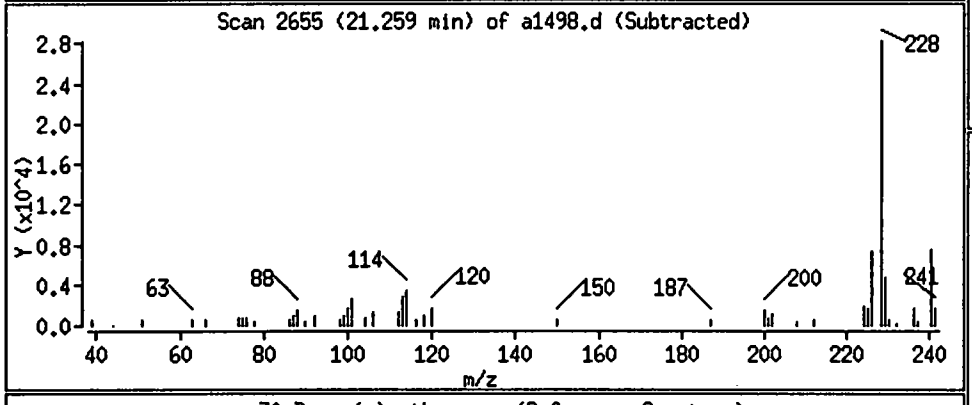
Column phase: hp-5MS

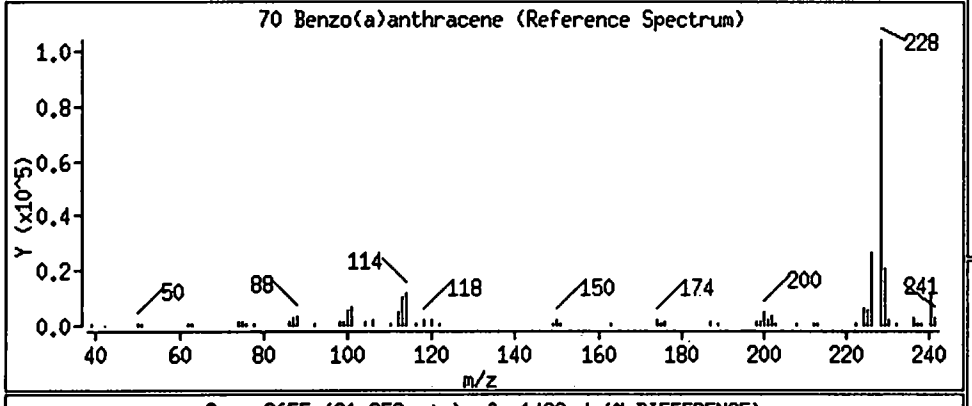
Column diameter: 0.25

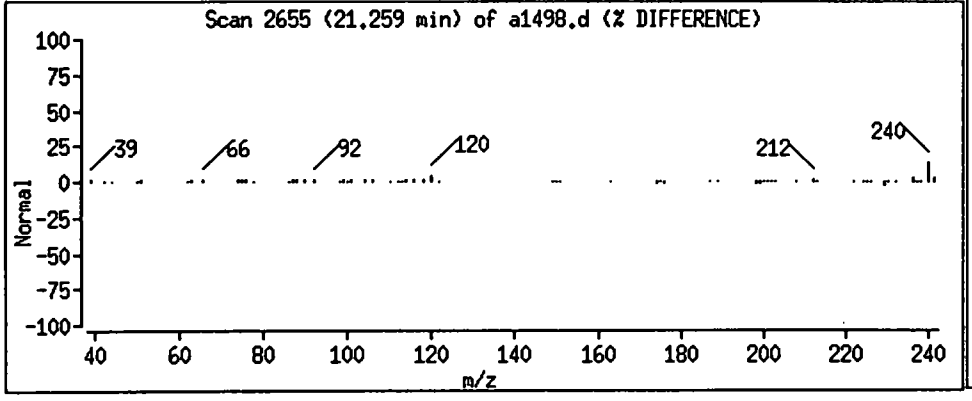
OK ARR

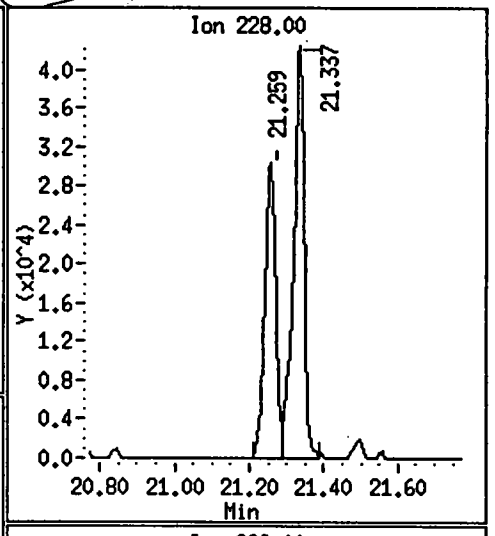
70 Benzo(a)anthracene

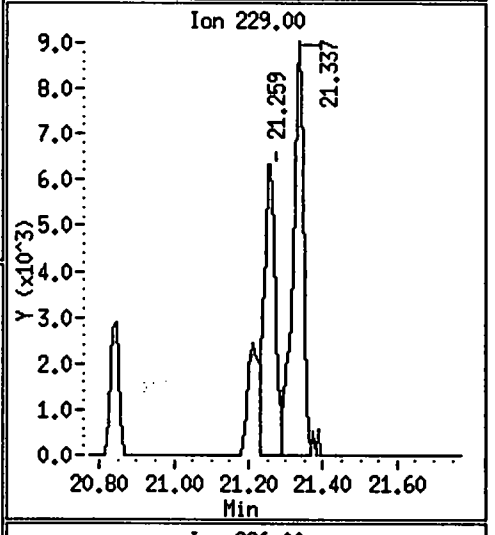


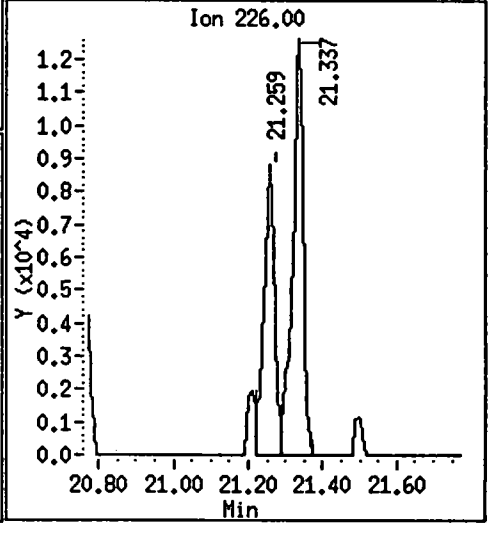












Data File: /wplcsdisk2/hp72a.i/090794.b/a1498.d

Date : 07-SEP-1994 21:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-2/0826-49

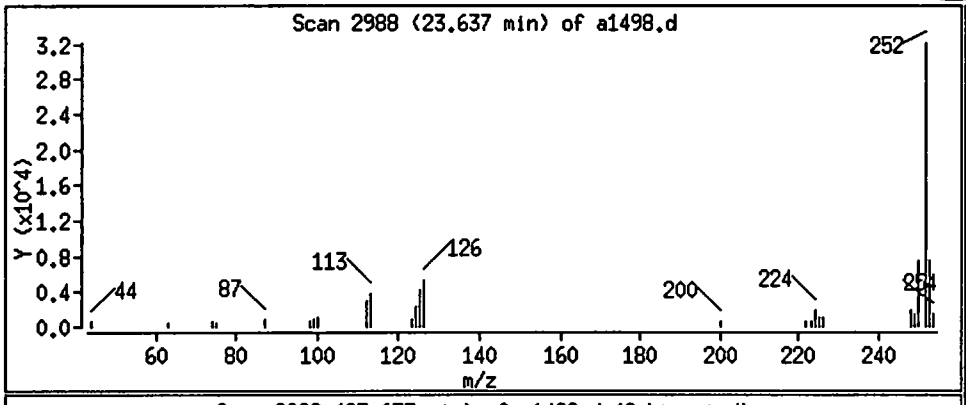
Volume Injected (uL): 1.0

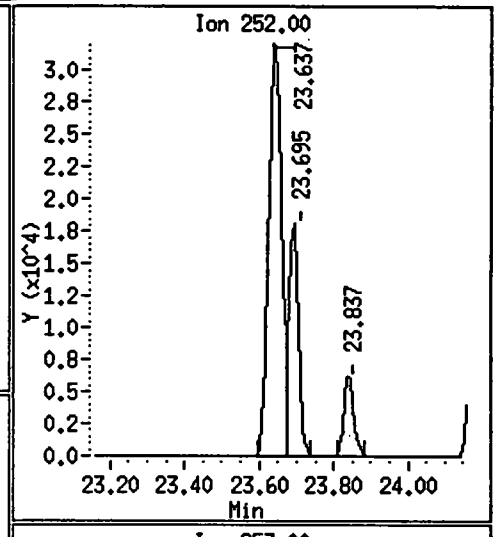
Operator:

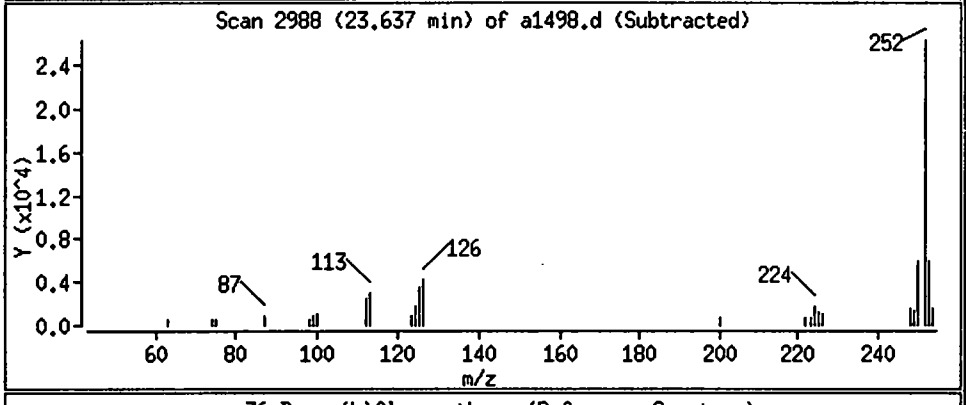
Column phase: hp-5MS

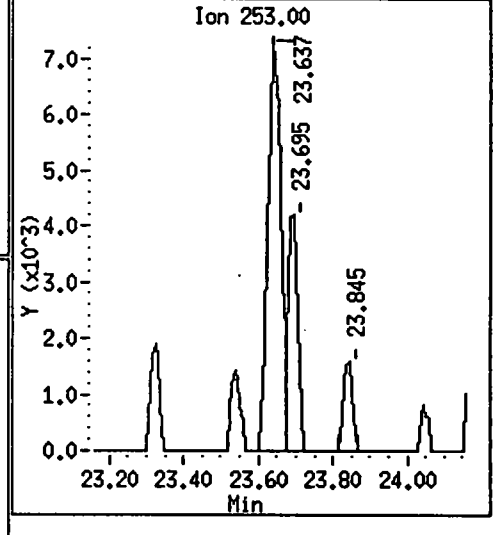
Column diameter: 0.25

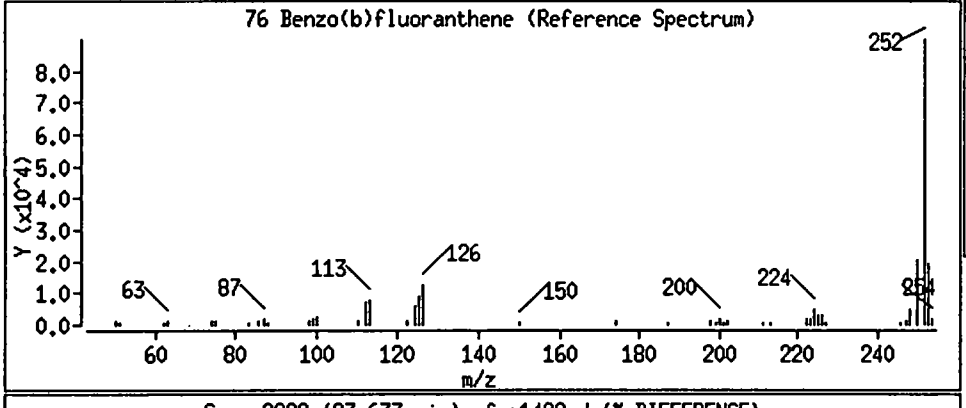
76 Benzo(b)fluoranthene

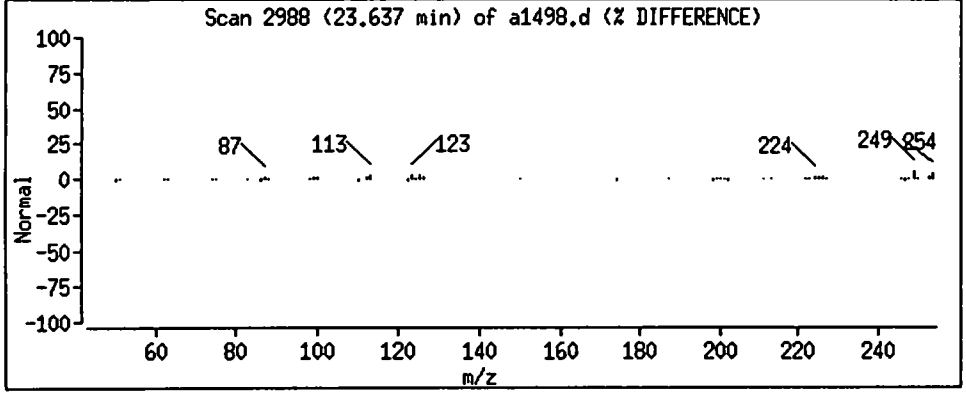












Data File: /wplcsdisk2/hp72a.i/090794.b/a1498.d

Date : 07-SEP-1994 21:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-2/0826-49

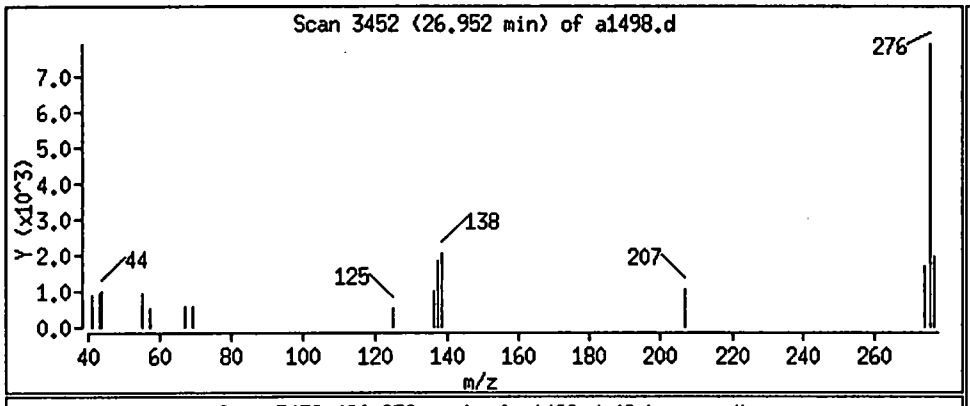
Volume Injected (uL): 1.0

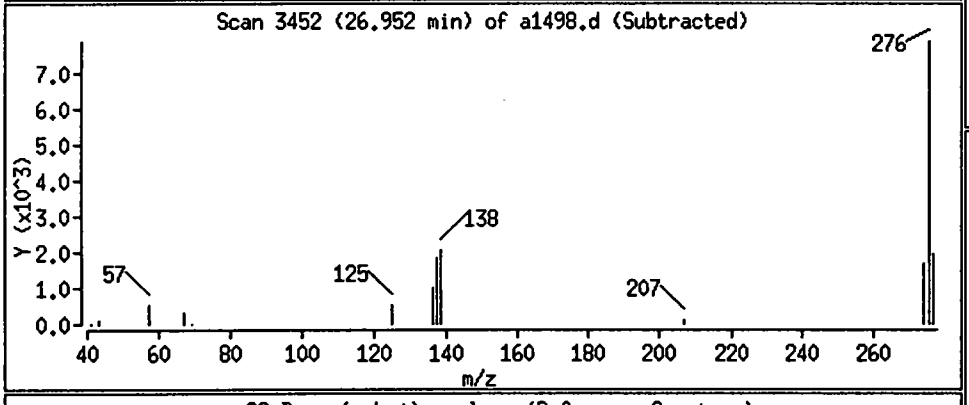
Operator:

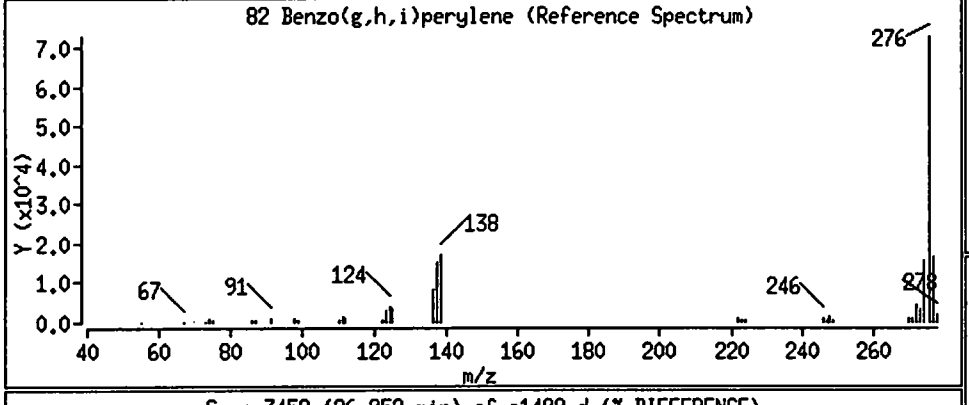
Column phase: hp-5MS

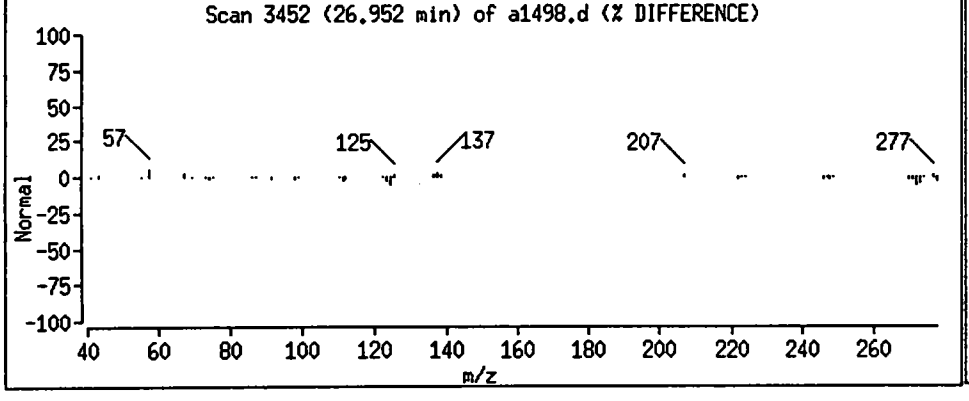
Column diameter: 0.25

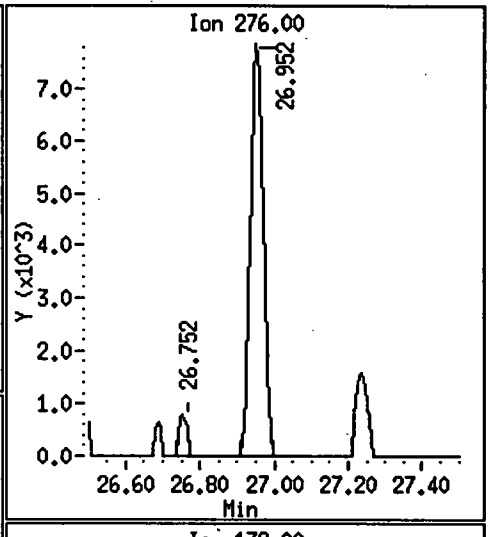
82 Benzo(g,h,i)perylene

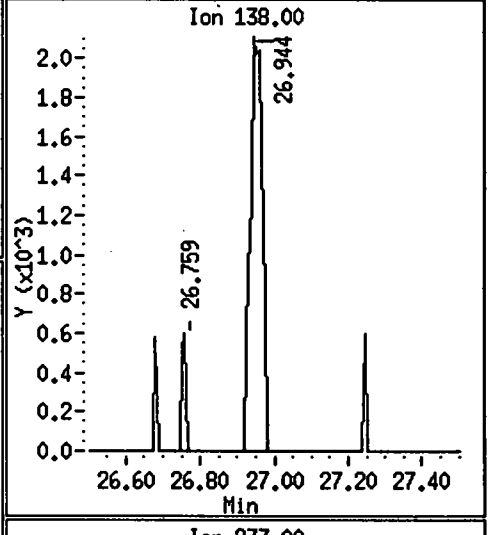


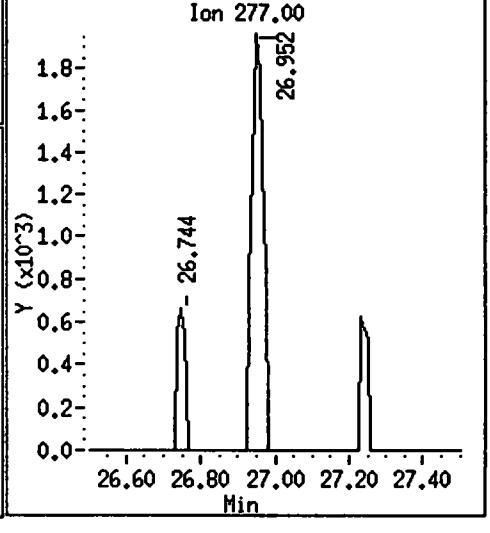












Data File: /wplcsdisk2/hp72a.i/090794.b/a1498.d

Date : 07-SEP-1994 21:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-2/0826-49

Volume Injected (uL): 1.0

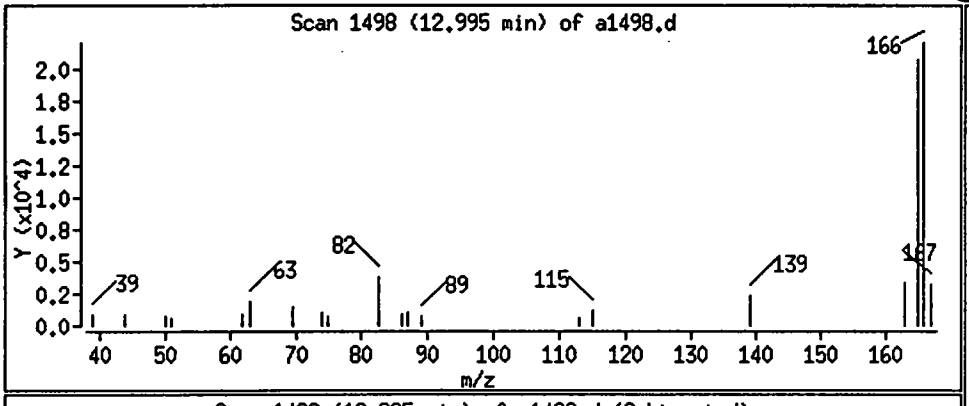
Operator:

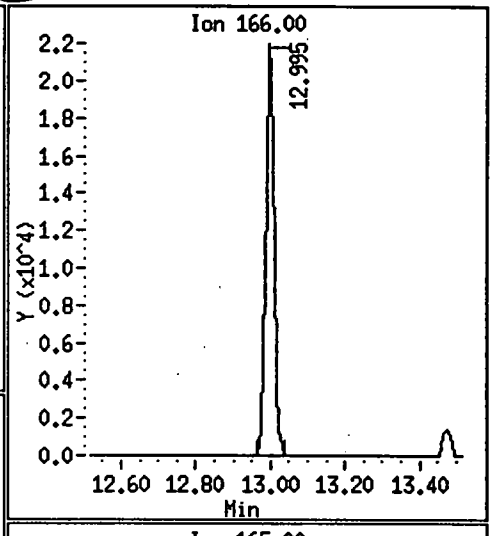
Column phase: hp-5MS

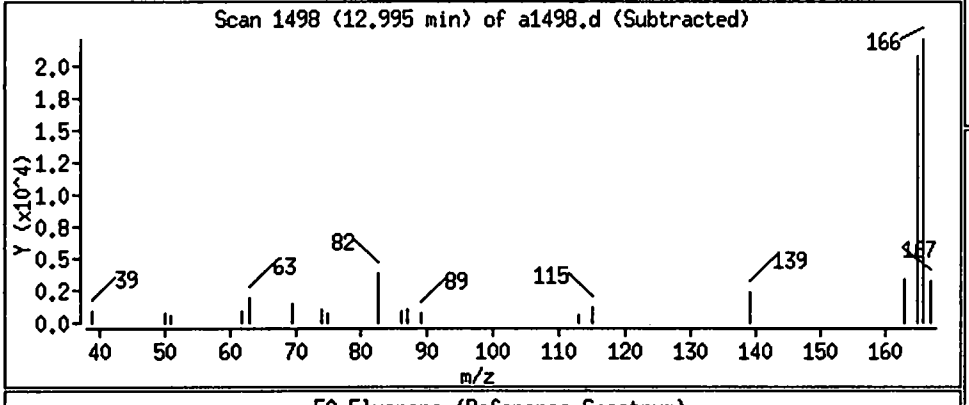
Column diameter: 0.25

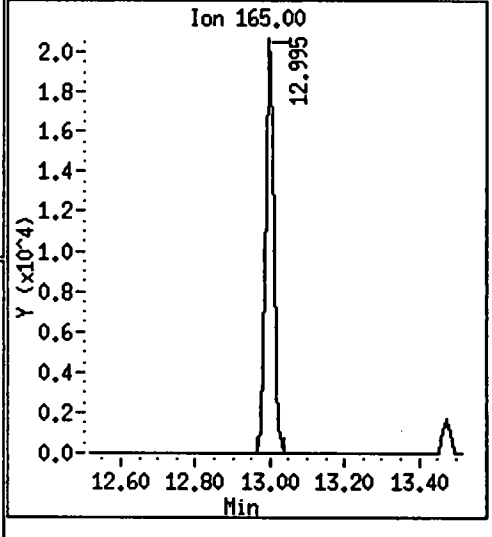
OK APR

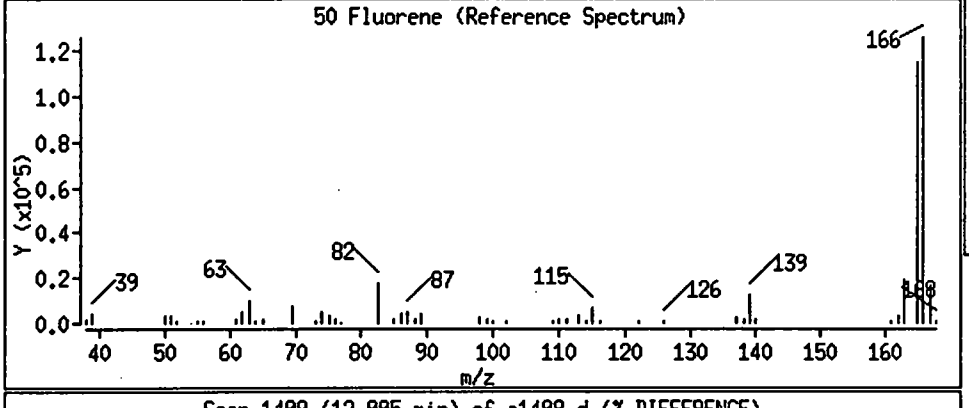
50 Fluorene

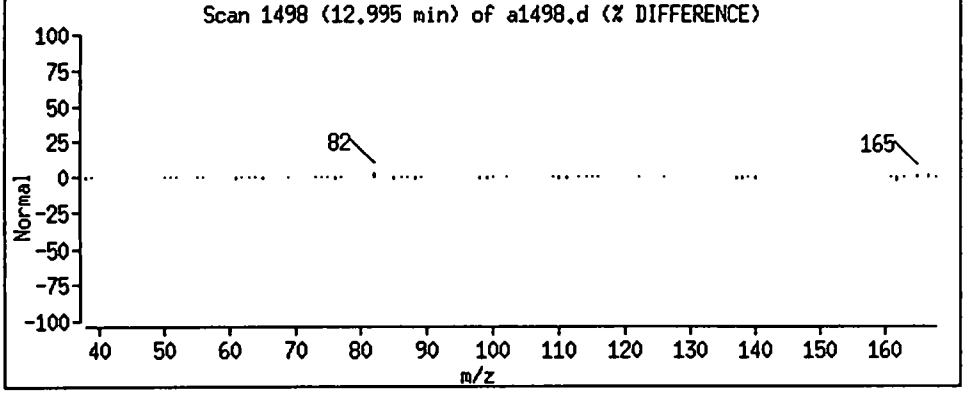












Data File: /wplcsdisk2/hp72a.i/090794.b/a1498.d

Date : 07-SEP-1994 21:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-2/0826-49

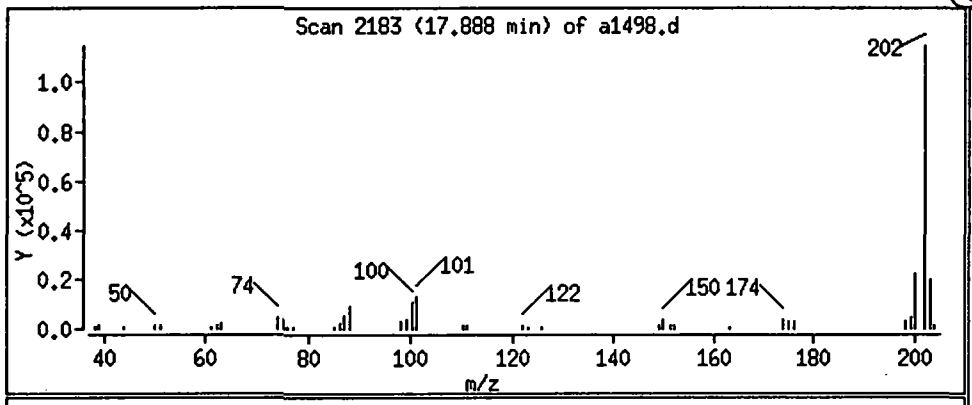
Volume Injected (uL): 1.0

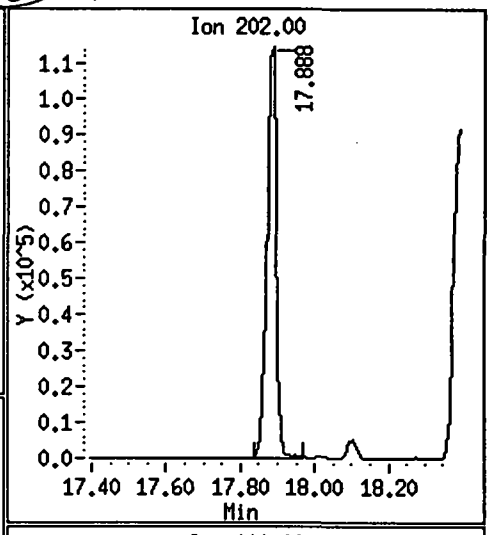
Operator:

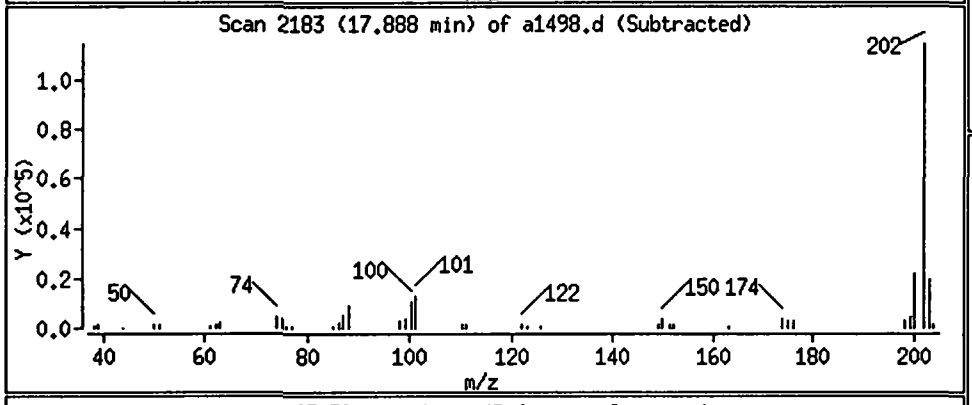
Column phase: hp-5MS

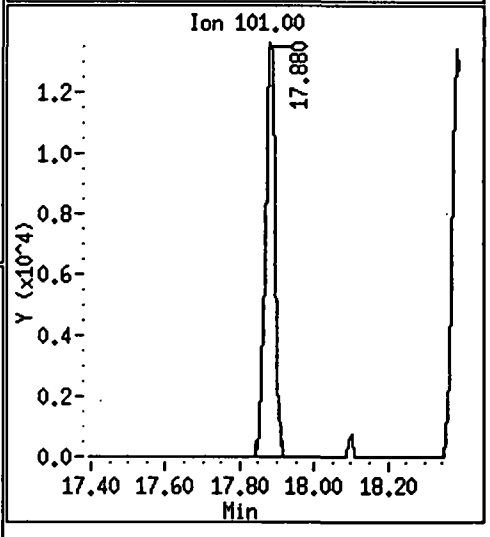
Column diameter: 0.25

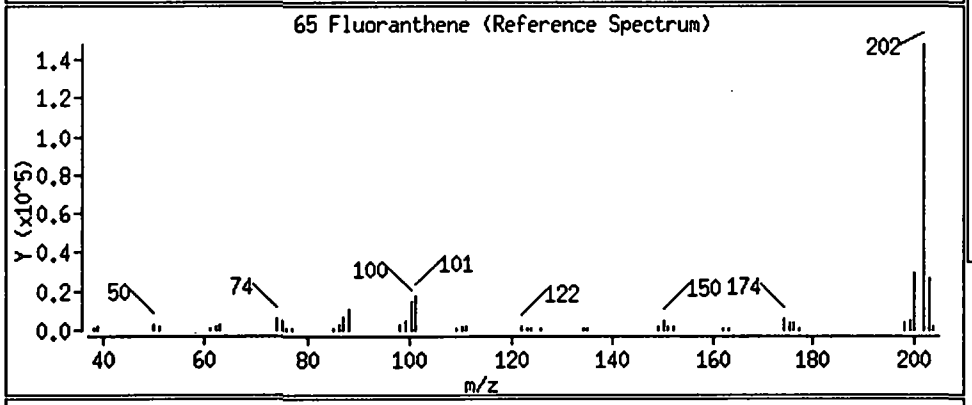
65 Fluoranthene

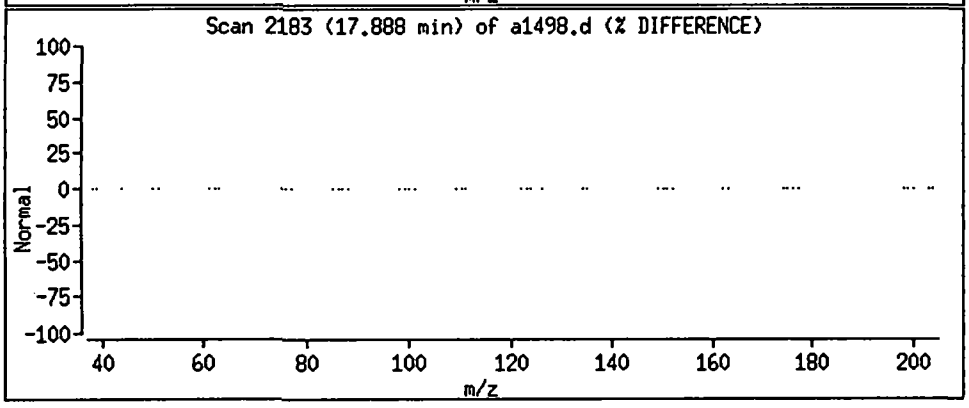












Data File: /wplcsdisk2/hp72a.i/090794.b/a1498.d

Date : 07-SEP-1994 21:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-2/0826-49

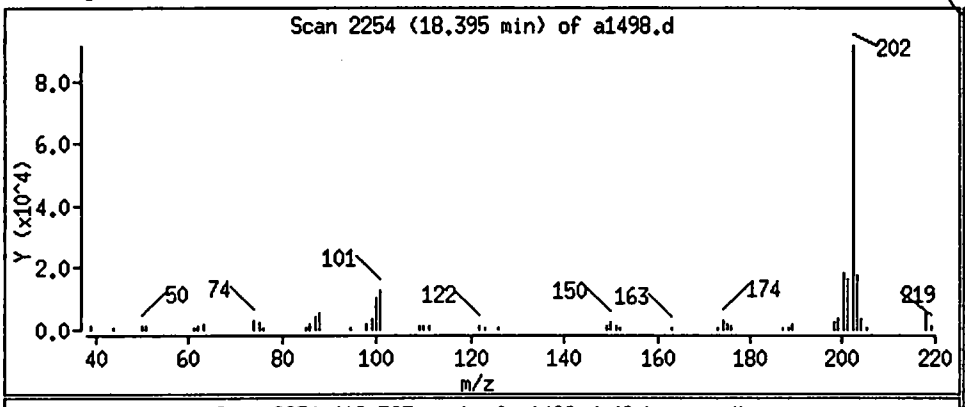
Volume Injected (uL): 1.0

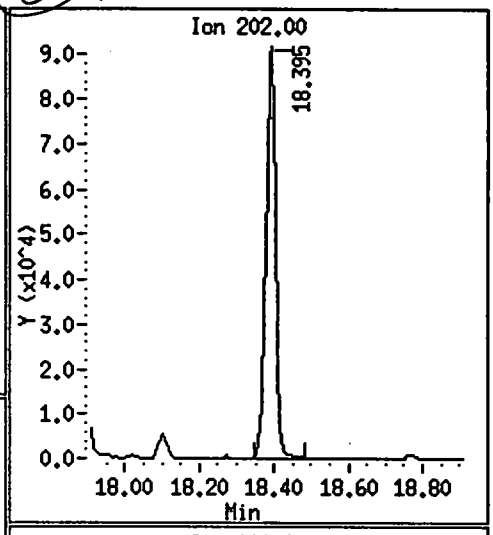
Operator:

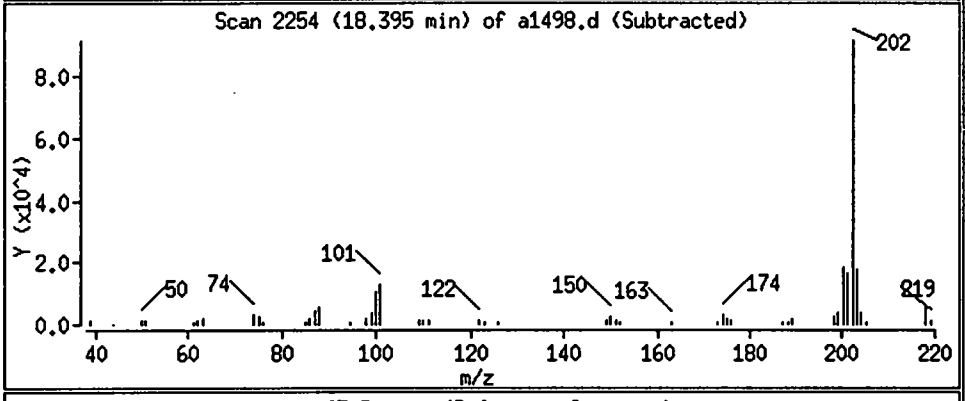
Column phase: hp-5MS

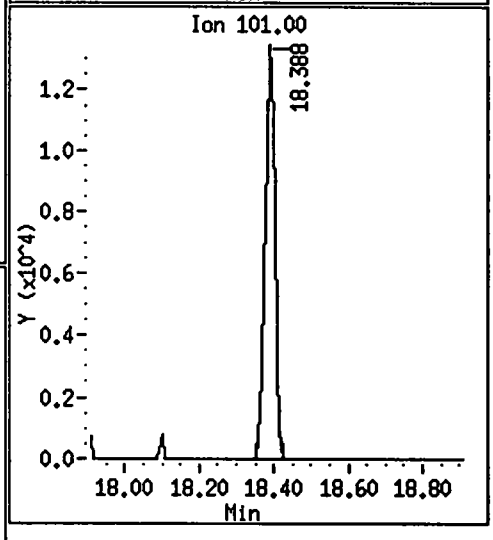
Column diameter: 0.25

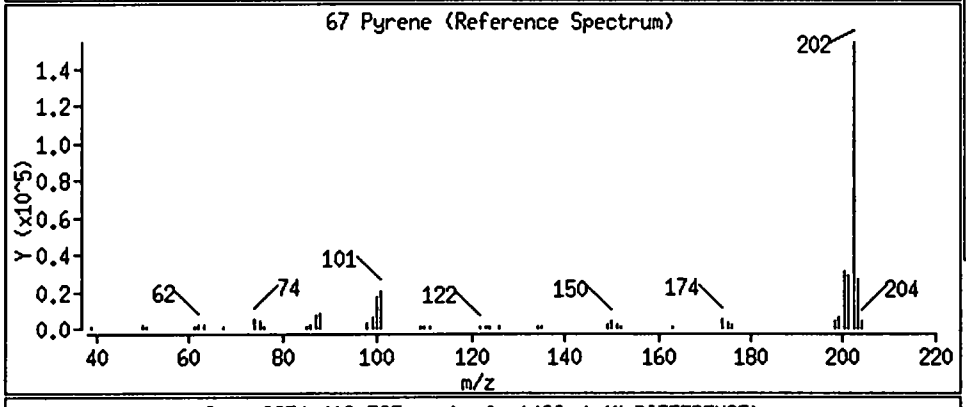
67 Pyrene

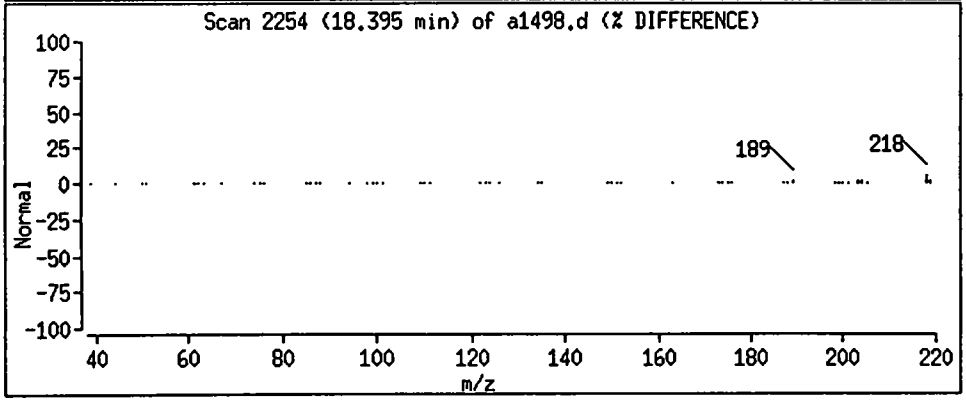












Data File: /uplcsdisk2/hp72a.i/090794.b/a1498.d

Date : 07-SEP-1994 21:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-2/0826-49

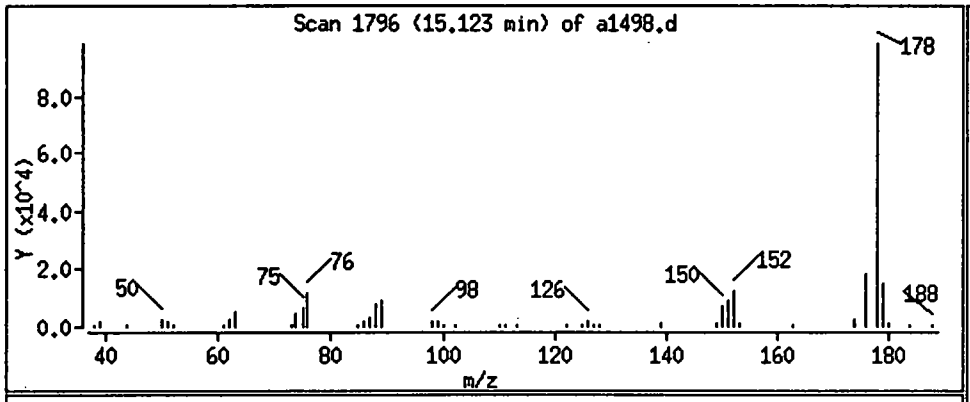
Volume Injected (uL): 1.0

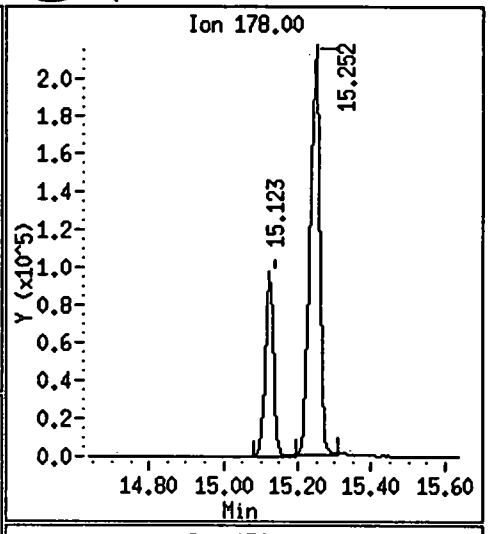
Operator:

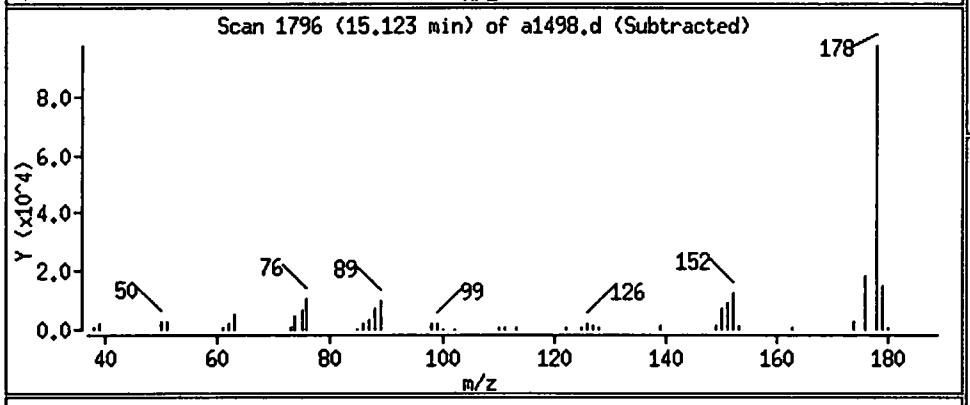
Column phase: hp-5MS

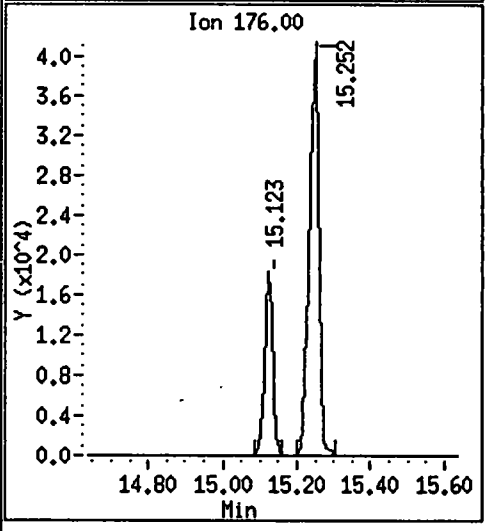
Column diameter: 0.25

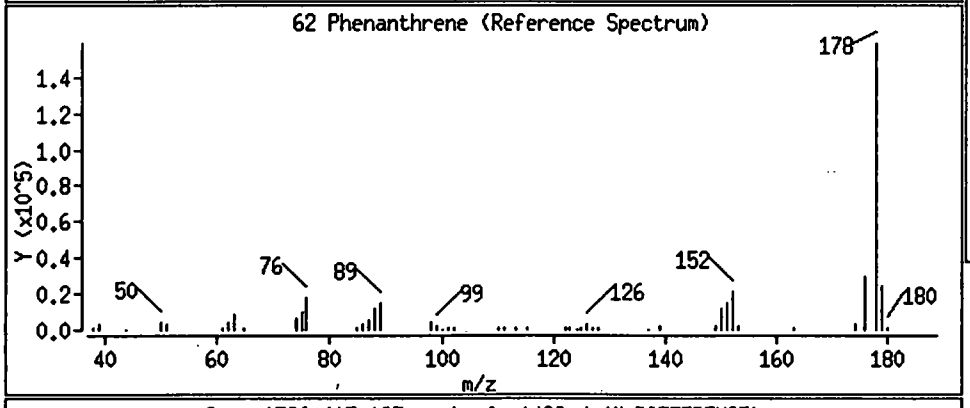
62 Phenanthrene

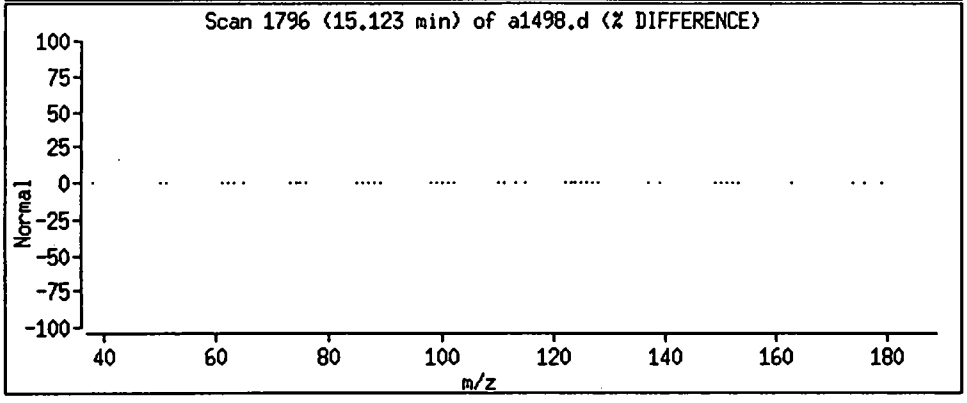












Data File: /wplcsdisk2/hp72a.i/090794.b/a1498.d

Date : 07-SEP-1994 21:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-2/0826-49

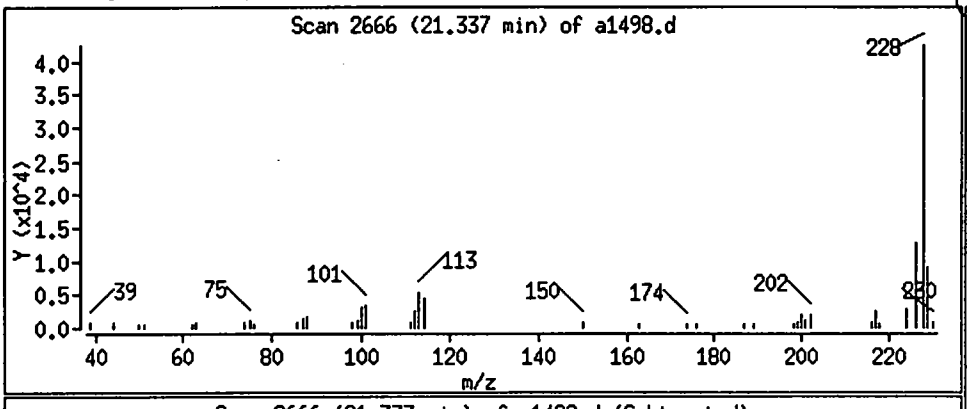
Volume Injected (uL): 1.0

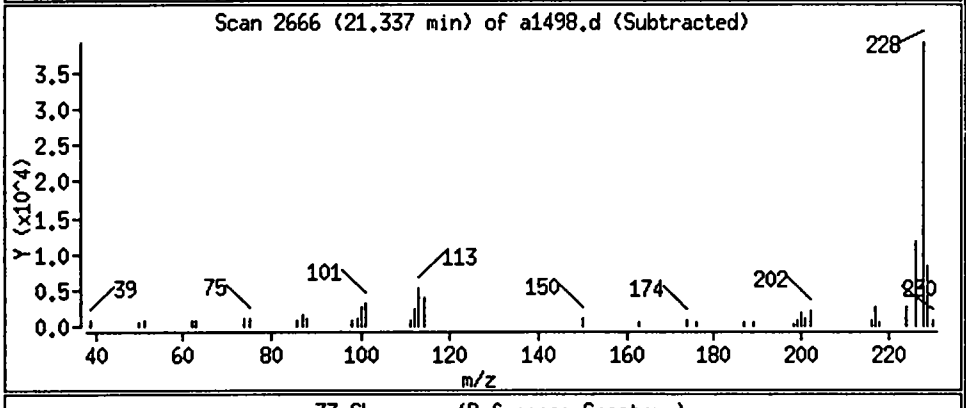
Operator:

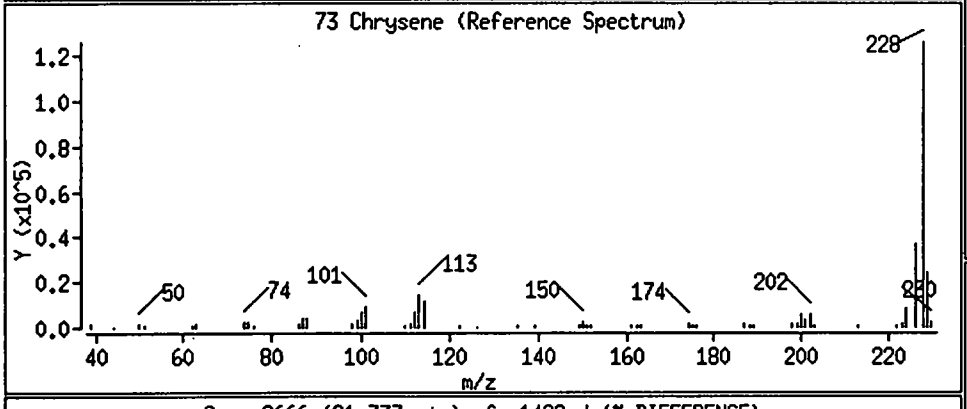
Column phase: hp-5MS

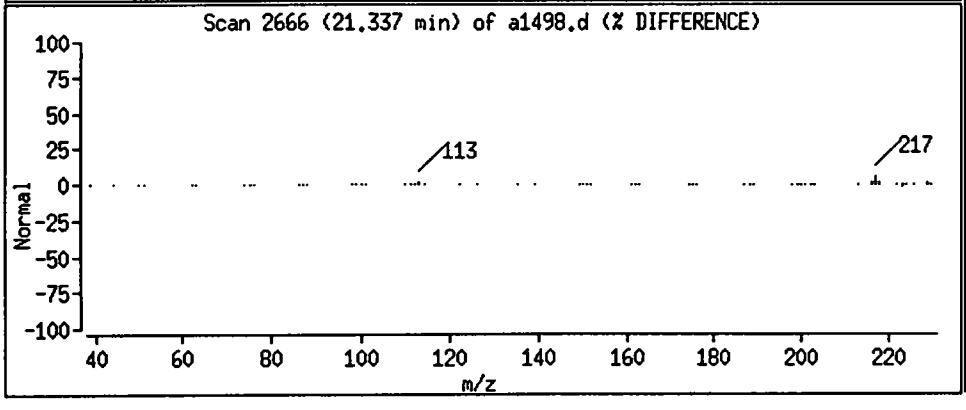
Column diameter: 0.25

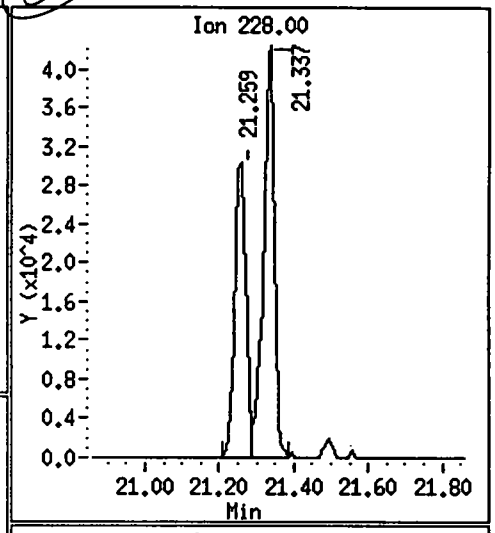
73 Chrysene

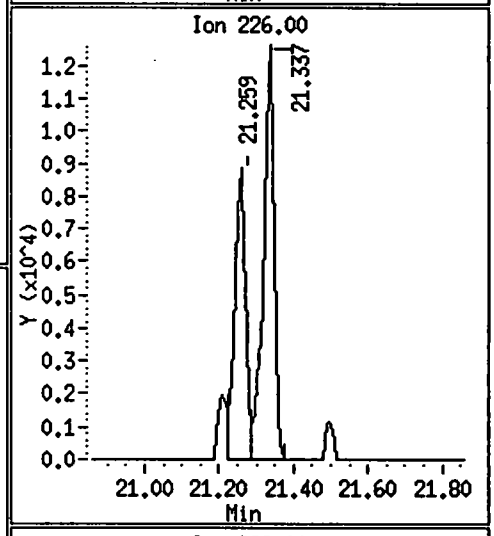


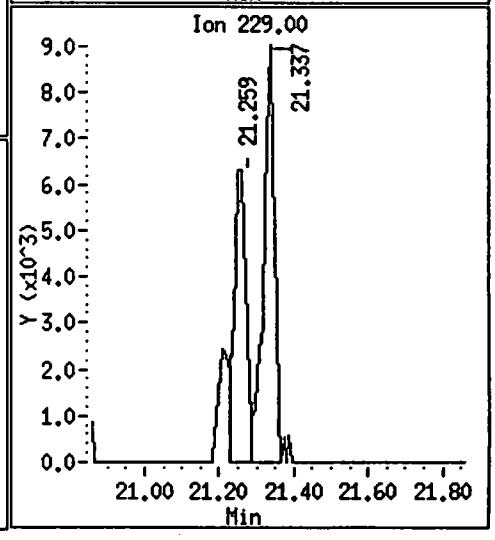












Data File: /wplcsdisk2/hp72a.i/090594.b/a1461.d

Date : 05-SEP-1994 21:14

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-50

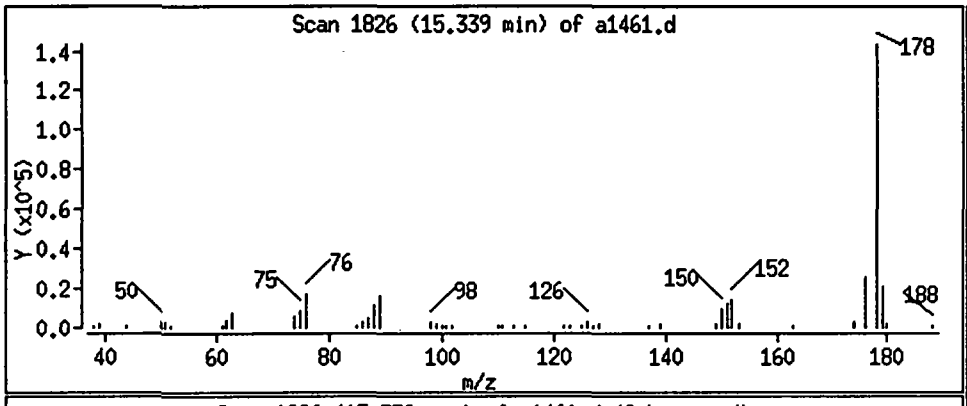
Volume Injected (uL): 1.0

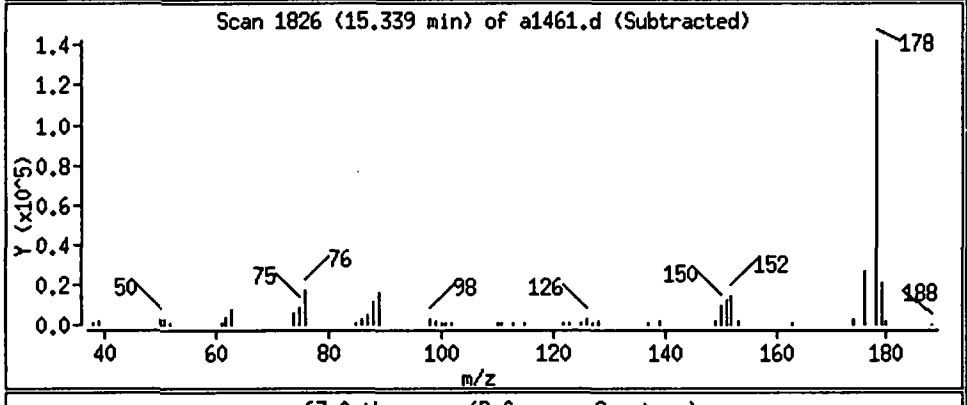
Operator:

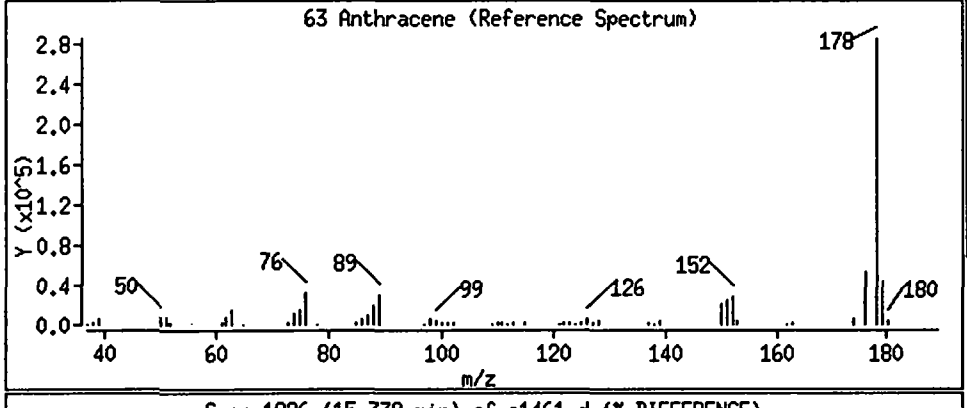
Column phase: hp-5MS

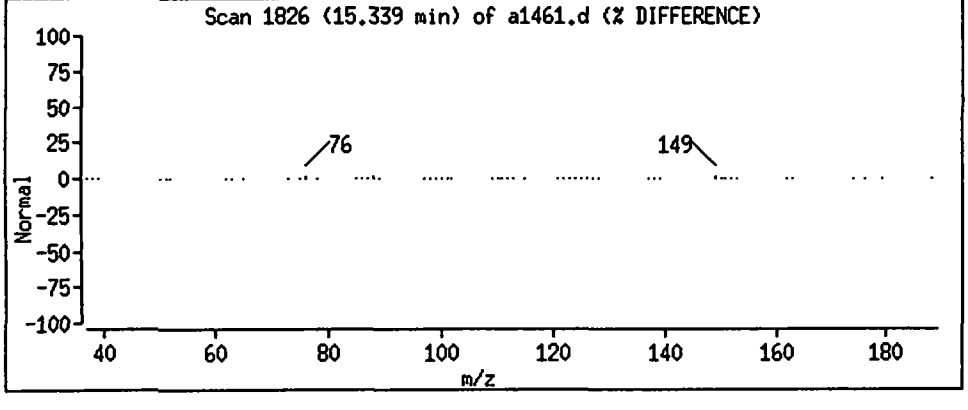
Column diameter: 0.25

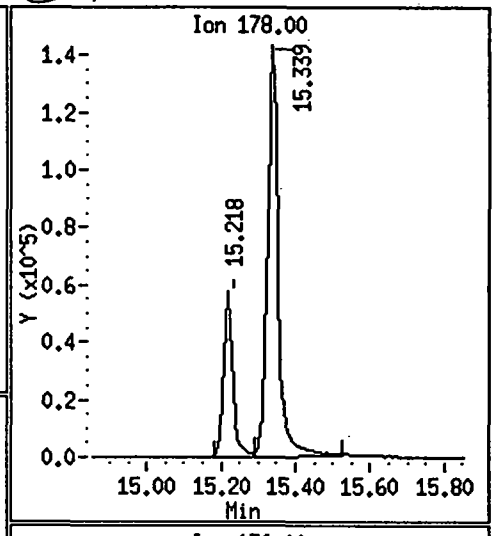
63 Anthracene

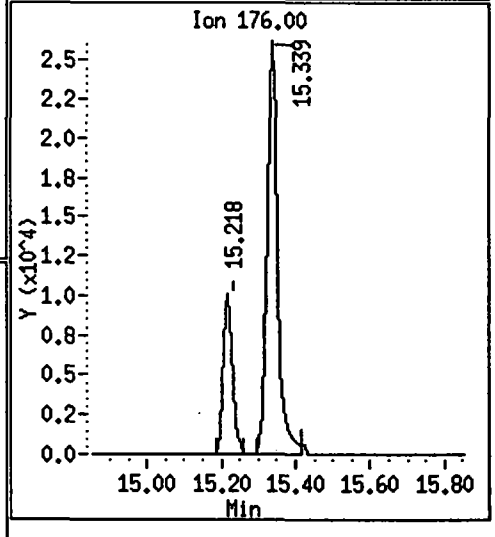












Data File: /wplcsdisk2/hp72a.i/090594.b/a1461.d

Date : 05-SEP-1994 21:14

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-50

Volume Injected (uL): 1.0

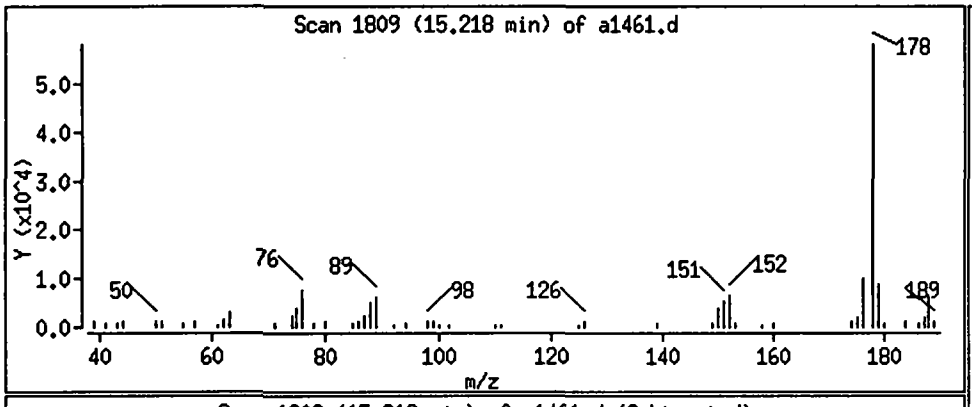
Operator:

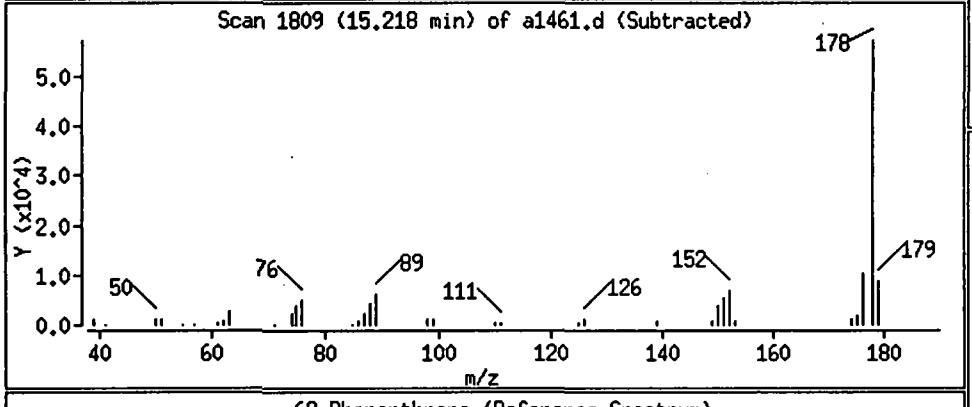
Column phase: hp-5MS

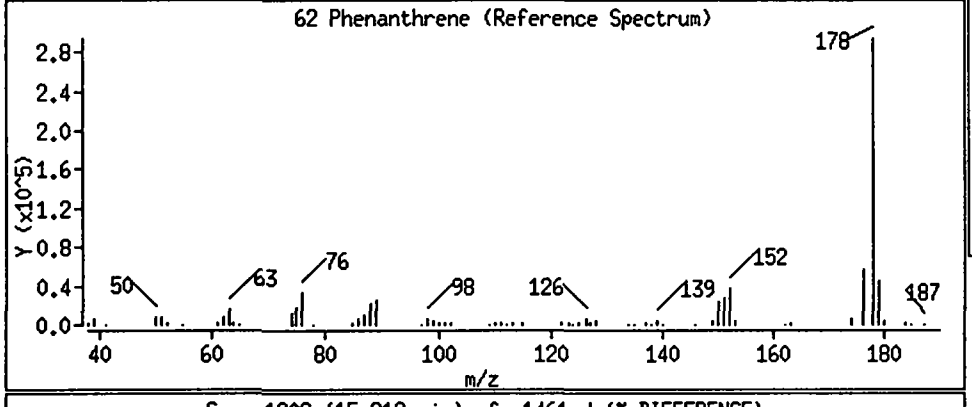
Column diameter: 0.25

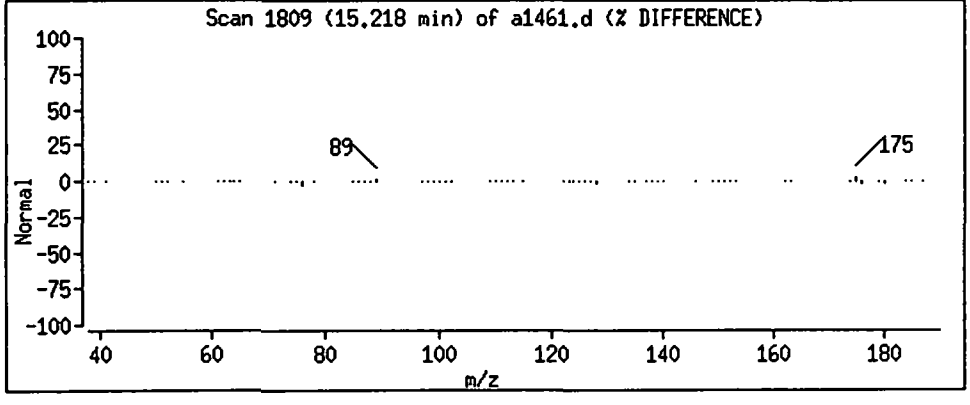
62 Phenanthrene

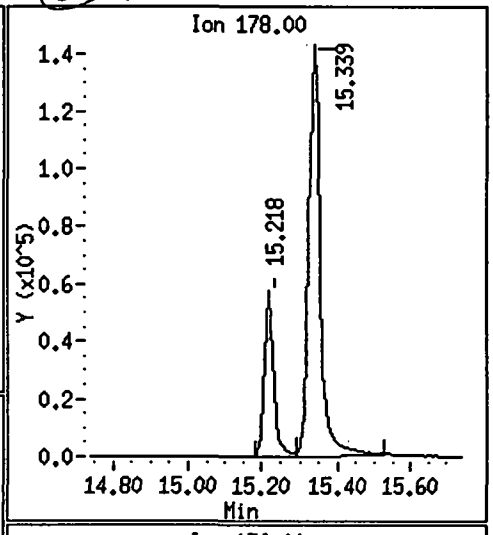
OK ARL

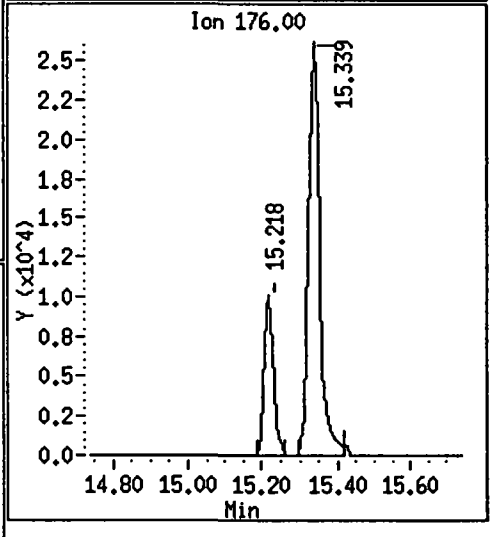












Data File: /wplcsdisk2/hp72a.i/090594.b/a1464.d

Date : 05-SEP-1994 23:05

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-53

Volume Injected (uL): 1.0

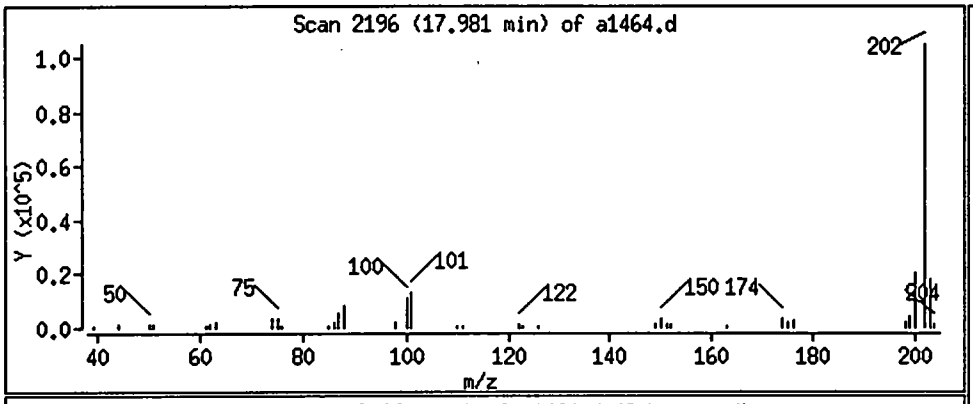
Operator:

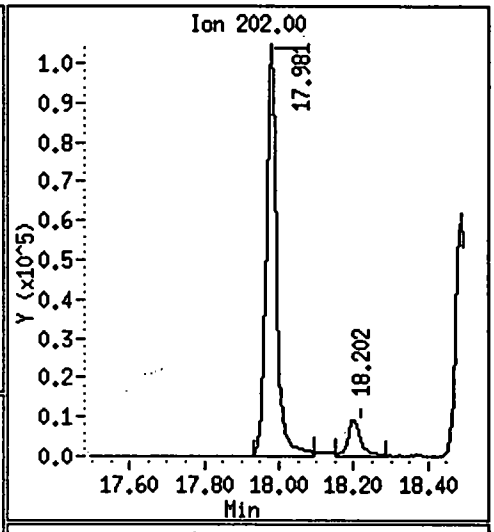
Column phase: hp-5MS

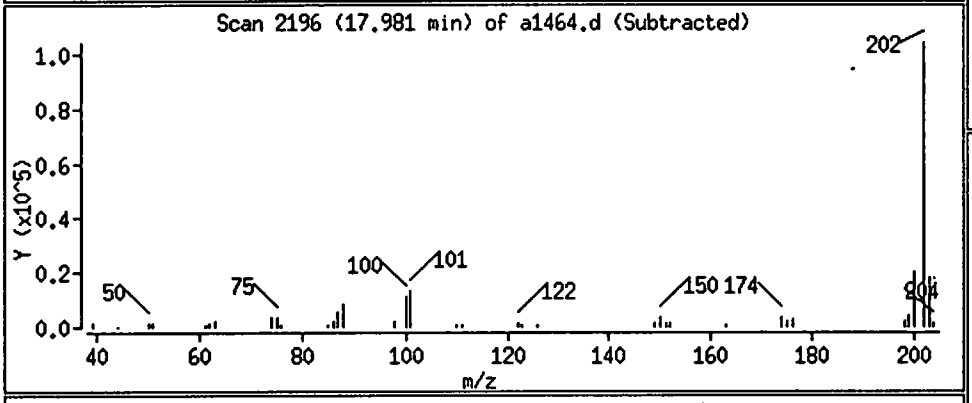
Column diameter: 0.25

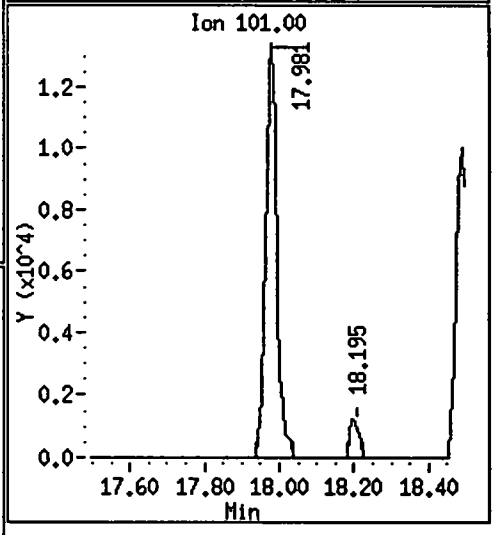
OK ARR

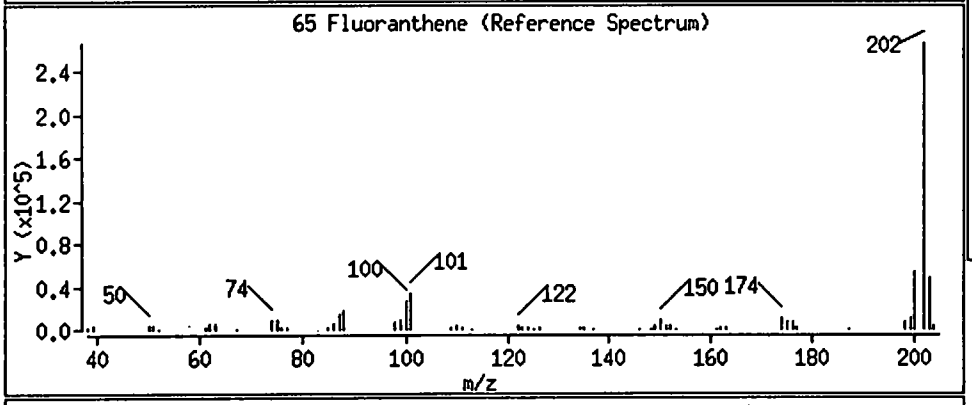
65 Fluoranthene

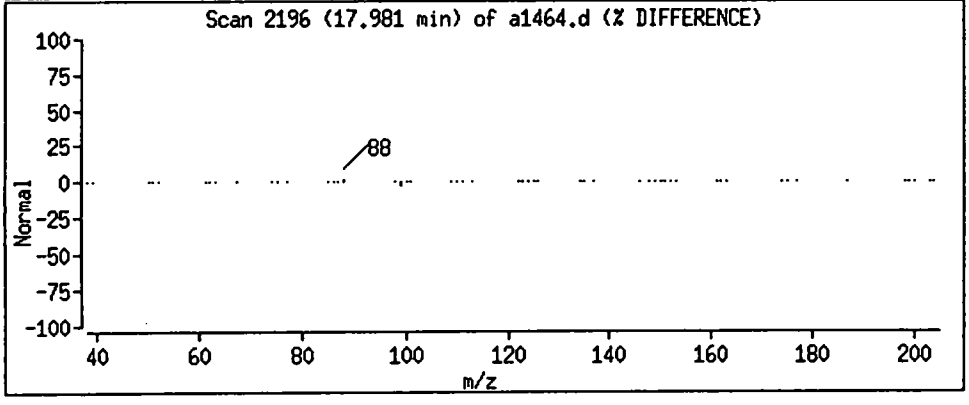












Data File: /wplcsdisk2/hp72a.i/090594.b/a1464.d

Date : 05-SEP-1994 23:05

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-53

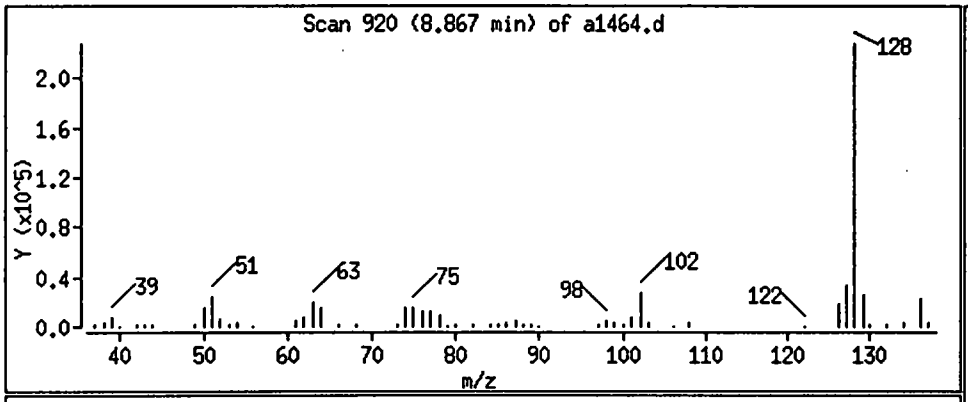
Volume Injected (uL): 1.0

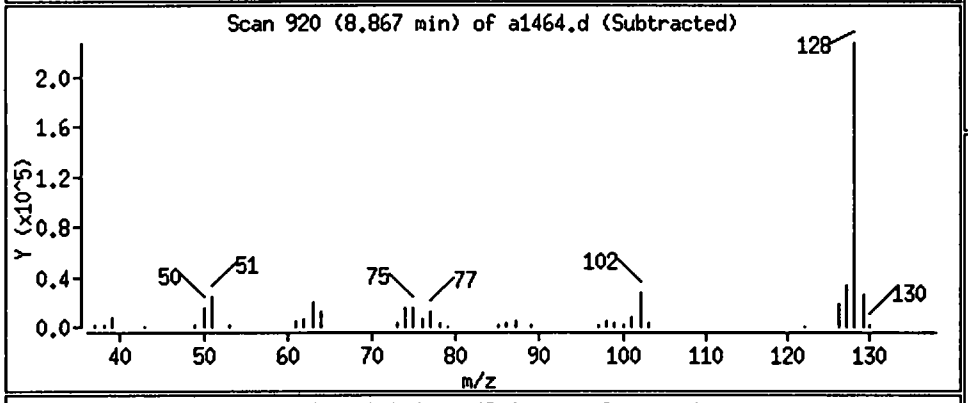
Operator:

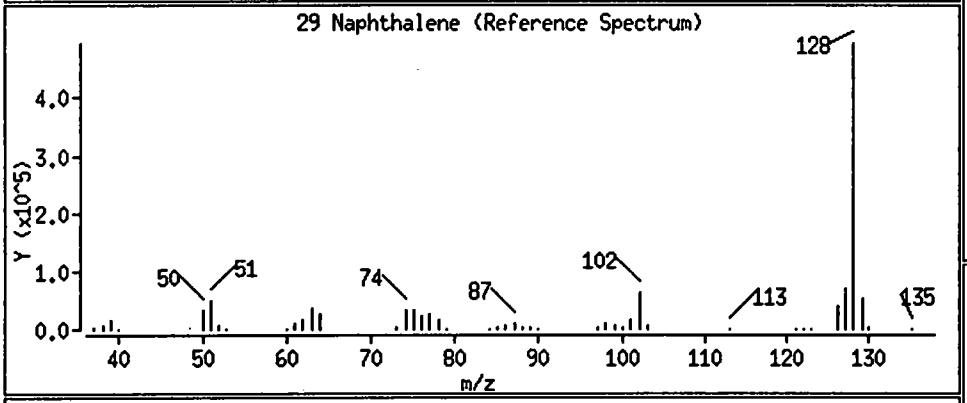
Column phase: hp-5MS

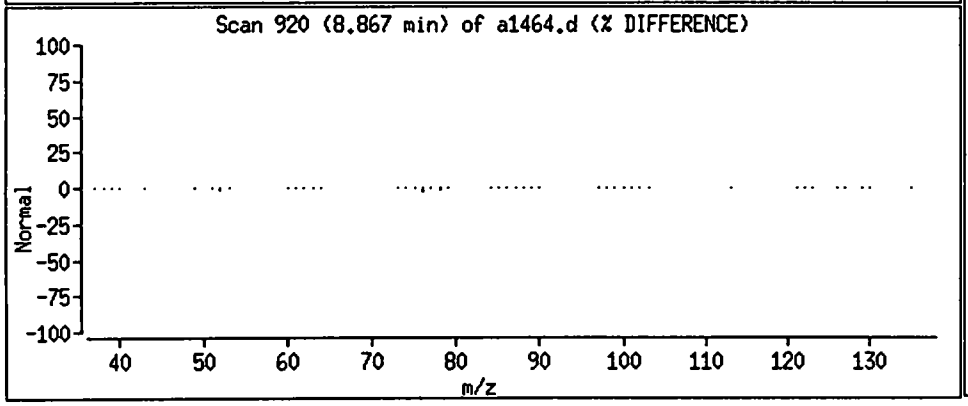
Column diameter: 0.25

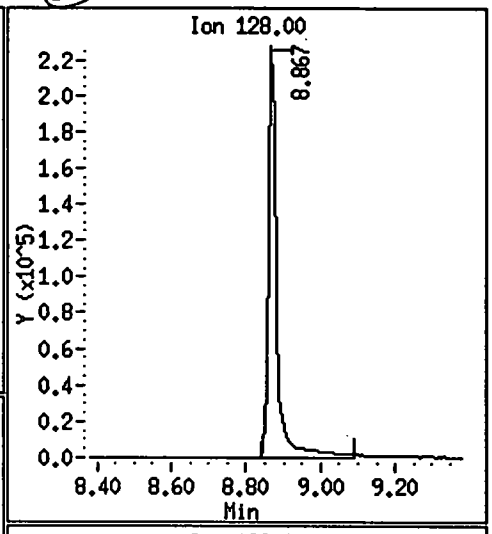
29 Naphthalene

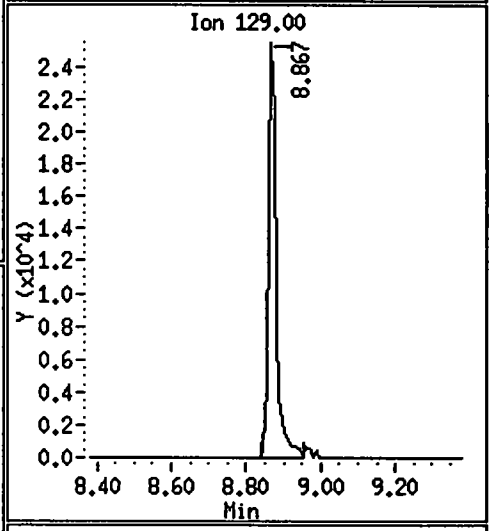


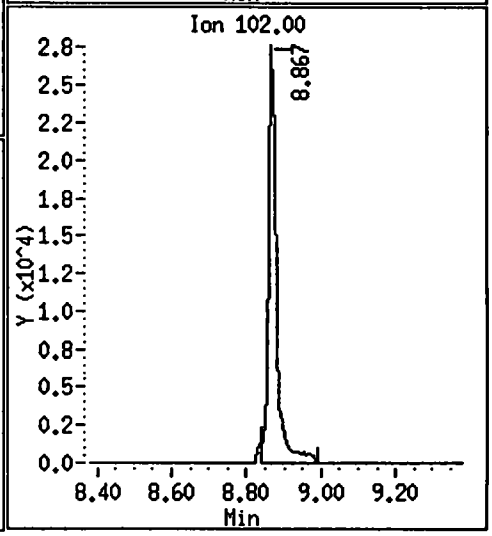












Data File: /wplcsdisk2/hp72a.i/090594.b/a1464.d

Date : 05-SEP-1994 23:05

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-53

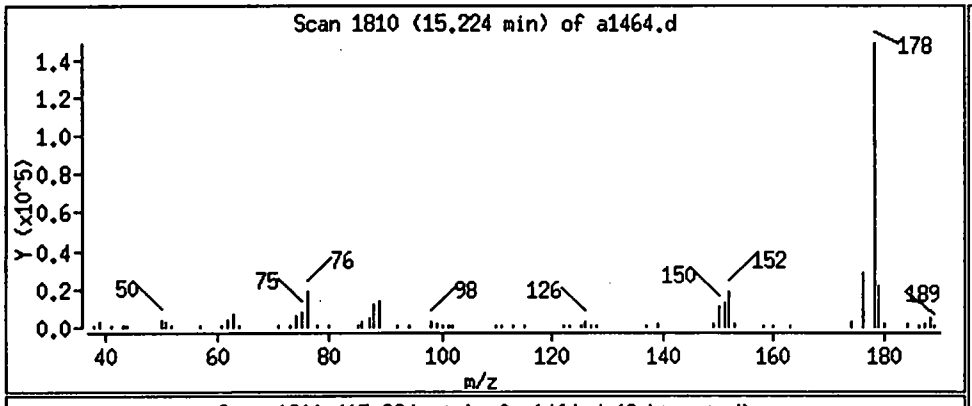
Volume Injected (uL): 1.0

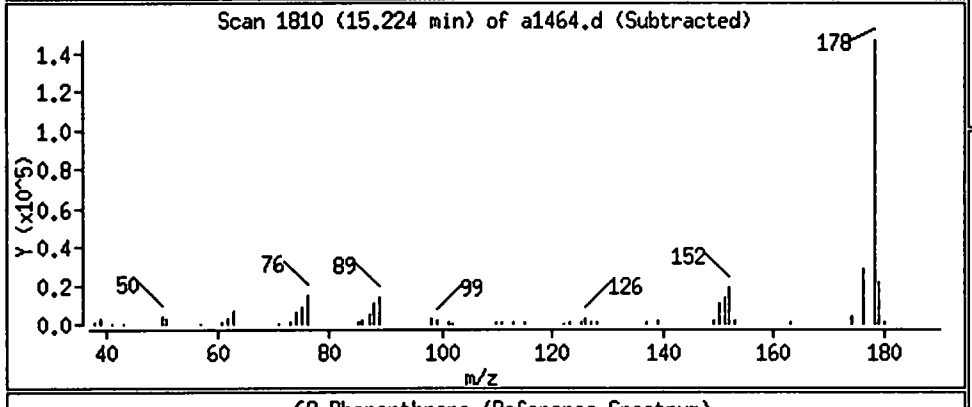
Operator:

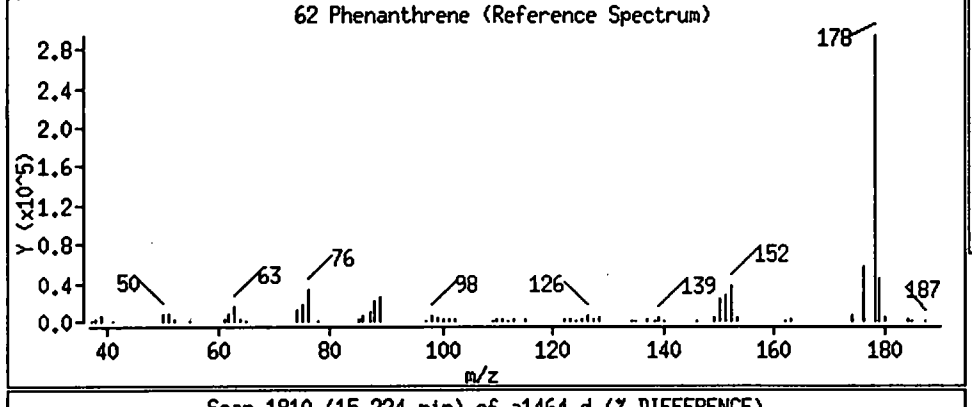
Column phase: hp-5MS

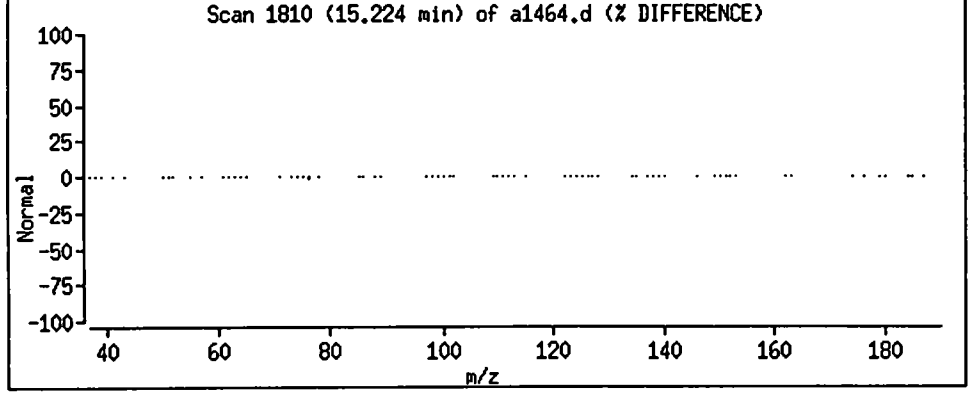
Column diameter: 0.25

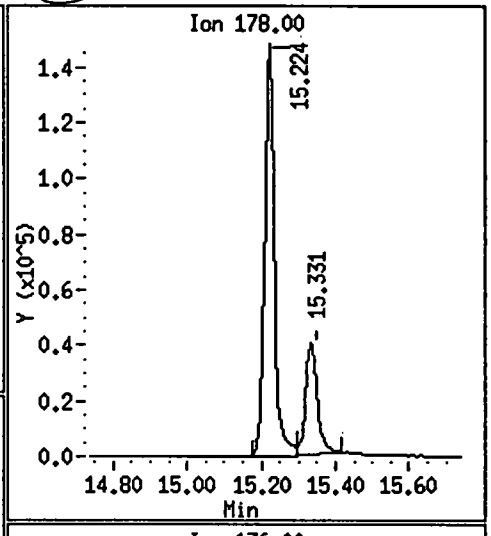
62 Phenanthrene

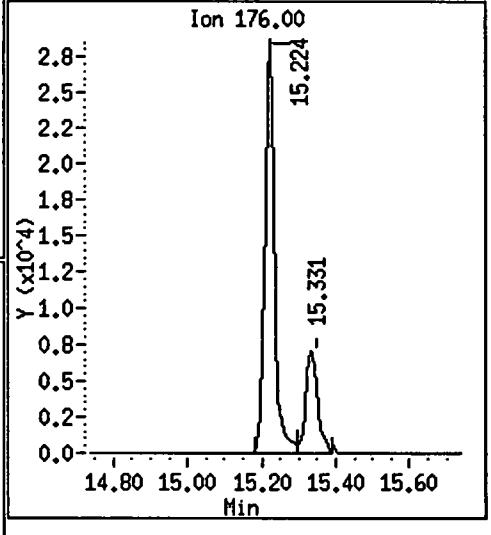












Data File: /wplcsdisk2/hp72a.i/090594.b/a1464.d

Date : 05-SEP-1994 23:05

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-53

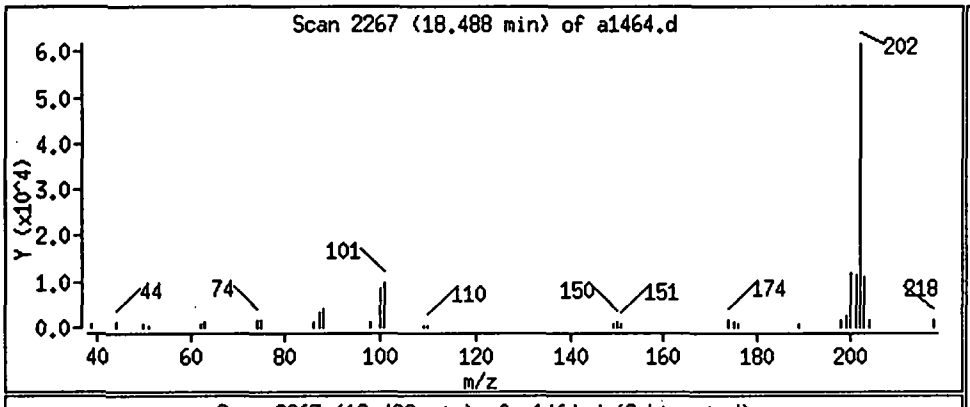
Volume Injected (uL): 1.0

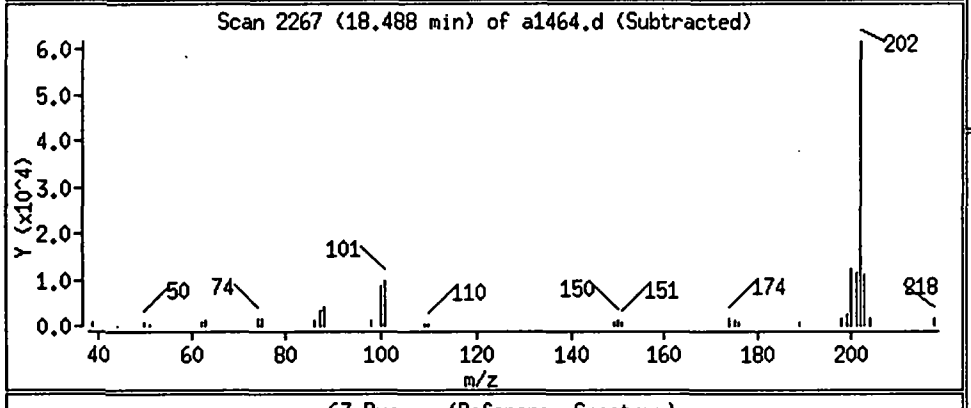
Operator:

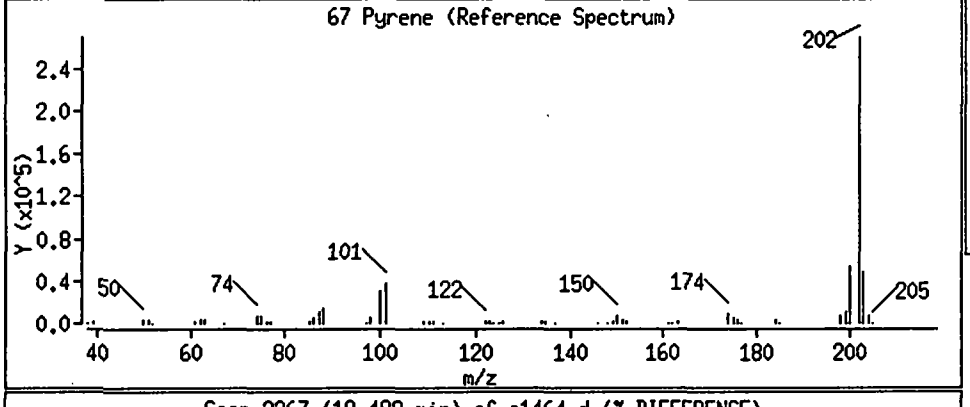
Column phase: hp-5MS

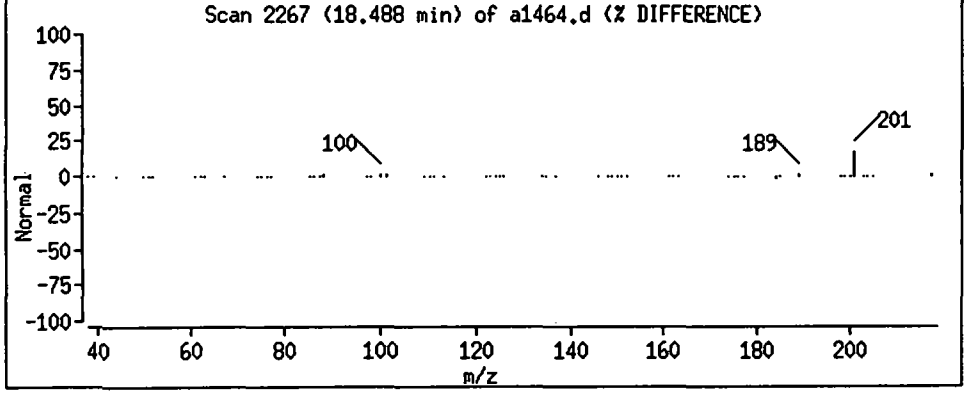
Column diameter: 0.25

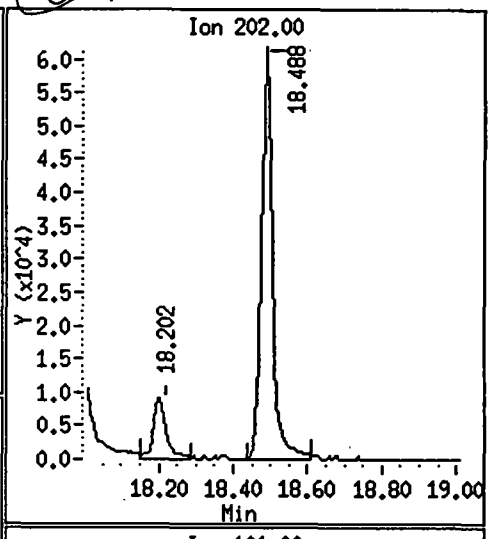
67 Pyrene

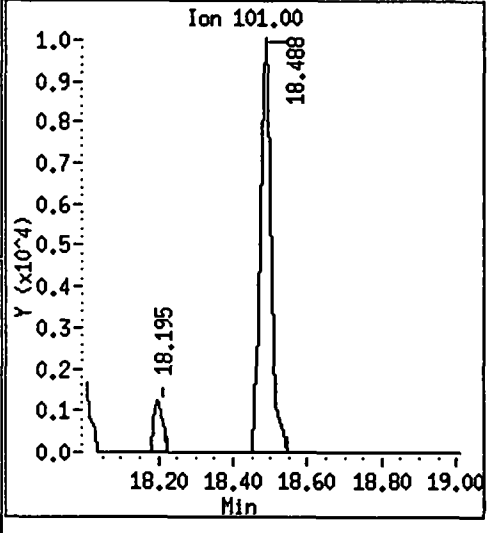












Data File: /wplcsdisk2/hp72a.i/090694.b/a1483.d

Date : 06-SEP-1994 19:23

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/082634MS-35

Volume Injected (uL): 1.0

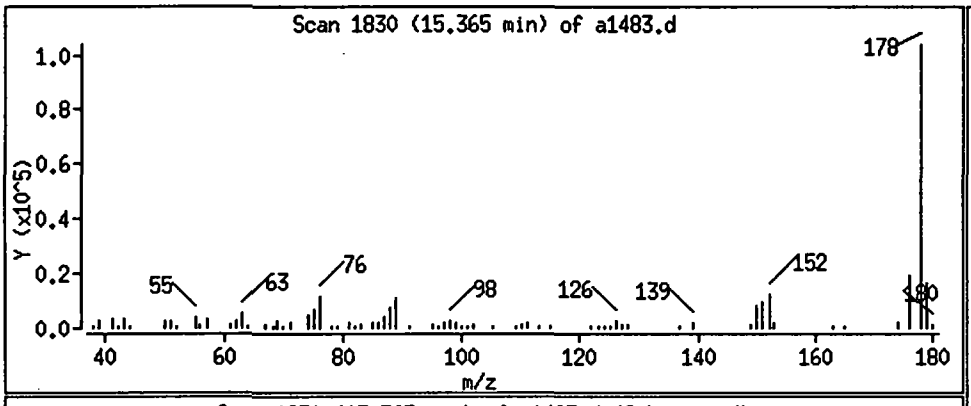
Operator:

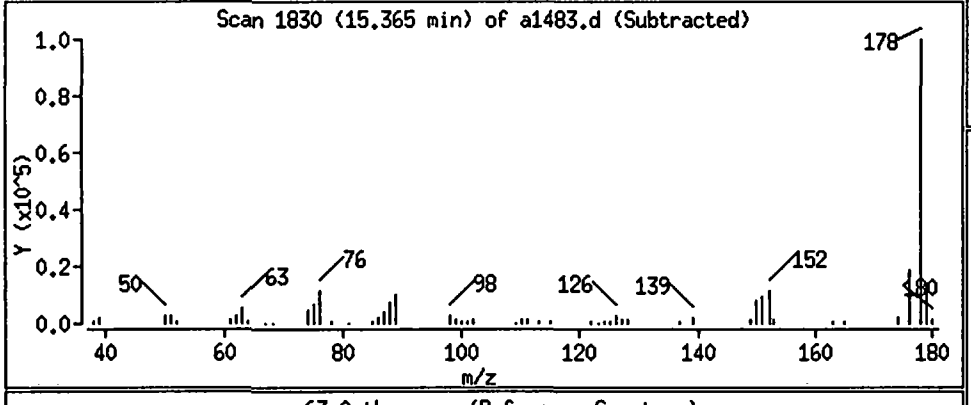
Column phase: hp-5MS

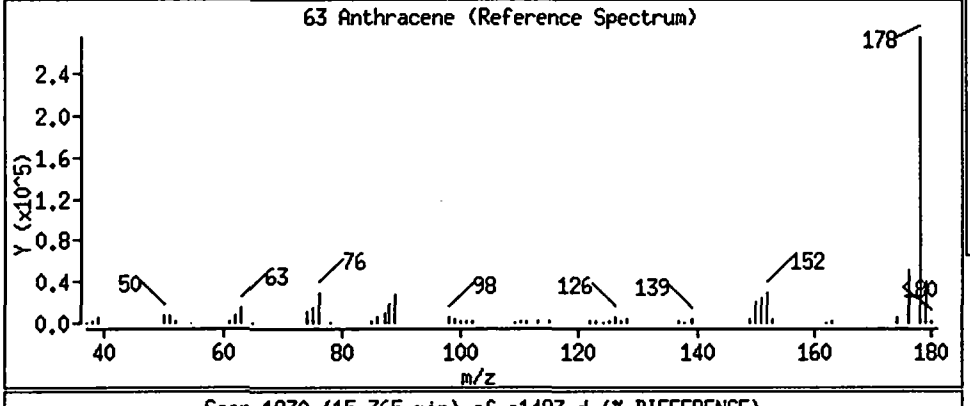
Column diameter: 0.25

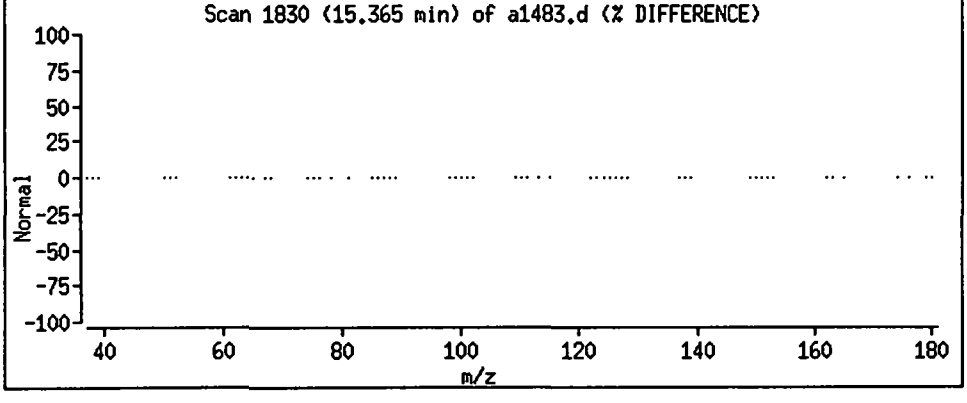
OK ARR

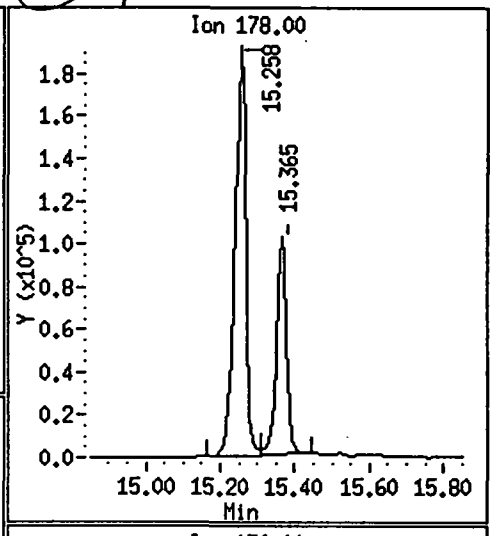
63 Anthracene

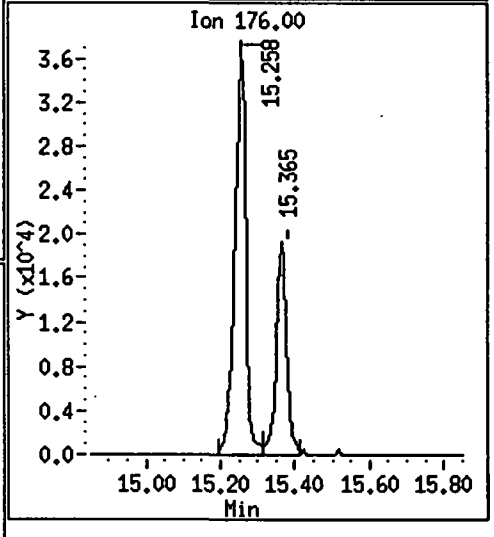












Data File: /wplcsdisk2/hp72a.i/090694.b/a1483.d

Date : 06-SEP-1994 19:23

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/082634MS-35

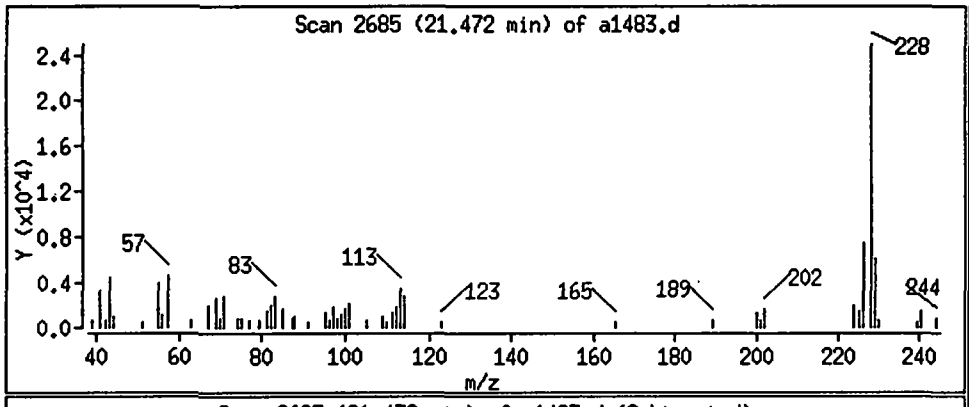
Volume Injected (uL): 1.0

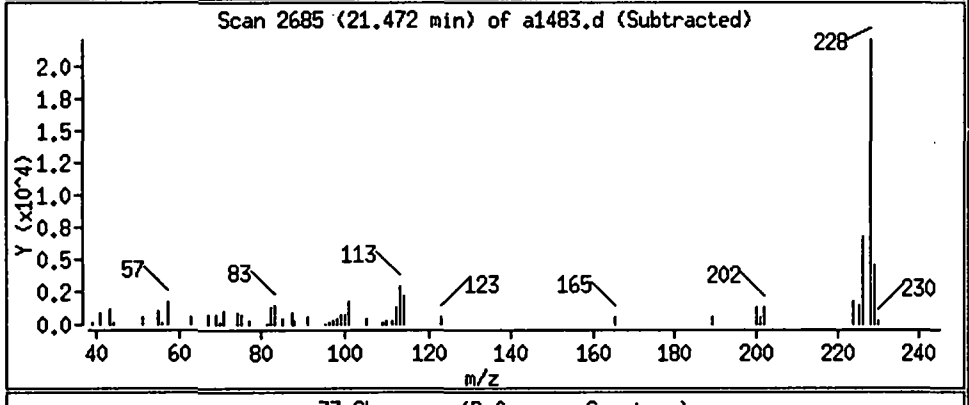
Operator:

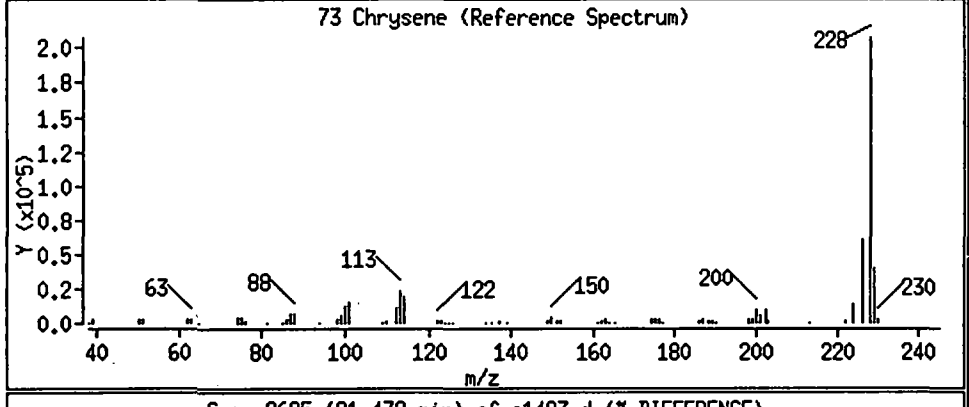
Column phase: hp-5MS

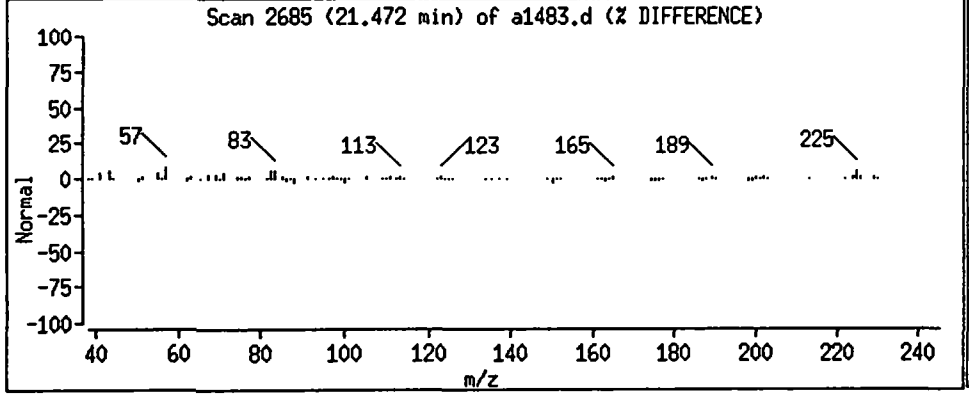
Column diameter: 0.25

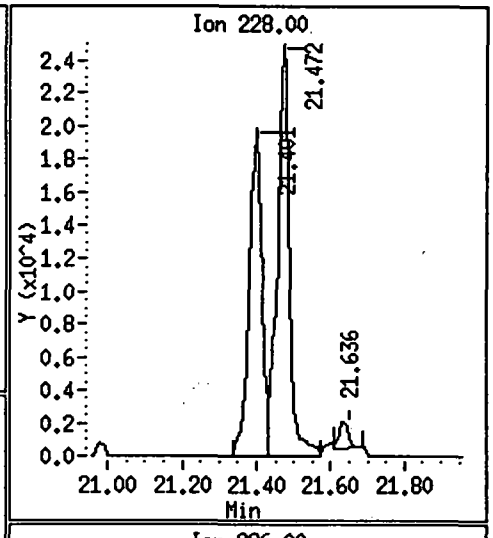
73 Chrysene

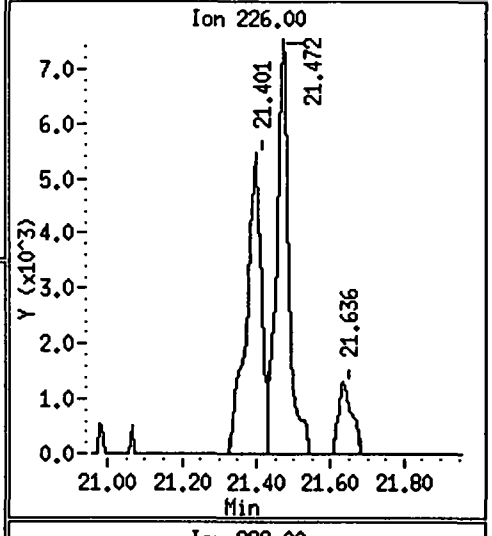


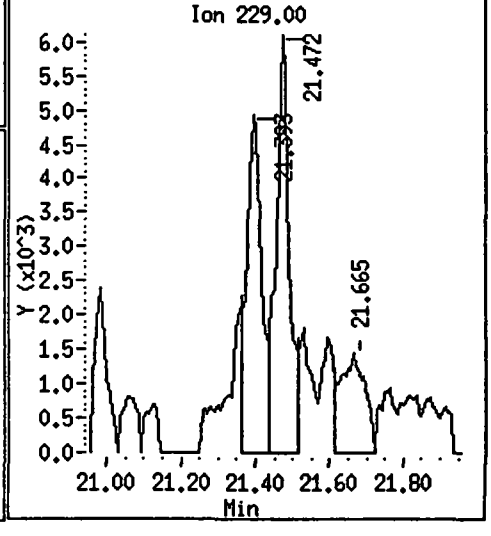












Data File: /wplcsdisk2/hp72a.i/090694.b/a1483.d

Date : 06-SEP-1994 19:23

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/082634MS-35

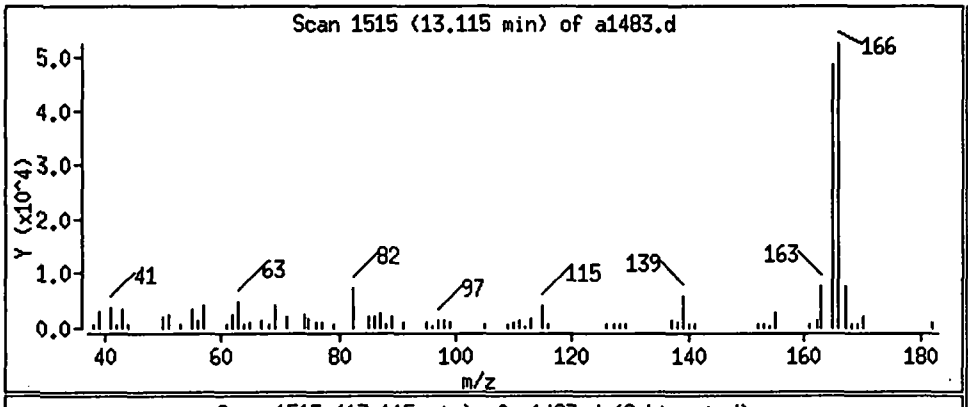
Volume Injected (uL): 1.0

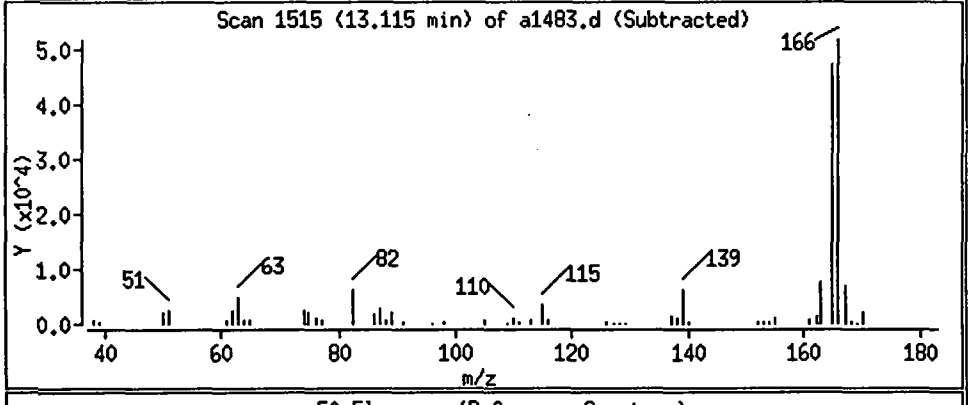
Operator:

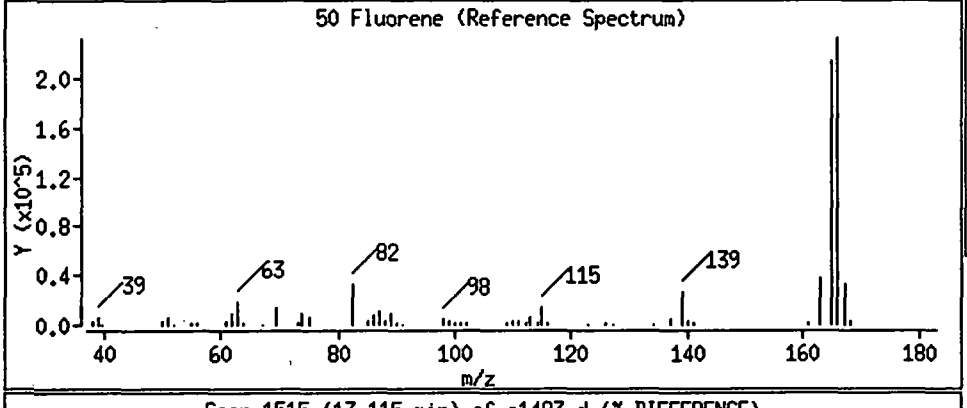
Column phase: hp-5MS

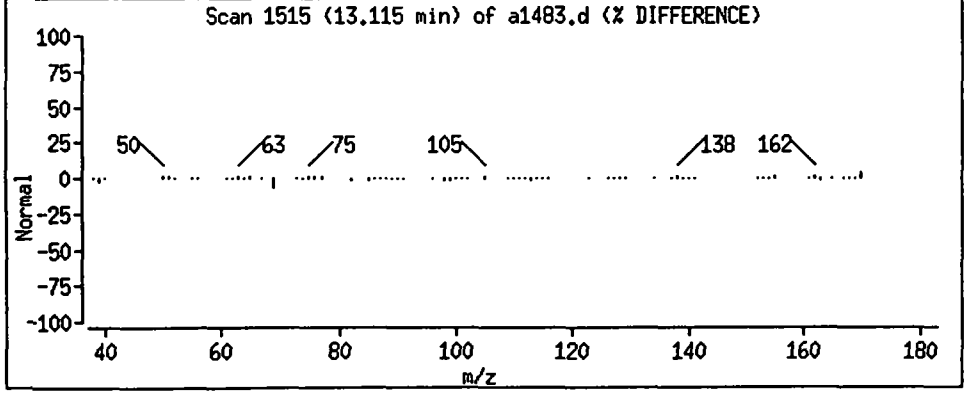
Column diameter: 0.25

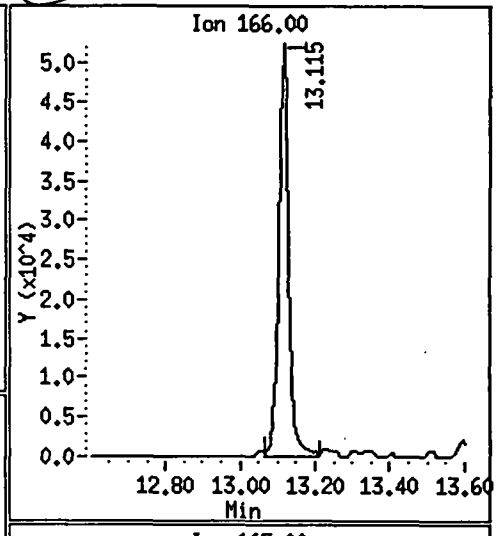
50 Fluorene

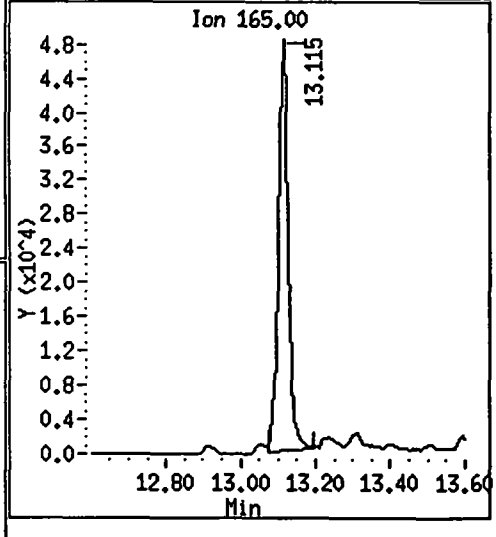












Data File: /wplcsdisk2/hp72a.i/090694.b/a1483.d

Date : 06-SEP-1994 19:23

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/082634MS-35

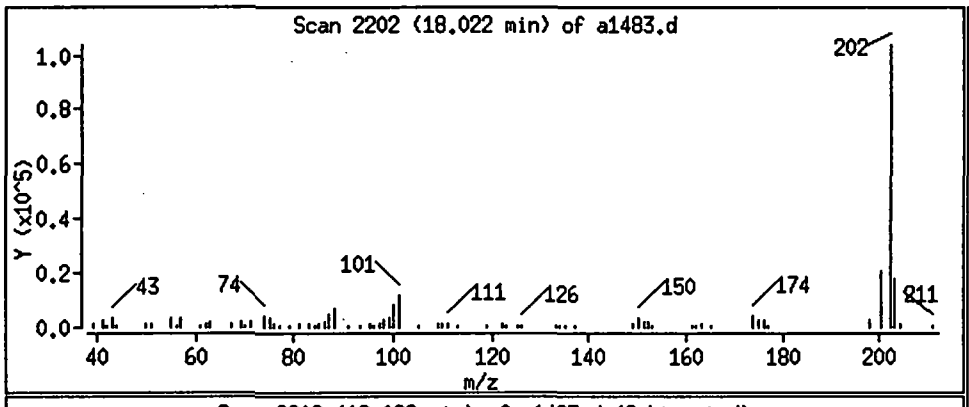
Volume Injected (uL): 1.0

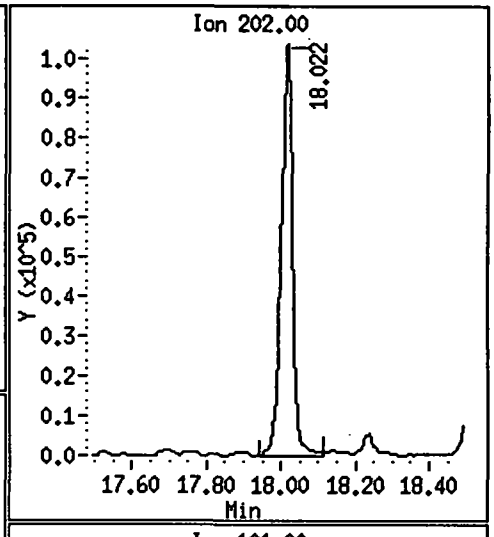
Operator:

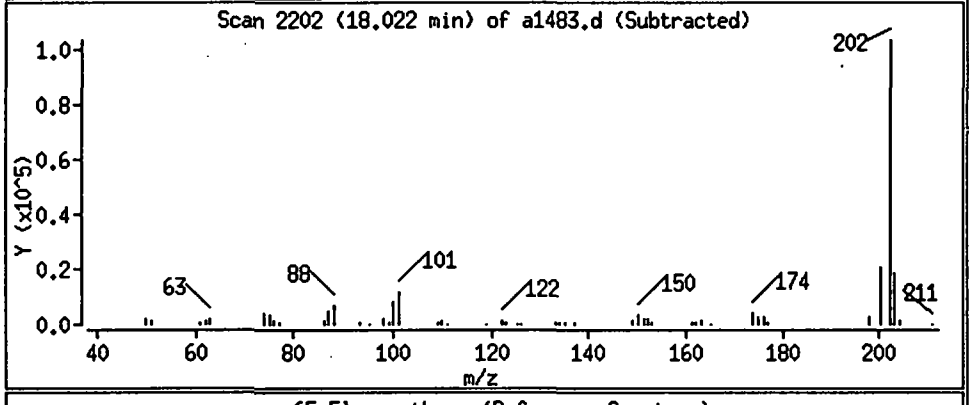
Column phase: hp-5MS

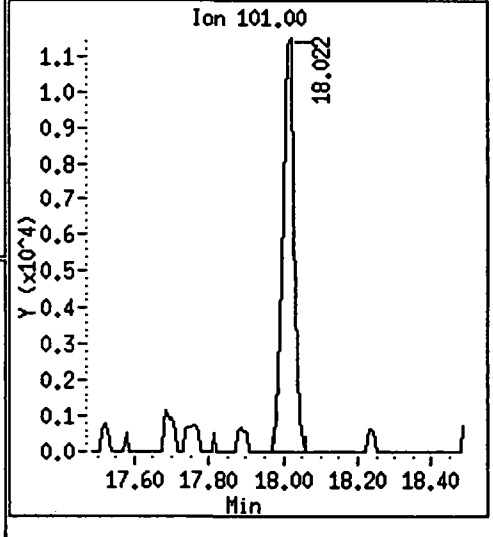
Column diameter: 0.25

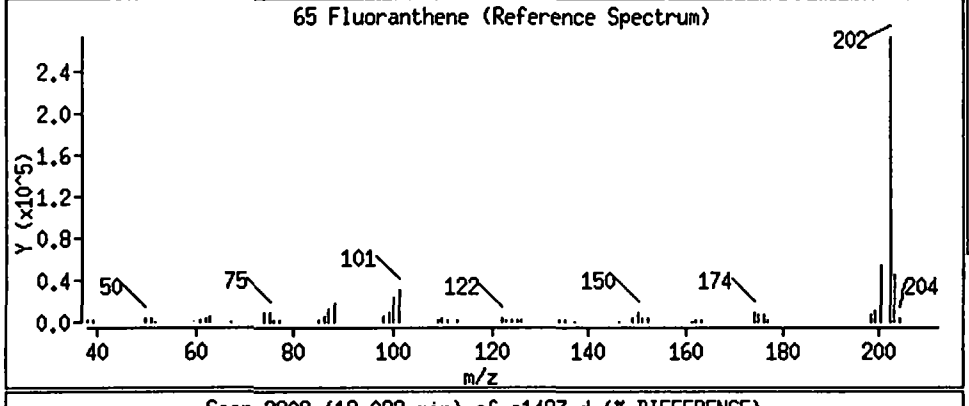
65 Fluoranthene

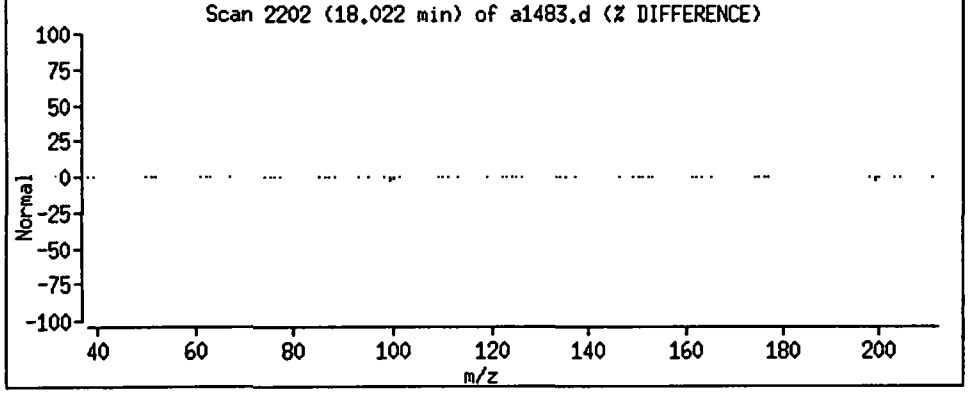












Data File: /wplcsdisk2/hp72a.i/090694.b/a1483.d

Date : 06-SEP-1994 19:23

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/082634MS-35

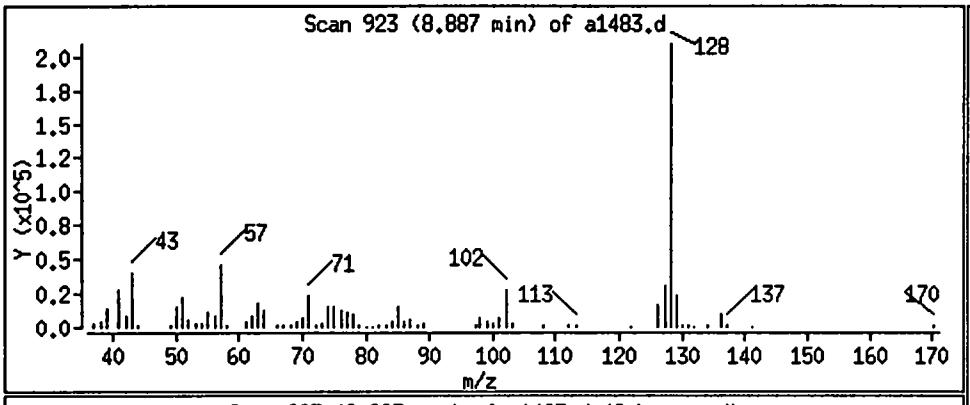
Volume Injected (uL): 1.0

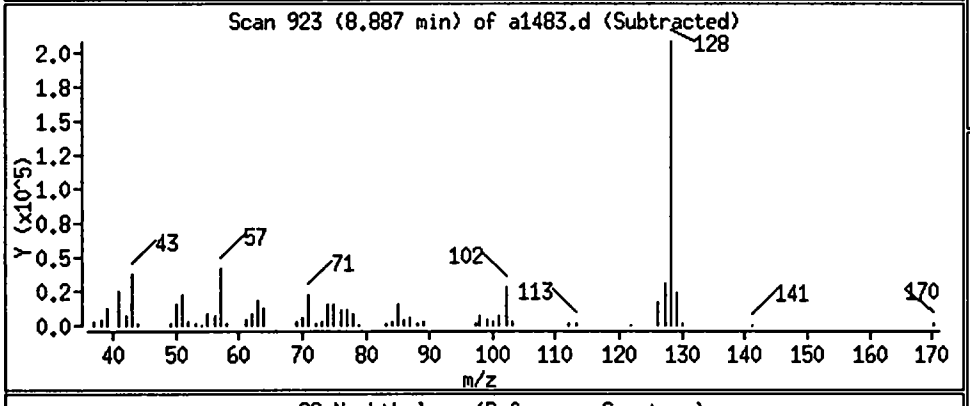
Operator:

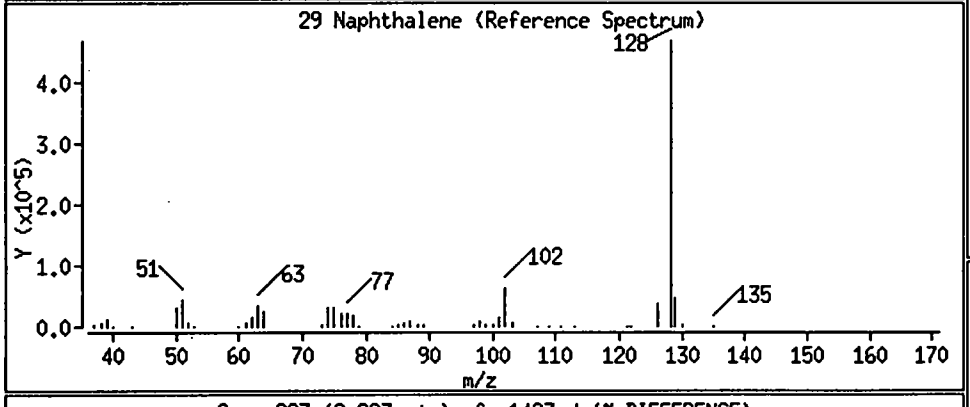
Column phase: hp-5MS

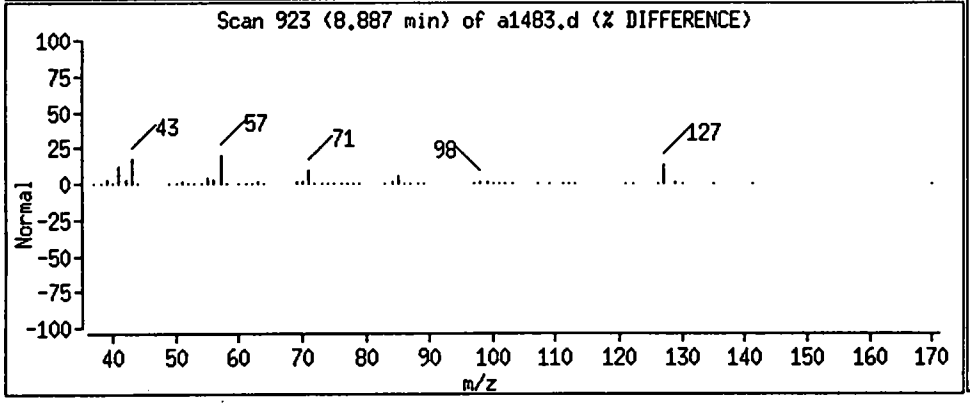
Column diameter: 0.25

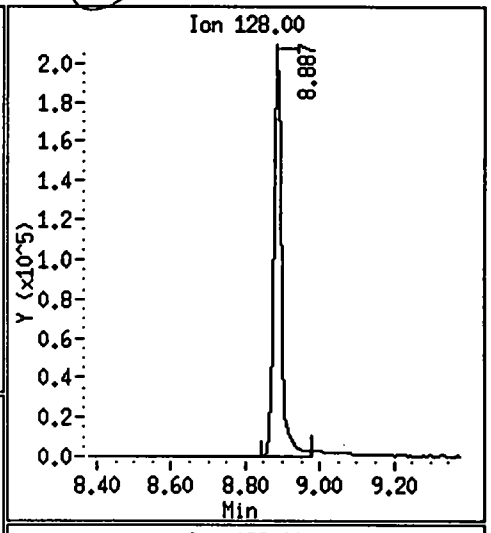
29 Naphthalene

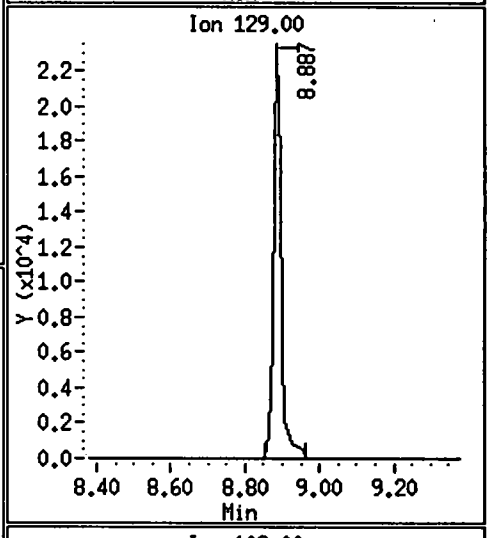


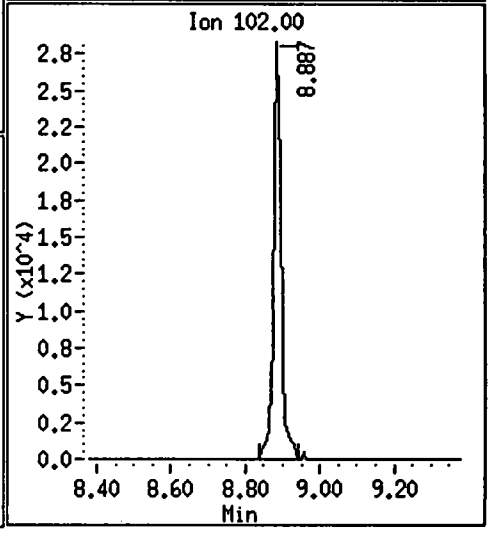












Data File: /wplcsdisk2/hp72a.i/090694.b/a1483.d

Date : 06-SEP-1994 19:23

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/082634MS-35

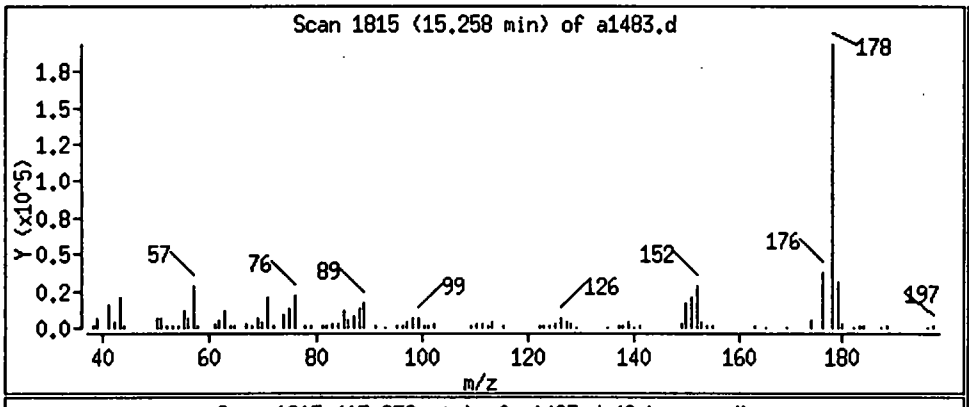
Volume Injected (uL): 1.0

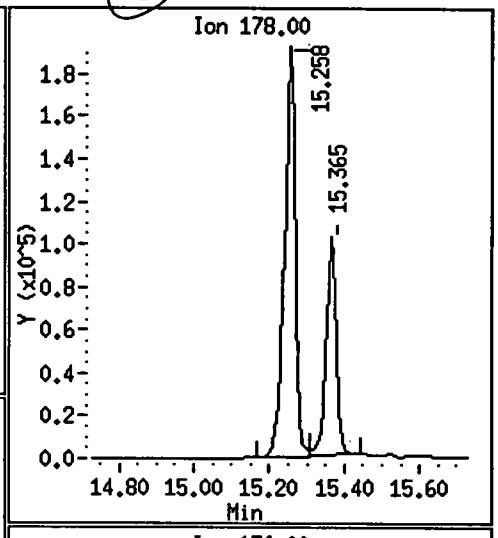
Operator:

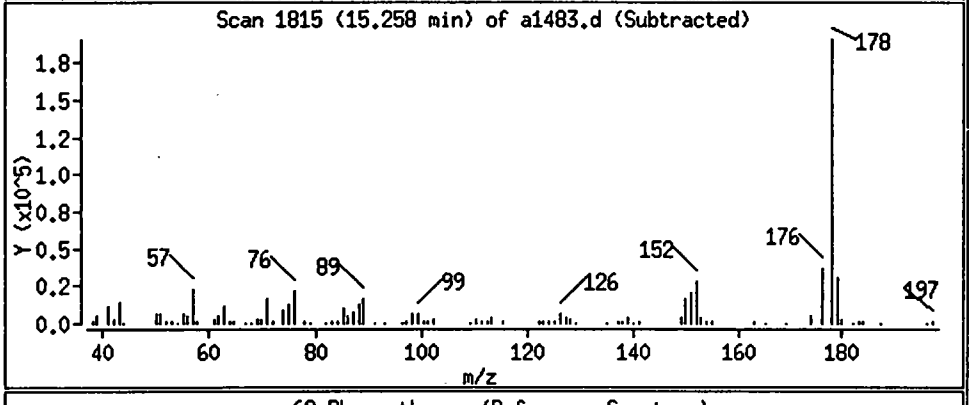
Column phase: hp-5MS

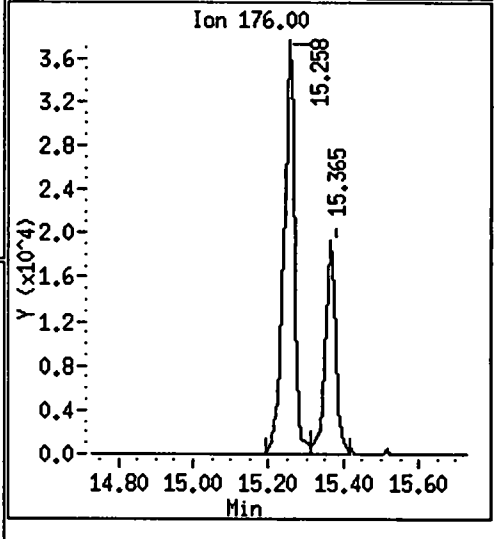
Column diameter: 0.25

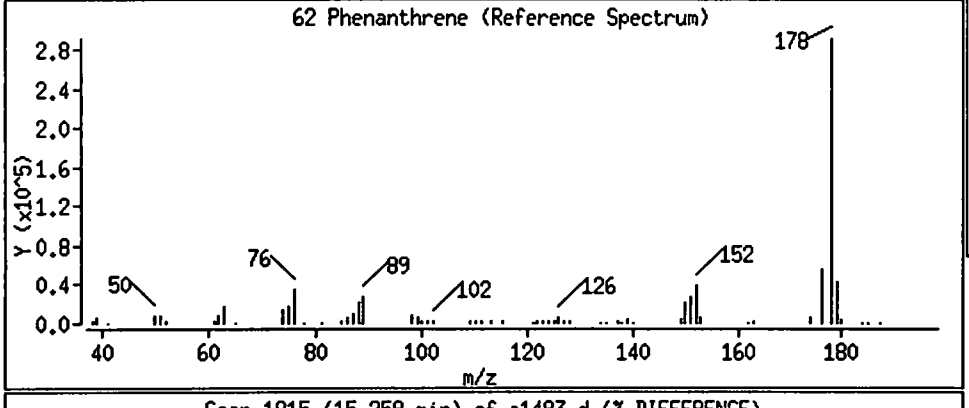
62 Phenanthrene

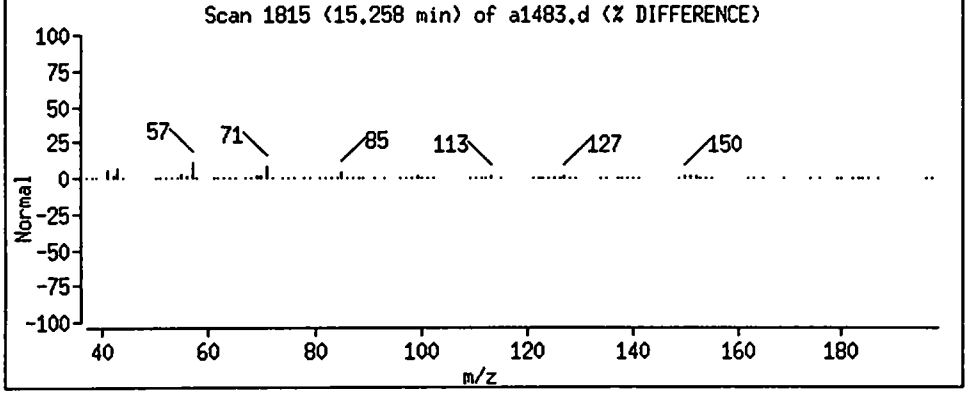












Data File: /wplcsdisk2/hp72a.i/090694.b/a1483.d

Date : 06-SEP-1994 19:23

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/082634MS-35

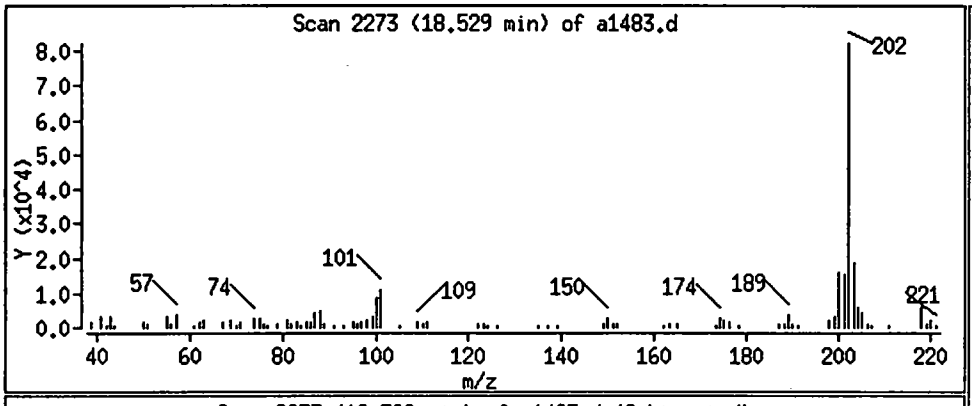
Volume Injected (uL): 1.0

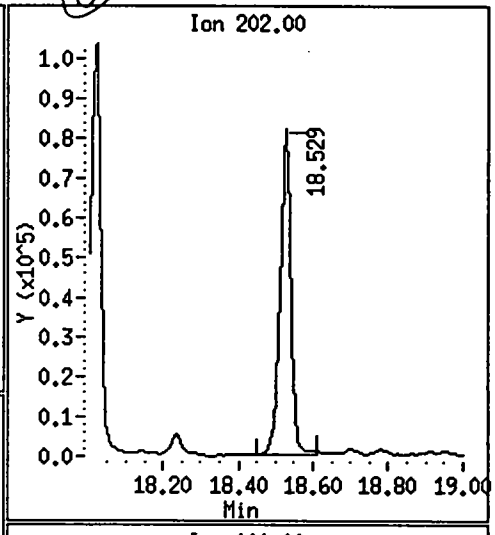
Operator:

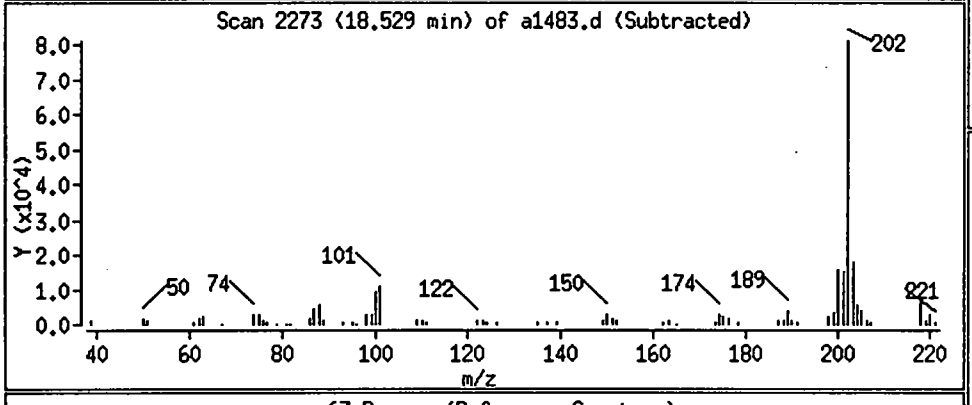
Column phase: hp-5MS

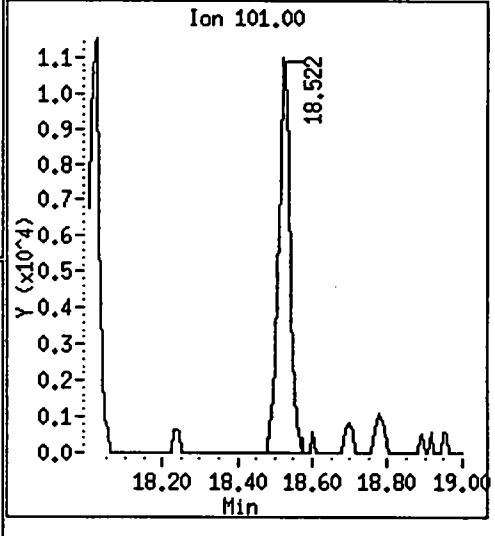
Column diameter: 0.25

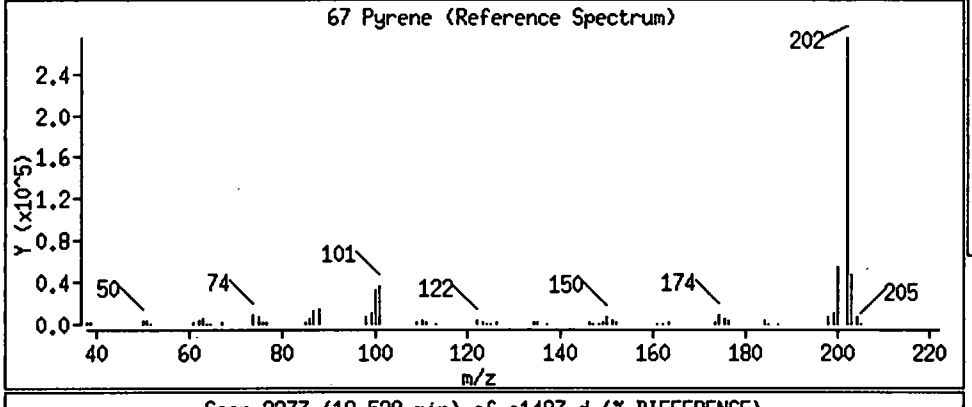
67 Pyrene

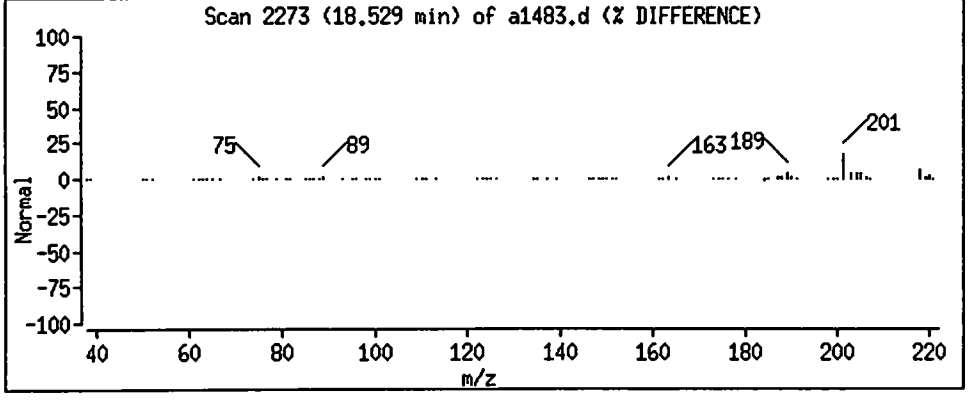












Data File: /wplcsdisk2/hp72a.i/090694.b/a1484.d

Date : 06-SEP-1994 20:01

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/082634MSD-36

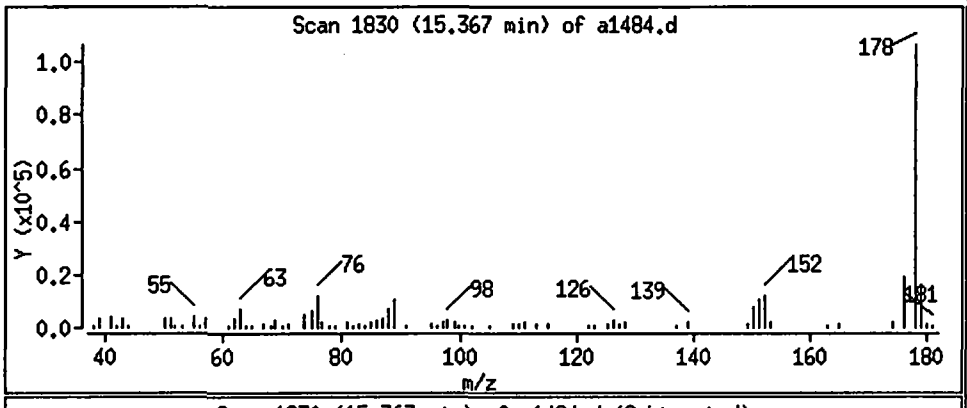
Volume Injected (uL): 1.0

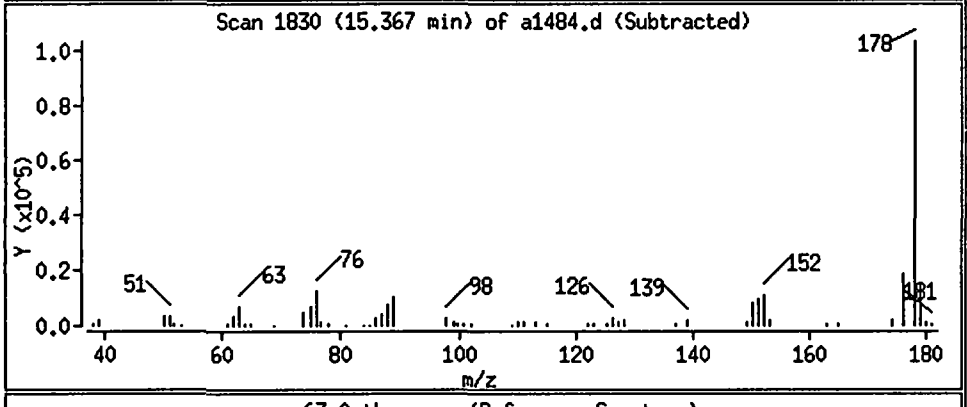
Operator:

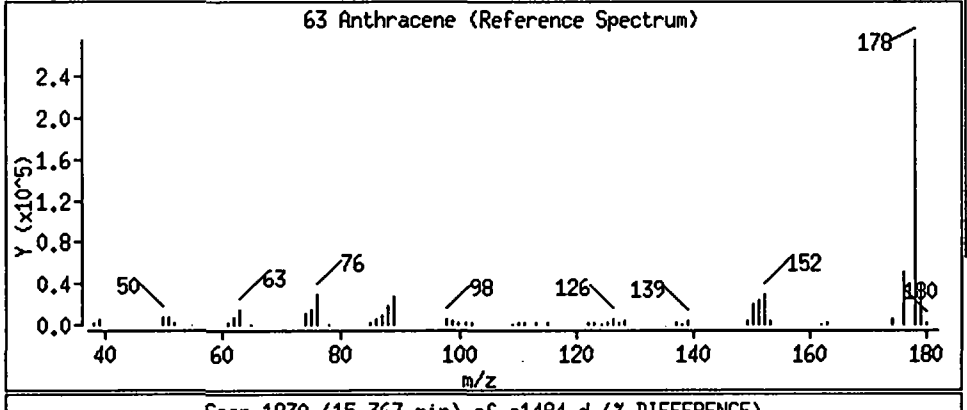
Column phase: hp-5MS

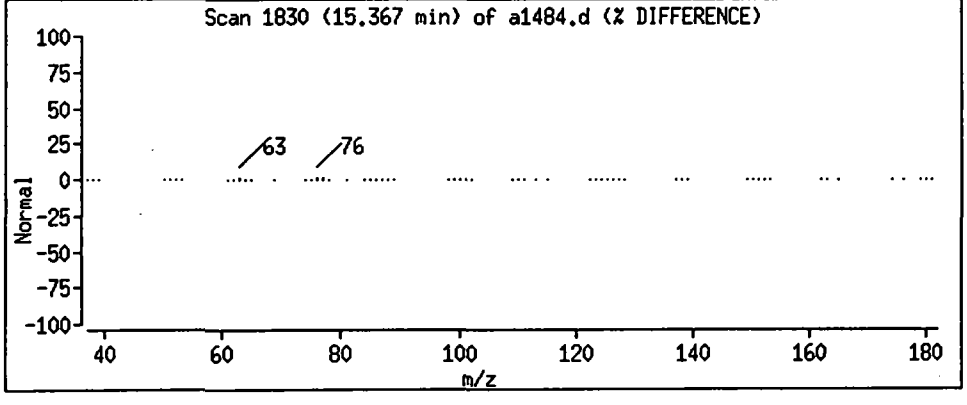
Column diameter: 0.25

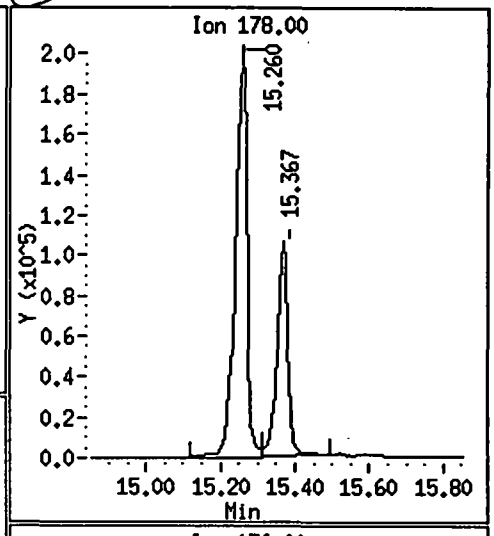
63 Anthracene

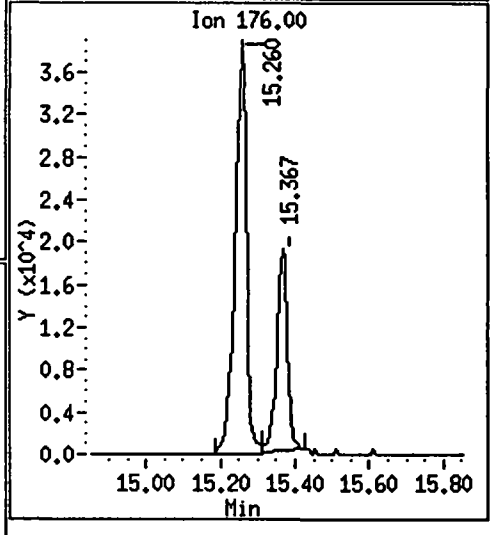












Data File: /wplcsdisk2/hp72a.i/090694.b/a1484.d

Date : 06-SEP-1994 20:01

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/082634MSD-36

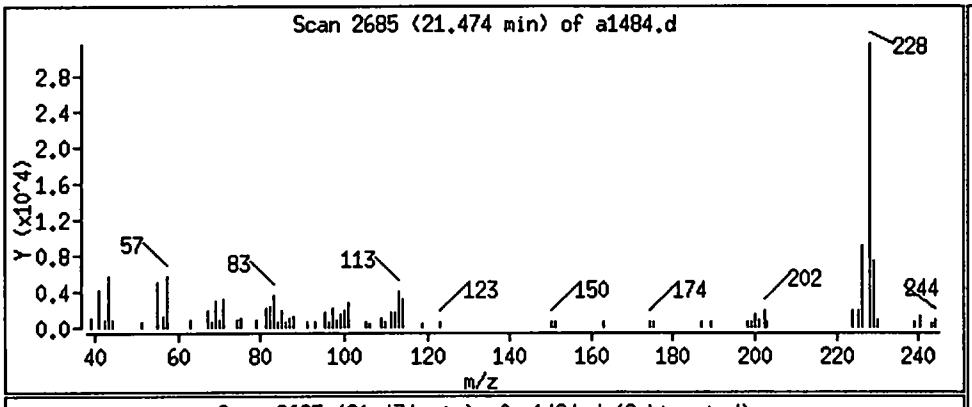
Volume Injected (uL): 1.0

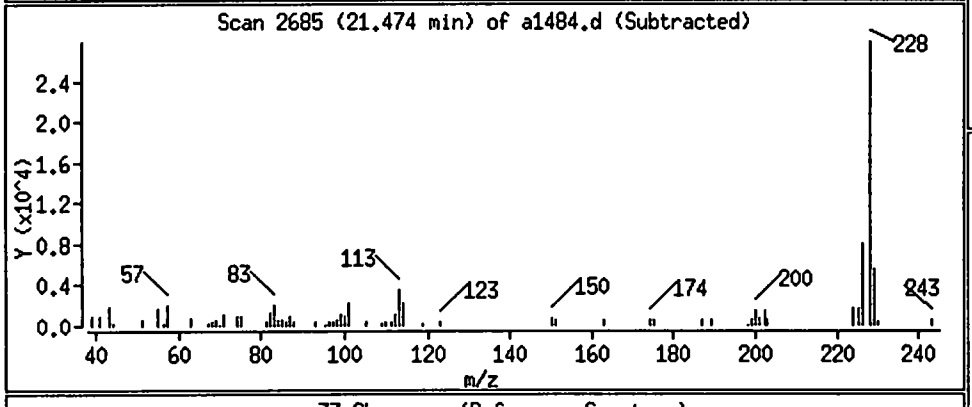
Operator:

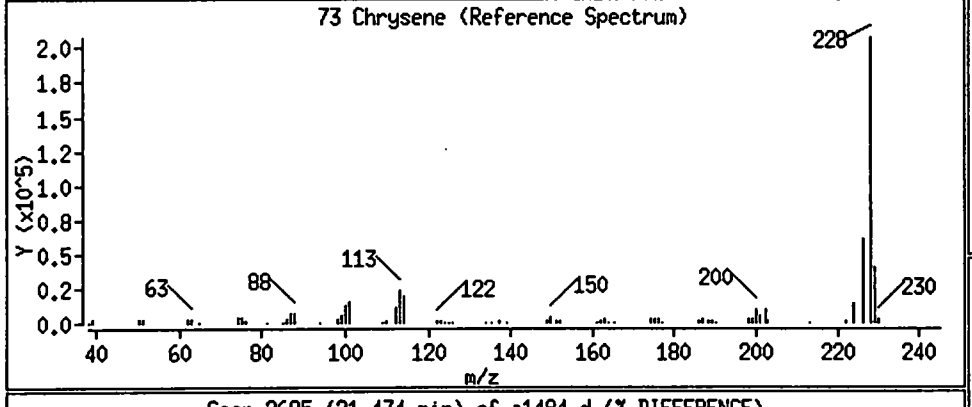
Column phase: hp-5MS

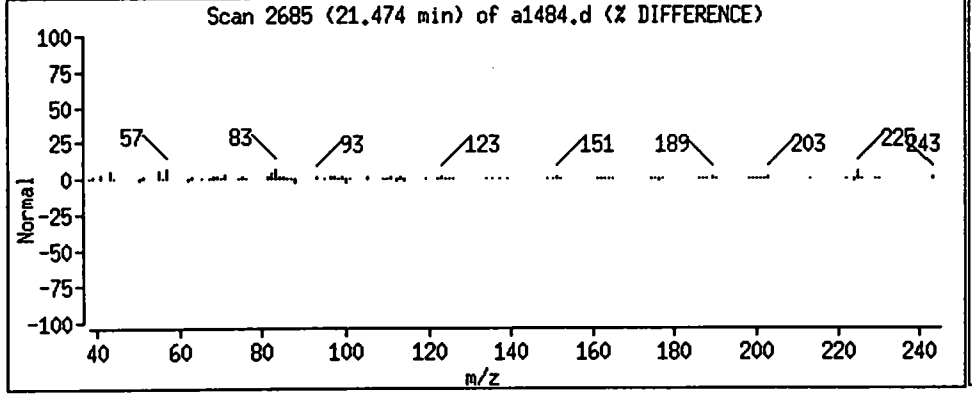
Column diameter: 0.25

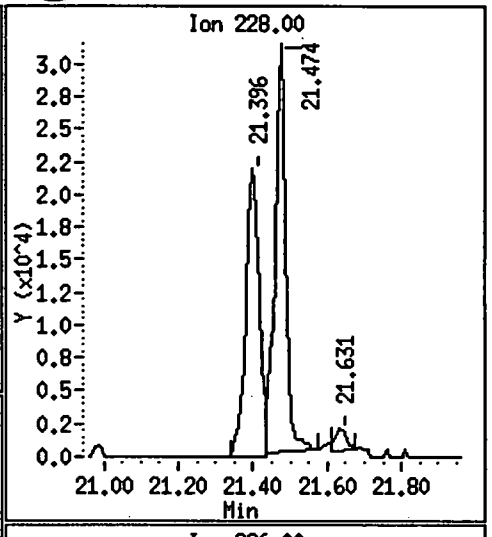
73 Chrysene

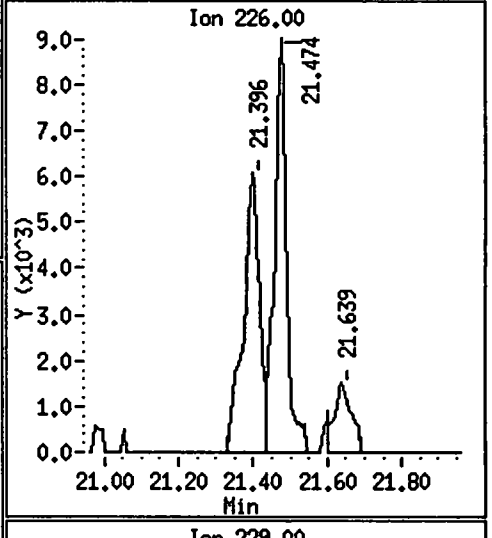


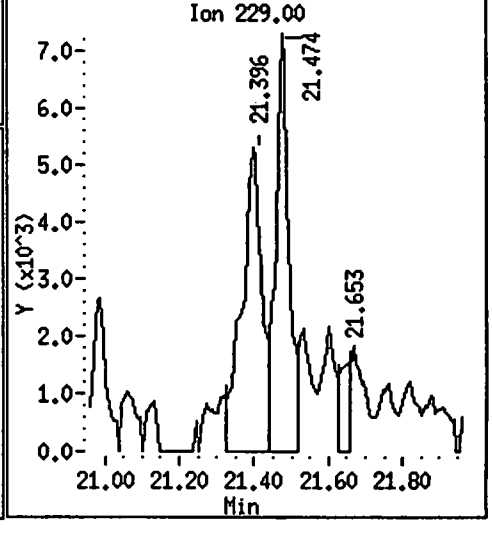












Data File: /wplcsdisk2/hp72a.i/090694.b/a1484.d

Date : 06-SEP-1994 20:01

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/082634MSD-36

Volume Injected (uL): 1.0

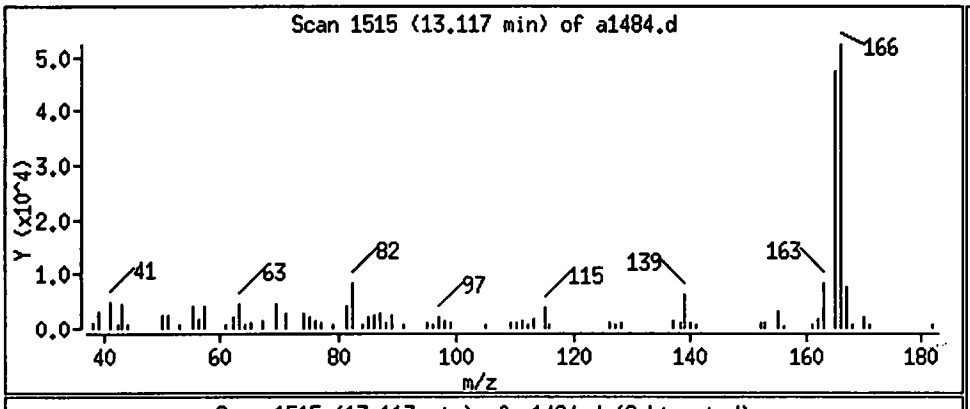
Operator:

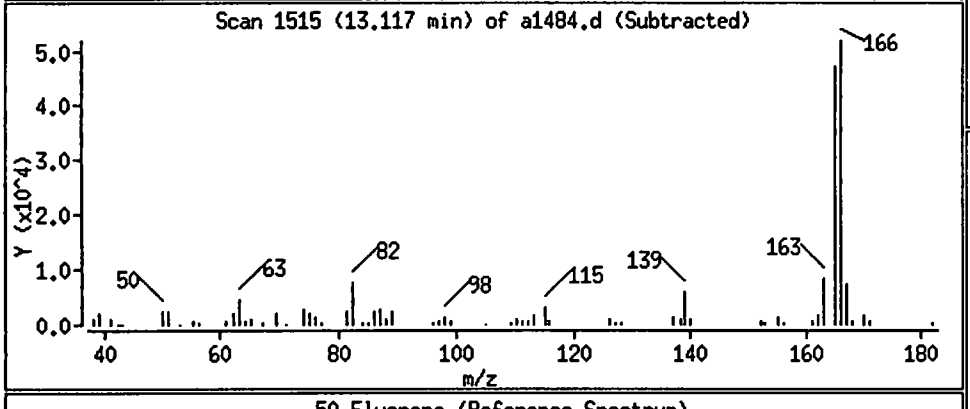
Column phase: hp-5MS

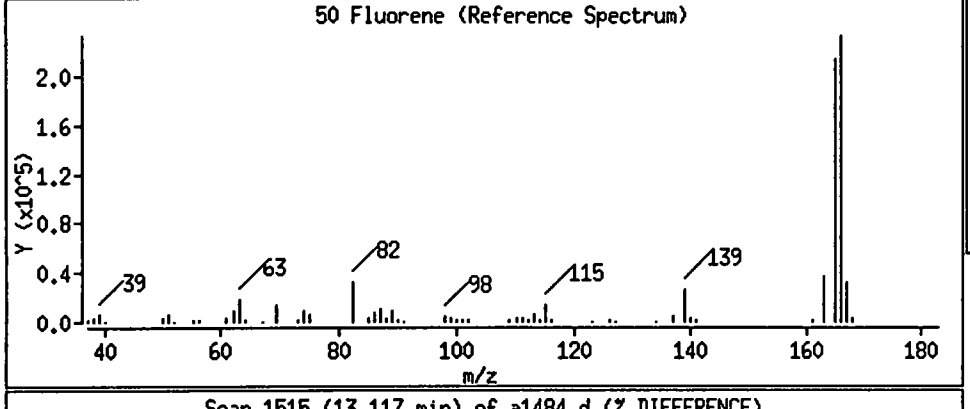
Column diameter: 0.25

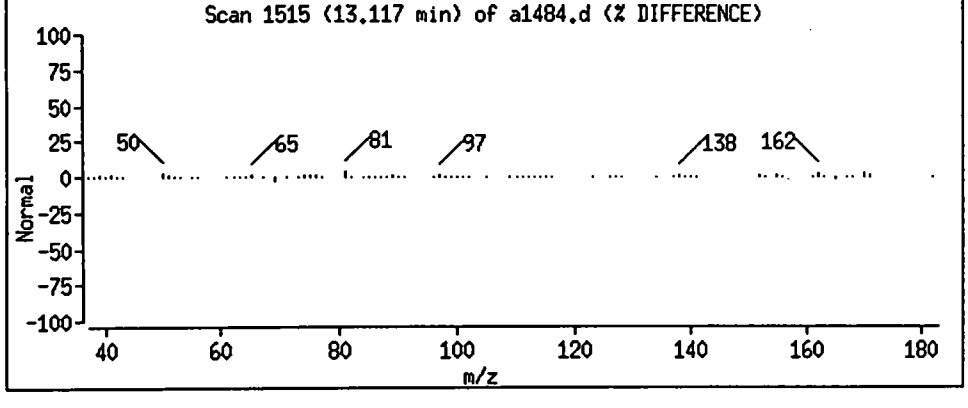
62 Ard

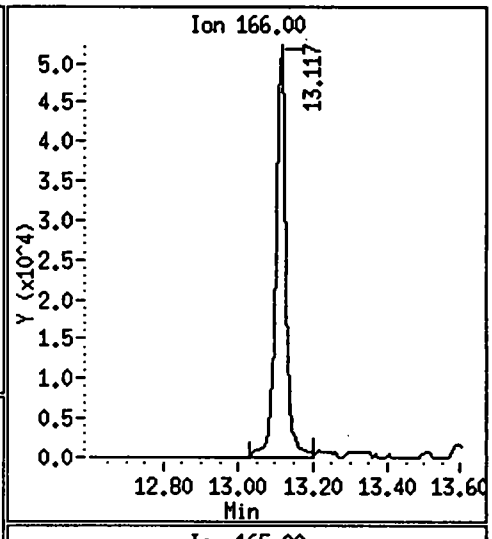
50 Fluorene

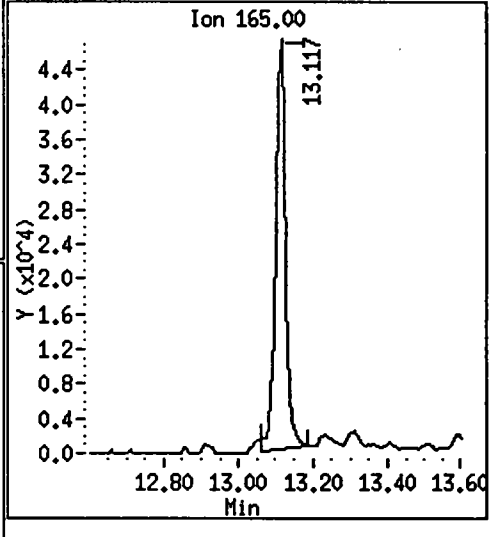












Data File: /wplcsdisk2/hp72a.i/090694.b/a1484.d

Date : 06-SEP-1994 20:01

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/082634MSD-36

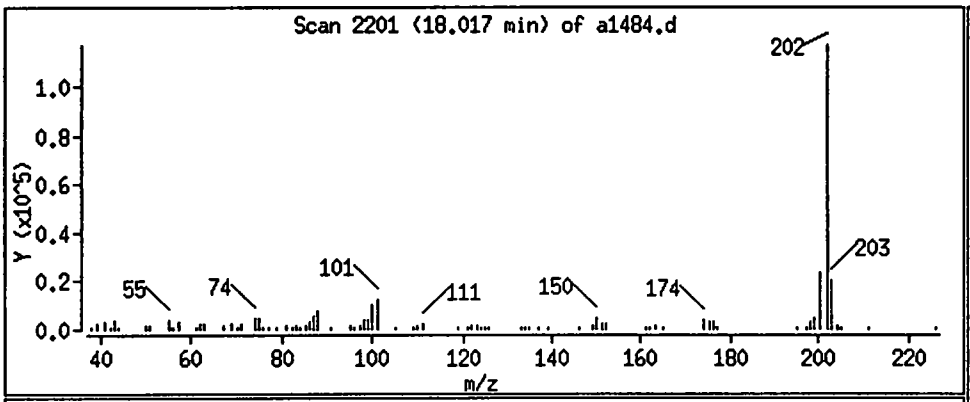
Volume Injected (uL): 1.0

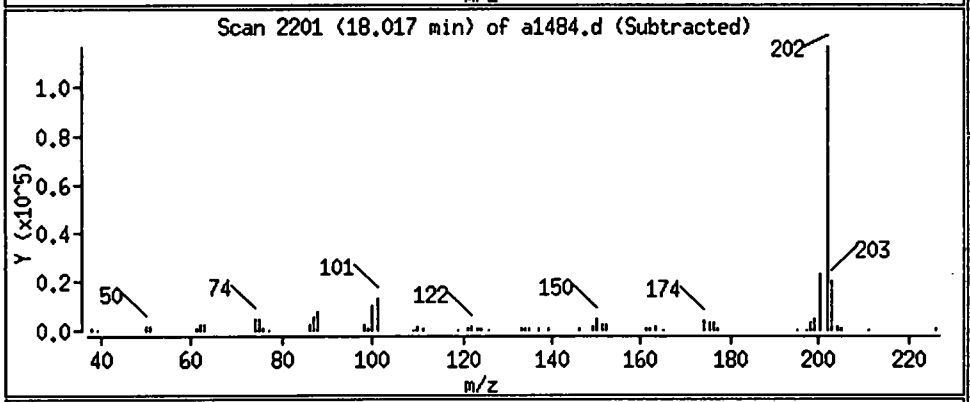
Operator:

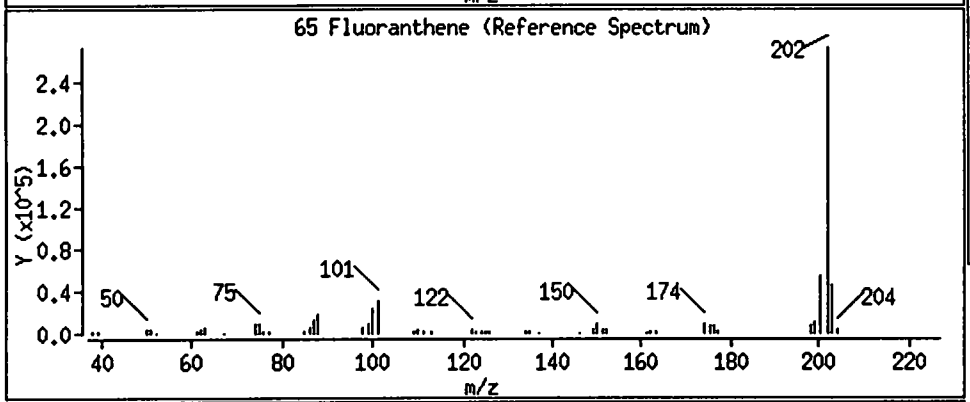
Column phase: hp-5MS

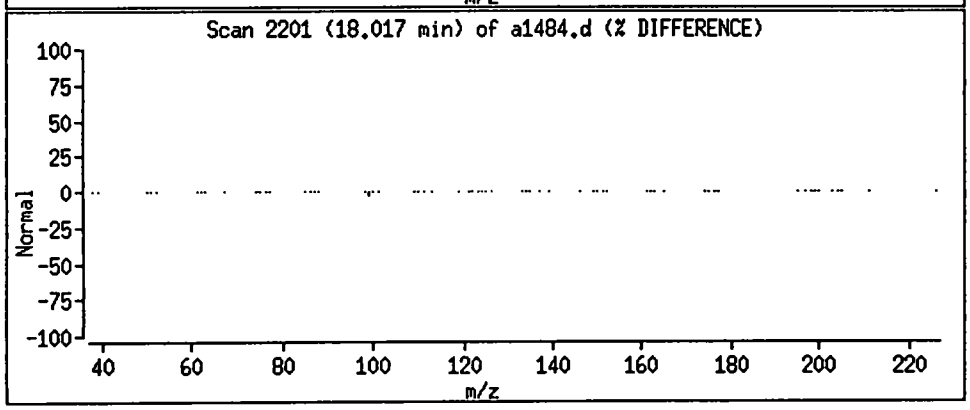
Column diameter: 0.25

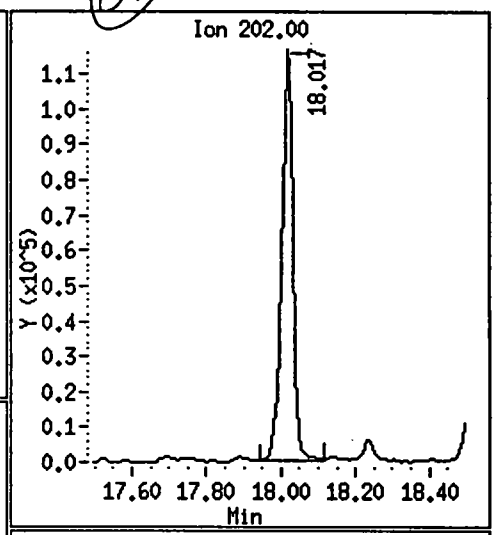
65 Fluoranthene

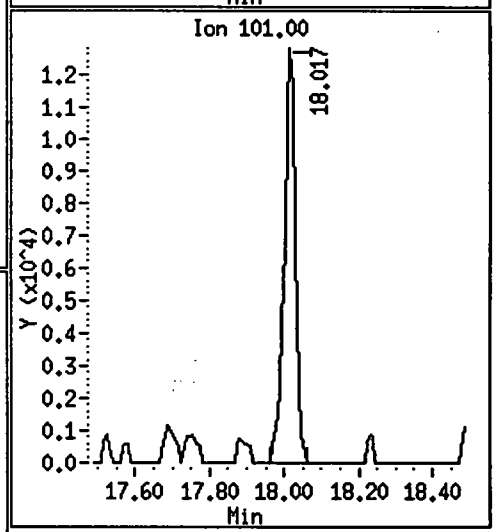












Data File: /wplcsdisk2/hp72a.i/090694.b/a1484.d

Date : 06-SEP-1994 20:01

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/082634MSD-36

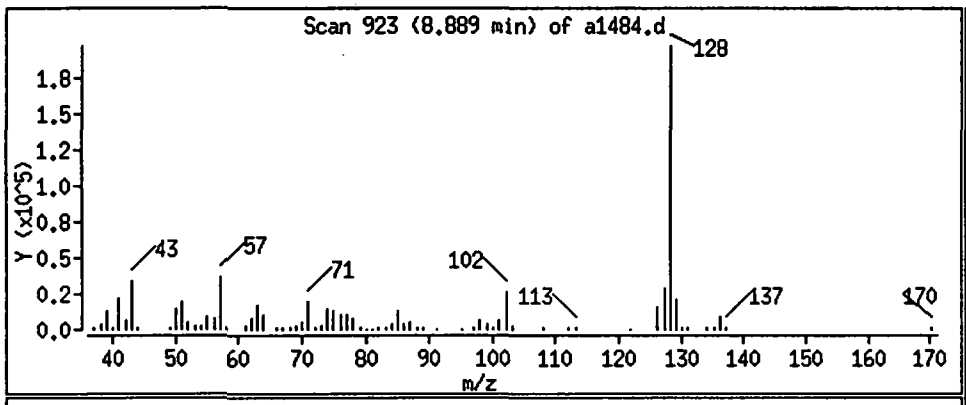
Volume Injected (uL): 1.0

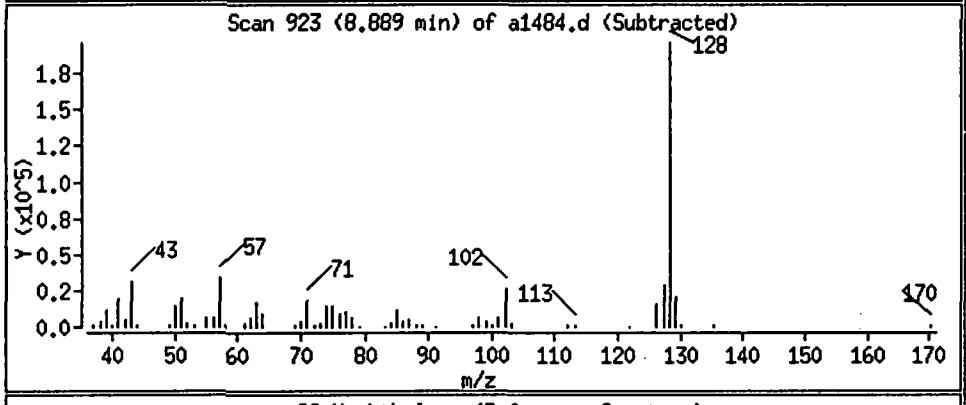
Operator:

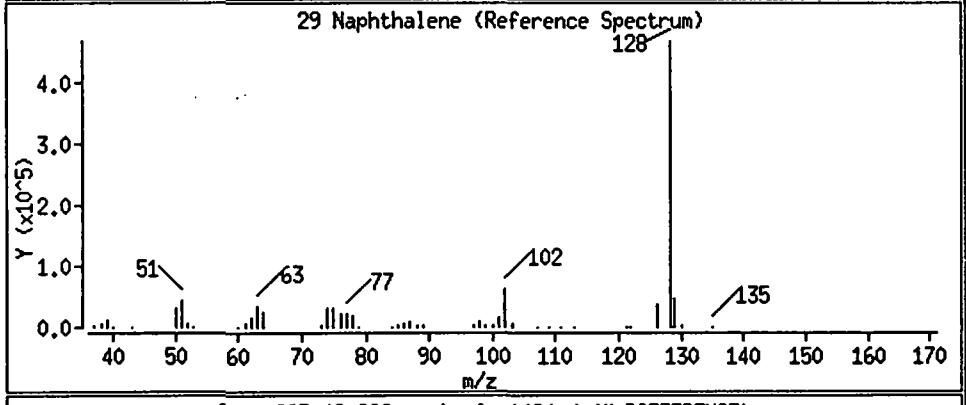
Column phase: hp-5MS

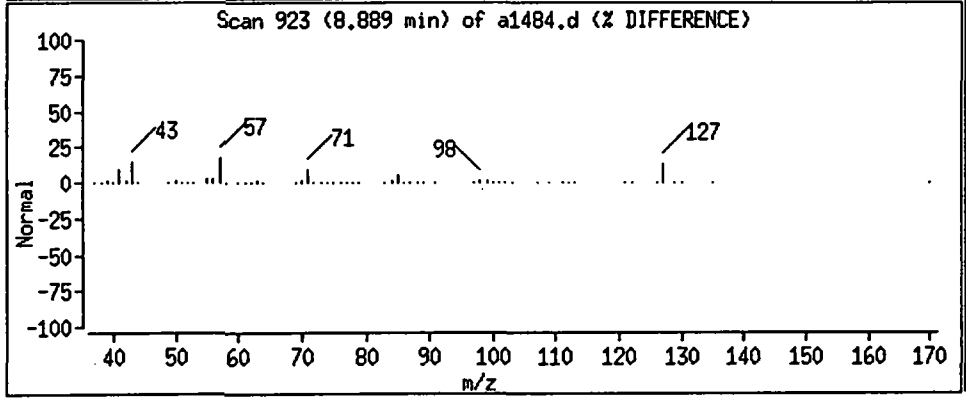
Column diameter: 0.25

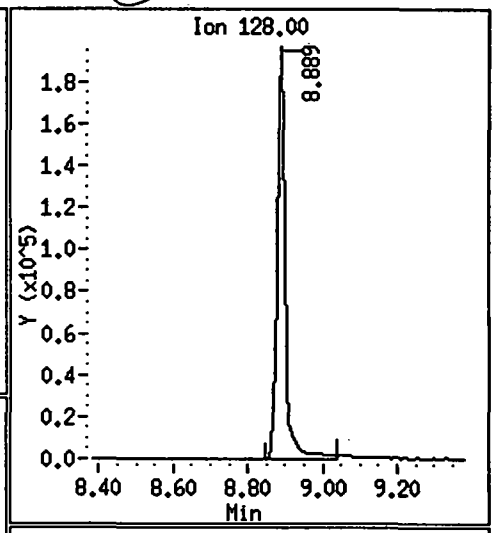
29 Naphthalene

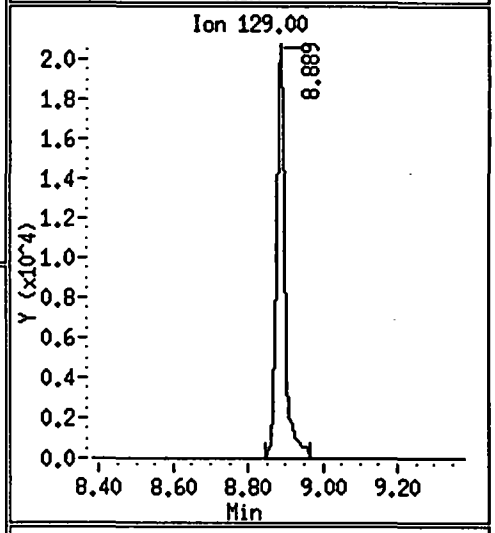


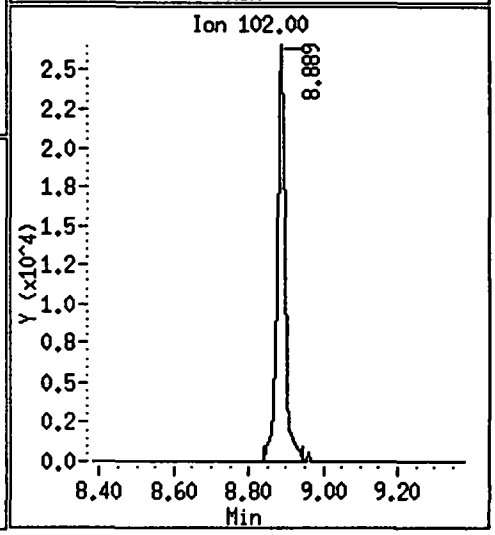












Data File: /uplcsdisk2/hp72a.i/090694.b/a1484.d

Date : 06-SEP-1994 20:01

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/082634MSD-36

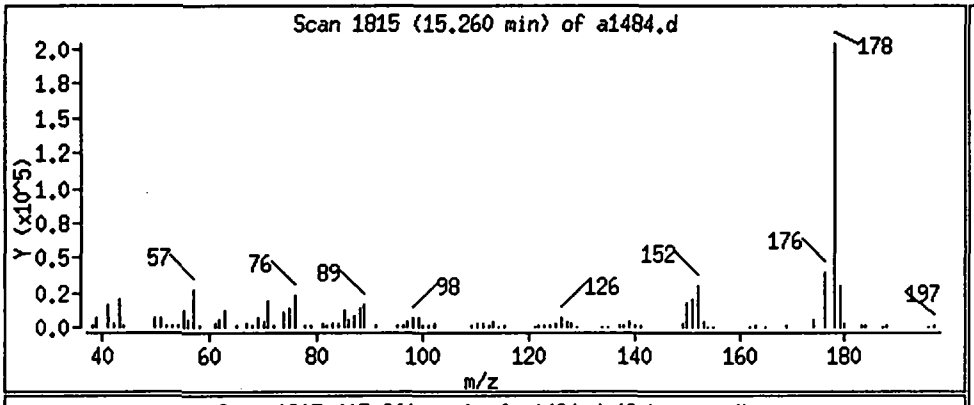
Volume Injected (uL): 1.0

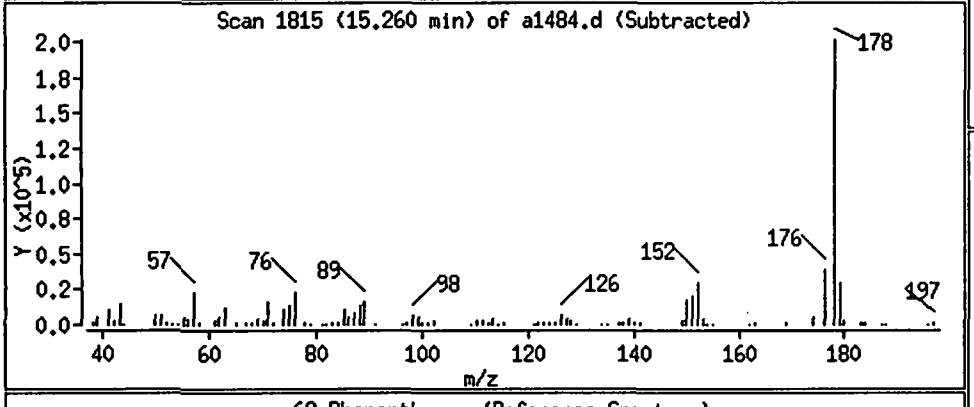
Operator:

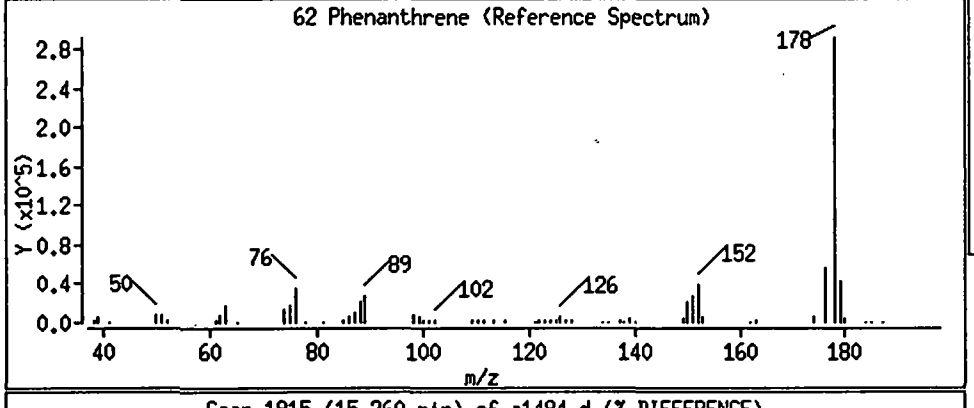
Column phase: hp-5MS

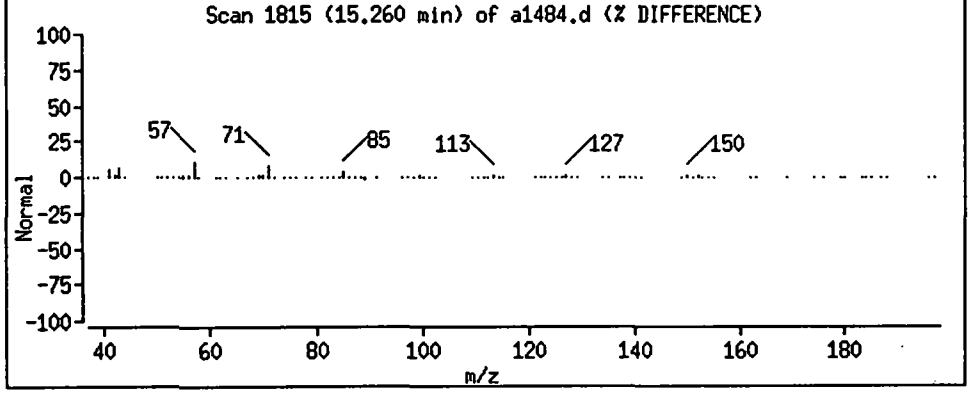
Column diameter: 0.25

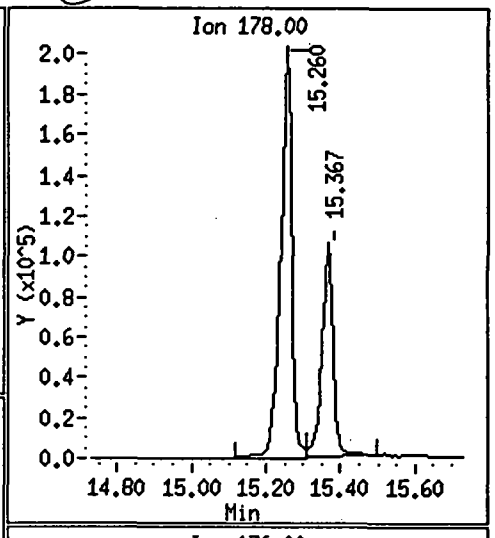
62 Phenanthrene

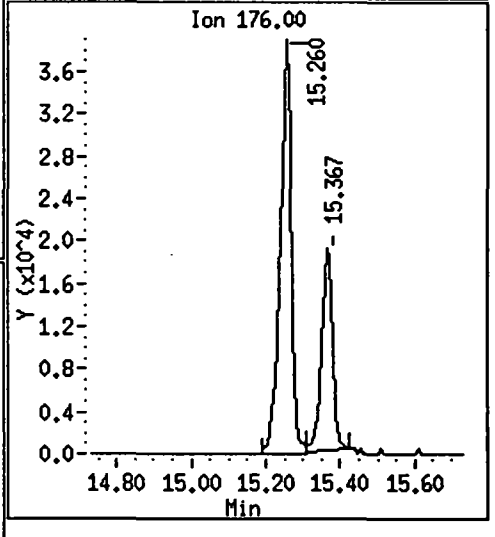












Data File: /wplcsdisk2/hp72a.i/090694.b/a1484.d

Date : 06-SEP-1994 20:01

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:400/S-2/082634MSD-36

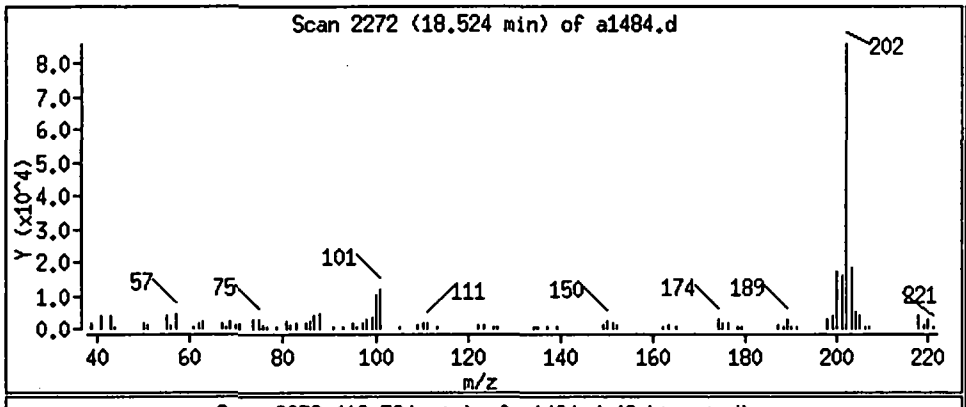
Volume Injected (uL): 1.0

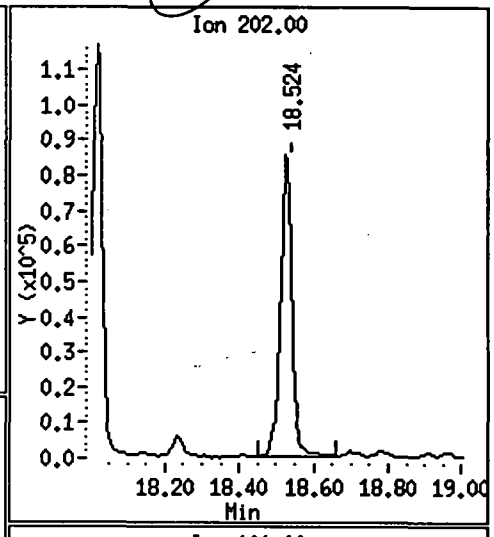
Operator:

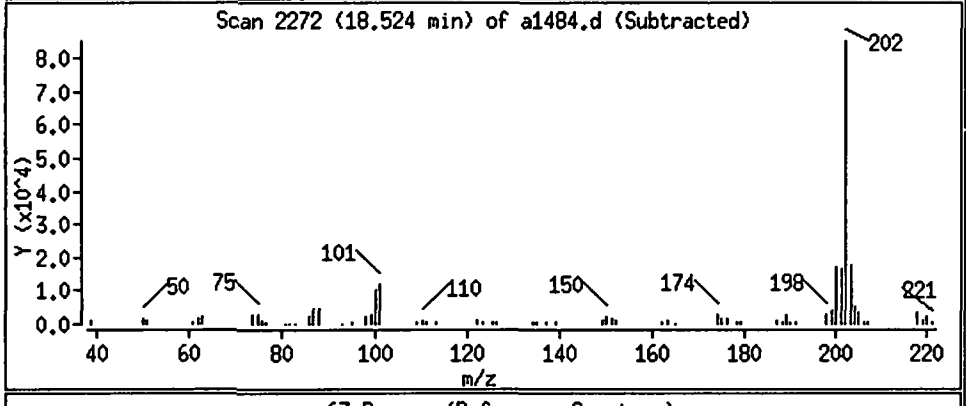
Column phase: hp-5MS

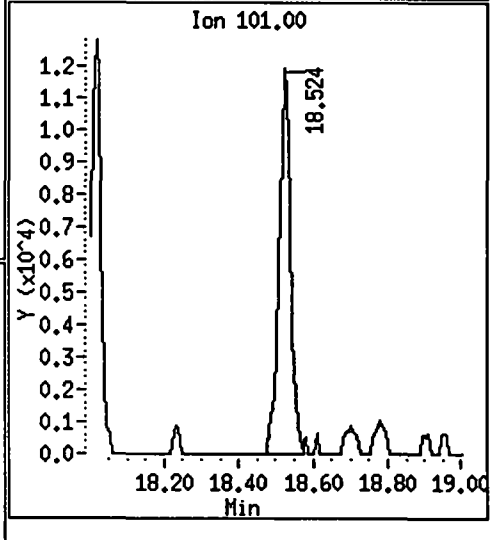
Column diameter: 0.25

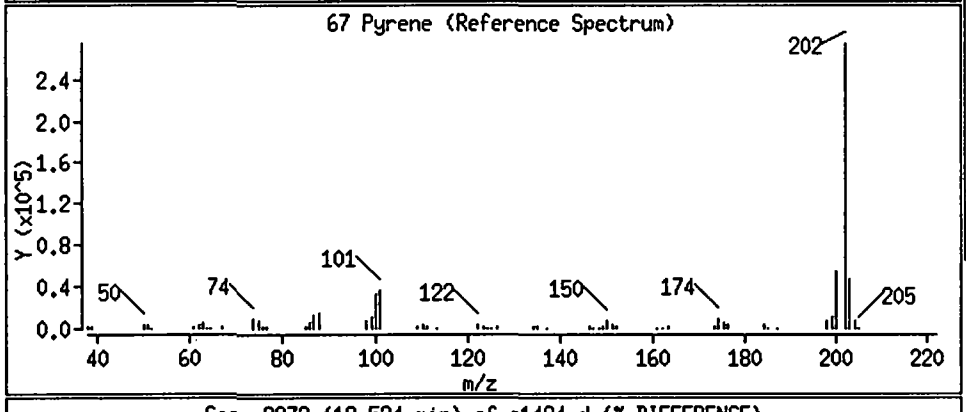
67 Pyrene

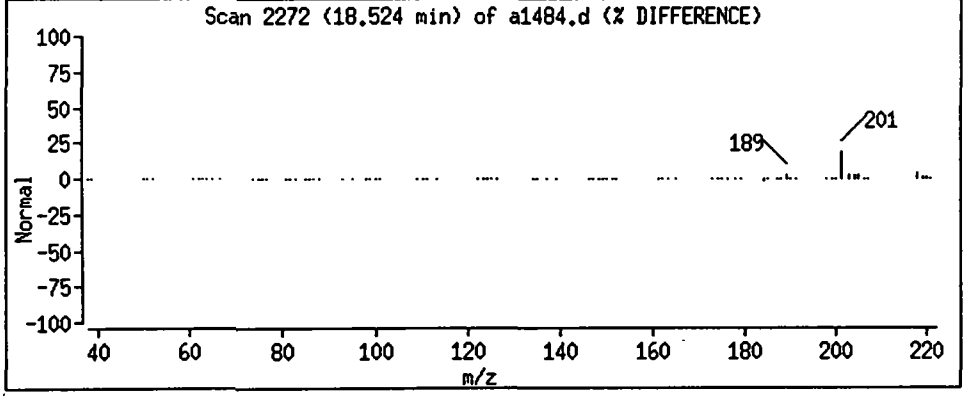












Data File: /wplcsdisk2/hp72a.i/090594.b/a1462.d

Date : 05-SEP-1994 21:51

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-50MS-51

Volume Injected (uL): 1.0

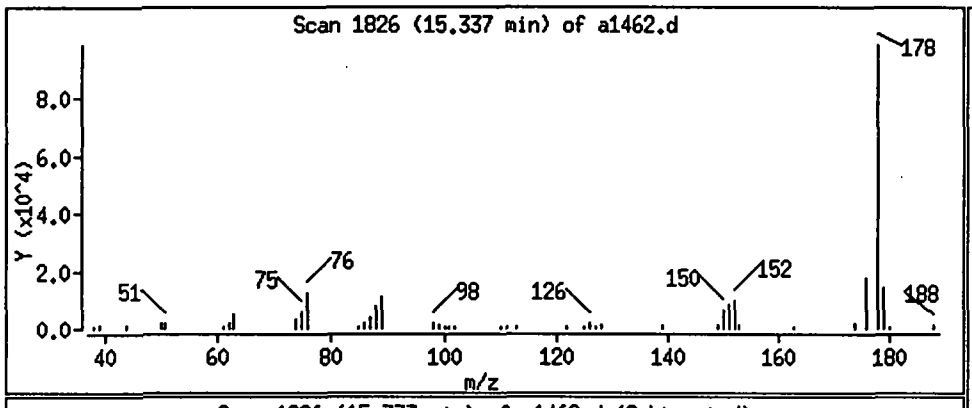
Operator:

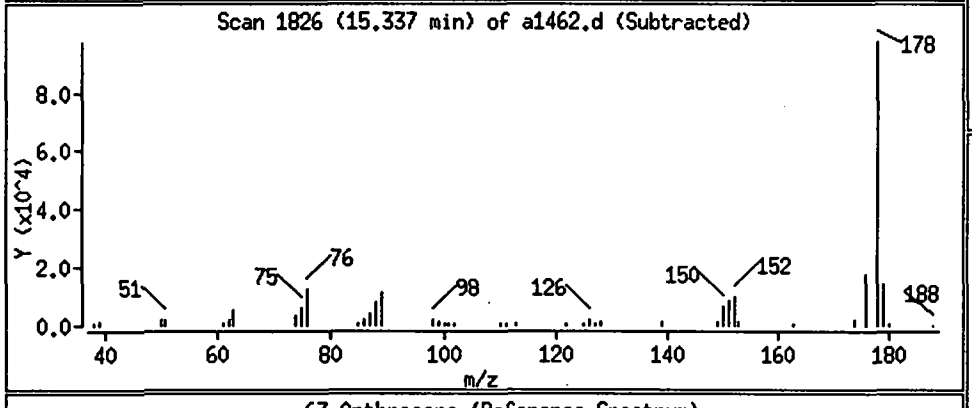
Column phase: hp-5MS

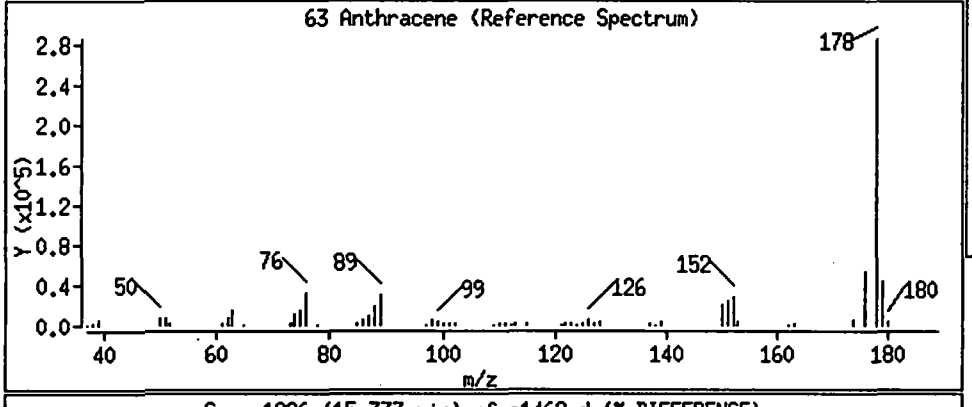
Column diameter: 0.25

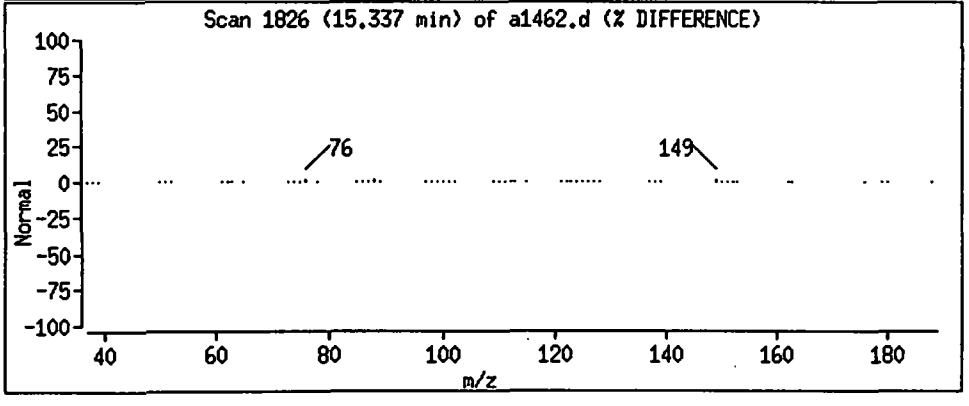
OK AER

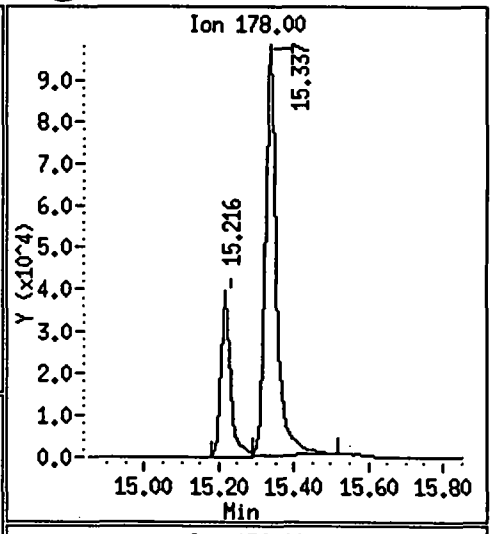
63 Anthracene

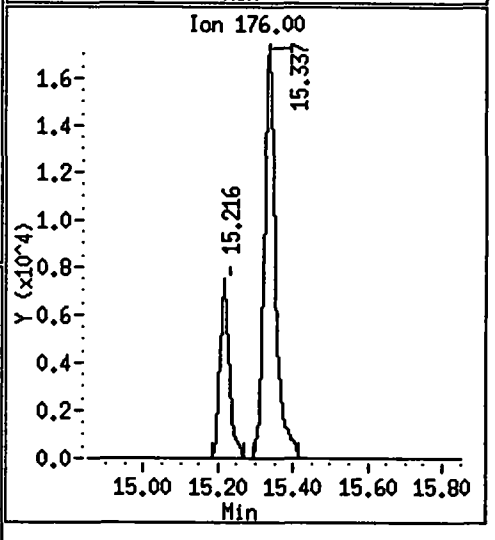












Data File: /wplcsdisk2/hp72a.i/090594.b/a1463.d

Date : 05-SEP-1994 22:28

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-50MSD-52

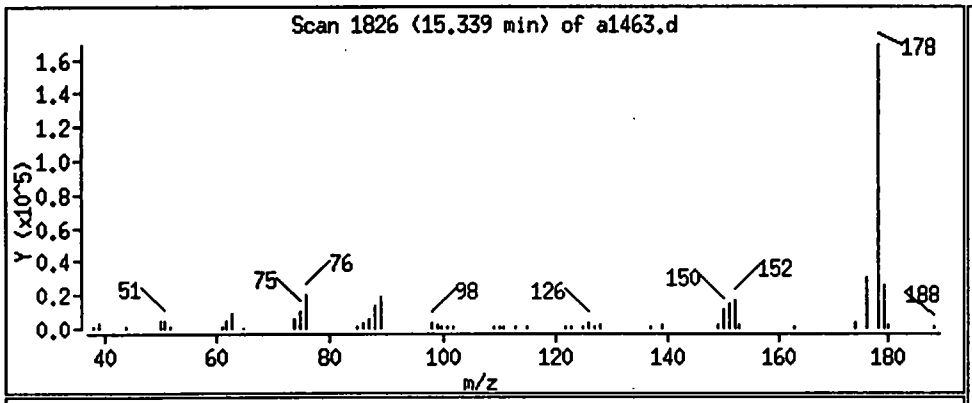
Volume Injected (uL): 1.0

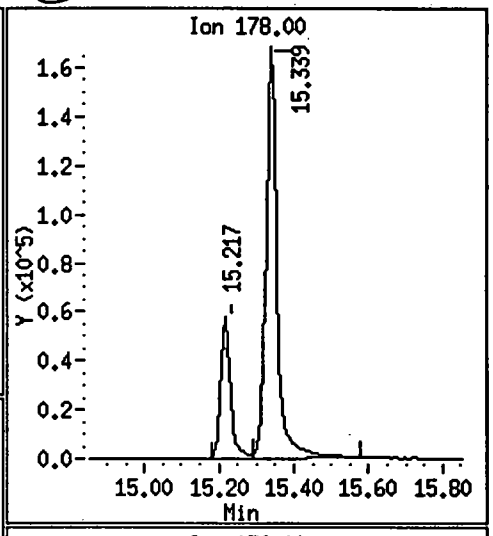
Operator:

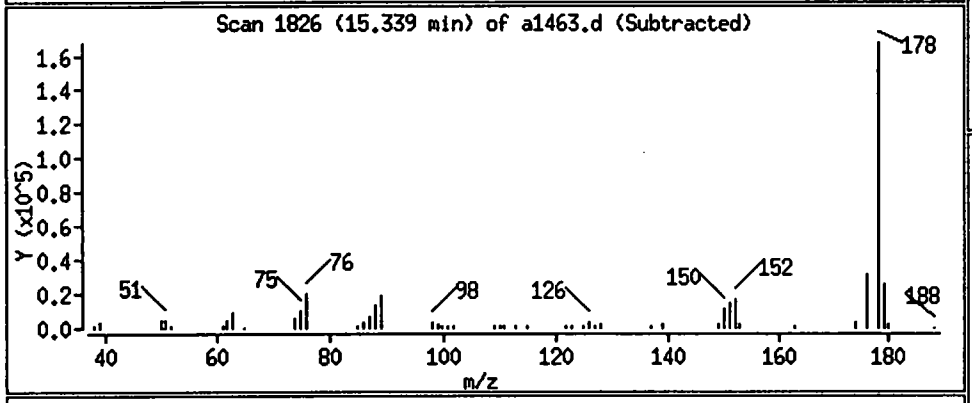
Column phase: hp-5MS

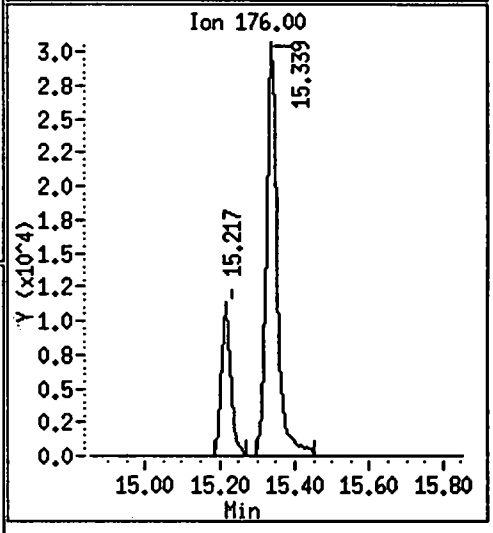
Column diameter: 0.25

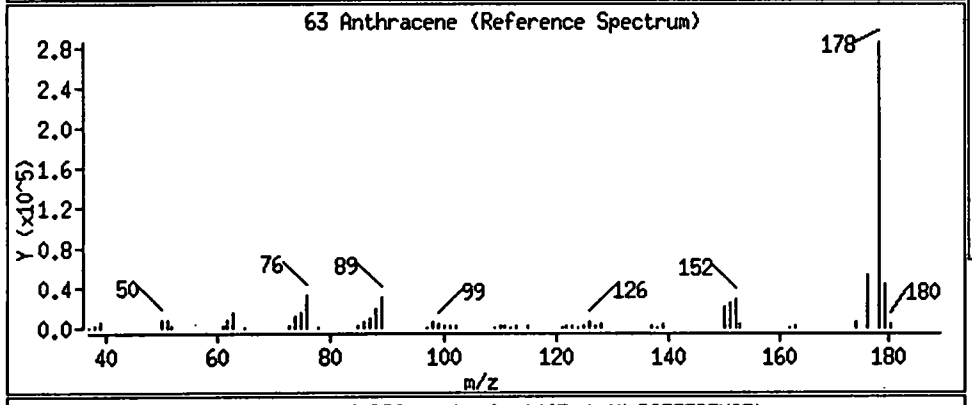
63 Anthracene

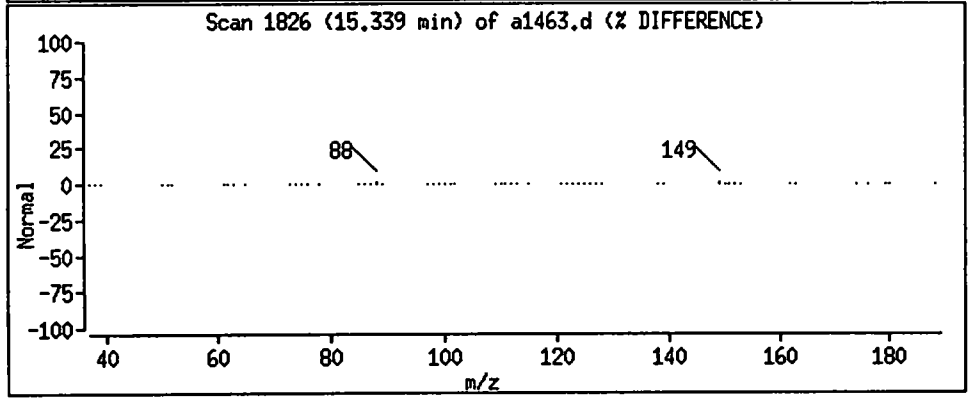












Data File: /wplcsdisk2/hp72a.i/090594.b/a1463.d

Date : 05-SEP-1994 22:28

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-50MSD-52

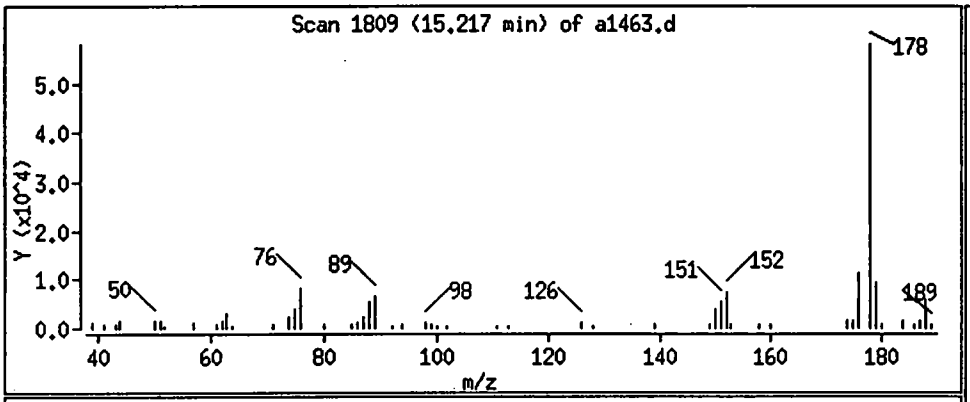
Volume Injected (uL): 1.0

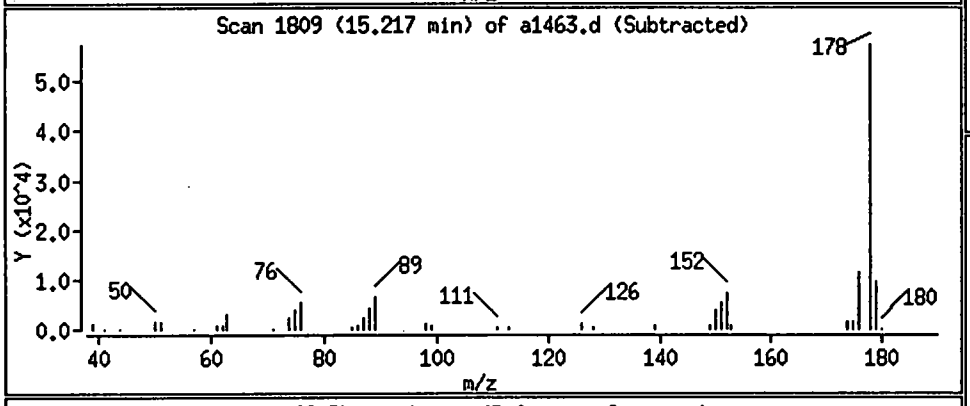
Operator:

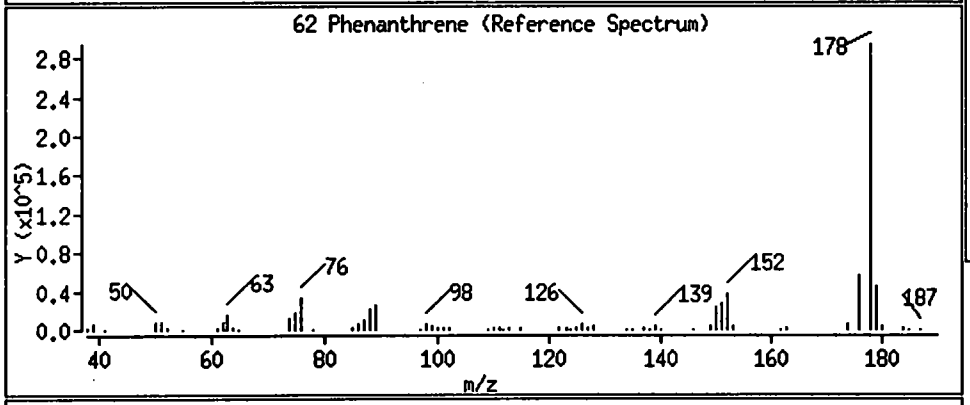
Column phase: hp-5MS

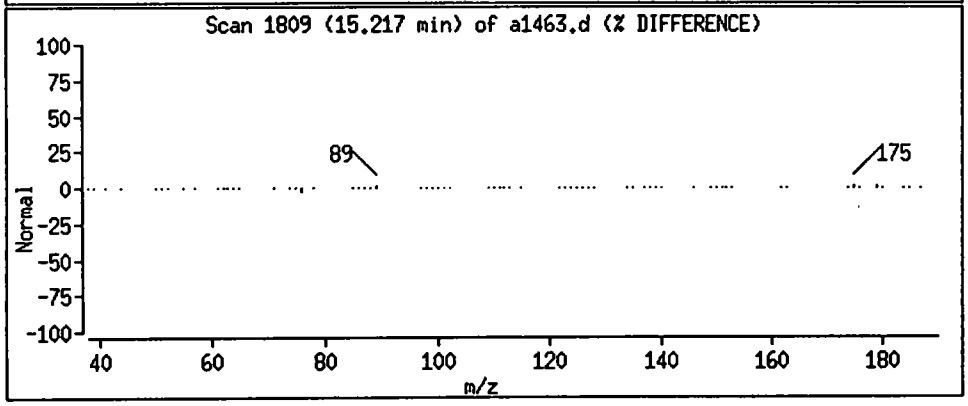
Column diameter: 0.25

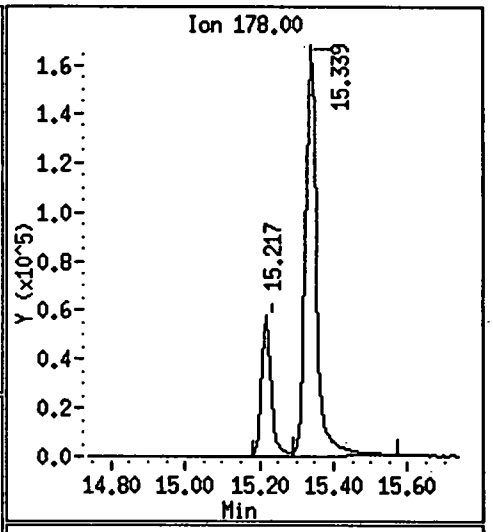
62 Phenanthrene

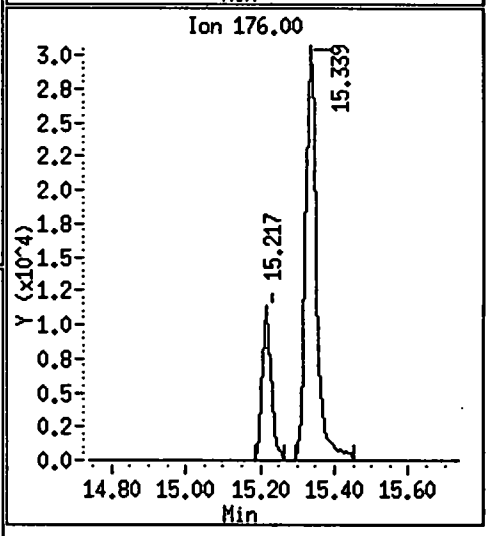












Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

ANALYTICAL RESULTS FOR SAMPLES TESTED BY

INCHCAPE TESTING SERVICES

ENVIRONMENTAL LABORATORIES

BATON ROUGE

PART 2 OF 2

REPORT TO: PRC ENVIRONMENTAL MGMT/DALLAS
1 DALLAS CENTER
350 N ST PAUL ST, STE 2600
DALLAS , TX 75201

ATTENTION: MR LUIS VEGA
CLIENT ID: 2291
GROUP NO : 9403016

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260030
CLIENT ID : SBA-01
SAMPLE DATE: 08/24/94
SAMPLE TIME: 12:50

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/09/94 METHOD: 8240
ANALYSIS TIME: 12:37 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		0.64	125	0.625
Bromoform	<	DL	125	0.625
Carbon tetrachloride	<	DL	125	0.625
Chlorobenzene	<	DL	125	0.625
Chlorodibromomethane	<	DL	125	0.625
Chloroethane	<	DL	125	0.625
2-Chloroethylvinyl ether	<	DL	125	0.625
Chloroform	<	DL	125	0.625
1,2-Dichlorobenzene	<	DL	125	0.625
1,4-Dichlorobenzene	<	DL	125	0.625
1,3-Dichlorobenzene	<	DL	125	0.625
Dichlorobromomethane	<	DL	125	0.625
1,1-Dichloroethane	<	DL	125	0.625
1,2-Dichloroethane	<	DL	125	0.625
1,1-Dichloroethene	<	DL	125	0.625
trans-1,2-Dichloroethene	<	DL	125	0.625
1,2-Dichloropropane	<	DL	125	0.625
1,3-Dichloropropylene	<	DL	125	0.625
trans-1,3-Dichloropropene	<	DL	125	0.625
Ethylbenzene		0.63	125	0.625
Methyl bromide	<	DL	125	0.625
Methyl chloride	<	DL	125	0.625
Methylene chloride	<	DL	125	0.625
1,1,2,2-Tetrachloroethane	<	DL	125	0.625
Tetrachloroethene	<	DL	125	0.625
Toluene		1010.	125	0.625
1,1,1-Trichloroethane	<	DL	125	0.625
1,1,2-Trichloroethane	<	DL	125	0.625
Trichloroethene	<	DL	125	0.625
Trichlorofluoromethane	<	DL	125	0.625
Vinyl chloride	<	DL	125	0.625
Total Xylene		8.70	125	0.625

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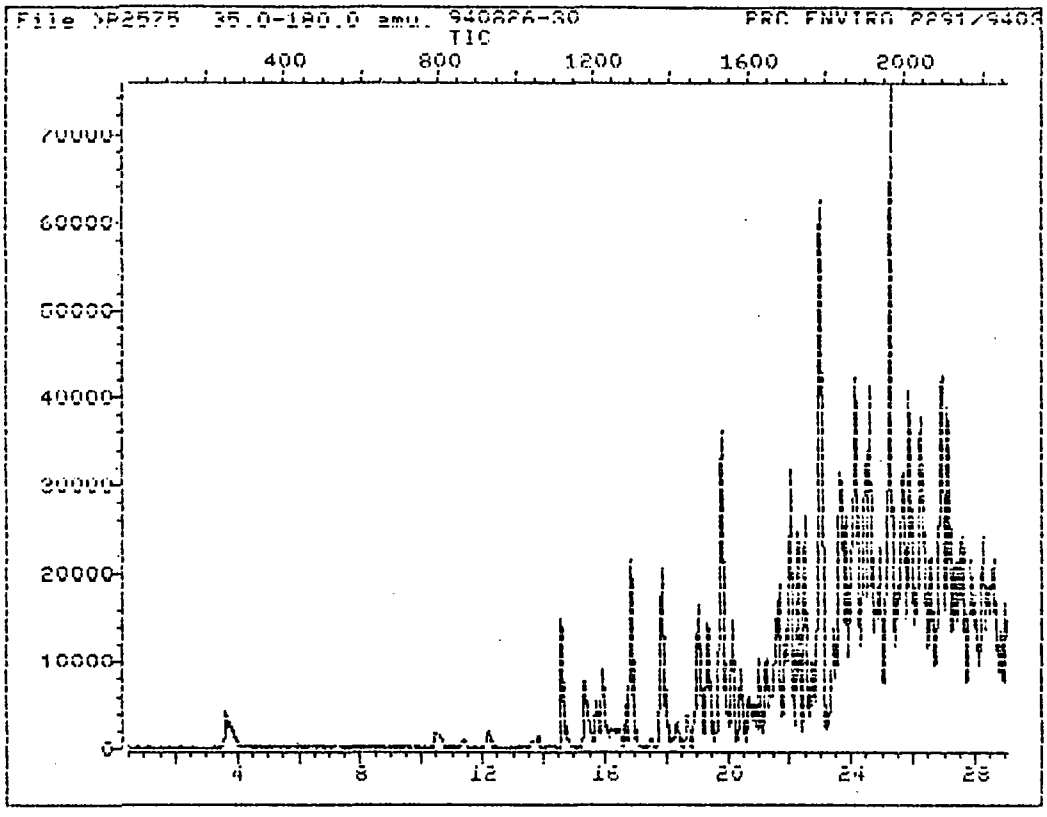
TOTAL ION CHROMATOGRAM



Data File: >P2575::A5 Quant Output File: ^P2575::D1
Name: 940826-30
Misc: PRC ENVIRO 2291/9403016/1250L/JS

Id File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940909 12:22

Operator ID: BUBBA
Quant Time: 940909 13:07
Injected at: 940909 12:37

QUANT REPORT

Operator ID: BURBA Quant Rev: 6 Quant Time: 940909 13:07
Output File: ^P25/5::D1 Injected at: 940909 12:37
Data File: >P25/5::A5 Dilution Factor: 125.0000
Name: 940826-30
Misc: PRC ENVIRO 2291/940830I6/125DL/JS

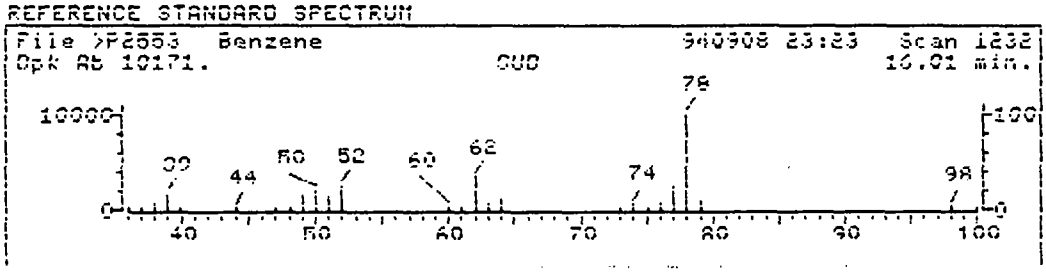
ID File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940909 12:22

625

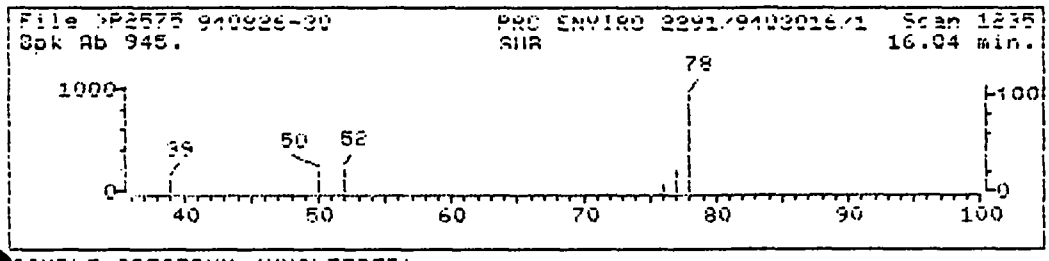
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.59	1120	11413	50.00	PPB	73
11)	Methylene chloride	10.44	791	2014	~~439.92~~	PPB	81
18)	Chloroform	14.79	1136	910	~~128.75~~	PPB	91
20)	*1,4-DIFLUOROBENZENE	16.85	1299	50576	50.00	PPB	88
22)	1,2-DICHLOROETHANE-D4	15.98	1224	19645	6250.84 100	PPB	82
24)	Benzene	16.04	1235	5910	637.20	PPB	100
30)	4-Methyl-2-pentanone	19.27	1530	~~4200~~	1415.52	PPB	60
31)	TOLUENE-D8	19.29	1532	45562	6730.57 108	PPB	98
32)	Toluene	19.92	1542	9521	1010.92	PPB	89
35)	*CHLOROBENZENE-D5	22.50	1746	38615	50.00	PPB	94
38)	2-Hexanone	21.23	1646	~~8572~~	~~4965.24~~	PPB	48
40)	Chlorobenzene	22.55	1751	929	~~141.23~~	PPB	96
41)	Ethyl benzene	22.72	1764	1992	631.71	PPB	98
42)	p,m-Xylene	22.93	1780	25760M	6542.48	PPB	97
43)	o-Xylene	23.67	1839	8929	2164.25	PPB	92
46)	BROMOFLUOROBENZENE	24.60	1912	37291M	7210.25 116	PPB	68
47)	1,1,2,2-Tetrachloroethane	24.93	1938	2166	~~455.97~~	PPB	53

* Compound is ISTD

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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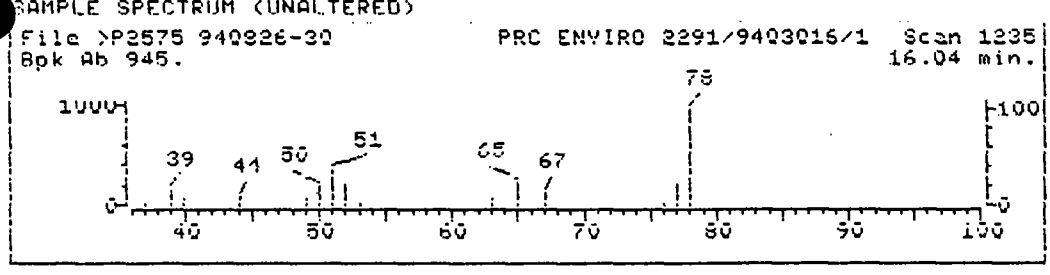
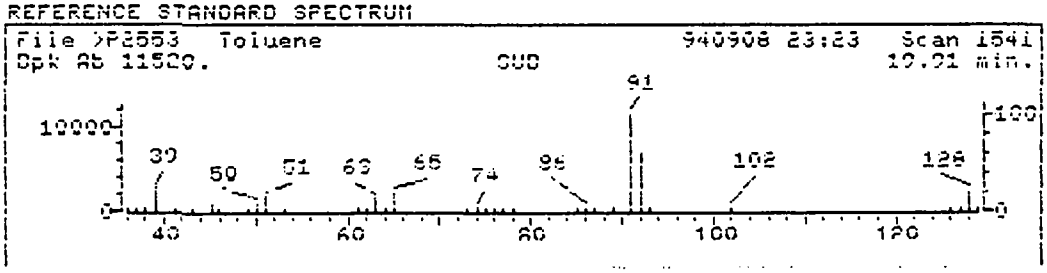


Data File: >P2575::A5 Quant Output File: ^P2575::D1
Name: 940826-30
Misc: PRC ENVIRO 2291/9403016/125DL/J5
Quant Time: 940909 13:07 Quant ID File: IDCCM1::A3
Injected at: 940909 12:37 Last Calibration: 940909 12:22

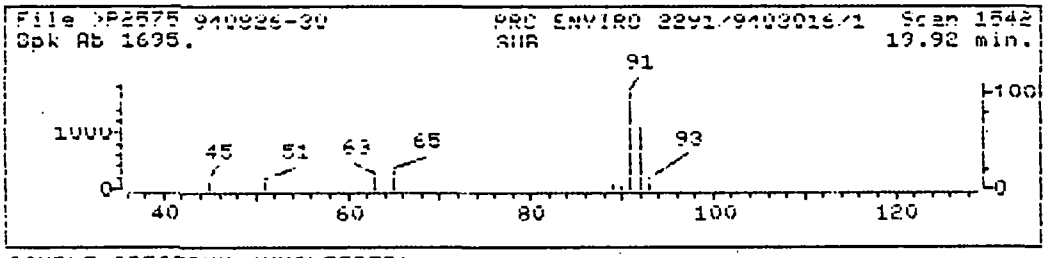
Compound No: 24
Compound Name: Benzene
Scan Number: 1235
Retention Time: 16.04 min.
Quant Ion: 78.0
Area: 5910
Concentration: 637.20 PPB
q-value: 100

REFERENCE STA
File >P2553
Bpk Ab 4140.

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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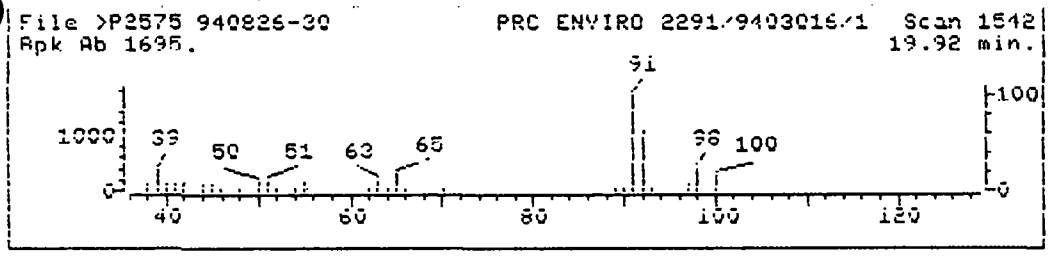
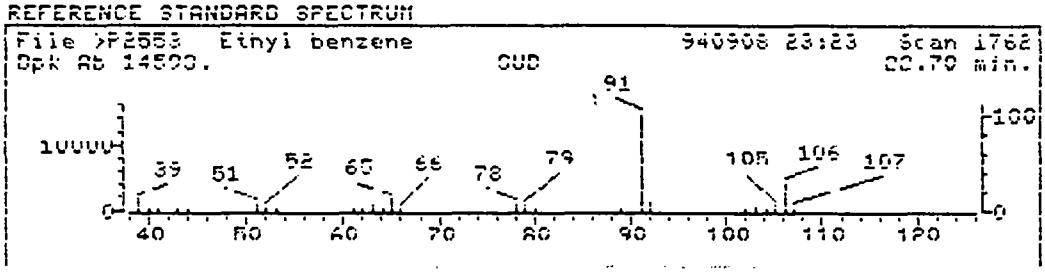


Data File: >P2575::A5 Quant Output File: ^P2575::D1
Name: 940826-30
Misc: PRC ENVIRO 2291/9403016/125DL/J5
Quant Time: 940909 13:07 Quant ID File: IDCCM1::A3
Injected at: 940909 12:37 Last Calibration: 940909 12:22

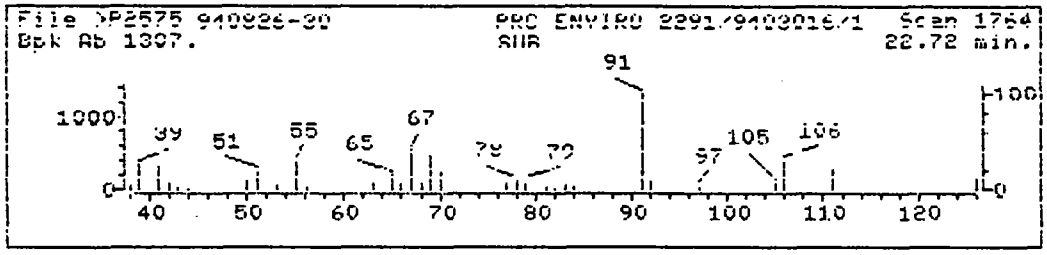
Compound No: 32
Compound Name: Toluene
Scan Number: 1542
Retention Time: 19.92 min.
Quant Ion: 91.0
Area: 9521
Concentration: 1010.92 PPB
q-value: 89

REFERENCE ST
File >P2553
Bpk Ab 11520

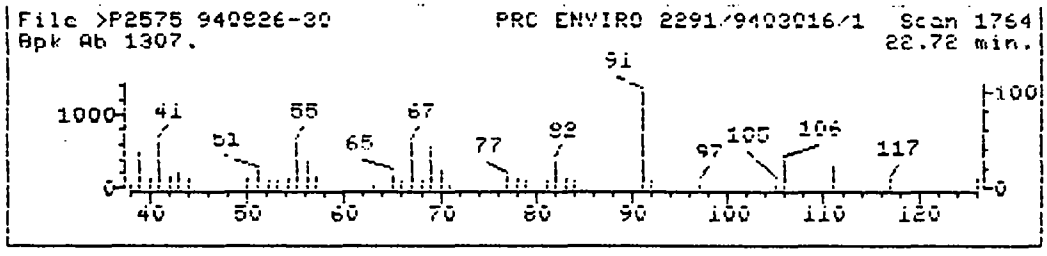
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



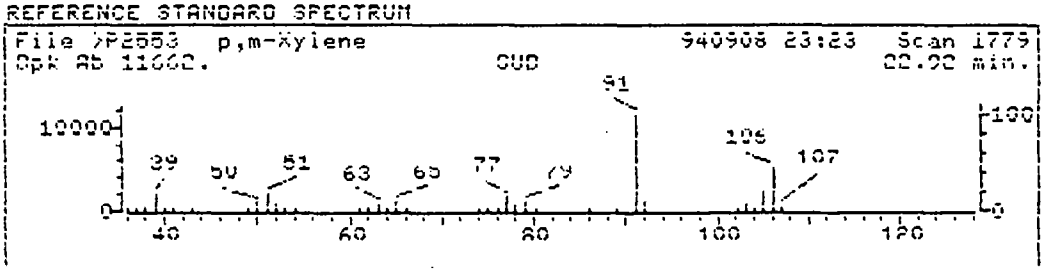
SAMPLE SPECTRUM (UNALTERED)



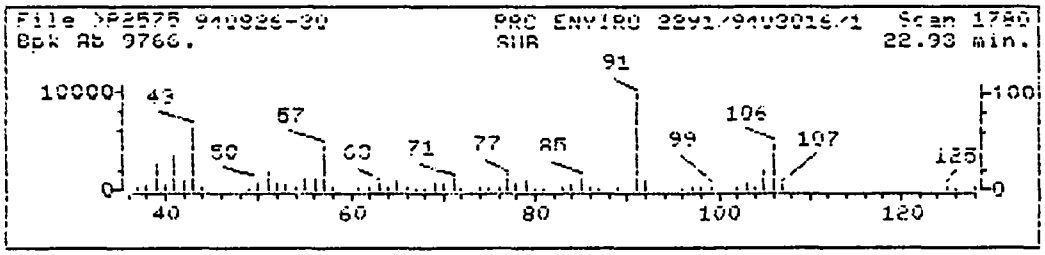
Data File: >P2575::A5 Quant Output File: ^P2575::D1
Name: 940826-30
Misc: PRC ENVIRO 2291/9403016/125DL/JS
Quant Time: 940909 13:07 Quant ID File: IDCCM1::A3
Injected at: 940909 12:37 Last Calibration: 940909 12:22

Compound No: 41
Compound Name: Ethyl benzene
Scan Number: 1764
Retention Time: 22.72 min.
Quant Ion: 106.0
Area: 1992
Concentration: 631.71 PPB
q-value: 98

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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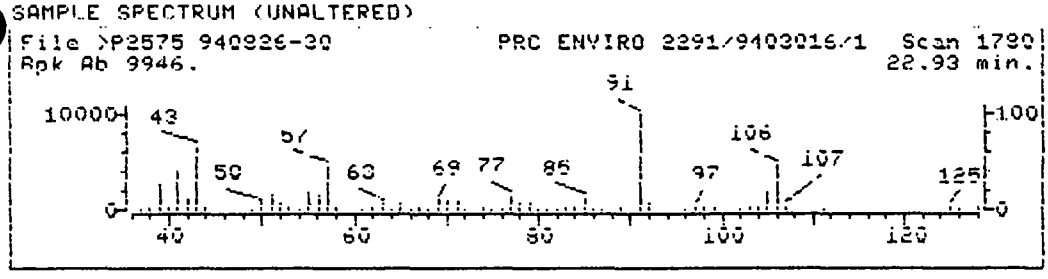
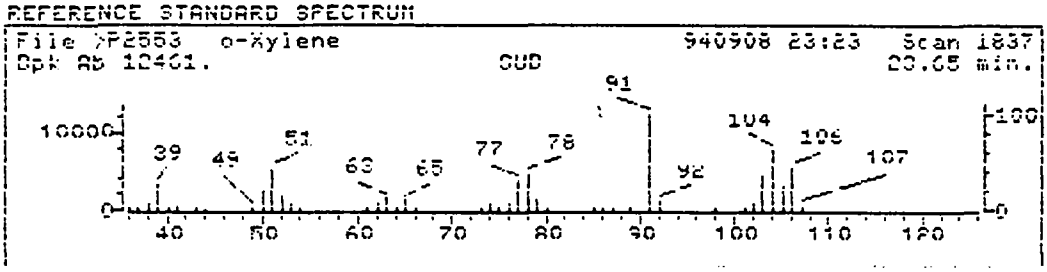


Data File: >P2575::A5 Quant Output File: ^P2575::D1
Name: 940826-30
Misc: PRC ENVIRO 2291/9403016/125DL/JS
Quant Time: 940909 13:07 Quant ID File: IDCC01::A3
Injected at: 940909 12:37 Last Calibration: 940909 12:22

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1780
Retention Time: 22.93 min.
Quant Ion: 106.0
Area: 25760M
Concentration: 6542.48 PPB
q-value: 97

REFERENCE S
File >P2553
Bpk Ab 1166

REFERENCE STANDARD SPECTRUM



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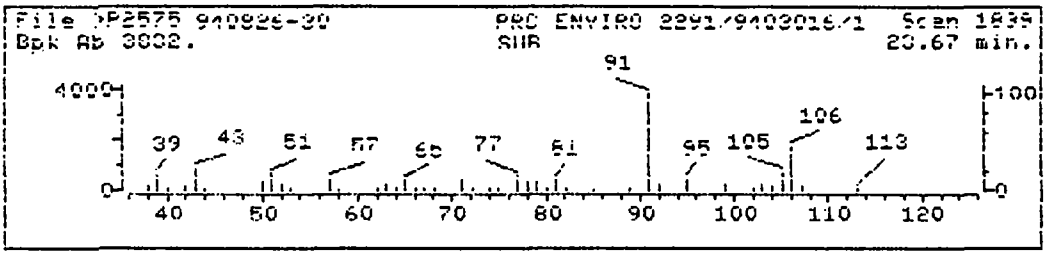
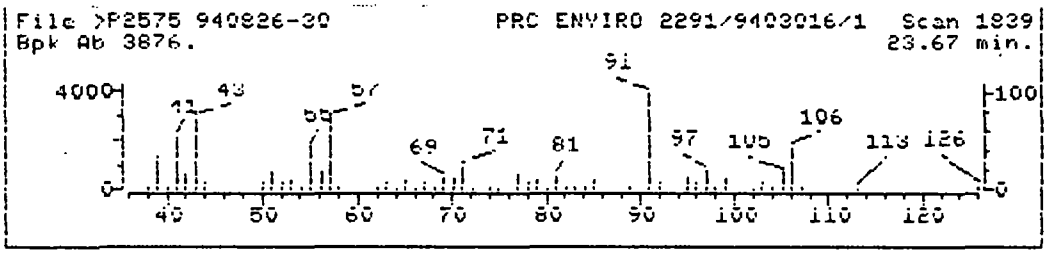


SAMPLE SPECTRUM (UNALTERED)



Data File: >P2575::A5 Quant Output File: ^P2575::D1
Name: 940826-30
Misc: PRC ENVIRO 2291/9403016/125DL/J5
Quant Time: 940909 13:07 Quant ID File: IDCCN1::A3
Injected at: 940909 12:37 Last Calibration: 940909 12:22

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1839
Retention Time: 23.67 min.
Quant Ion: 106.0
Area: 8929
Concentration: 2164.25 PPB
q-value: 92

BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

CLIENT PRC Environmental EXTRACTION DATE 08/29/94 TIME 9:00

GROUP NO. 3016 MATRIX ___ WATER / X SOIL ___ OTHER

LEVEL X LOW ___ MEDIUM

CLIENT SAMPLE ID	WEST-PAINE ID	INITIAL VOL/WT. ml %	FINAL VOLUME (ml)	INITIALS	COMMENTS	METHOD
082994	SBLK01	5.0 ml	2.0	O.L.T	6-52-2	2.0 ml
"	SPK01	5.0 ml	2.0		↓	___ LIQUID LIQUID EXTRACTION
"	SPKD01	5.0 ml	2.0		↓	
	0826-30	5.0 ml	20.0			___ SEPARATORY FUNNEL EXTRACTION
	" - 31	5.0 ml	20.0			
	" - 32	5.0 ml	20.0			
	" - 33	5.0 ml	20.0			✓ SONICATOR
	" - 34	5.0 ml	20.0			
	" - MS34	5.0 ml	20.0			___ SOXHLET
	" - MSD34	5.0 ml	20.0			
	" - 38	5.0 ml	20.0			✓ GPC CLEANUP
	" - 39	5.0 ml	20.0			
	" - 40	5.0 ml	20.0			___ SULFUR CLEANUP
	" - 41	5.0 ml	20.0			
	" - 48	5.0 ml	20.0			___ FLORISIL CLEANUP
	" - 49	5.0 ml	20.0			
	" - 50	5.0 ml	20.0			___ SILICA GEL CLEANUP
	"-MS 50	5.0 ml	20.0			
	"MSD 50	5.0 ml	20.0			
	" - 53	5.0 ml	20.0			___ PCB SULFURIC ACID CLEANUP
						ACETONE LOT NO:
						MeCL2 LOT NO.:

COMMENTS: SAMPLE PREPARATION INCLUDES DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRATION AND EVAPORATION OF SOLVENT TO FINAL VOLUME.

Samples 35-36 make MS-MSD for 34.

Samples 51-52 make MS-MSD for 50.

BNA SURROGATE ID 6-66-2 MATRIX SPIKE ID 6-65-2

VOLUME 2.0 ml VOLUME 2.0 ml

CONCENTRATION 50/100 ng/ml CONCENTRATION 50/100 ng/ml

Debbie Tillotson JR. 08/29/94

TECHNICIAN DATE

John Bailey 08/29/94

SUPERVISOR DATE

VISED 03/31/93 BNAPREP

BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

CLIENT _____ EXTRACTION DATE 082994 TIME 1030/1630

GROUP NO. _____ MATRIX ✓ WATER _____ SOIL _____ OTHER

LEVEL ✓ LOW _____ MEDIUM

CLIENT SAMPLE ID	WEST-PAINE ID	INITIAL VOL/WT. ml %	FINAL VOLUME (ml)	INITIALS	COMMENTS
	0829SBLK02	1000	1.0	JAR	
	0829SPK02	1000	1.0		
	0829SPKD02	1000	1.0		
	0826-45	500	0.5		0.5mL surr
	21	500	0.5		
	21MS	500	0.5		.5 spike
	21MSD	500	0.5		
	24	500	0.5		
	25	500	0.5		
	26	500	0.5		
	27	500	0.5		
WASTE MANS	0825-236	200	1.0		
COASTAL	0825-252	200	1.0		
PRC	0826-30	200	1.0		
	31	200	1.0		
	32	200	1.0		
	33	200	1.0		
	34	200	1.0		
	35 ~~34~~ MS	200	1.0		
	36 ~~34~~ MSD	200	1.0		
	37	200	1.0		
	38	200	1.0		
	39	200	1.0		
	40	200	1.0		
	41	200	1.0		
MONSANTO 3065	0829-87	500	0.5		1630 TIME
	93	500	0.5		EXTRACTED
	0826TBLK01	200	1.0		

METHOD

___ LIQUID LIQUID EXTRACTION

✓ SEPARATORY FUNNEL EXTRACTION

___ SONICATOR

___ SOXHLET

___ GPC CLEANUP

___ SULFUR CLEANUP

___ FLORISIL CLEANUP

___ SILICA GEL CLEANUP

___ PCB SULFURIC ACID CLEANUP

ACETONE LOT NO:

MeCL2 LOT NO.:

COMMENTS: SAMPLE PREPARATION INCLUDES DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRATION AND EVAPORATION OF SOLVENT TO FINAL VOLUME.

BNA SURROGATE ID 6-66-2 MATRIX SPIKE ID 6-65-2

VOLUME 1.0mL VOLUME 1.0mL

CONCENTRATION 50/100ug/ml CONCENTRATION 50/100ug/ml

John A. Ford 08/29/94

TECHNICIAN DATE

John Bailey 08/29/94

SUPERVISOR DATE

VISED 03/31/93 BNAPREP

BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

CLIENT _____ EXTRACTION DATE 08/30/94 TIME 9:00

GROUP NO. _____ MATRIX _____ WATER _____ SOIL ___ OTHER

LEVEL _____ LOW _____ MEDIUM

CLIENT SAMPLE ID	WEST-PAINE ID	INITIAL VOL/WT. ml g	FINAL VOLUME (ml)	INITIALS	COMMENTS
	0830SBLK01	1000	1.0	D.W.B	
	0830SPK01	1000	1.0		
	0830SPKD.01	1000	1.0		
Cecos Inter.	08290101	500	0.5		0.5 surr
NPC	08230061	500	0.5		0.5 surr
"	08290040	500	0.5		0.5 surr
	0830-TBLK	200	1.0		
PRC	0826-50	200	1.0		
"	0826-51MS	200	1.0		
"	0826-52MSD	200	1.0		
"	0826-48	200	1.0		
"	0826-49	200	1.0		
"	0826-53	200	1.0		
AFCO	0829-58	200	1.0		
Monsanto	0829-95	200	1.0		
Curtis testing	0830-07RE	200	1.0		Acid only
PC	0830-52	500	0.5		0.5 surr
"	0830-46	500	0.5		

METHOD

___ LIQUID LIQUID EXTRACTION

✓ SEPARATORY FUNNEL EXTRACTION

___ SONICATOR

___ SOXHLET

___ GPC CLEANUP

___ SULFUR CLEANUP

___ FLORISIL CLEANUP

___ SILICA GEL CLEANUP

___ PCB SULFURIC ACID CLEANUP

ACETONE LOT NO: _____

MeCL2 LOT NO.: _____

COMMENTS: SAMPLE PREPARATION INCLUDES DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRATION AND EVAPORATION OF SOLVENT TO FINAL VOLUME.

BNA SURROGATE ID 6-62-2 MATRIX SPIKE ID (625)64-1 David Barwick 08/30/94

VOLUME 1.0 VOLUME 1.0 TECHNICIAN DATE

CONCENTRATION 50/100ug/ml CONCENTRATION 100ug/ml John Bailey 08/30/94

SUPERVISOR DATE

'ISED 03/31/93 BNAPREP

Data File: /wplcsdisk2/hp72a.i/090394.b/a1435.d

Date : 03-SEP-1994 23:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-20/0826-30

Volume Injected (uL): 1.0

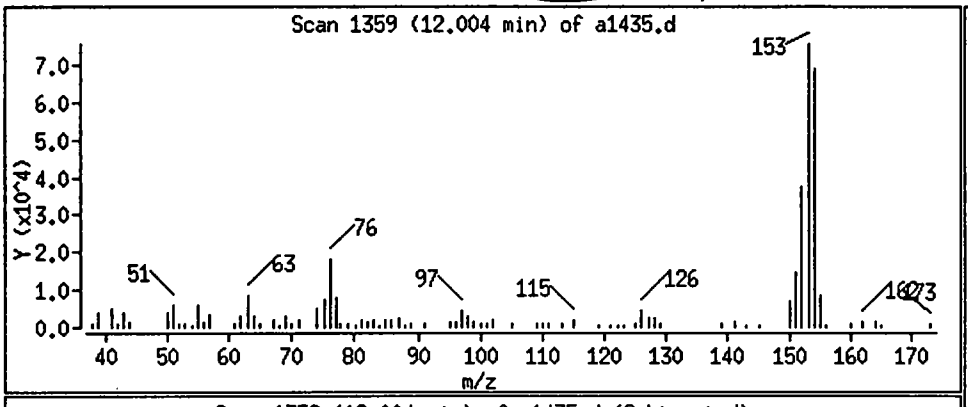
Operator:

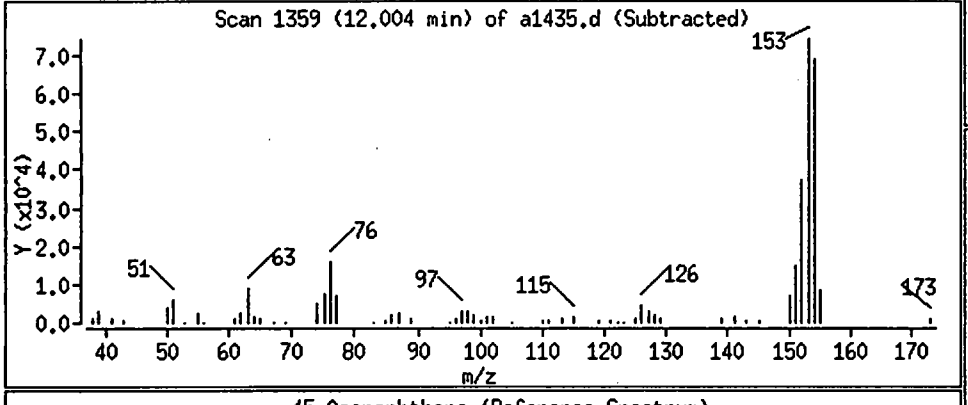
Column phase: hp-5MS

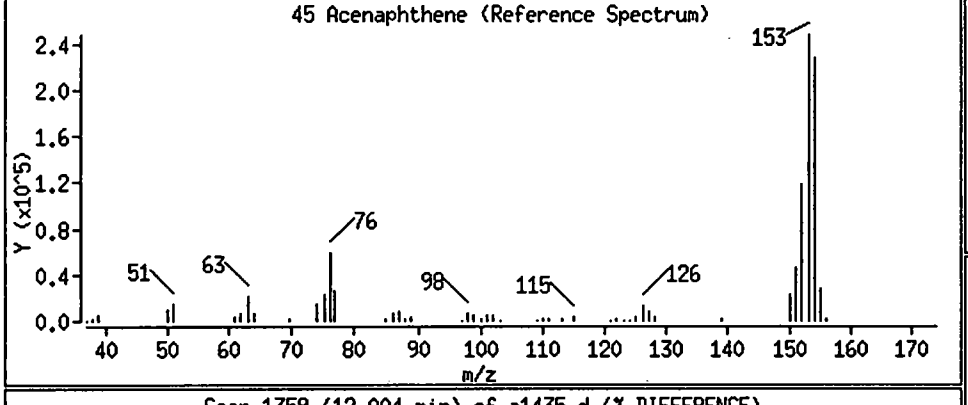
Column diameter: 0.25

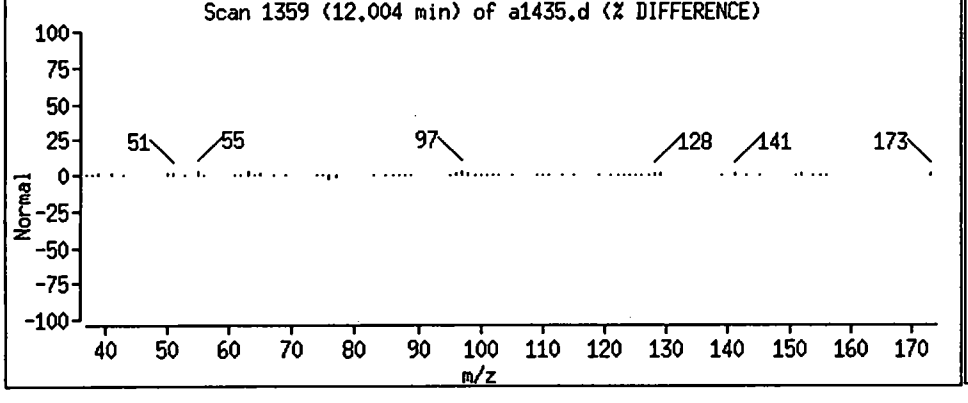
OK ARR

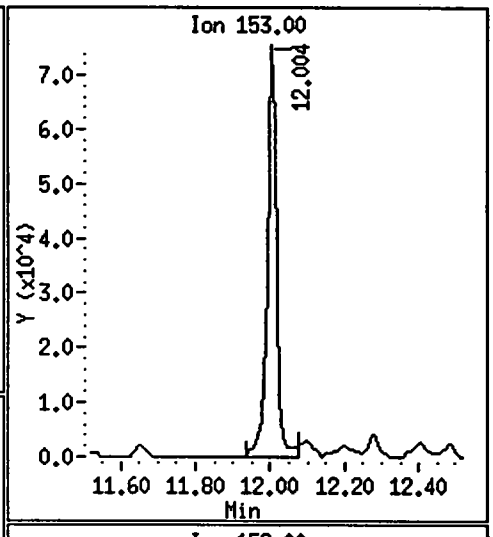
45 Acenaphthene

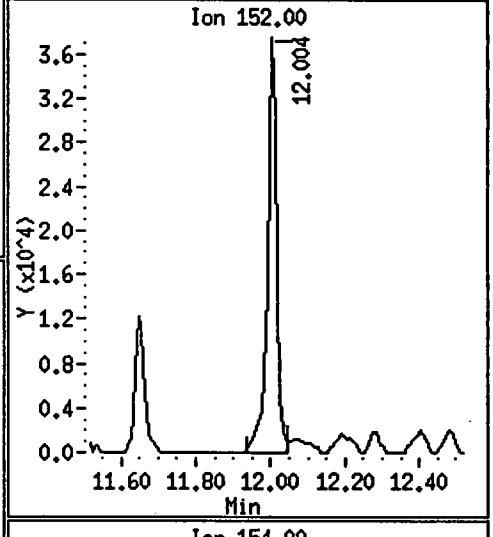


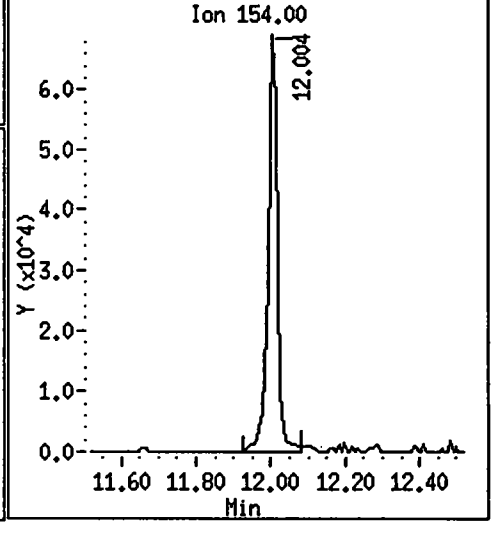












Data File: /wplcsdisk2/hp72a.i/090394.b/a1435.d

Date : 03-SEP-1994 23:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-20/0826-30

Volume Injected (uL): 1.0

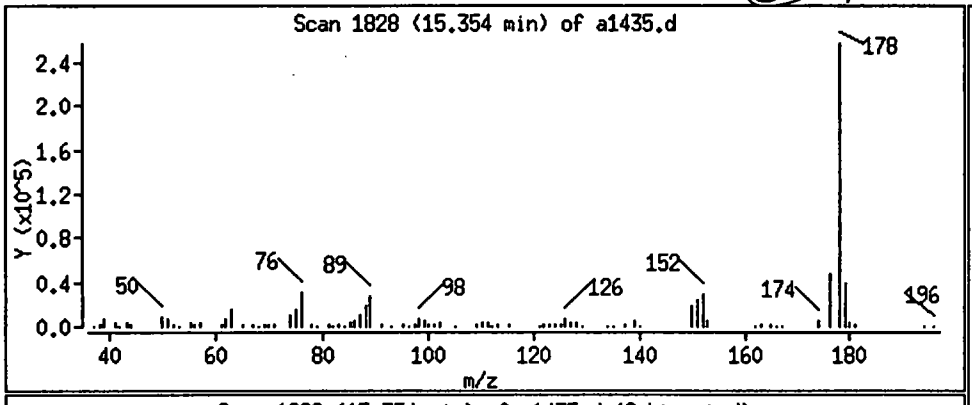
Operator:

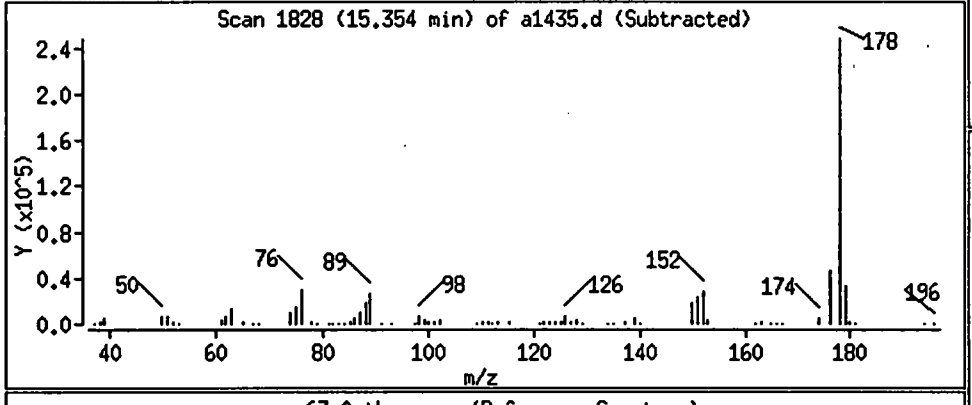
Column phase: hp-5MS

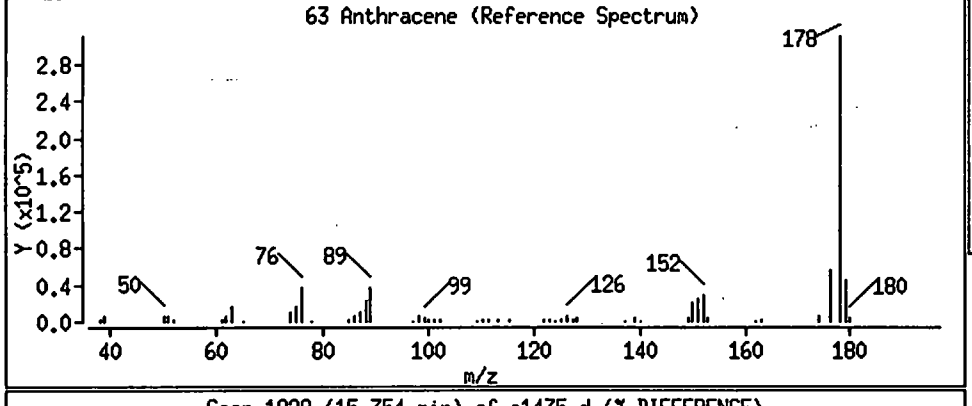
Column diameter: 0.25

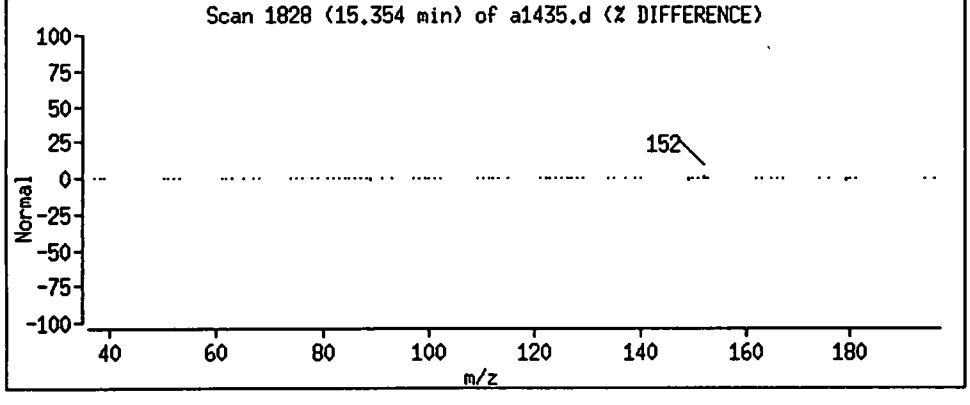
63 Anthracene

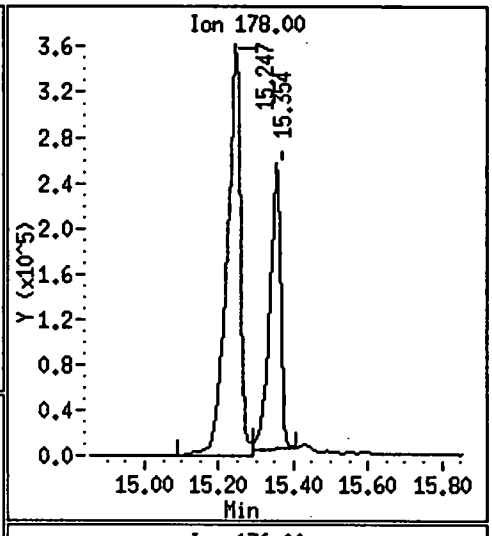
OK AER

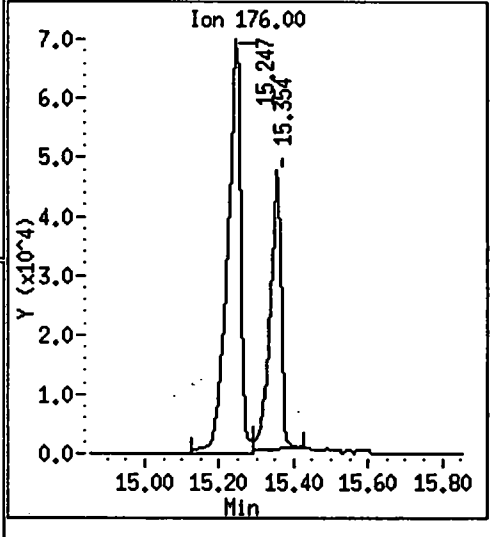












Data File: /wplcsdisk2/hp72a.i/090394.b/a1435.d

Date : 03-SEP-1994 23:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-20/0826-30

Volume Injected (uL): 1.0

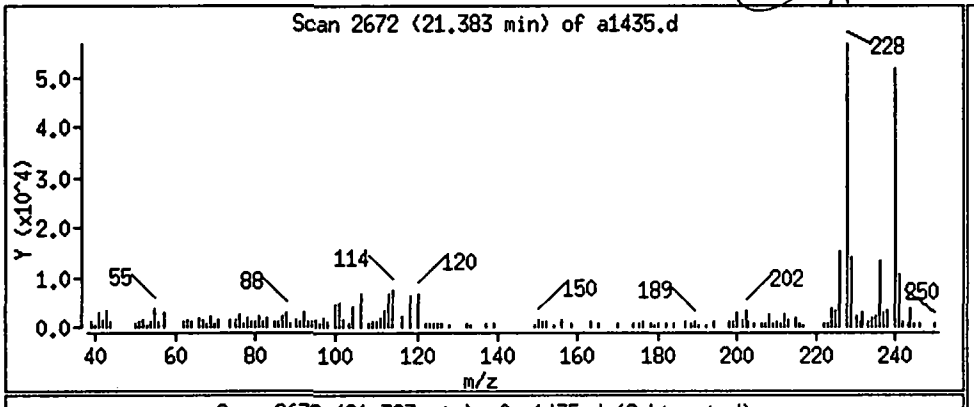
Operator:

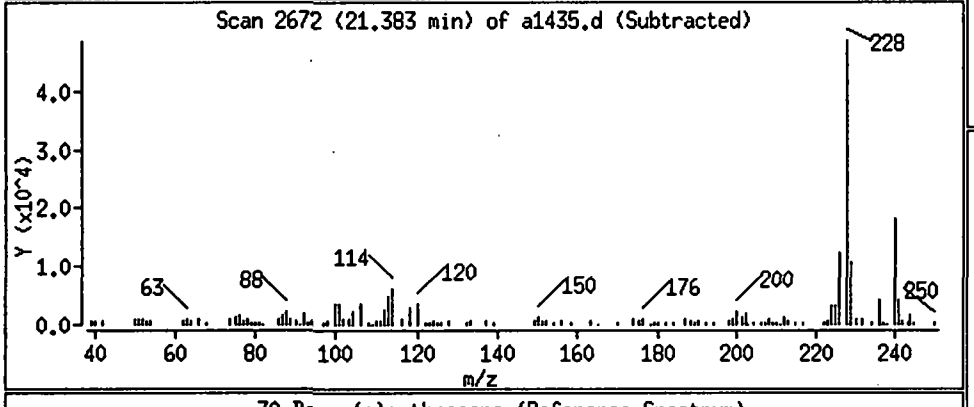
Column phase: hp-5MS

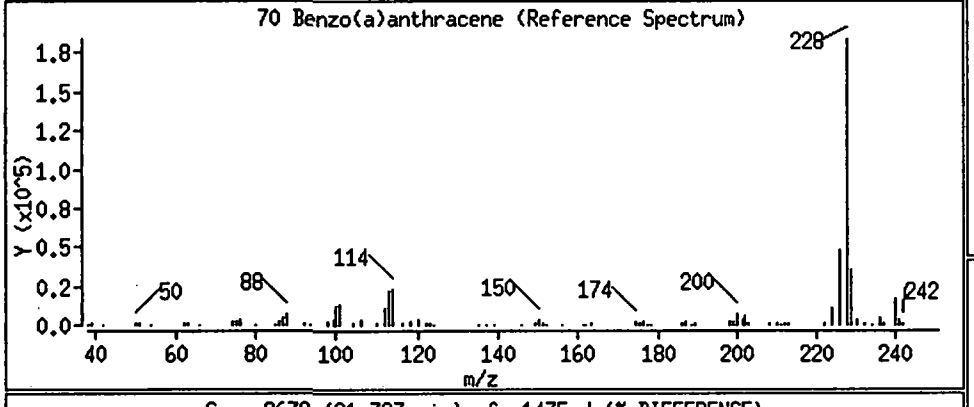
Column diameter: 0.25

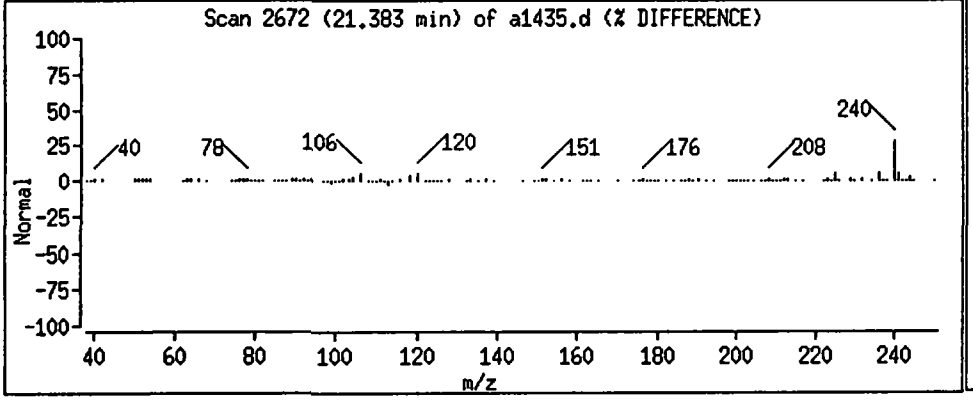
70 Benzo(a)anthracene

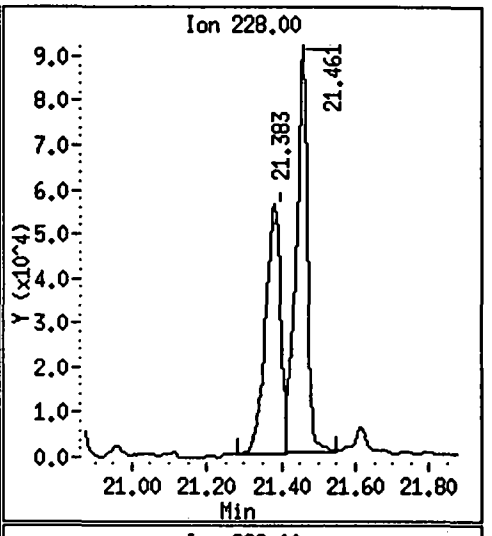
OK ARP

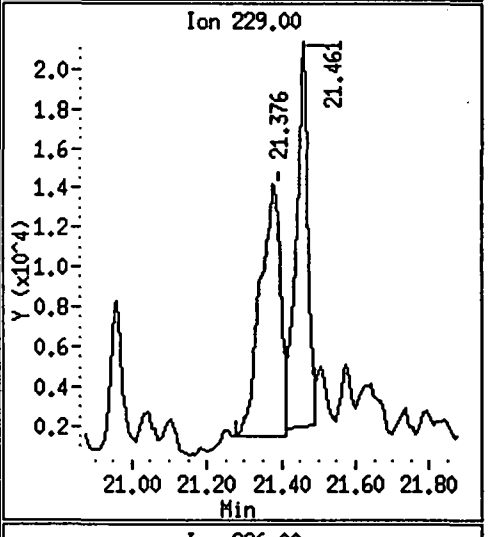


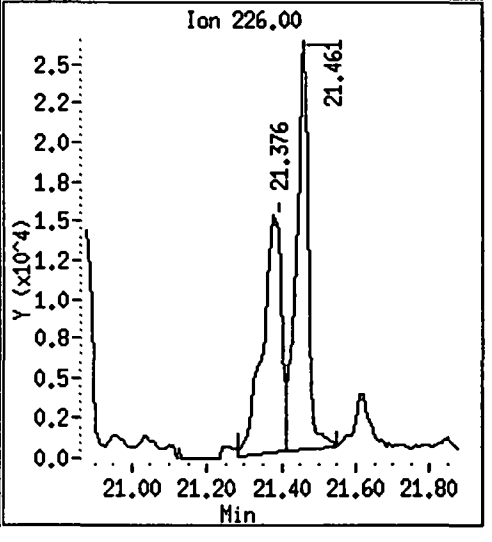












Data File: /uplcsdisk2/hp72a.i/090394.b/a1435.d

Date : 03-SEP-1994 23:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-20/0826-30

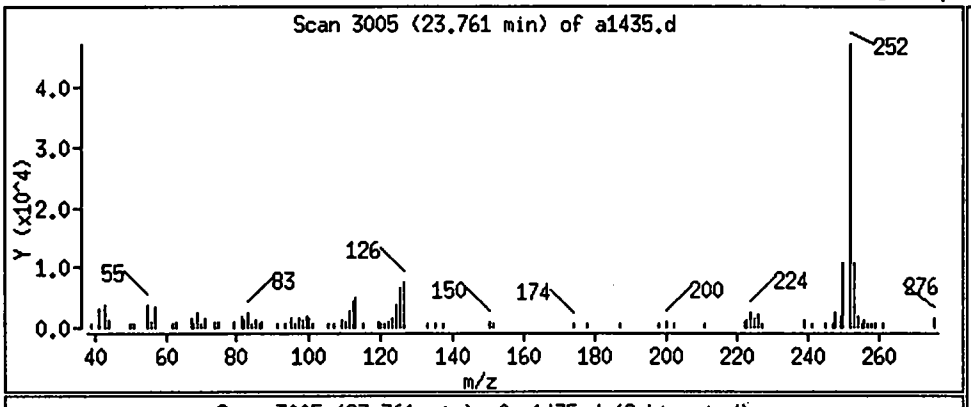
Volume Injected (uL): 1.0

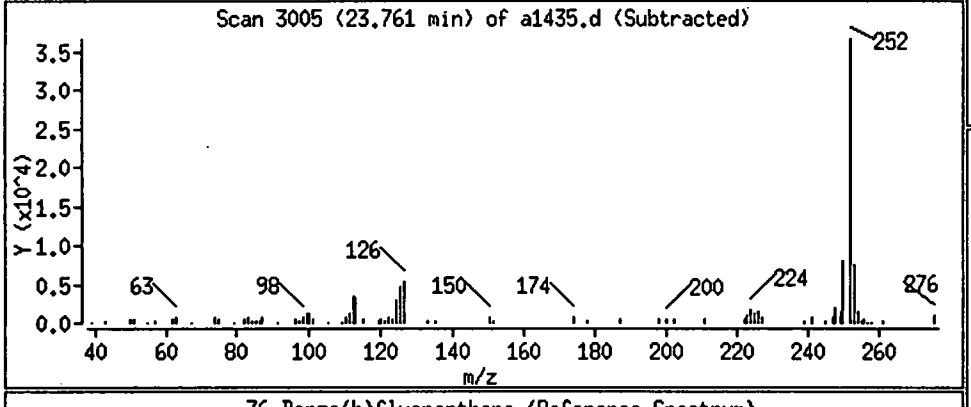
Operator:

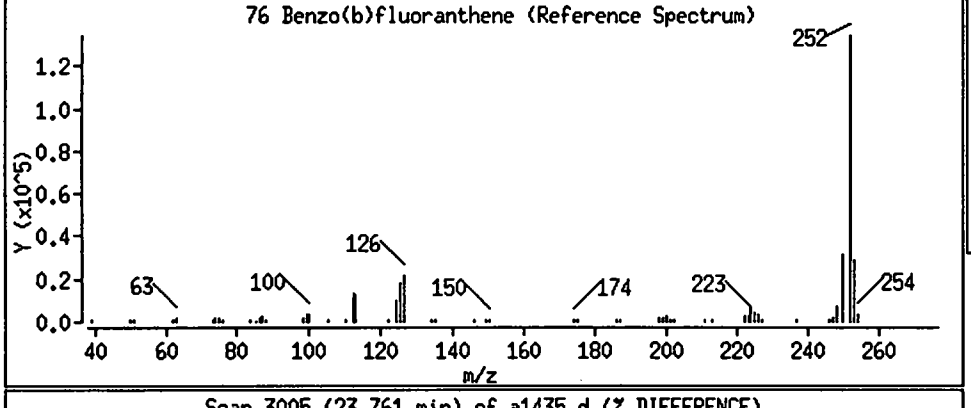
Column phase: hp-5MS

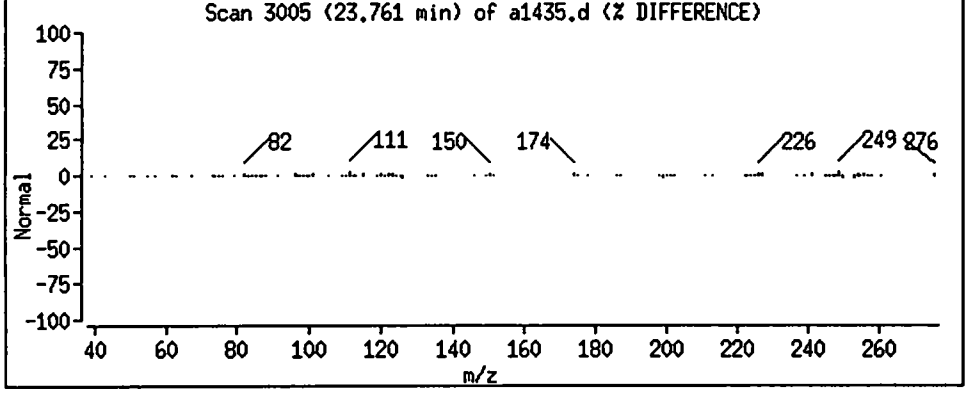
Column diameter: 0.25

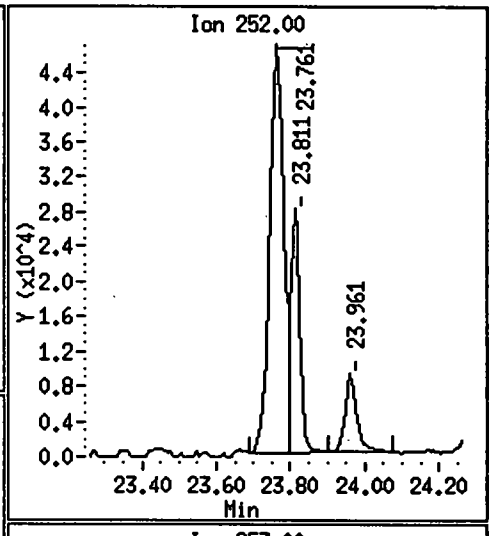
76 Benzo(b)fluoranthene

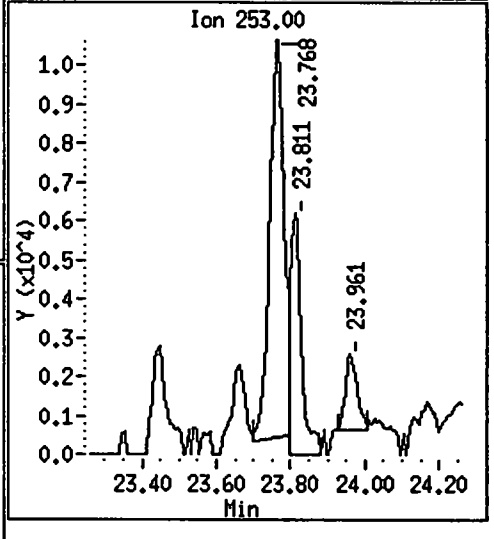












Data File: /wplcsdisk2/hp72a.i/090394.b/a1435.d

Date : 03-SEP-1994 23:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-20/0826-30

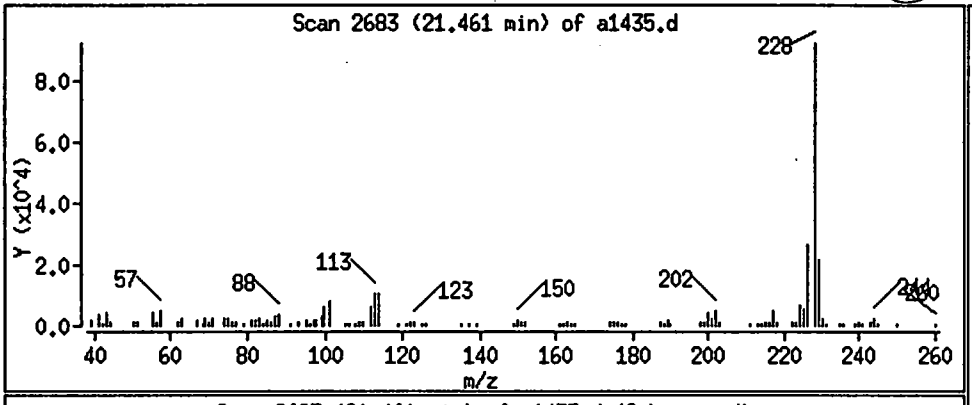
Volume Injected (uL): 1.0

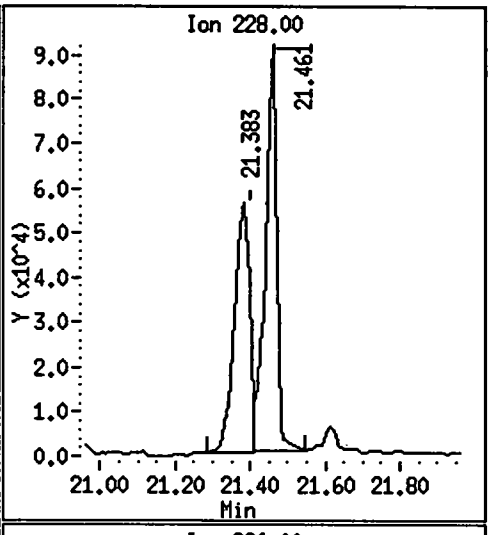
Operator:

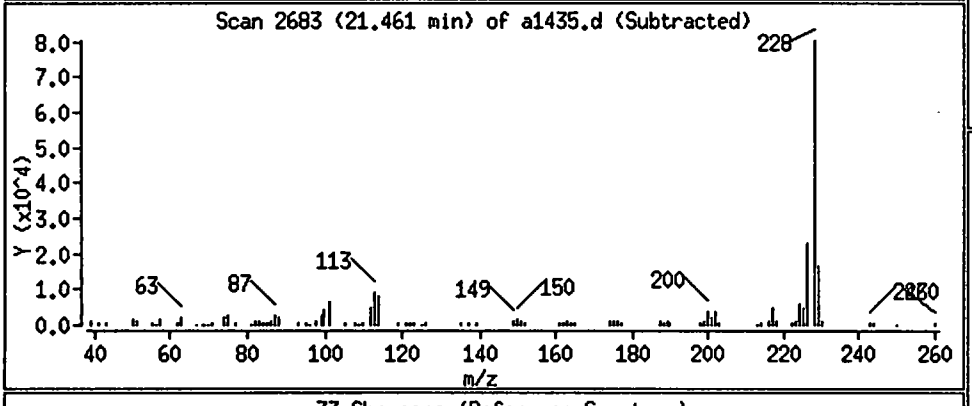
Column phase: hp-5MS

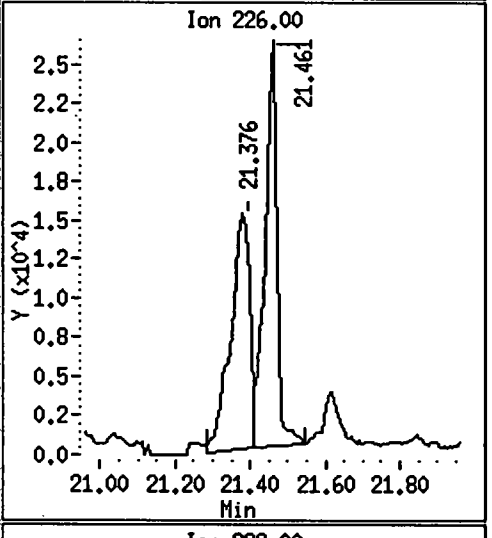
Column diameter: 0.25

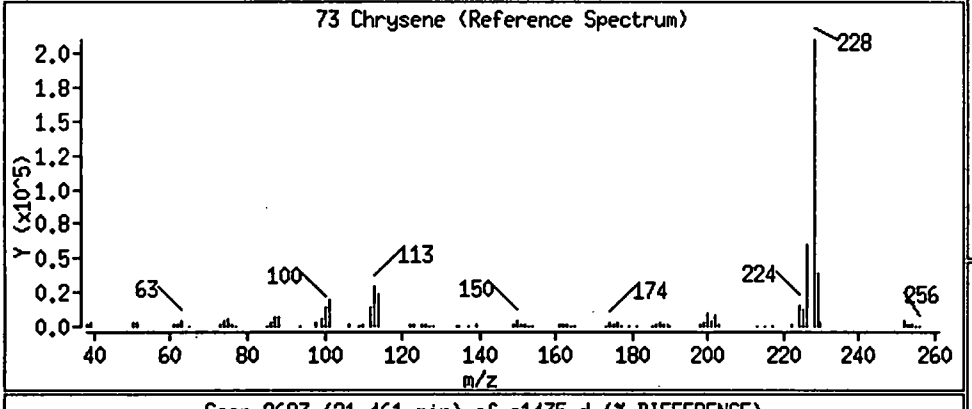
73 Chrysene

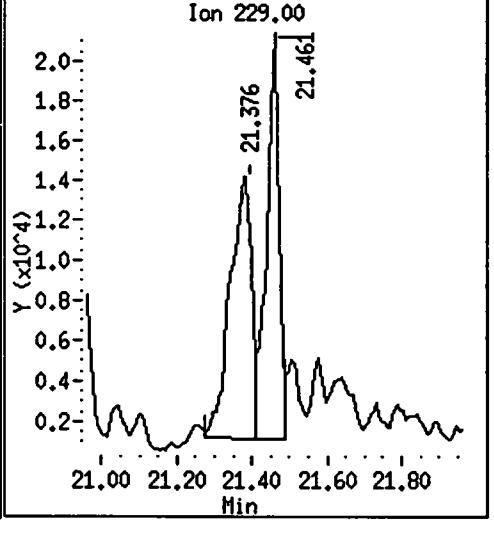


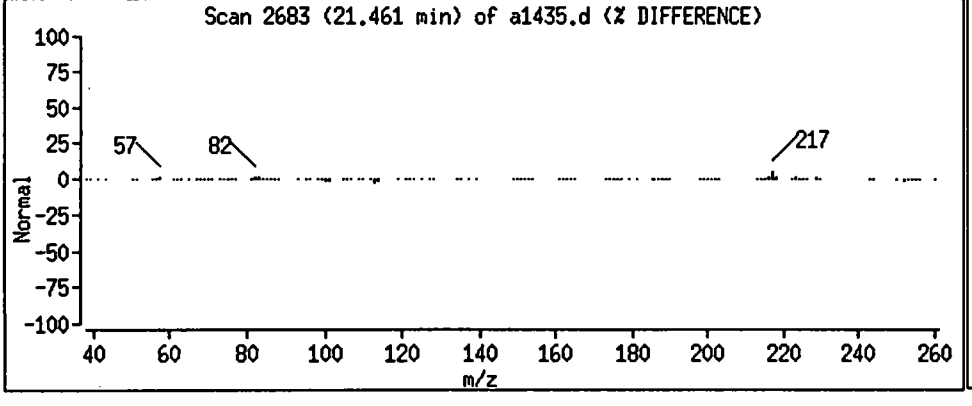












Data File: /wplcsdisk2/hp72a.i/090394.b/a1435.d

Date : 03-SEP-1994 23:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-20/0826-30

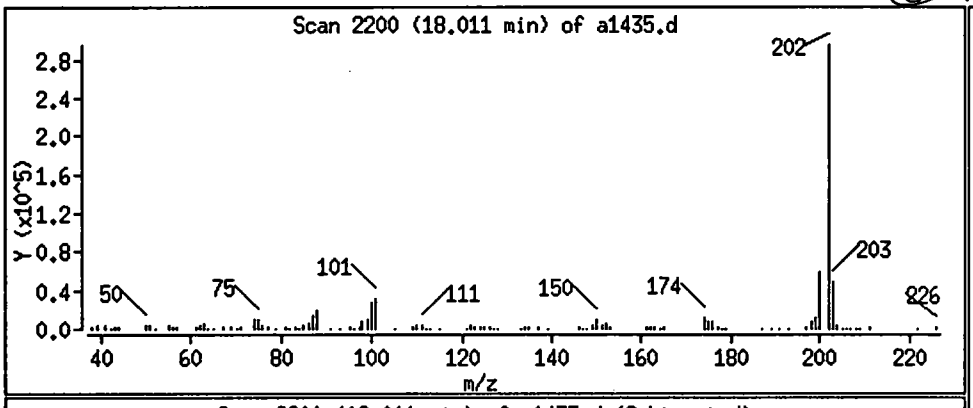
Volume Injected (uL): 1.0

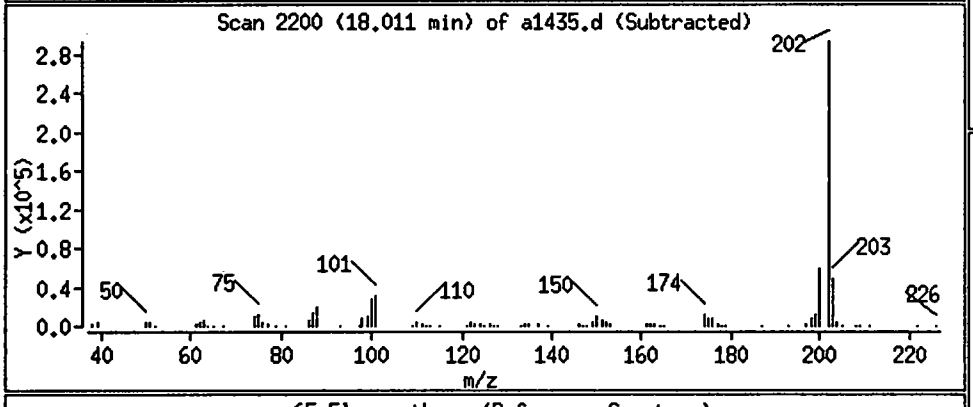
Operator:

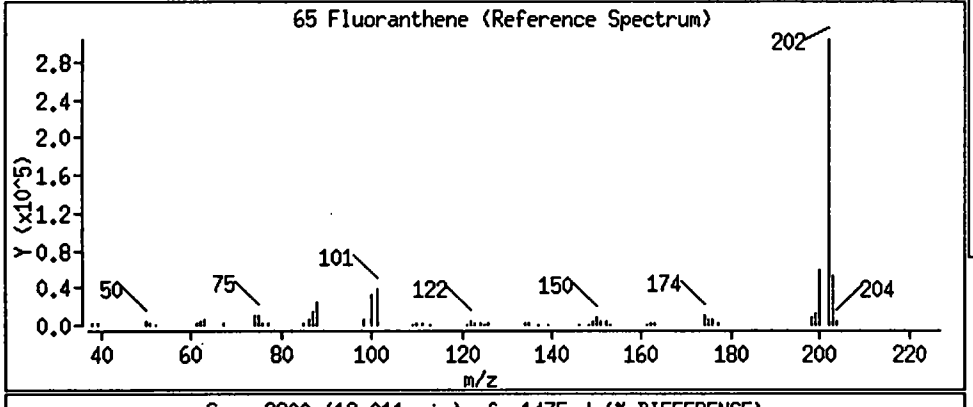
Column phase: hp-5MS

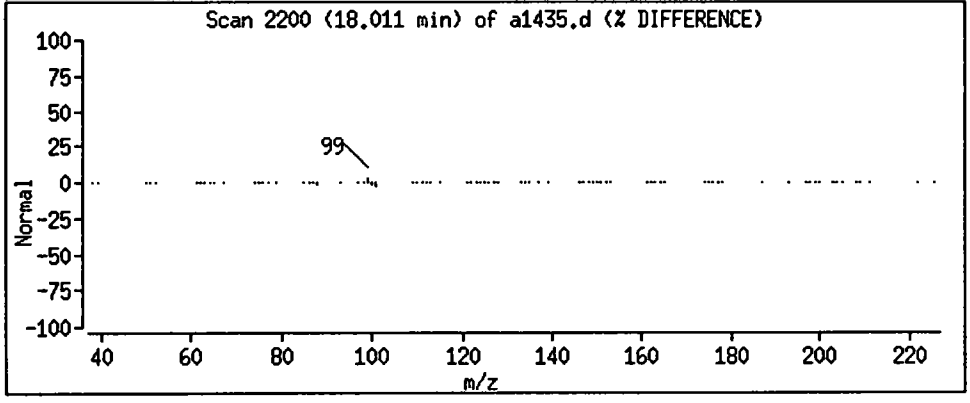
Column diameter: 0.25

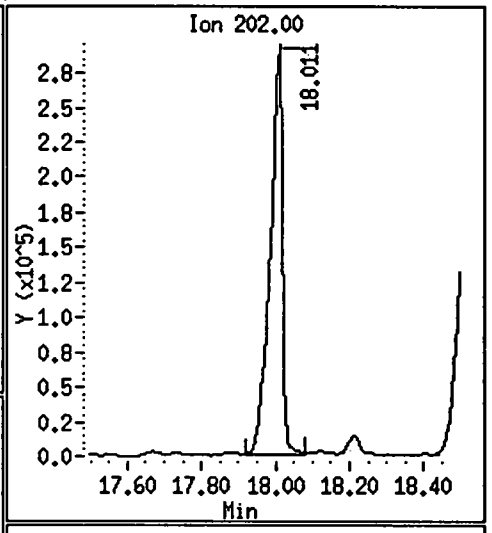
65 Fluoranthene

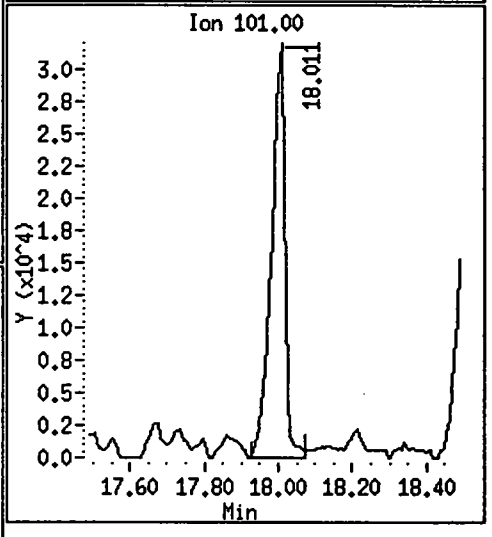












Data File: /wplcsdisk2/hp72a.i/090394.b/a1435.d

Date : 03-SEP-1994 23:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-20/0826-30

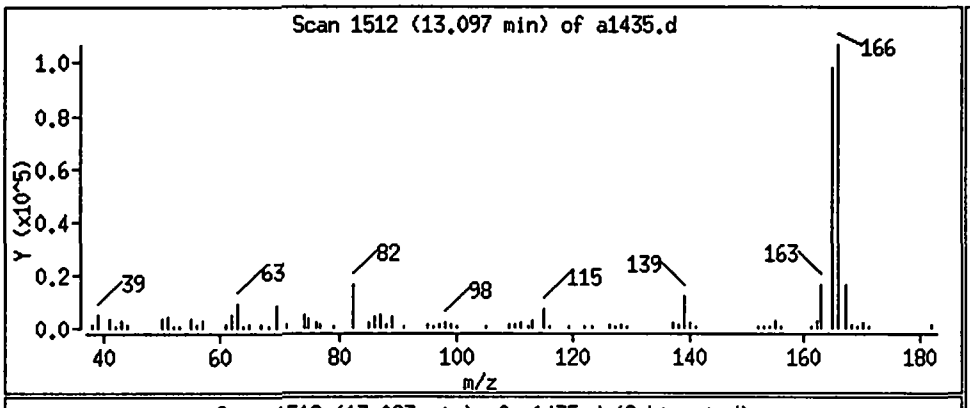
Volume Injected (uL): 1.0

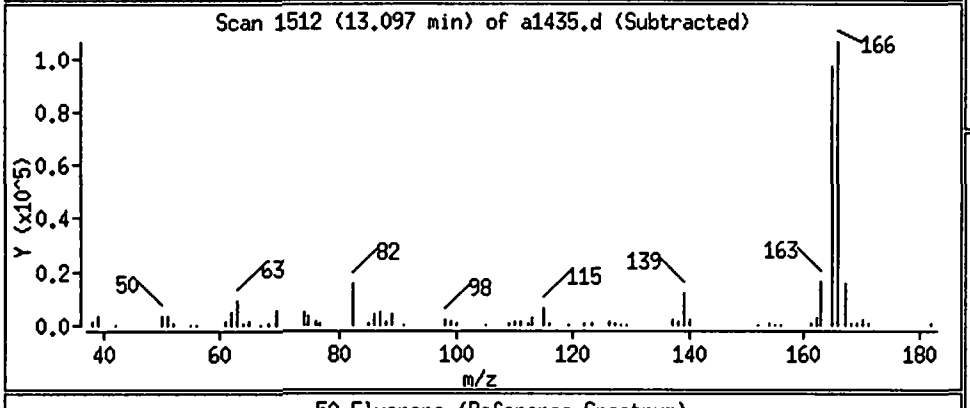
Operator:

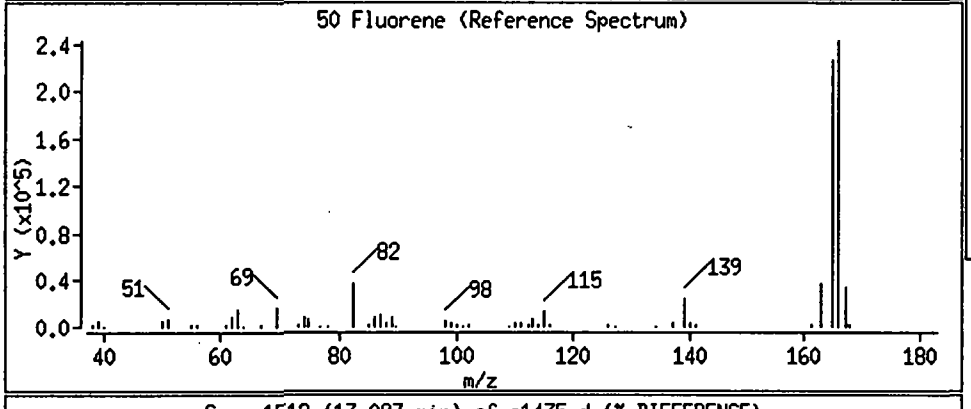
Column phase: hp-5MS

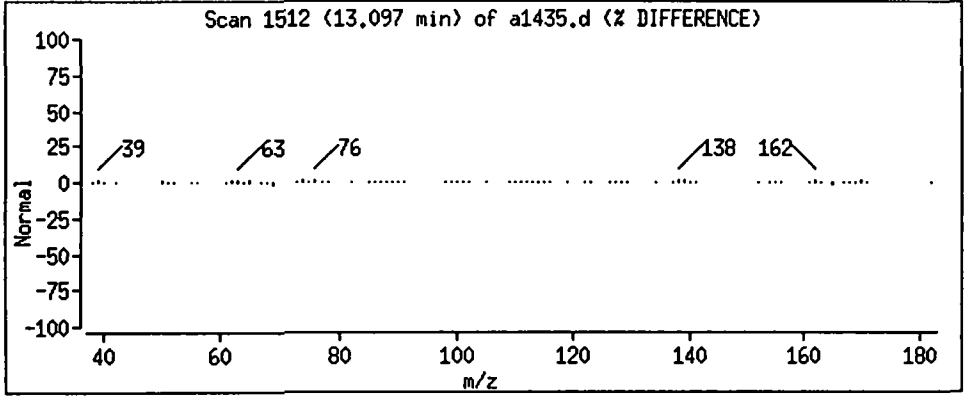
Column diameter: 0.25

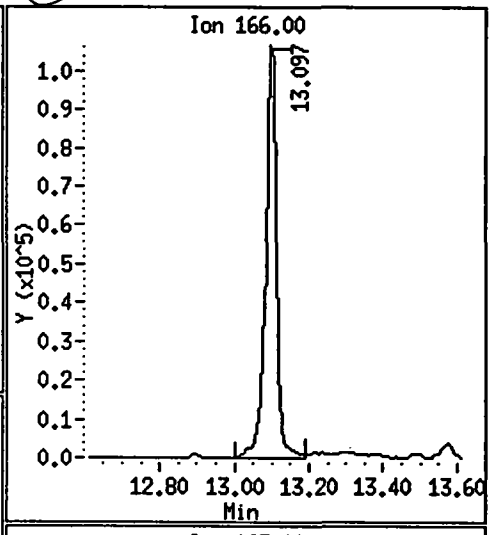
50 Fluorene

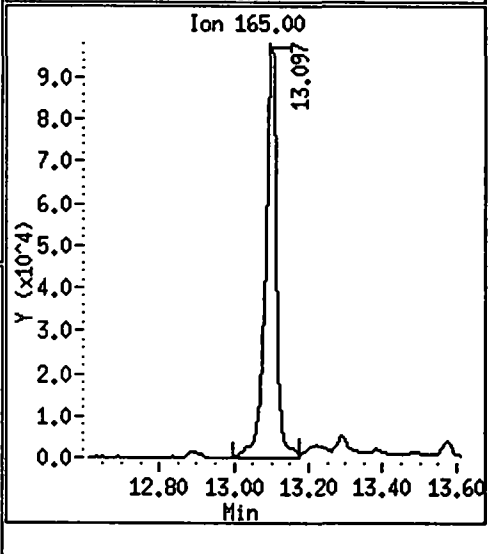












Data File: /uplcsdisk2/hp72a.i/090394.b/a1435.d

Date : 03-SEP-1994 23:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-20/0826-30

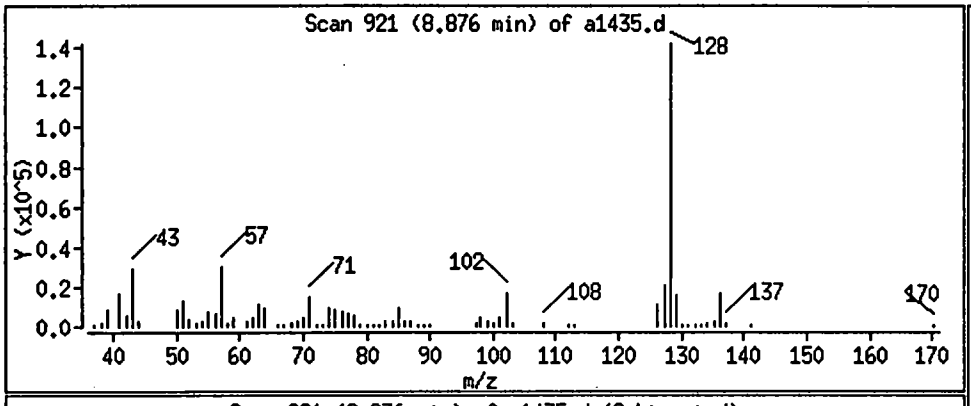
Volume Injected (uL): 1.0

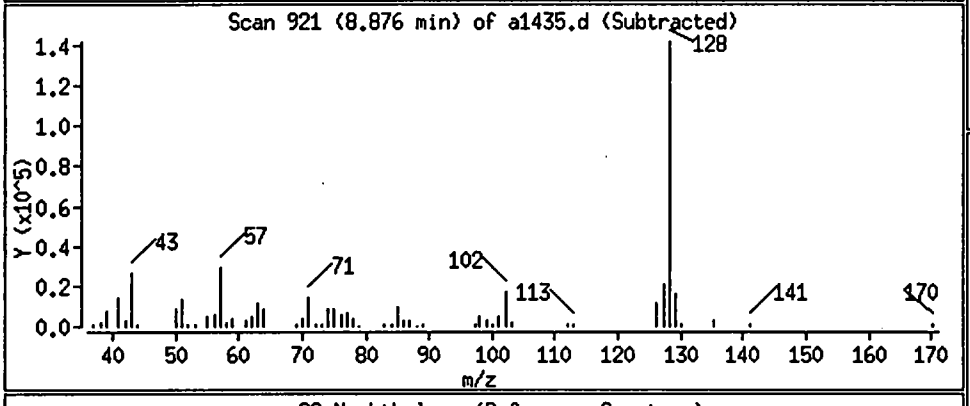
Operator:

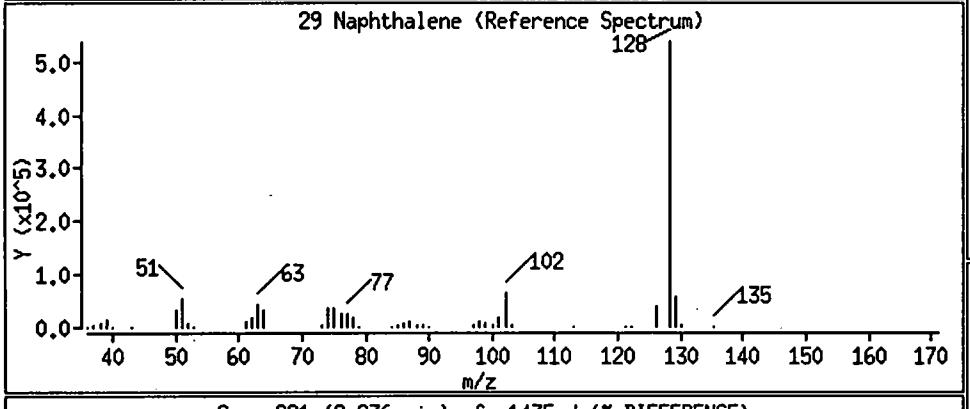
Column phase: hp-5MS

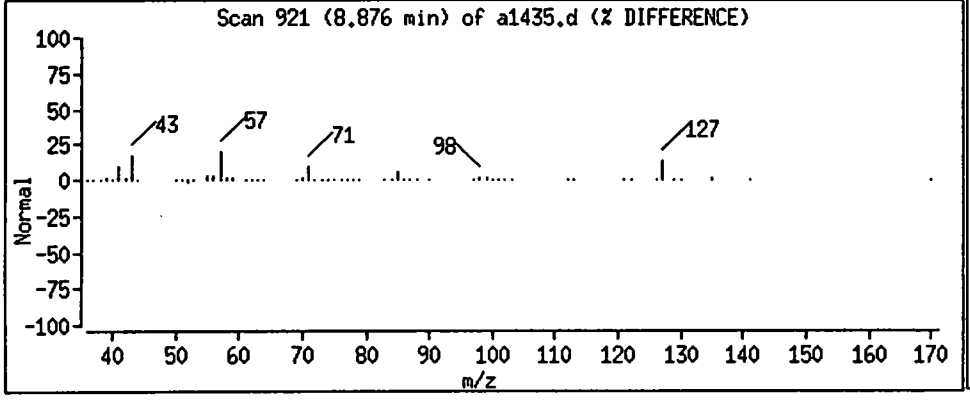
Column diameter: 0.25

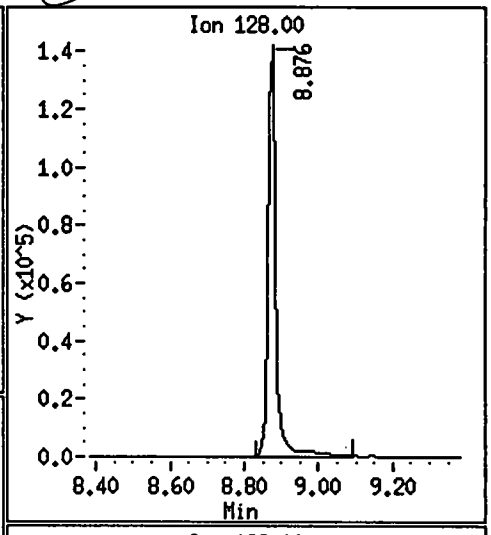
29 Naphthalene

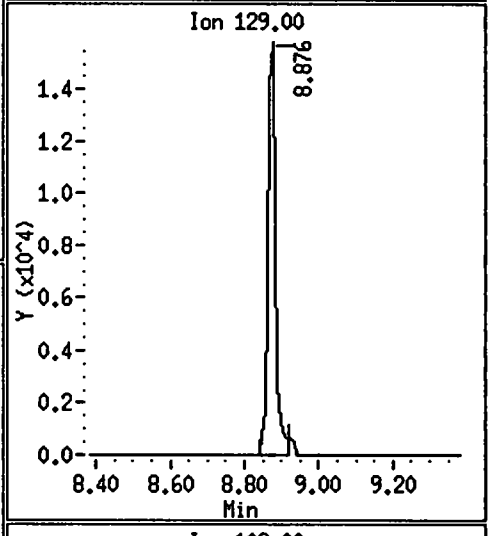


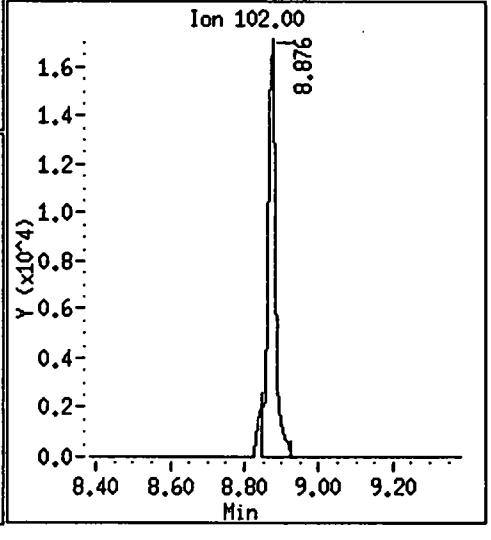












Data File: /wplcsdisk2/hp72a.i/090394.b/a1435.d

Date : 03-SEP-1994 23:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-20/0826-30

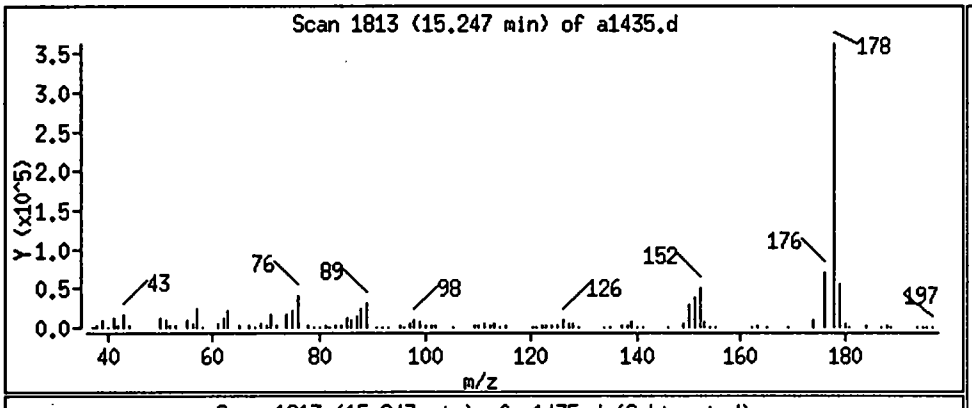
Volume Injected (uL): 1.0

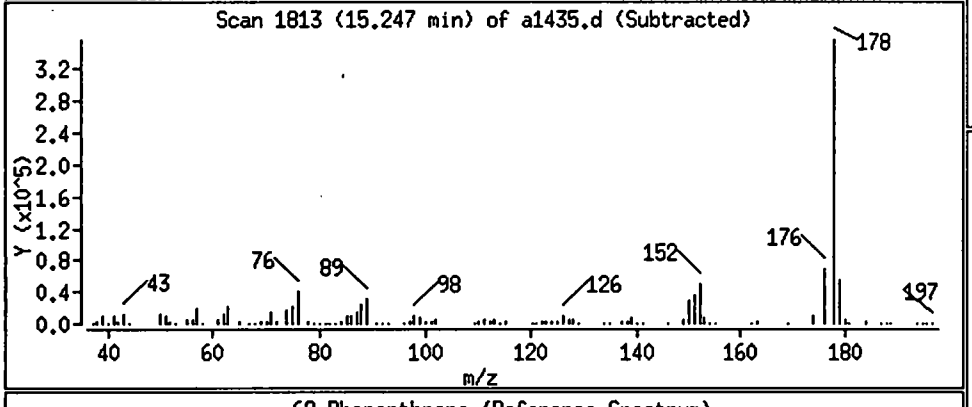
Operator:

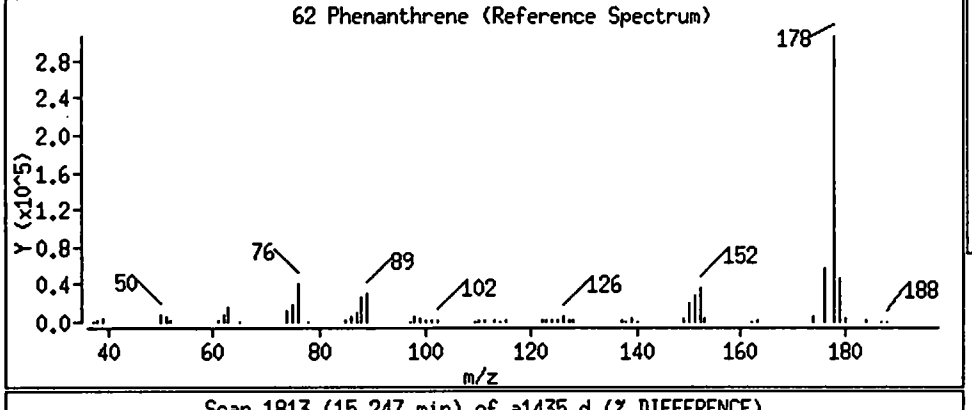
Column phase: hp-5MS

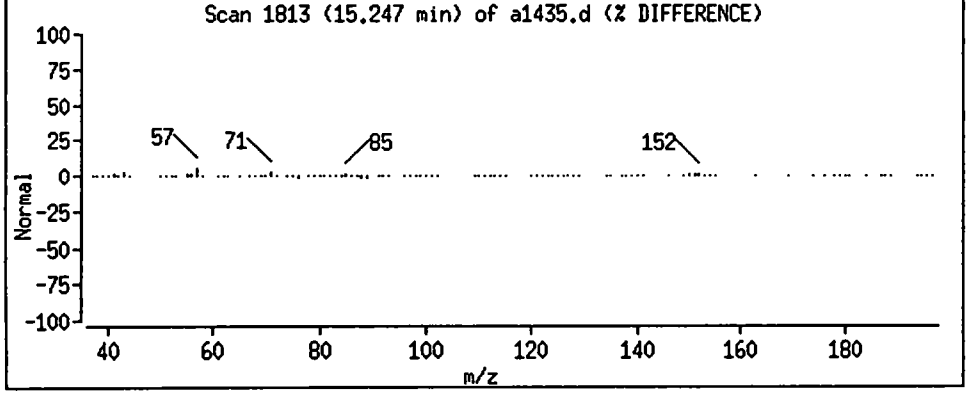
Column diameter: 0.25

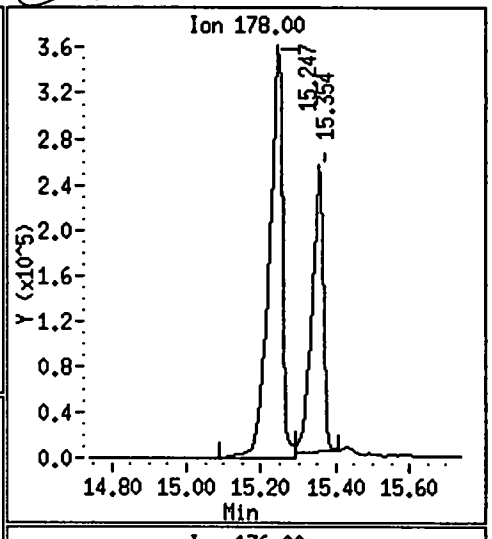
62 Phenanthrene

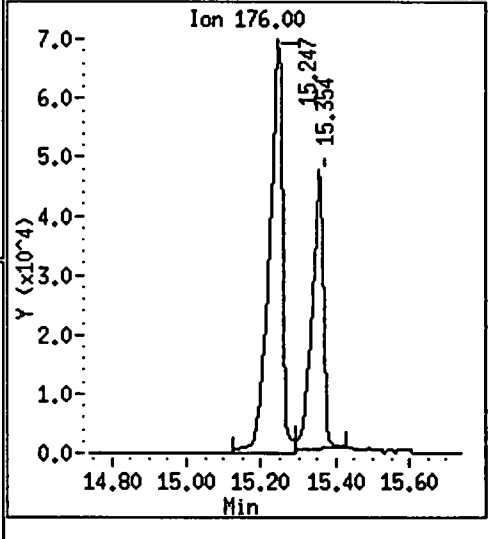












Data File: /wplcsdisk2/hp72a.i/090394.b/a1435.d

Date : 03-SEP-1994 23:00

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-20/0826-30

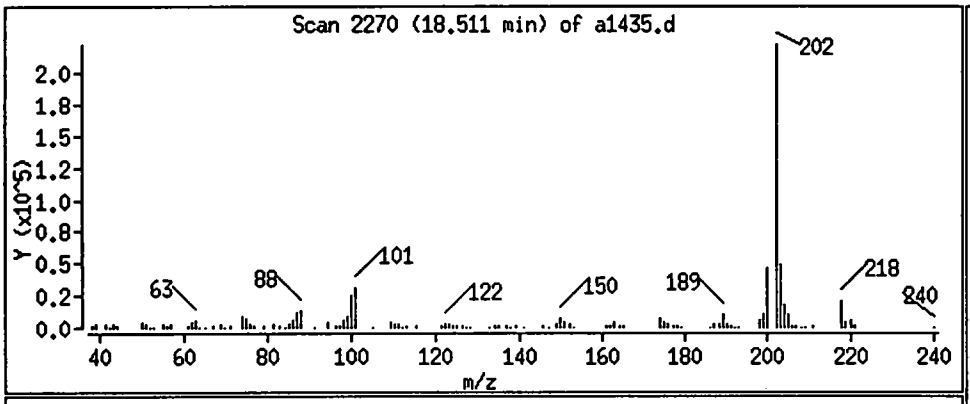
Volume Injected (uL): 1.0

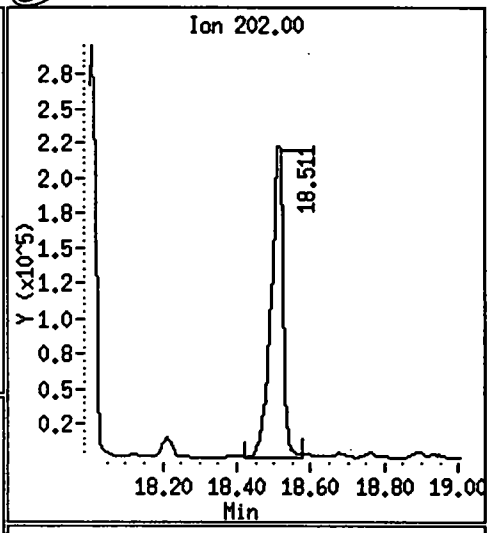
Operator:

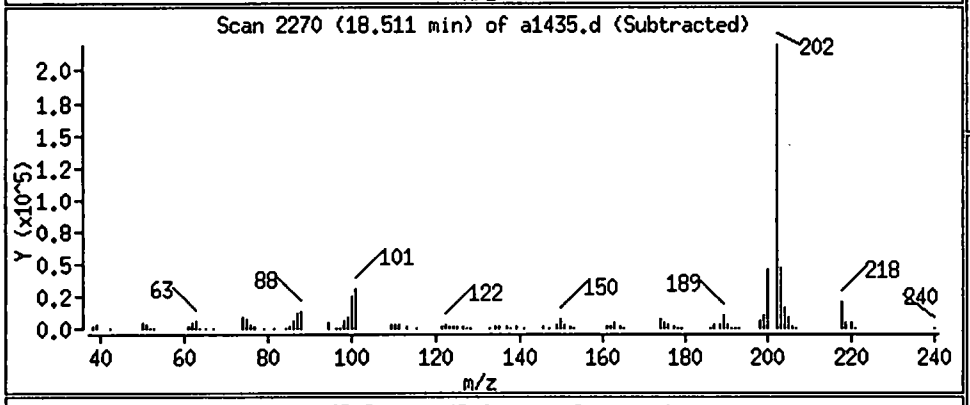
Column phase: hp-5MS

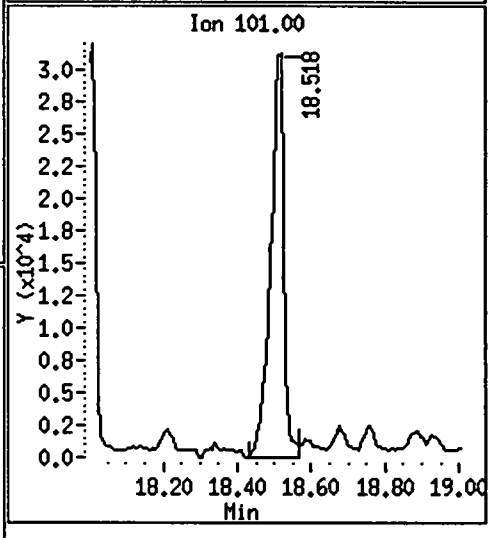
Column diameter: 0.25

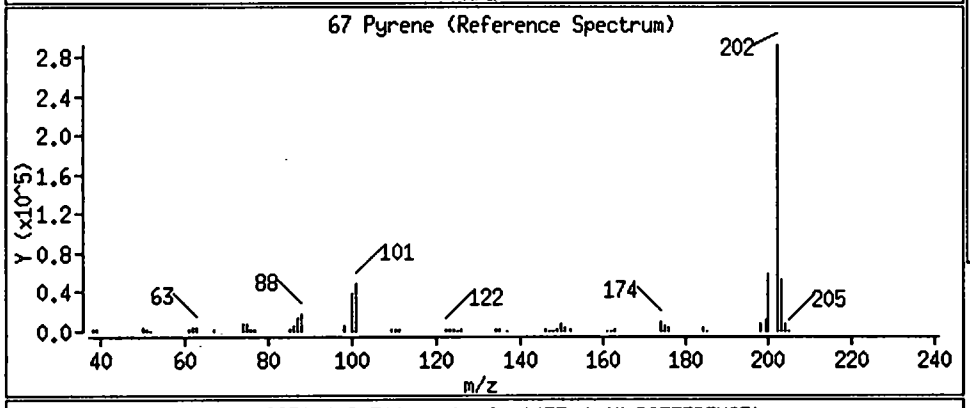
67 Pyrene

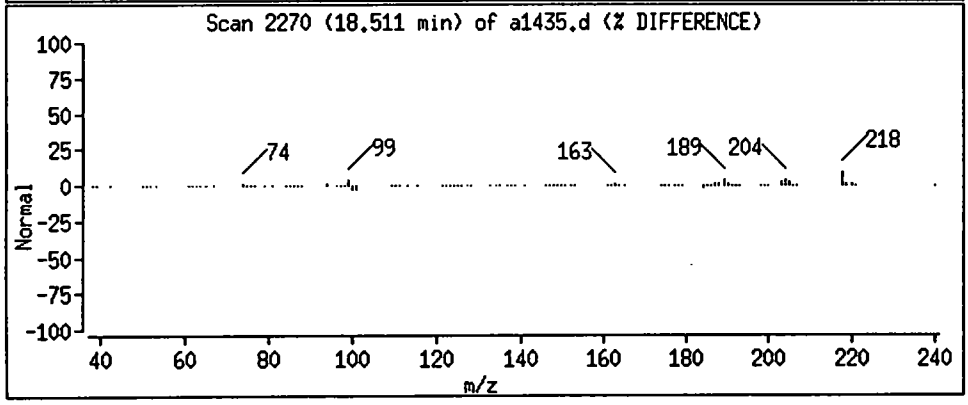












Data File: /wplcsdisk2/hp72a.i/090394.b/a1436.d

Date : 03-SEP-1994 23:37

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-31

Volume Injected (uL): 1.0

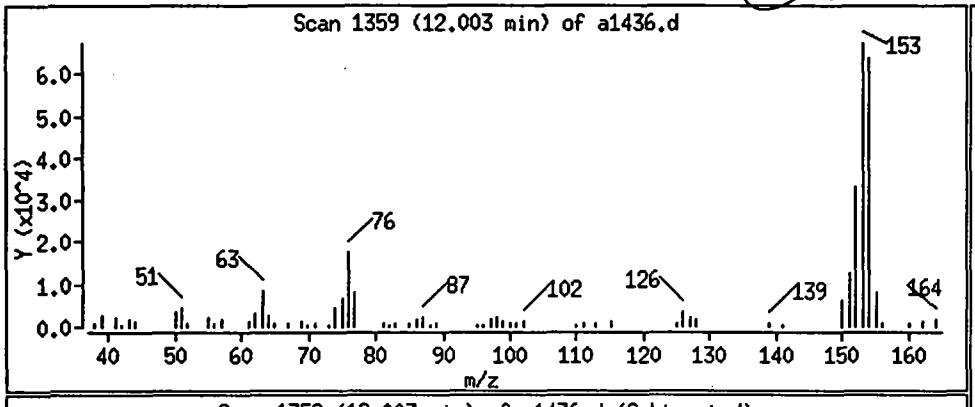
Operator:

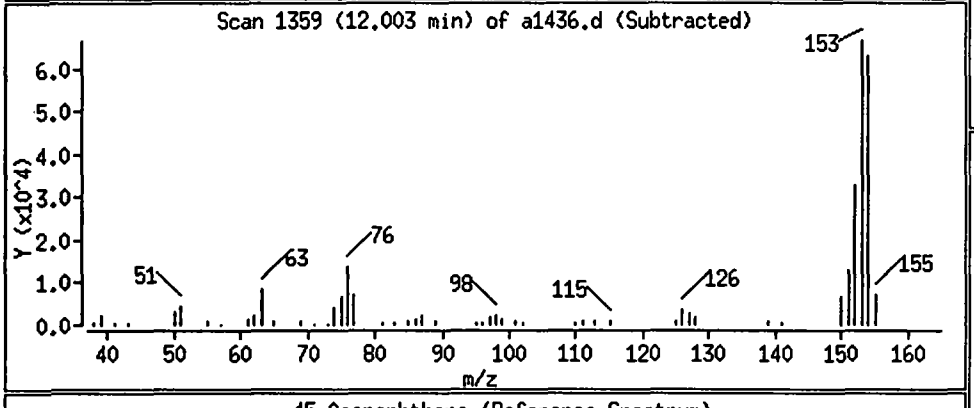
Column phase: hp-5MS

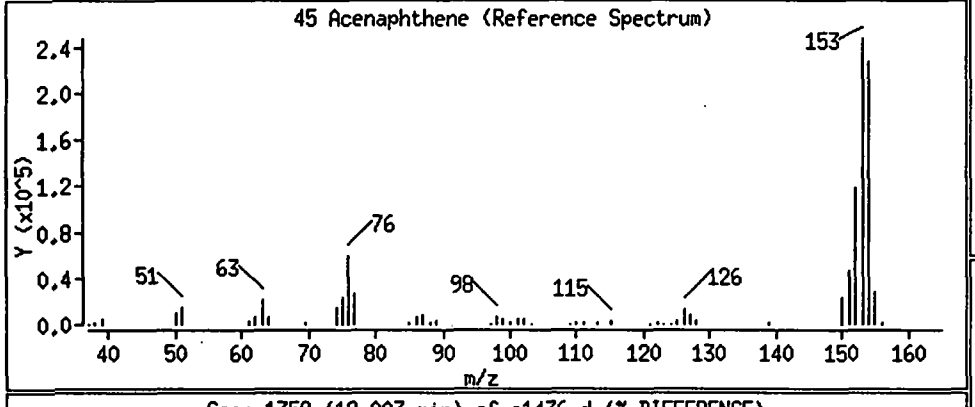
Column diameter: 0.25

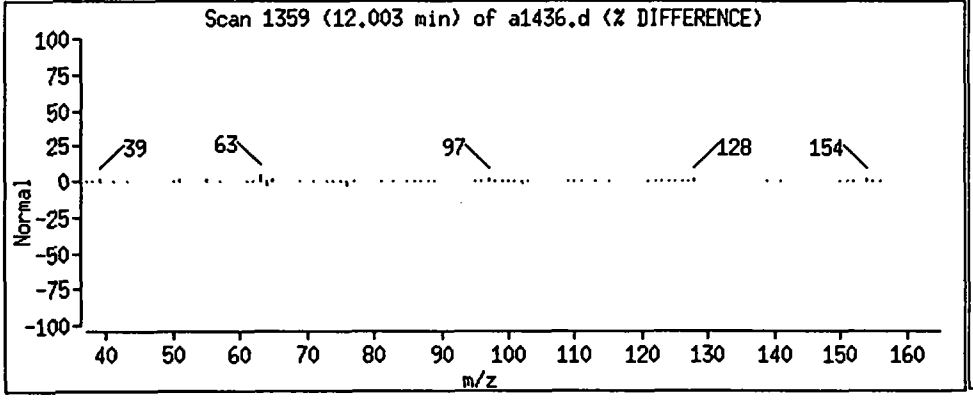
45 Acenaphthene

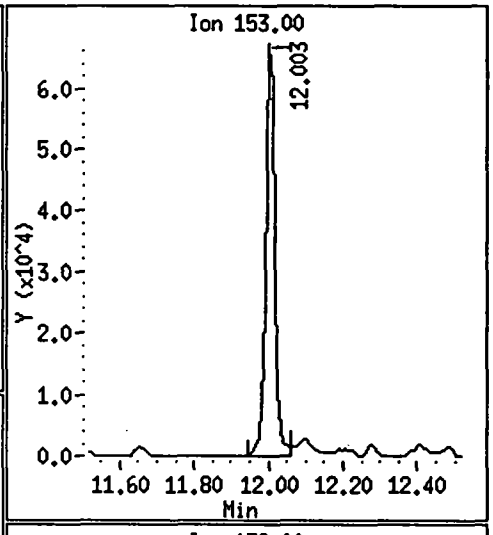
OK ARR

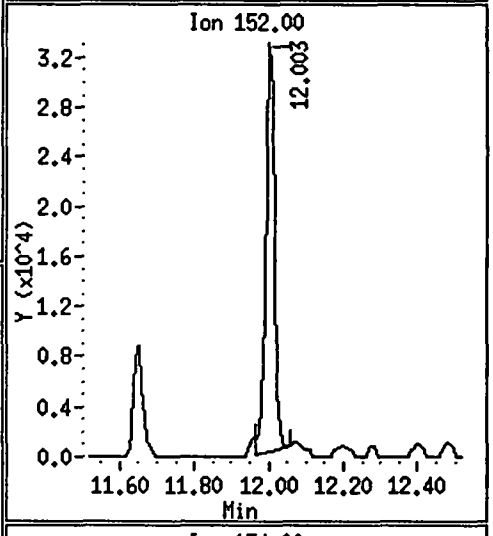


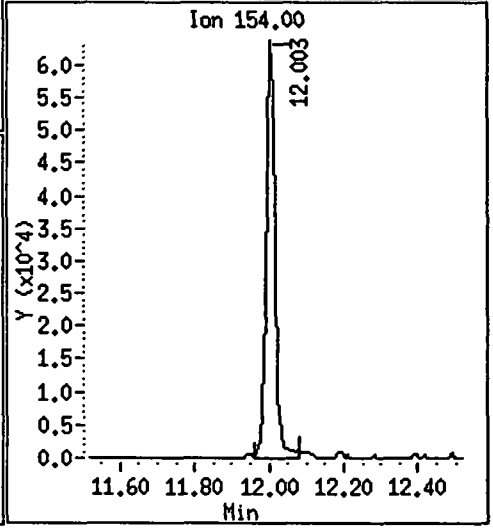












Data File: /wplcsdisk2/hp72a.i/090394.b/a1436.d

Date : 03-SEP-1994 23:37

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-31

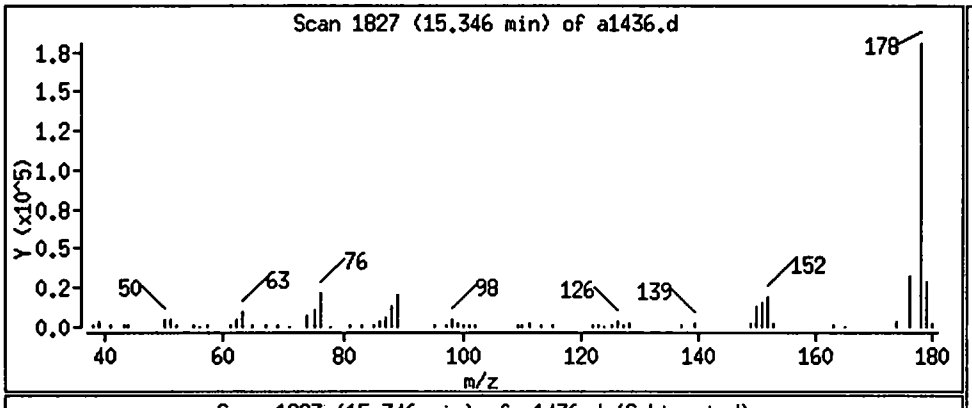
Volume Injected (uL): 1.0

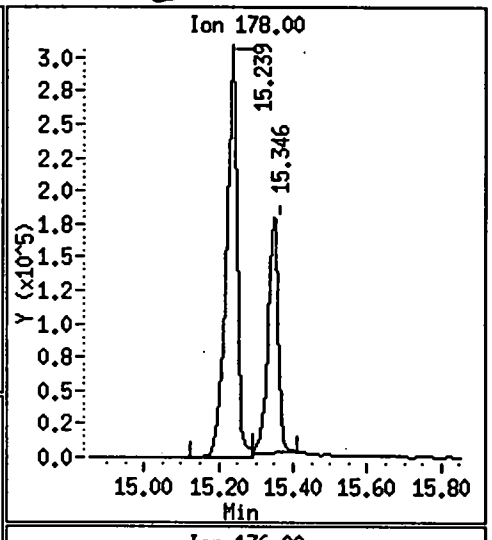
Operator:

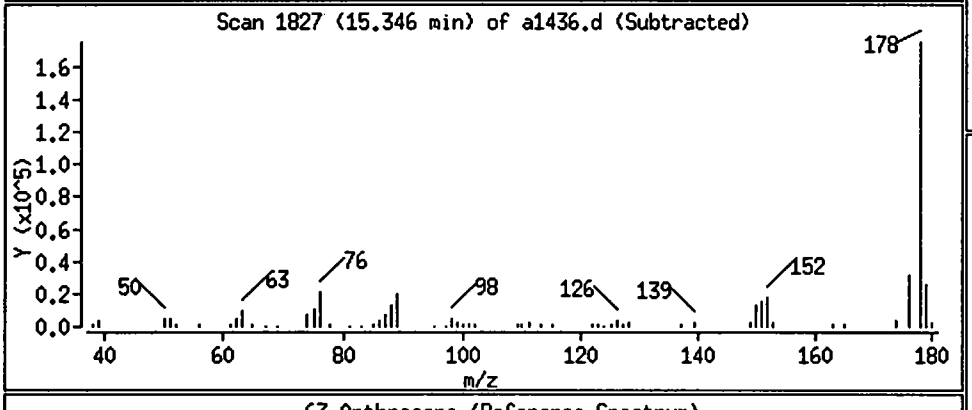
Column phase: hp-5MS

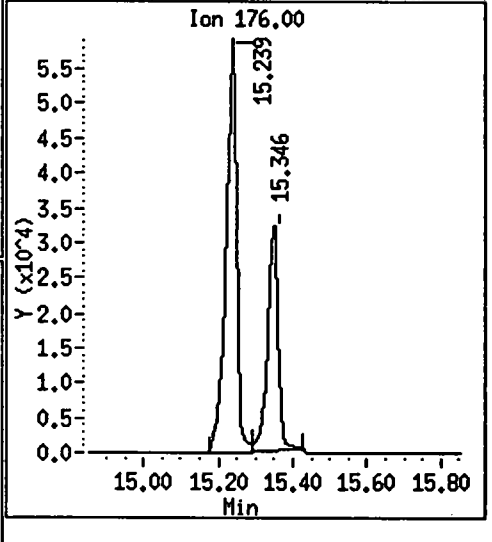
Column diameter: 0.25

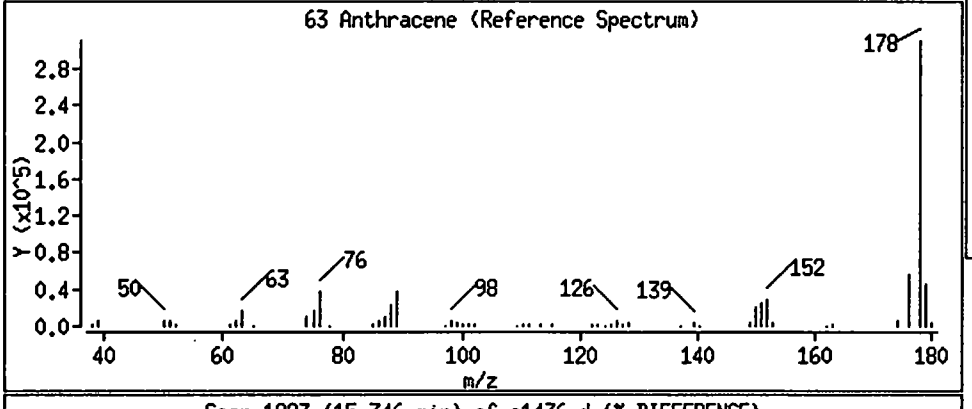
63 Anthracene

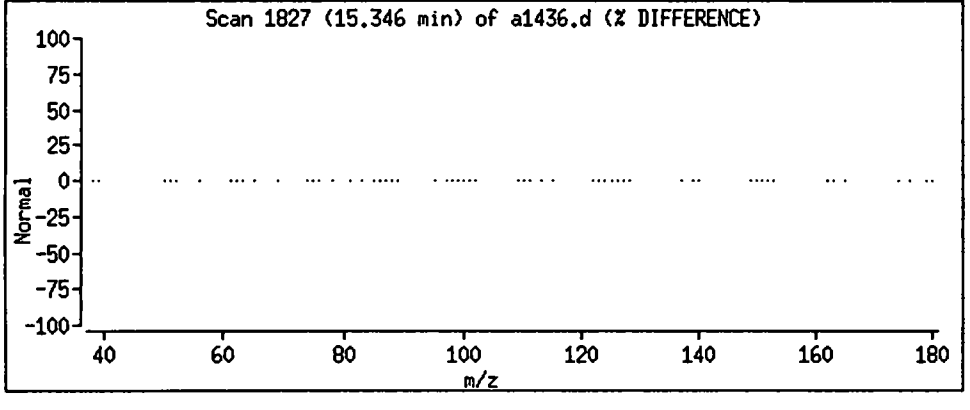












Data File: /wplcsdisk2/hp72a.i/090394.b/a1436.d

Date : 03-SEP-1994 23:37

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-31

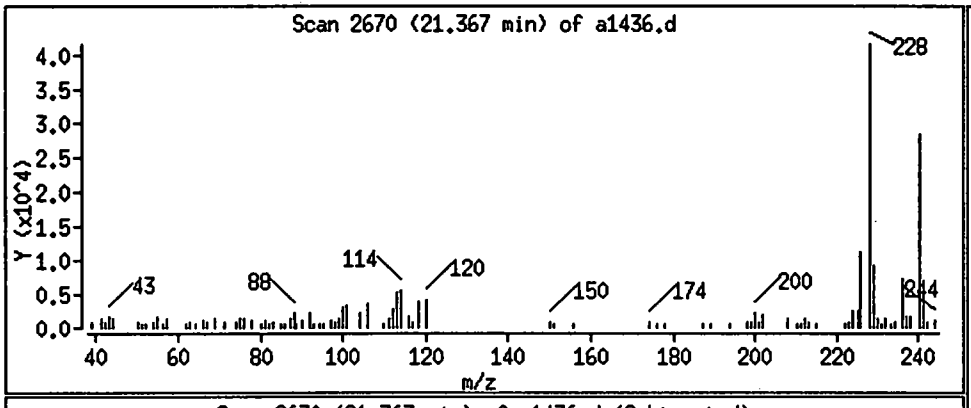
Volume Injected (uL): 1.0

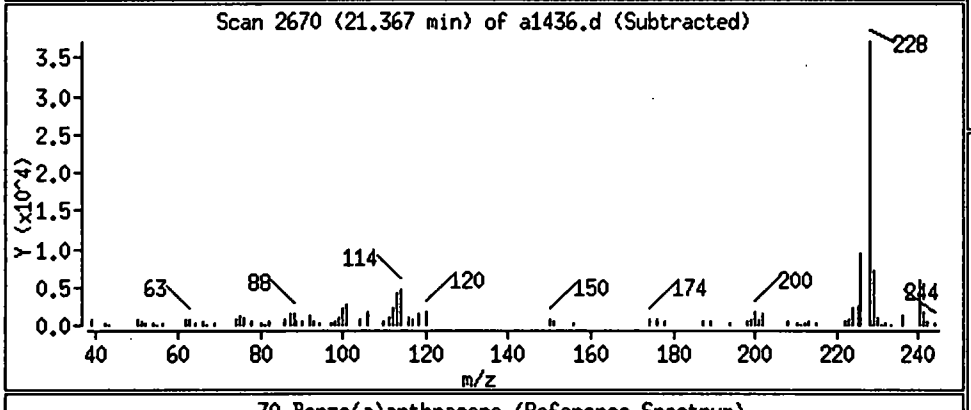
Operator:

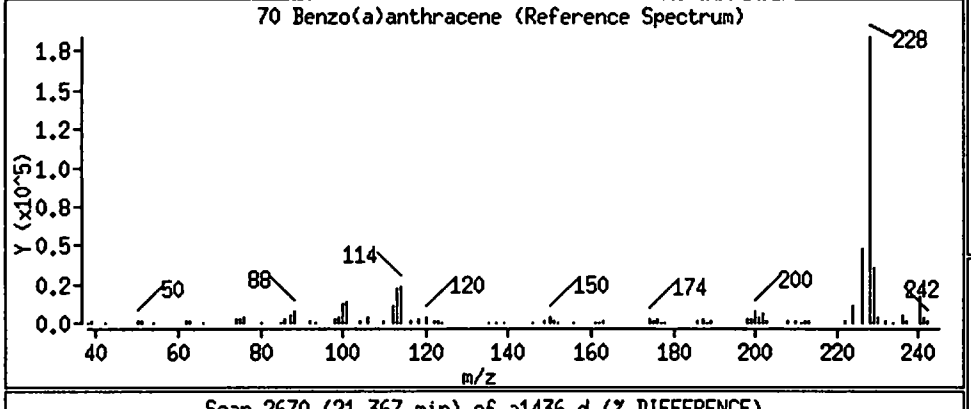
Column phase: hp-5MS

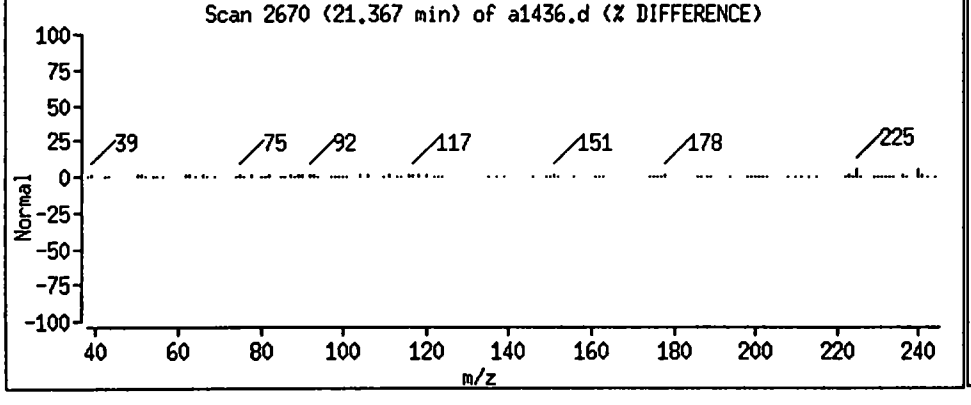
Column diameter: 0.25

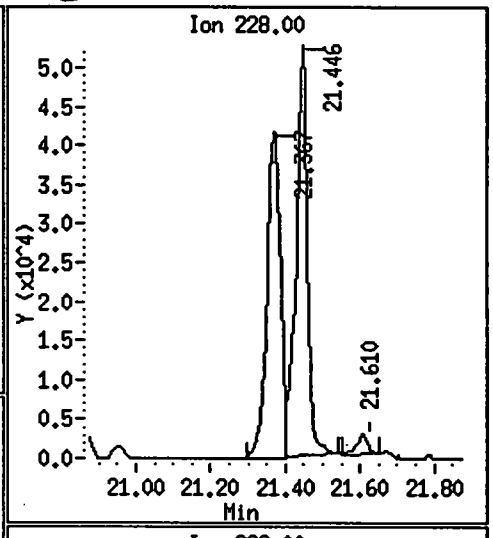
70 Benzo(a)anthracene

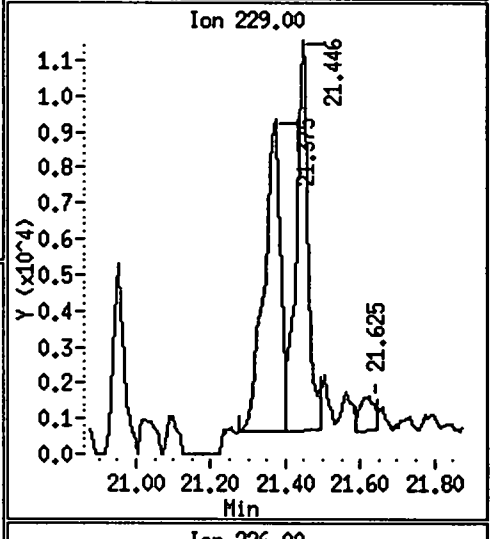


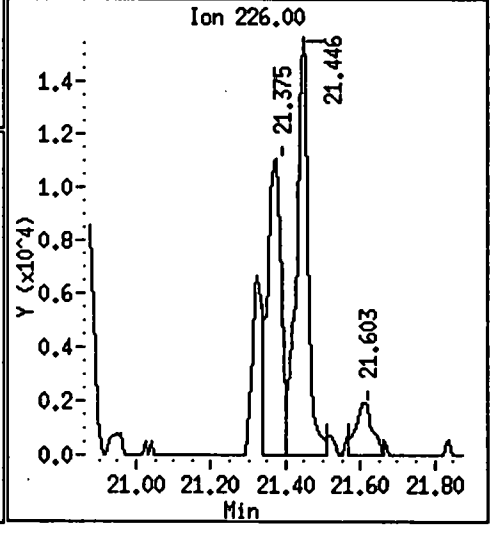












Data File: /uplcsdisk2/hp72a.i/090394.b/a1436.d

Date : 03-SEP-1994 23:37

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-31

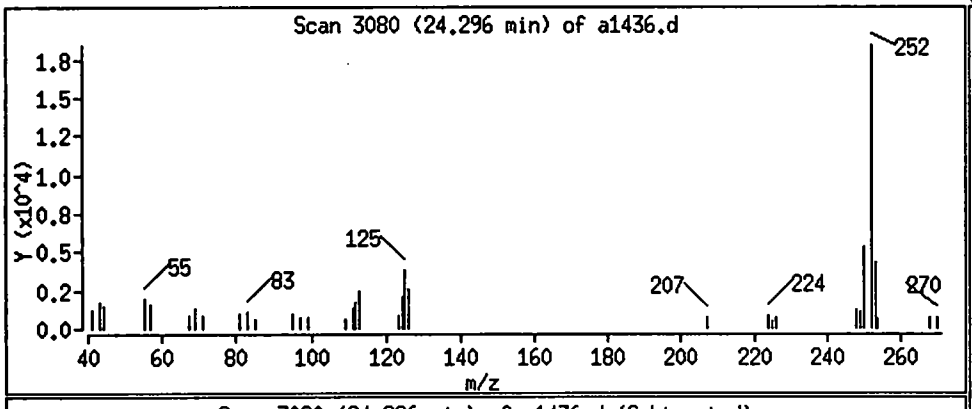
Volume Injected (uL): 1.0

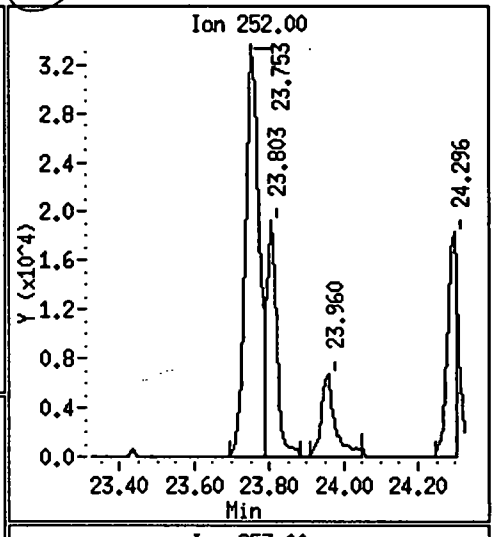
Operator:

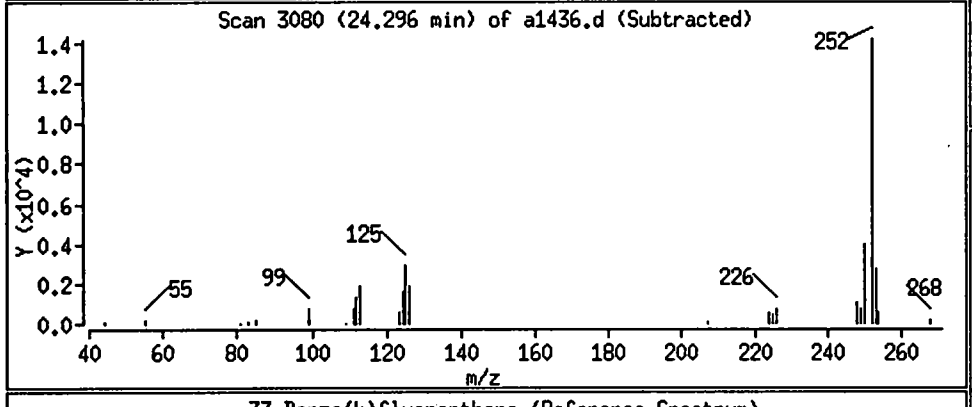
Column phase: hp-5MS

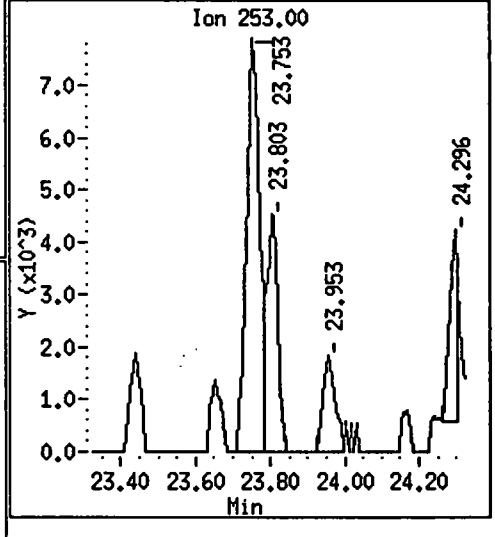
Column diameter: 0.25

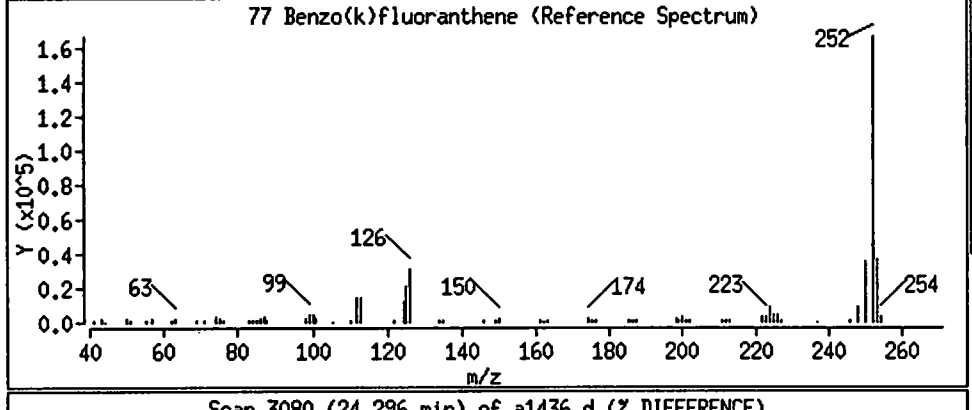
77 Benzo(k)fluoranthene

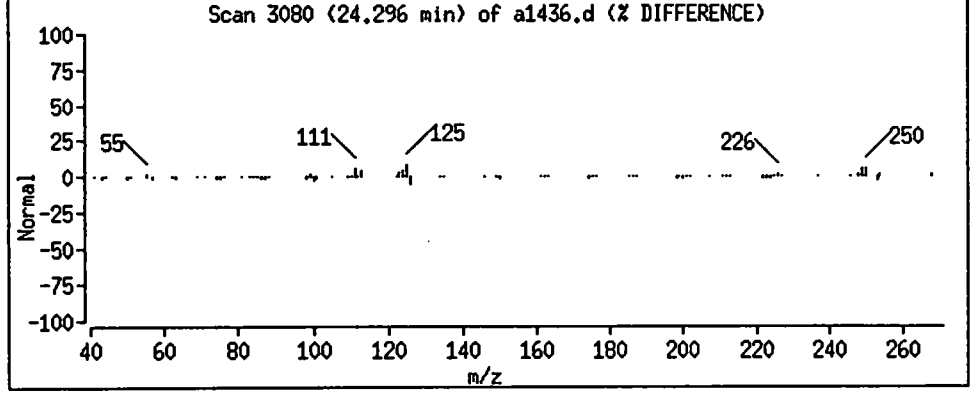












Data File: /wplcsdisk2/hp72a.i/090394.b/a1436.d

Date : 03-SEP-1994 23:37

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-31

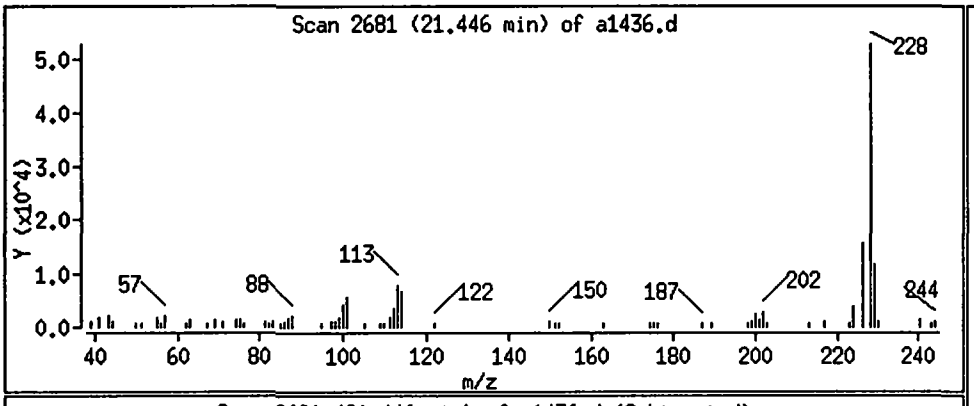
Volume Injected (uL): 1.0

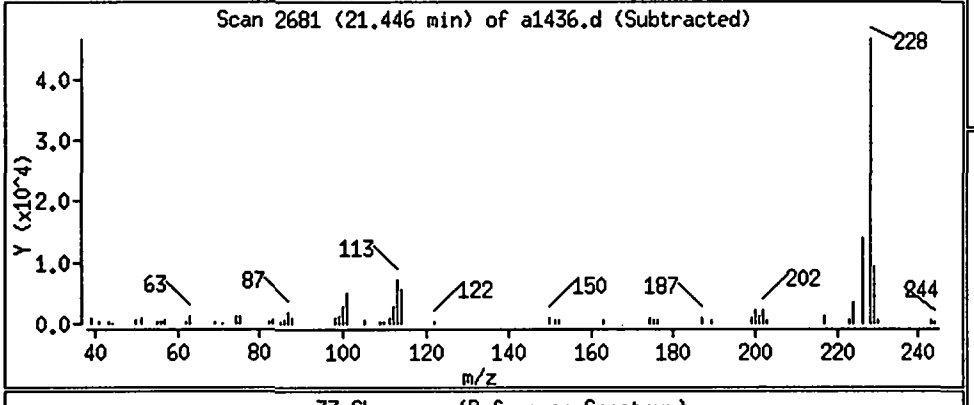
Operator:

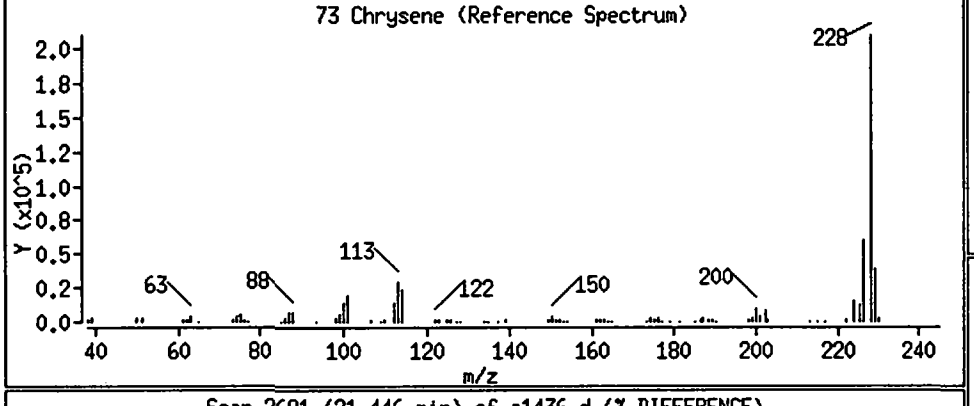
Column phase: hp-5MS

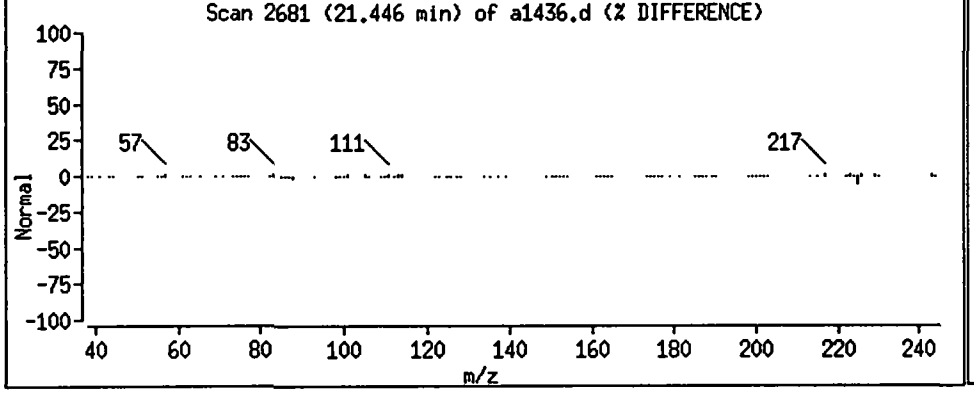
Column diameter: 0.25

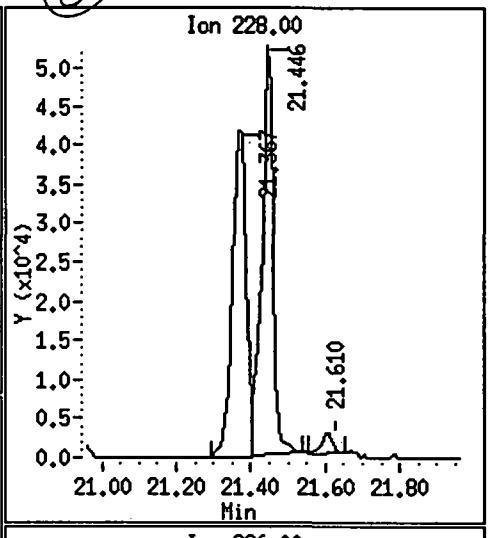
73 Chrysene

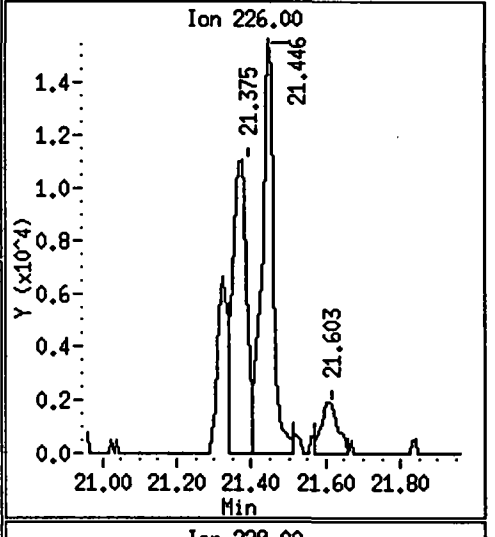


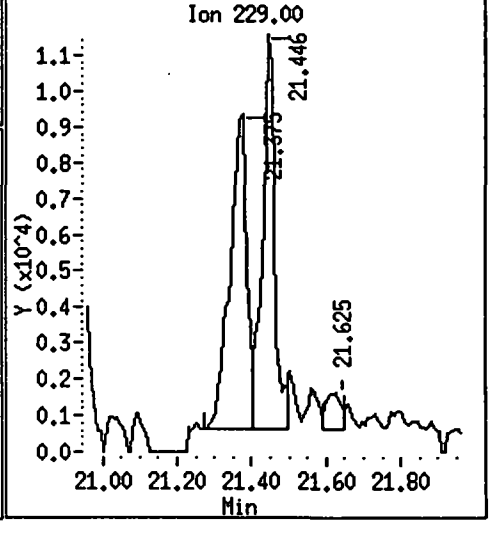












Data File: /wplcsdisk2/hp72a.i/090394.b/a1436.d

Date : 03-SEP-1994 23:37

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-31

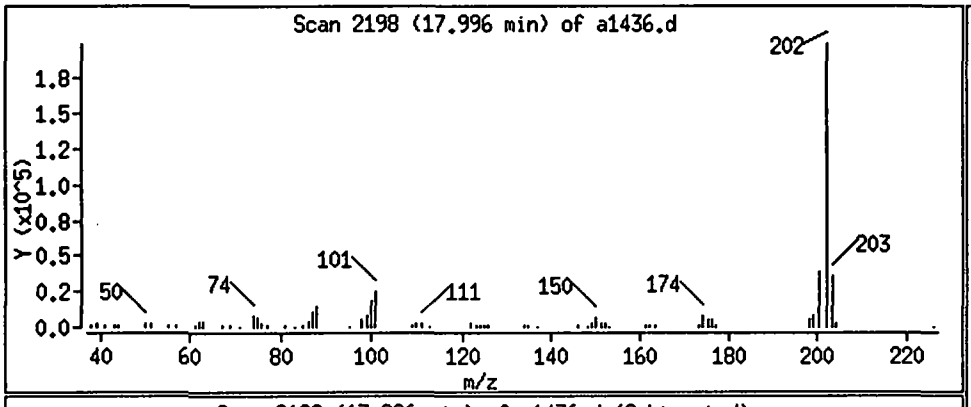
Volume Injected (uL): 1.0

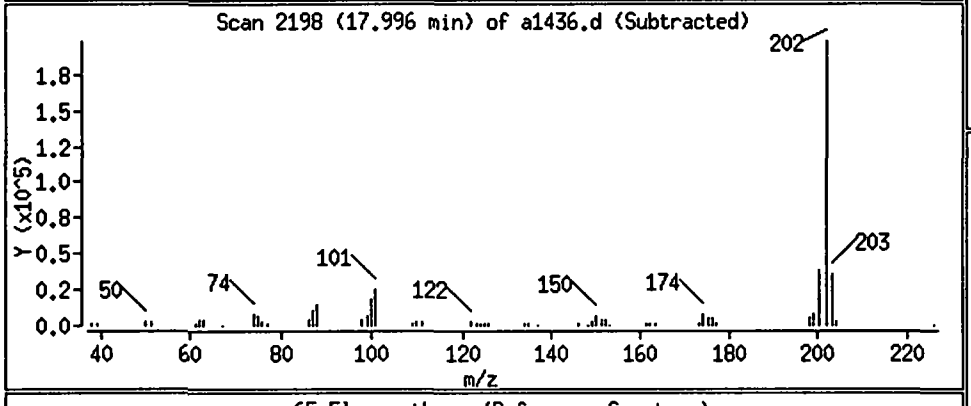
Operator:

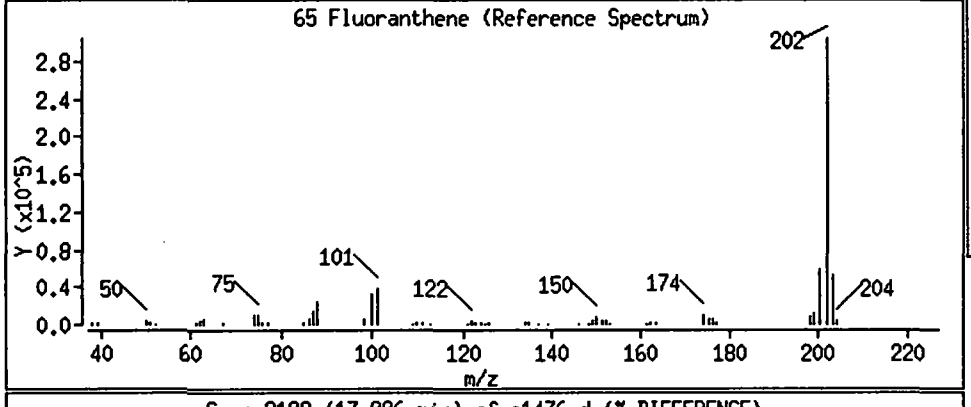
Column phase: hp-5MS

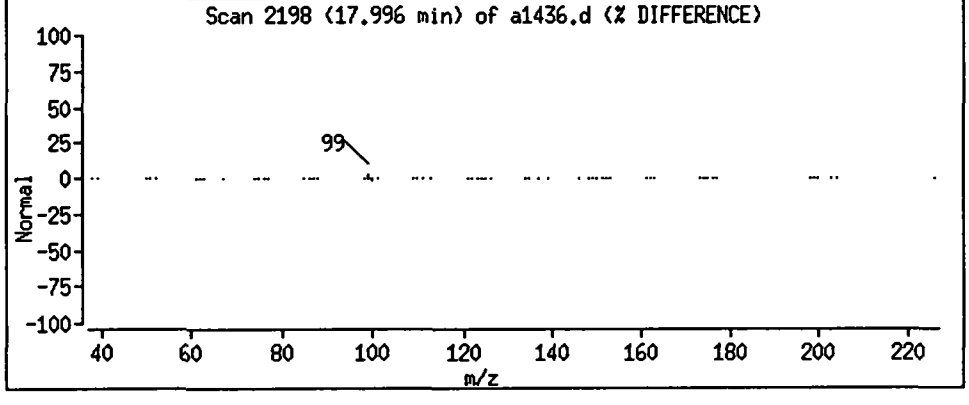
Column diameter: 0.25

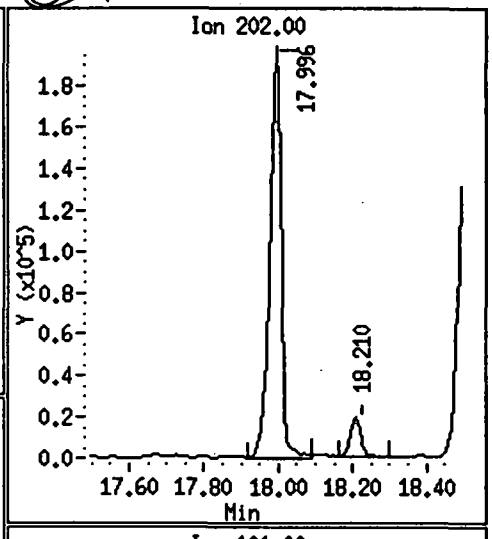
65 Fluoranthene

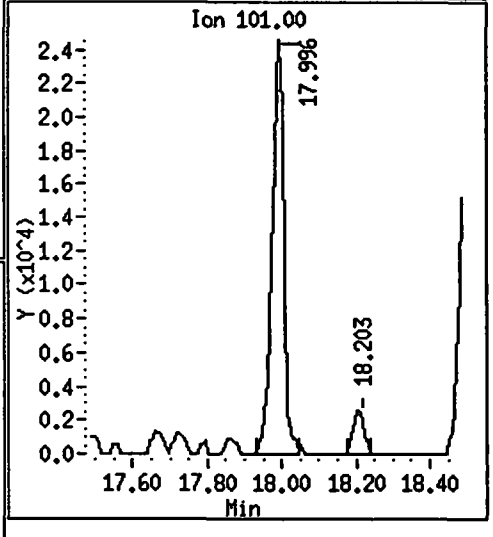












Data File: /uplcsdisk2/hp72a.i/090394.b/a1436.d

Date : 03-SEP-1994 23:37

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-31

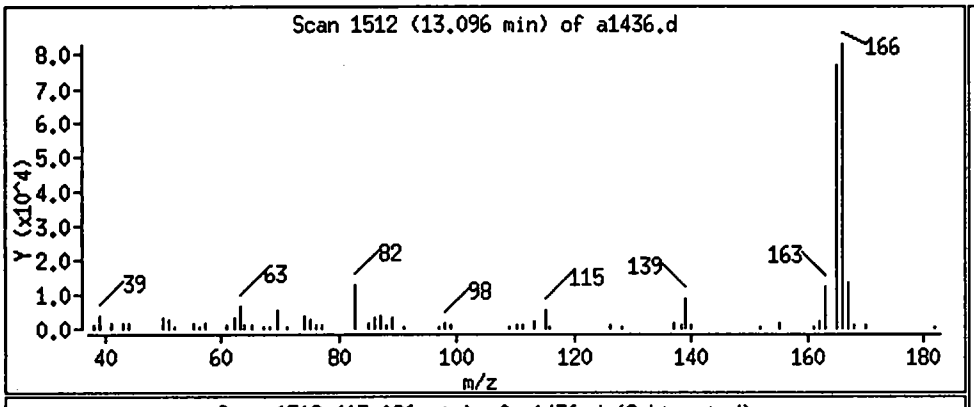
Volume Injected (uL): 1.0

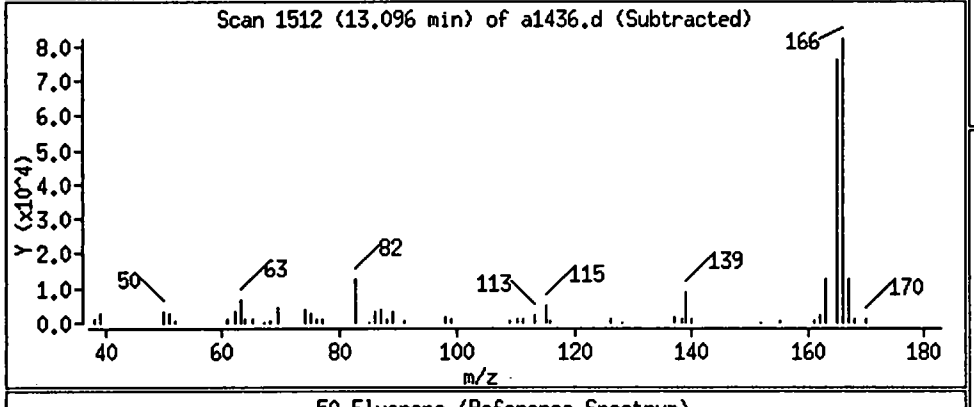
Operator:

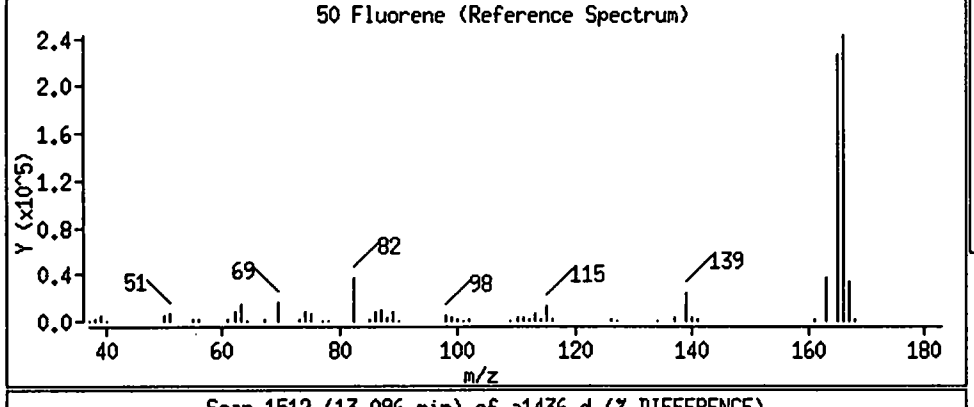
Column phase: hp-5MS

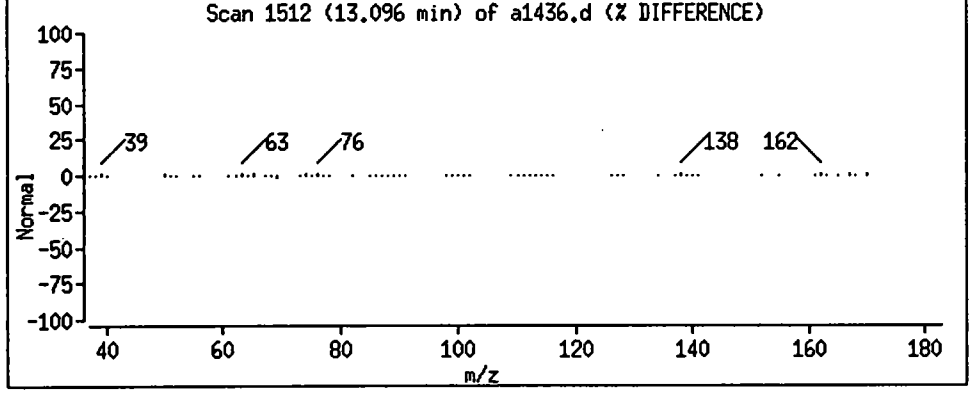
Column diameter: 0.25

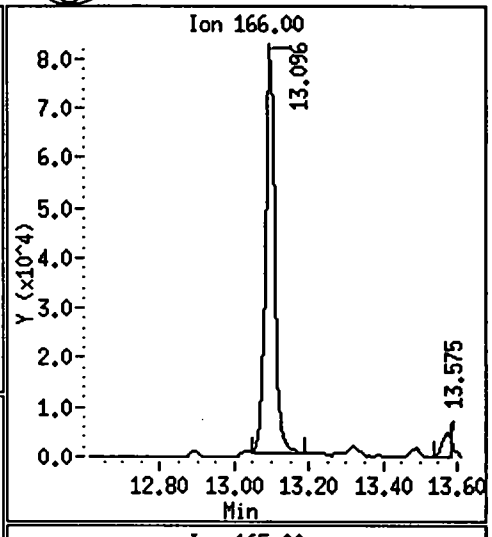
50 Fluorene

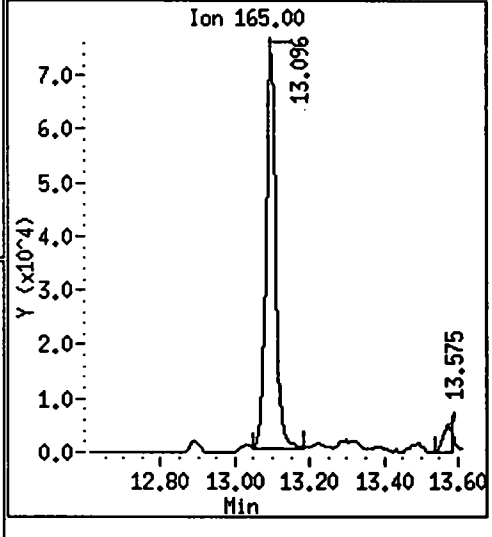












Data File: /wplcsdisk2/hp72a.i/090394.b/a1436.d

Date : 03-SEP-1994 23:37

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-31

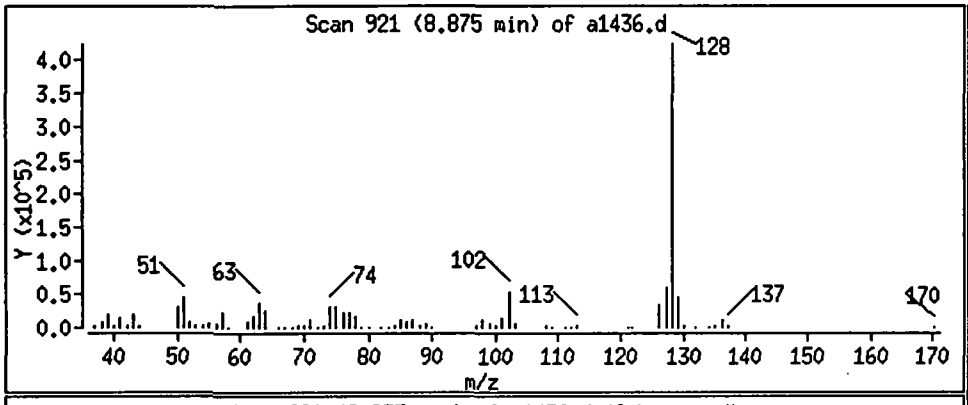
Volume Injected (uL): 1.0

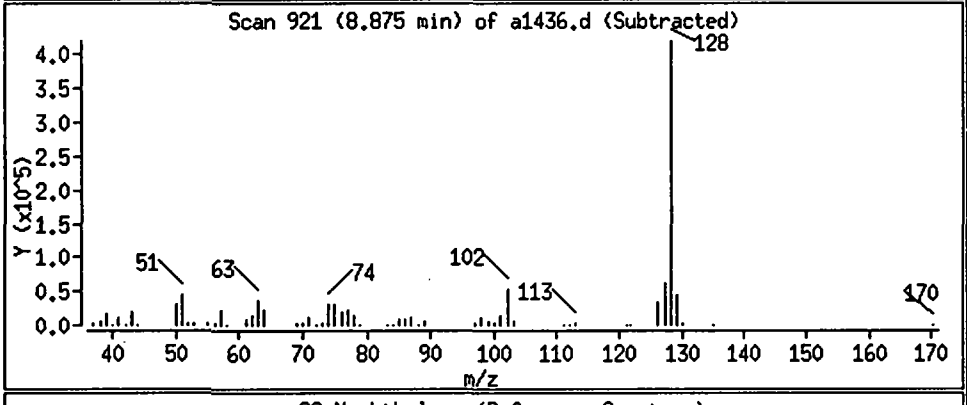
Operator:

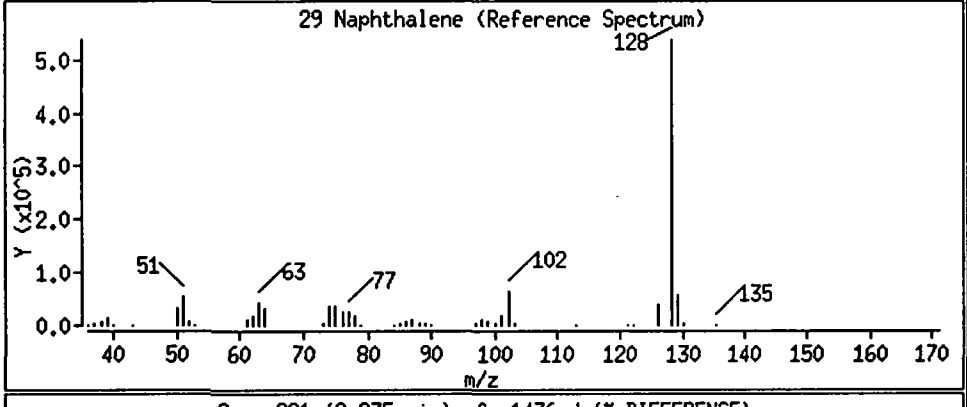
Column phase: hp-5MS

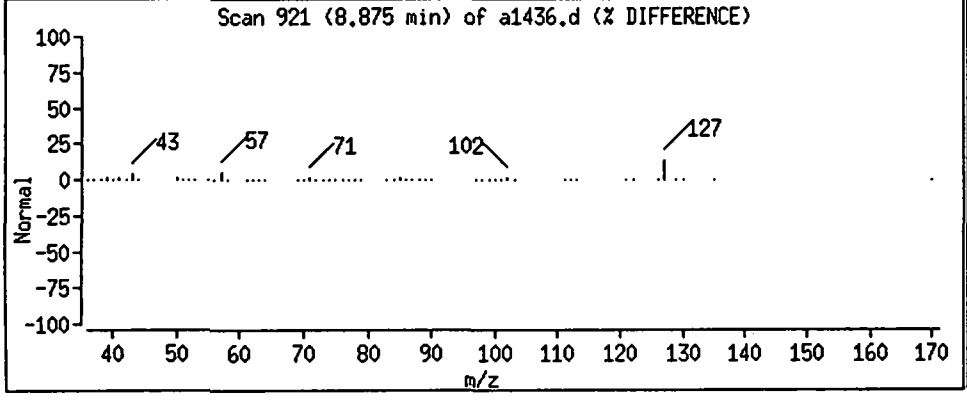
Column diameter: 0.25

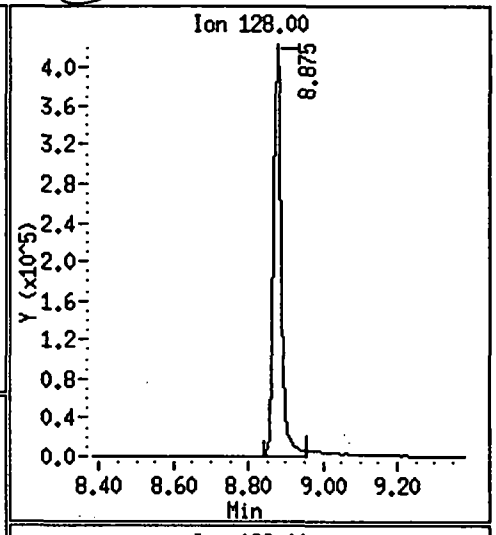
29 Naphthalene

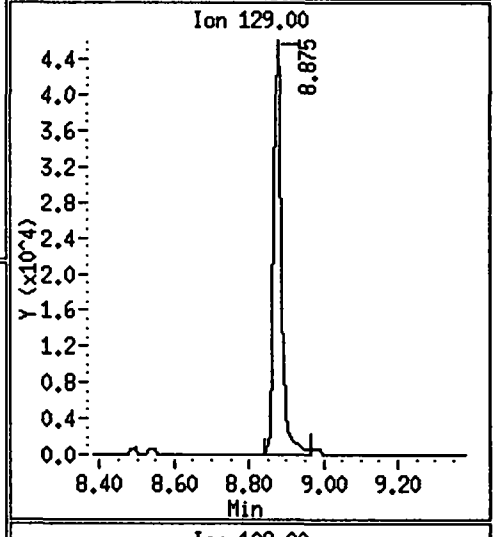


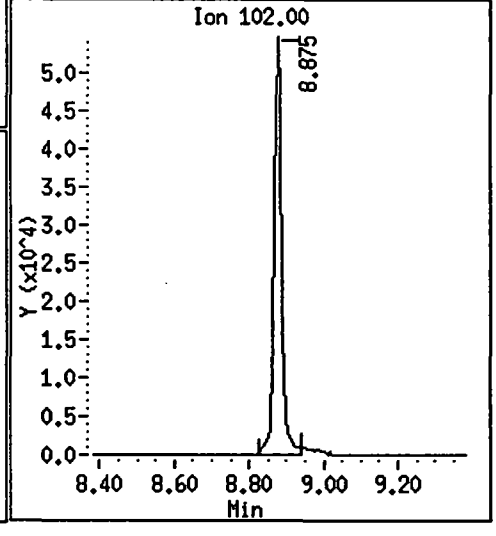












Data File: /wplcsdisk2/hp72a.i/090394.b/a1436.d

Date : 03-SEP-1994 23:37

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-31

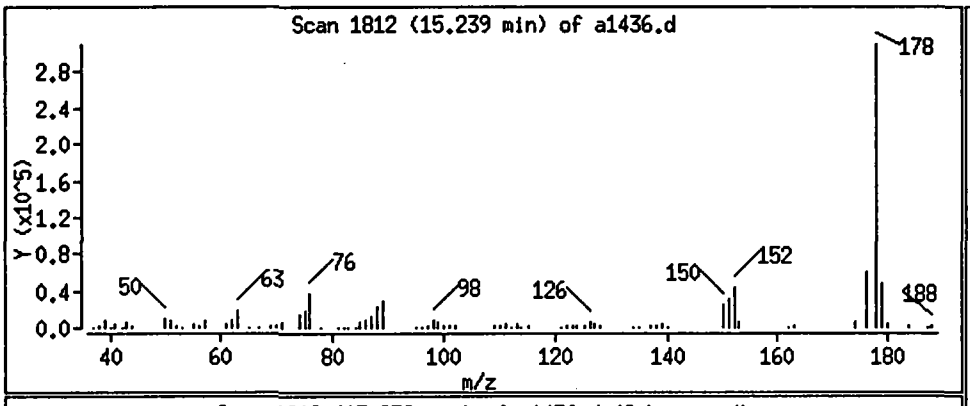
Volume Injected (uL): 1.0

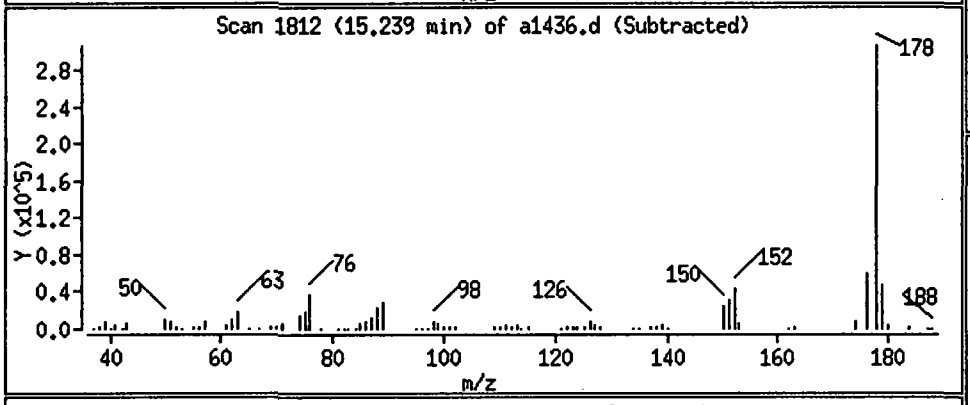
Operator:

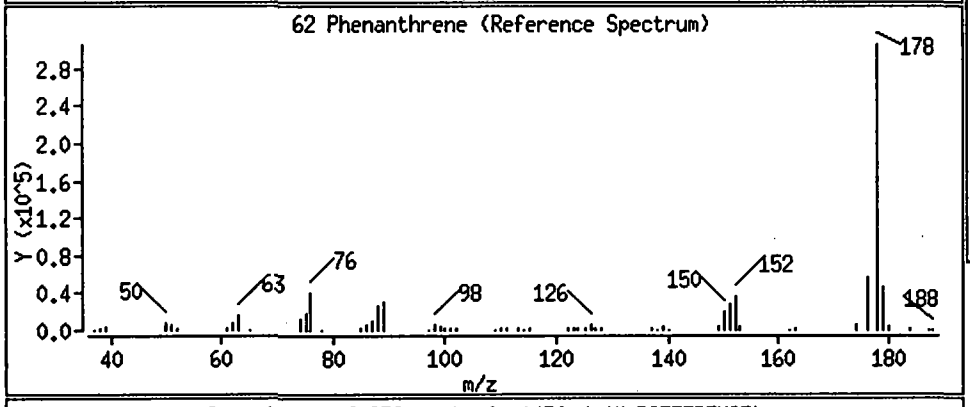
Column phase: hp-5MS

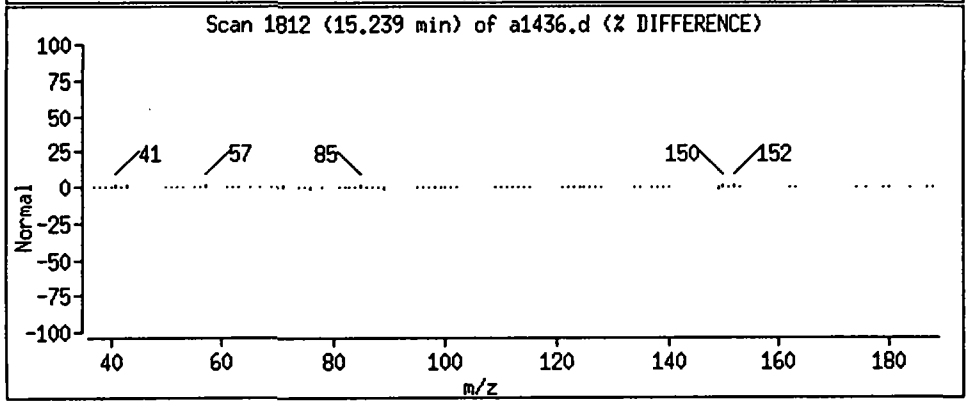
Column diameter: 0.25

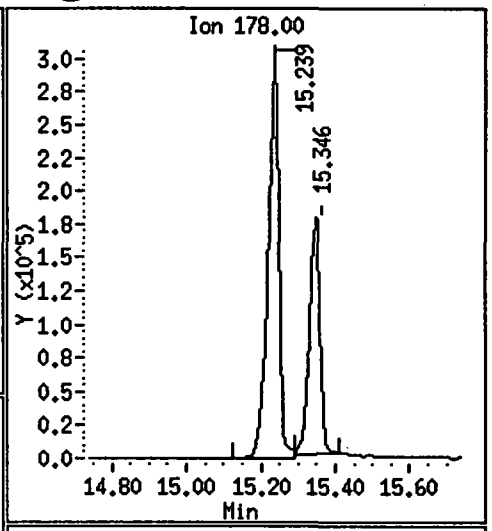
62 Phenanthrene

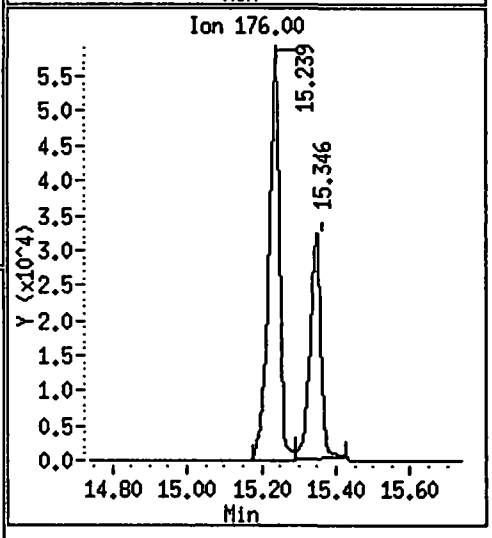












Data File: /wplcsdisk2/hp72a.i/090394.b/a1436.d

Date : 03-SEP-1994 23:37

Lab Sample ID:

Instrument: hp72a.i

Sample Info: PRC/BNA/5:200/S-2/0826-31

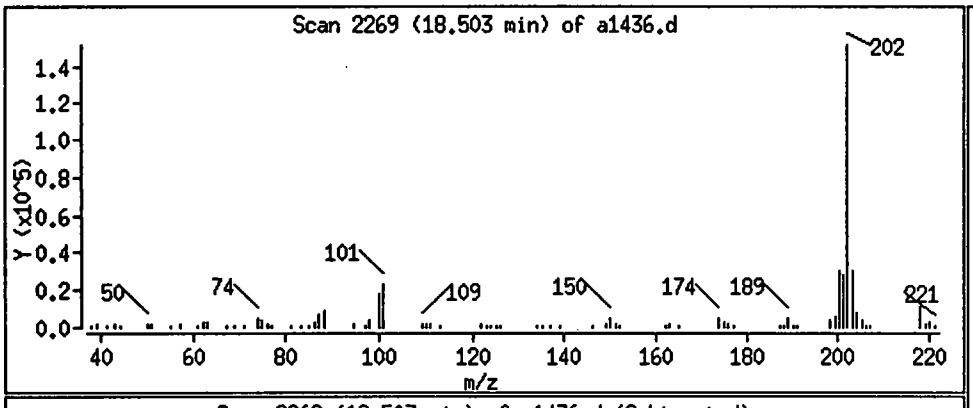
Volume Injected (uL): 1.0

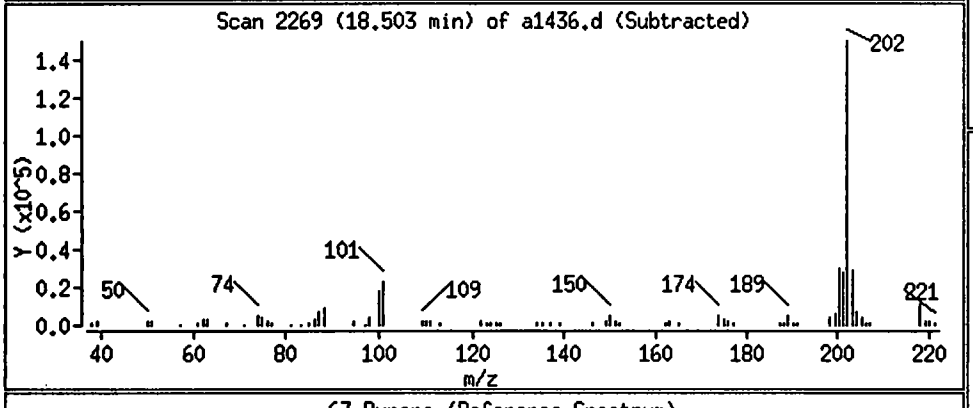
Operator:

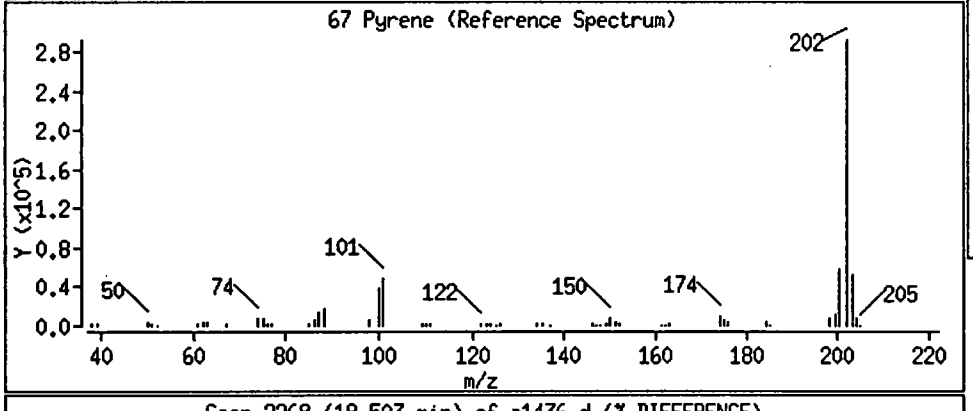
Column phase: hp-5MS

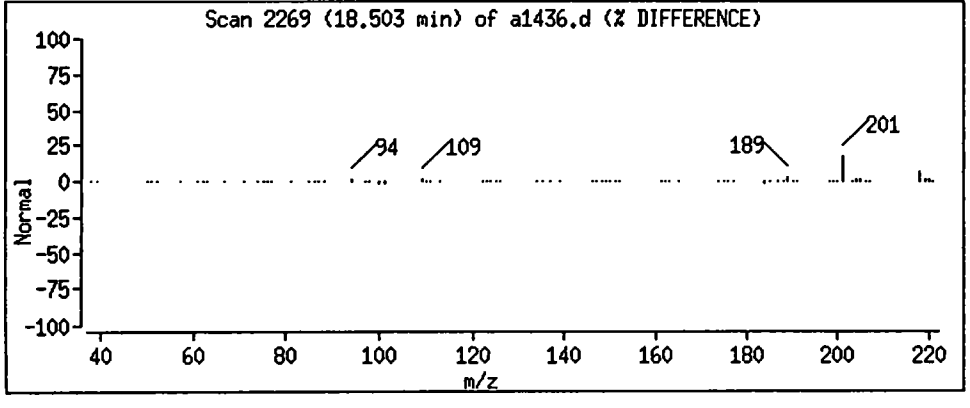
Column diameter: 0.25

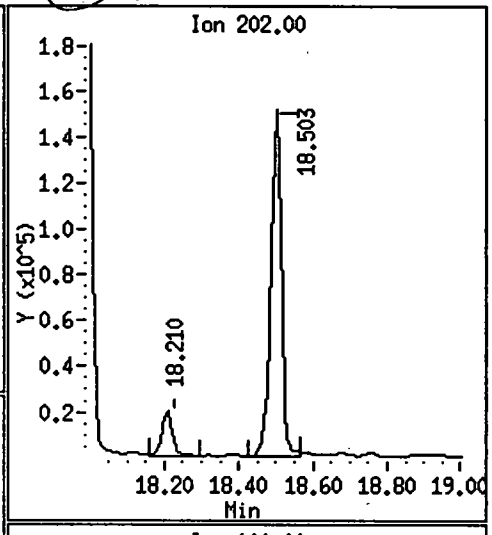
67 Pyrene

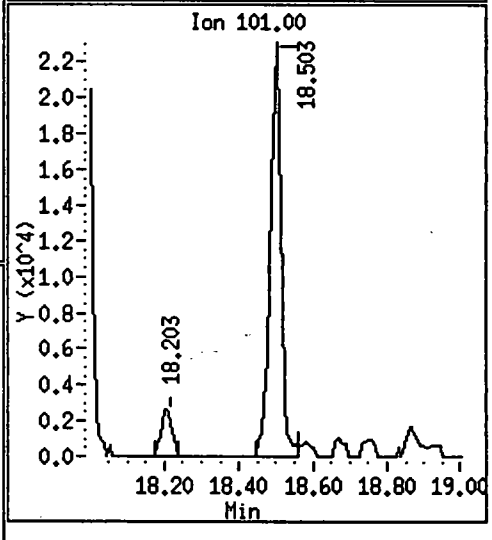












Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260053
CLIENT ID : SBA-14
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:50

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 02:03
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	1.16	0.7	0.05	10	8240
Trichloroethylene	1.37	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

Do not use this form.
GZ

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

CONFIDENTIAL

0000578

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2466::D1
Data File: >P2466::D2
Name: 0906VBLK
Misc: METHOD BLANK

Quant Rev: 6 Quant Time: 940906 07:23
Injected at: 940906 06:53
Dilution Factor: 1.00000

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 ~~06:11~~ 08:02

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.71	1129	12068	50.00	PPB	76
11)	Methylene chloride	10.65	807	3443	6.18 ~~7.93~~	PPB	77
20)	*1,4-DIFLUOROBENZENE	15.96	1307	57398	50.00	PPB	87
22)	1,2-DICHLOROETHANE-D4	16.01	1232	21116	49.17 ~~47.13~~	PPB	79
31)	TOLUENE-D8	19.86	1537	49900	51.65 ~~50.59~~	PPB	97
35)	*CHLOROBENZENE-D5	22.53	1749	42800	50.00	PPB	91
40)	Chlorobenzene	22.60	1754	1034	1.74 ~~1.25~~	PPB	95
46)	BROMOFLUOROBENZENE	24.64	1916	40734	57.06 ~~54.81~~	PPB	67
48)	1,3-Dichlorobenzene	26.52	2065	148	.21 ~~.24~~	PPB	91
49)	1,4-Dichlorobenzene	26.52	2065	148	.17 ~~.20~~	PPB	91

* Compound is ISTD

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 08/28/94

Lab File ID : >G6396 Time Analyzed: 00:19

	0827VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	10763		3.94		60502	4.64		51958	7.00	
	UPPER LIMIT	21526		4.44		121004	5.14		103916	7.50	
	LOWER LIMIT	5381.5		3.44		30251	4.14		25979	6.50	
	SAMPLE NO.										
01	0827VBLK	10058		4.07		55522	4.76		48939	7.04	
02	9408260039	10075		4.07		57063	4.77		50849	7.05	
03	9408260053	10322		4.09		56497	4.78		50080	7.06	
04	9408260038	9877		4.08		52613	4.78		47782	7.06	
05	9408260031	9525		4.08		50379	4.79		46070	7.06	
06	9408260040	9724		4.08		51953	4.78		47518	7.06	
07	9408260030	9088		4.08		48079	4.78		44172	7.05	
08	9408260034	9498		4.08		52248	4.78		47484	7.05	
09	9408260049	9186		4.08		50821	4.79		46738	7.05	
10	9408260050	9128		4.08		51835	4.79		47125	7.06	
11	9408260032	9283		4.08		51300	4.77		46733	7.05	
12	9408260033	9532		4.08		53371	4.78		48408	7.05	
13	9408260037	9735		4.08		54362	4.78		48511	7.04	
14	9408260041	9625		4.07		53963	4.77		48465	7.04	
15	9408260048	9766		4.08		53913	4.78		46327	7.05	
16			*		*			*			*
17			*		*			*			*
18			*		*			*			*
19			*		*			*			*
20			*		*			*			*
21			*		*			*			*
22			*		*			*			*

SAB 01/19/95

	QC LIMITS
IS1 (BCM) = Bromochloromethane	(84-138)
IS2 (DFB) = 1,4-Difluorobenzene	(59-113)
IS3 (CBZ) = Chlorobenzene-d5	(70-121)

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 THE INTERNAL STANDARD RT

Column to be used to flag recovery values

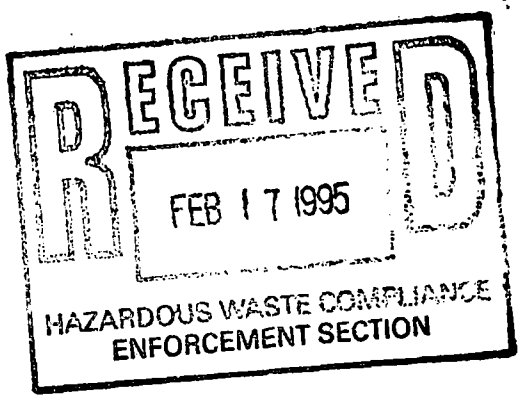
* Values outside required QC limits

To: Mahmoud El-Feky

From: Scott Bailey

Date: 02/08/95

Re: Response to RCRA case 9403016



BNA

1. DFTPP is being submitted.

2. Form V's are being submitted.

3. Benzo (a) pyrene spectra is being submitted.

4. Spectra for TCLP samples is being submitted.

5. Form 4B has been corrected.

6. Blank Form I/surrogate recoveries are being submitted.

VOA

1. BFB is being submitted.

2. Form V's have been corrected.

3. Form V 09/08/94 (2141) is being submitted.

4. Blank results/surrogates are being submitted.

5. Quantitation ions are being submitted.

6. TCLP sample SBA-14
a. The 10 dilution factor was typed into the misc header on the quantitation report. The 10 dilution was not place in the dilution field that would elevate all results by 10. Since a 1 was placed in this dilution field the results were not adjusted for the dilution.

b. The concentrations have been corrected.

Data File: /chem/hp72a.i/083194#2.b/a1330.d

Date : 01-SEP-94 03:29

Instrument : hp72a.i

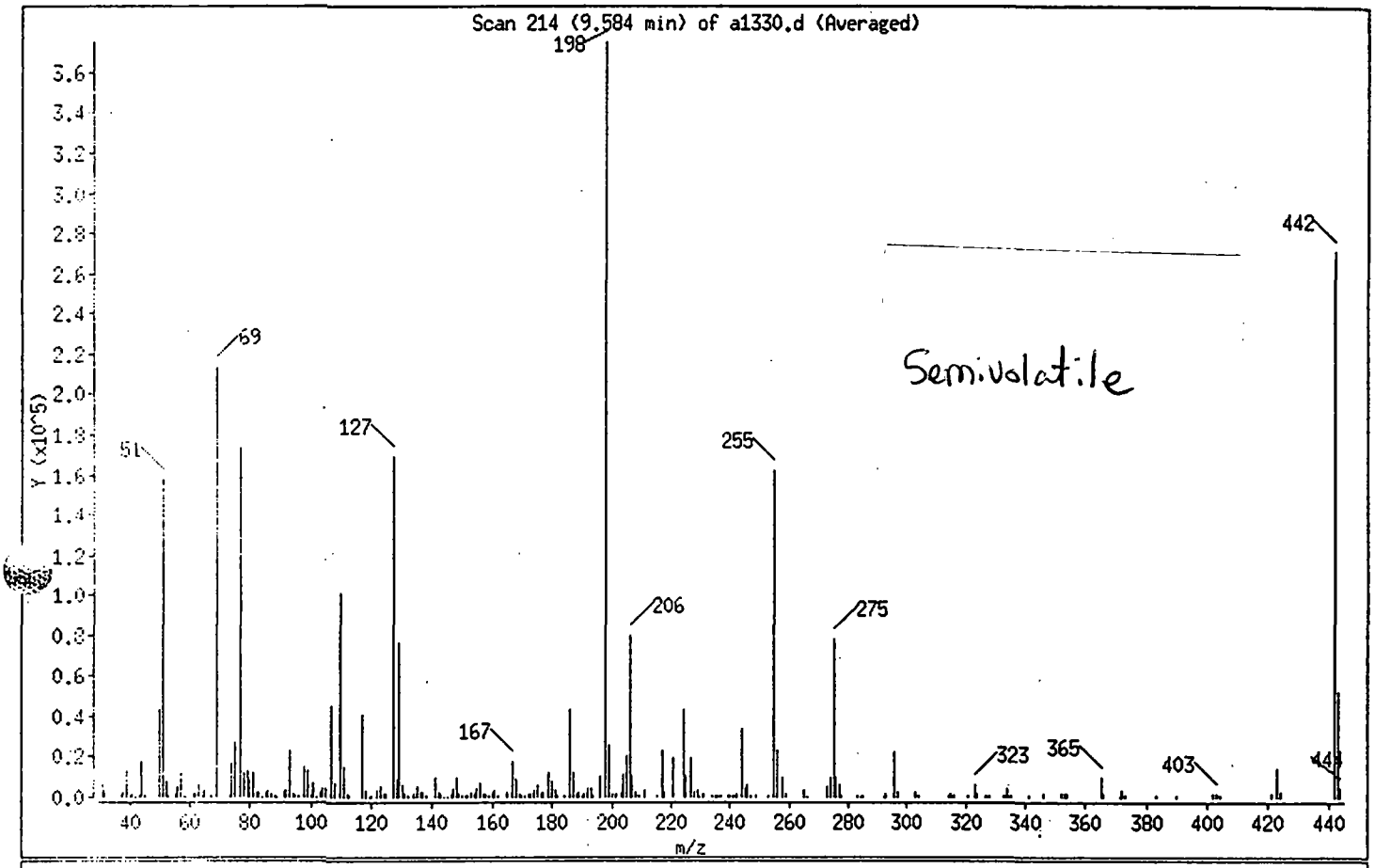
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	42.1
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	56.7
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	45.2
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.8
275	10.00 - 30.00% of mass 198	20.7
365	Greater than 1.00% of mass 198	2.5
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	72.4
443	17.00 - 23.00% of mass 442	19.2

Data File: /chem/hp72a.i/083194#2.b/a1330.d

Date : 01-SEP-94 03:29

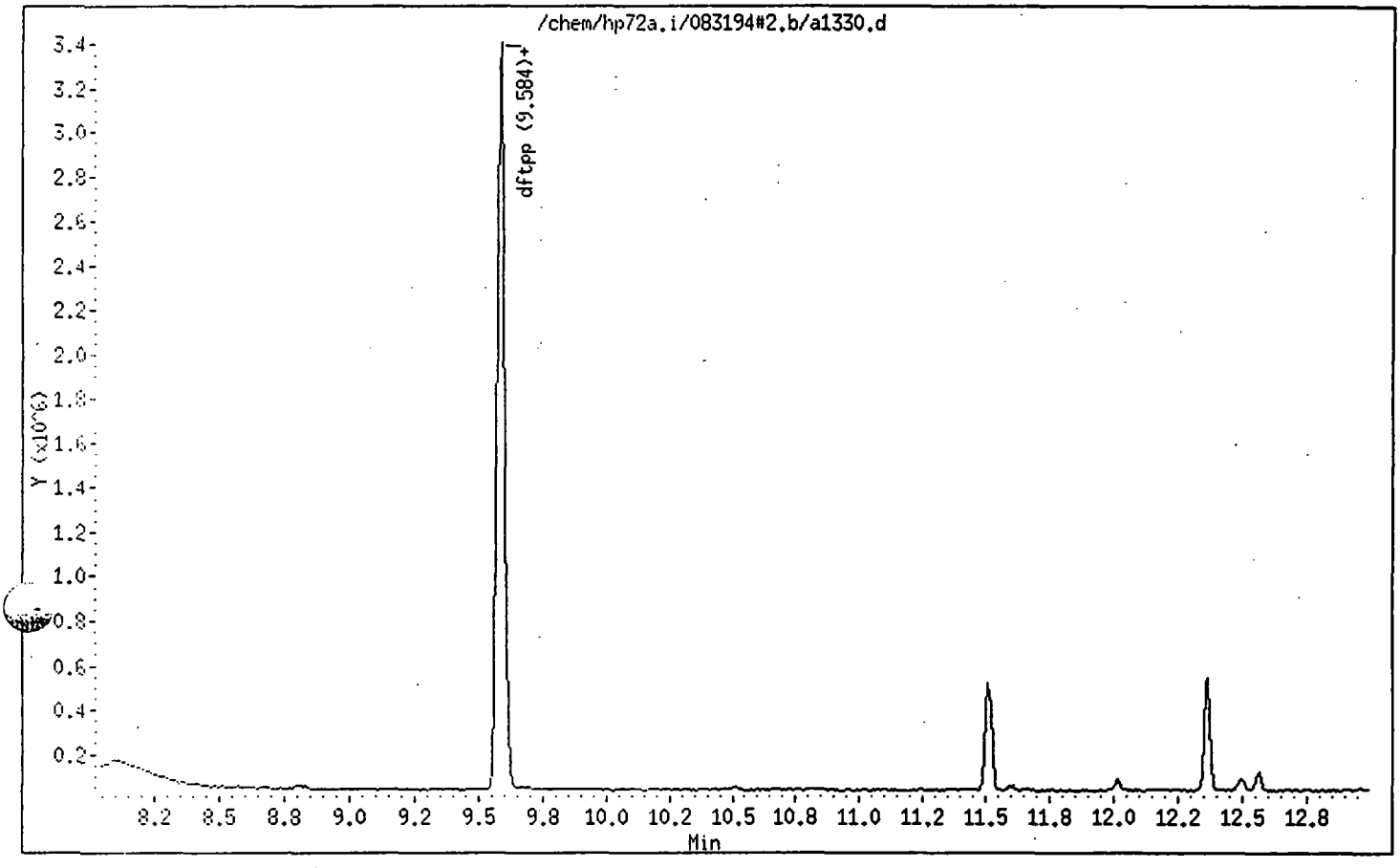
Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0



Data File: /chem/hp72a.i/083194#2.b/a1330.d

Date : 01-SEP-94 03:29

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 214-216 (9.584 min), Subtraction Scan 207

Location of Maximum: 198.00

Number of points: 218

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	6301	108.00	6931	175.00	6195	255.00	162560
37.00	840	110.00	101066	176.00	1753	256.00	23277
38.00	2433	111.00	14712	177.00	2795	258.00	9588
39.00	12868	112.00	1911	179.00	12537	259.00	1420
40.00	1039	113.00	768	180.00	8034	265.00	3785
41.00	145	117.00	40802	181.00	3711	266.00	368
42.00	209	118.00	3216	182.00	678	273.00	5480
43.00	952	119.00	385	184.00	645	274.00	10112
50.00	43842	120.00	468	186.00	43829	275.00	77589
51.00	157938	122.00	3612	187.00	12825	276.00	10042
52.00	7946	123.00	5194	188.00	1371	277.00	6598
53.00	650	124.00	2210	189.00	2852	278.00	1020
55.00	697	125.00	1943	190.00	563	283.00	642
56.00	5197	127.00	169685	191.00	1494	284.00	182
57.00	11048	128.00	9238	192.00	4127	285.00	1134
58.00	720	129.00	76242	193.00	4127	292.00	183
59.00	179	130.00	6046	194.00	961	293.00	1460
61.00	2189	131.00	1443	196.00	10558	296.00	21762
62.00	2303	132.00	642	198.00	374997	297.00	2698
63.00	5764	134.00	1991	199.00	25496	303.00	2433
64.00	785	135.00	5701	200.00	1911	304.00	638
65.00	3157	136.00	2322	202.00	1607	314.00	988
67.00	818	137.00	3061	203.00	2537	315.00	2201
69.00	212516	138.00	488	204.00	11499	316.00	1279
73.00	1269	141.00	9433	205.00	20818	321.00	653
74.00	16763	142.00	3081	206.00	79656	323.00	6645
75.00	27338	143.00	2209	207.00	10772	324.00	1333
77.00	173717	144.00	179	208.00	2606	327.00	1329
78.00	12090	145.00	177	209.00	986	328.00	495
79.00	13674	146.00	1628	211.00	3430	333.00	447
80.00	9141	147.00	4380	215.00	908	334.00	4273
81.00	12821	148.00	10006	217.00	22722	335.00	1105
82.00	3010	149.00	2148	218.00	2986	341.00	712
83.00	2980	150.00	734	221.00	19135	346.00	1524
84.00	370	151.00	1127	224.00	43221	352.00	1955

Data File: /chem/hp72a.i/083194#2.b/a1330.d

Date : 01-SEP-94 03:29

Instrument : hp72a.i

Sample ID :

Column phase : Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 214-216 (9.584 min), Subtraction Scan 207

Location of Maximum: 198.00

Number of points: 218

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	2549	152.00	680	225.00	10770	353.00	1450
86.00	3705	153.00	2895	227.00	19260	354.00	2153
87.00	1630	154.00	2042	228.00	2711	365.00	9511
88.00	618	155.00	4637	229.00	3908	366.00	1375
89.00	187	156.00	6988	230.00	404	371.00	221
91.00	3557	157.00	1463	231.00	1472	372.00	3744
92.00	3587	158.00	1549	234.00	1144	373.00	943
93.00	22728	159.00	1136	235.00	1304	383.00	975
94.00	1640	160.00	2791	236.00	924	390.00	448
95.00	731	161.00	3841	237.00	1281	402.00	1640
96.00	850	162.00	1149	239.00	710	403.00	2163
98.00	15381	165.00	3025	240.00	667	404.00	706
99.00	12871	167.00	17385	241.00	929	421.00	1723
100.00	1036	168.00	8673	242.00	2110	423.00	14565
101.00	7052	169.00	1430	244.00	33837	424.00	2953
102.00	169	170.00	642	245.00	4672	442.00	271594
103.00	2415	171.00	791	246.00	6513	443.00	52106
104.00	4283	172.00	1672	247.00	1285	444.00	4851
105.00	4236	173.00	2023	249.00	1172		
107.00	45562	174.00	3429	253.00	829		

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: A1330 **DFTPP Injection Date: 09/01/94**

DFTPP Injection Time: 03:29

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	42.1
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	56.7
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	45.2
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.8
275	10.00 - 30.00% of mass 198	20.7
365	Greater than 1.00% of mass 198	2.5
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	72.4
443	17.00 - 23.00% of mass 442	19.2

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	SSTD050	A1331	09/01/94	03:50
02	SSTD020	A1332	09/01/94	04:27
03	SSTD080	A1333	09/01/94	05:04
04	SSTD120	A1334	09/01/94	05:41
05	SSTD160	A1335	09/01/94	06:18
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: A1520 **DFTPP Injection Date: 09/08/94**

DFTPP Injection Time: 09:21

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	46.0
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	63.1
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	46.7
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	7.0
275	10.00 - 30.00% of mass 198	22.5
365	Greater than 1.00% of mass 198	3.6
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	74.9
443	17.00 - 23.00% of mass 442	19.1

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0907SBLK02	A1522	09/08/94	10:21
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				

Data File: /wplcsdisk2/hp72a.i/090794.b/a1498.d

Date : 07-SEP-1994 21:00

Lab Sample ID: 0826-49 (SBA-12.)

Instrument: hp72a.i

Sample Info: PRC/BNA/5:20/S-2/0826-49

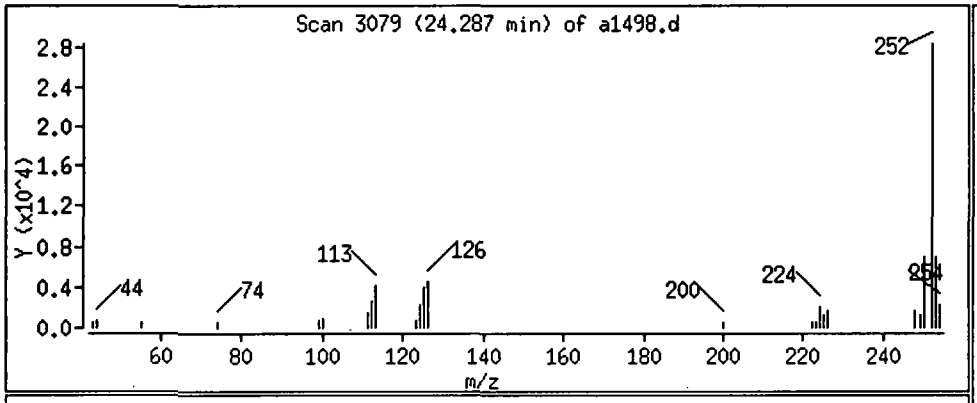
Volume Injected (uL): 1.0

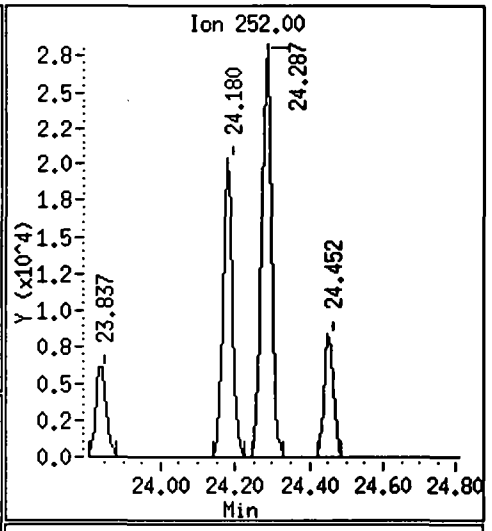
Operator:

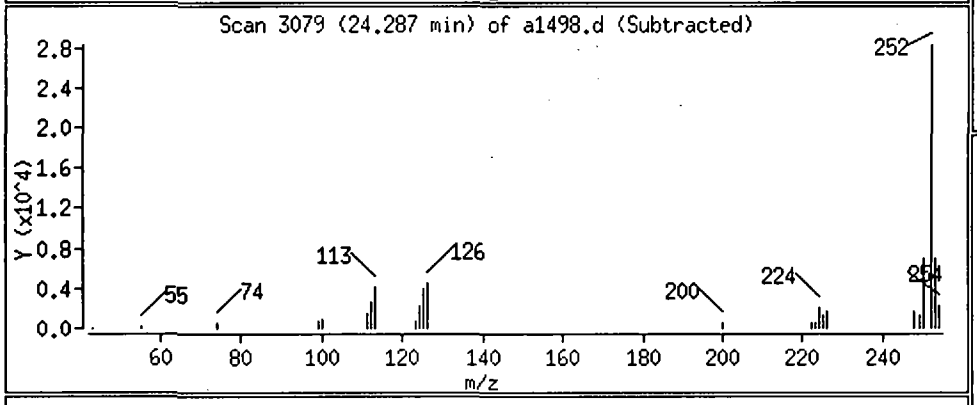
Column phase: hp-5MS

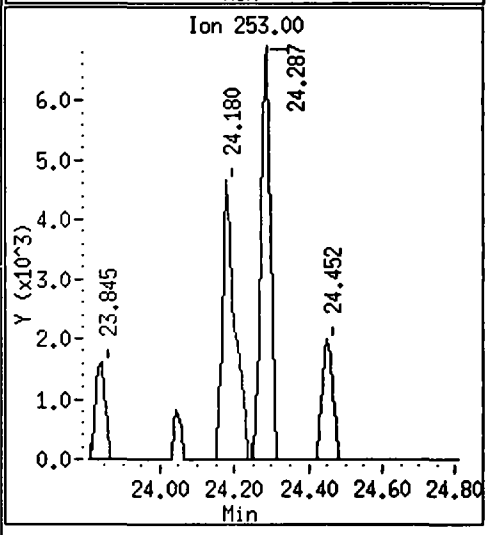
Column diameter: 0.25

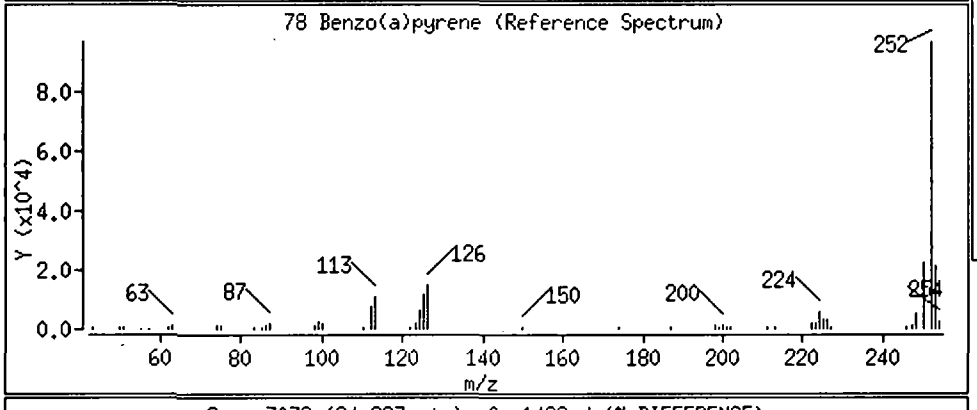
78 Benzo(a)pyrene

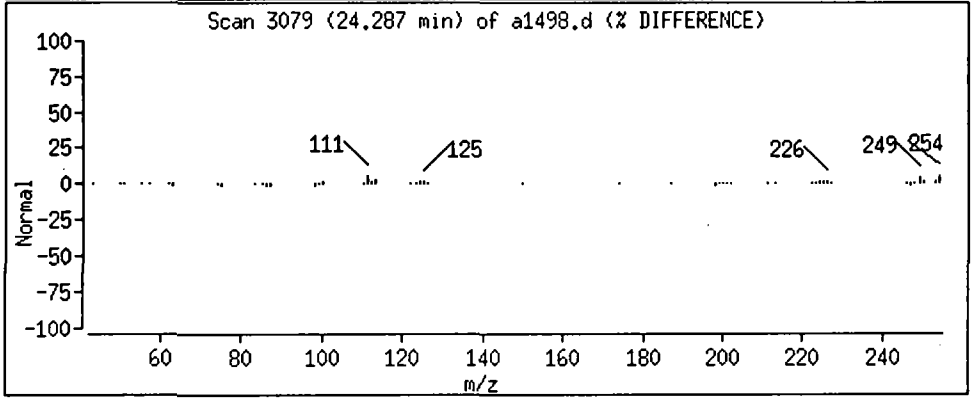












Data File: /wplcsdisk2/hp72a.i/090294.b/a1374.d

Date : 02-SEP-1994 11:56

SBA-04

Lab Sample ID:

Instrument: hp72a.i

Sample Info: 0826-33/PRC/TCP/200:1/S-1

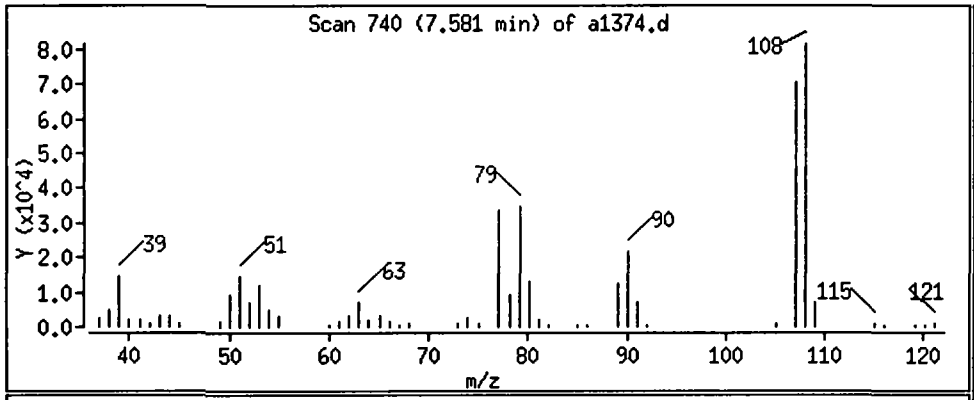
Volume Injected (uL): 1.0

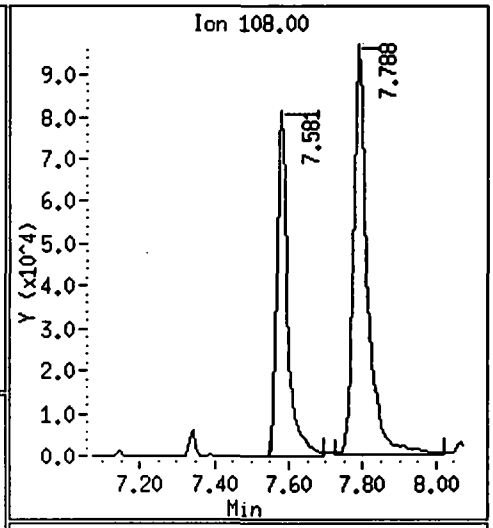
Operator:

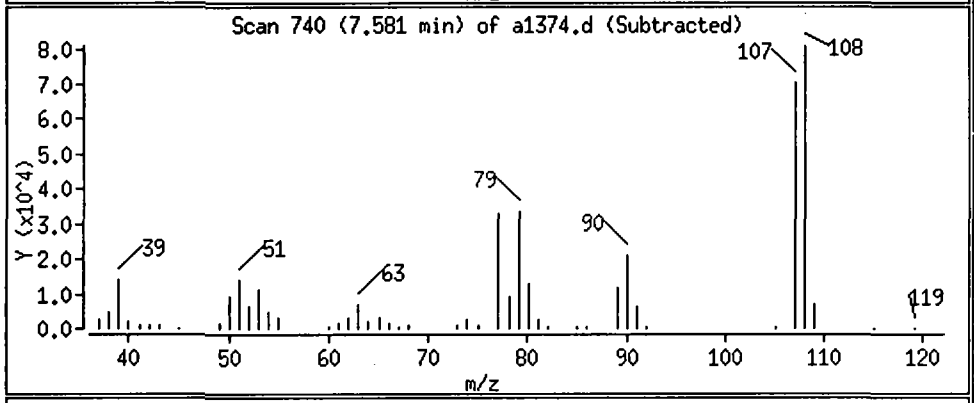
Column phase: hp-5MS

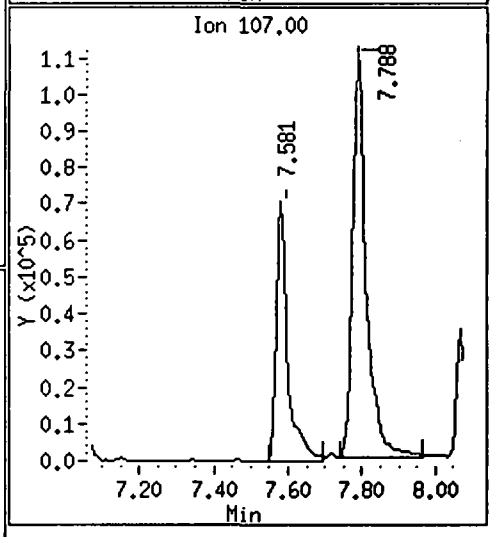
Column diameter: 0.25

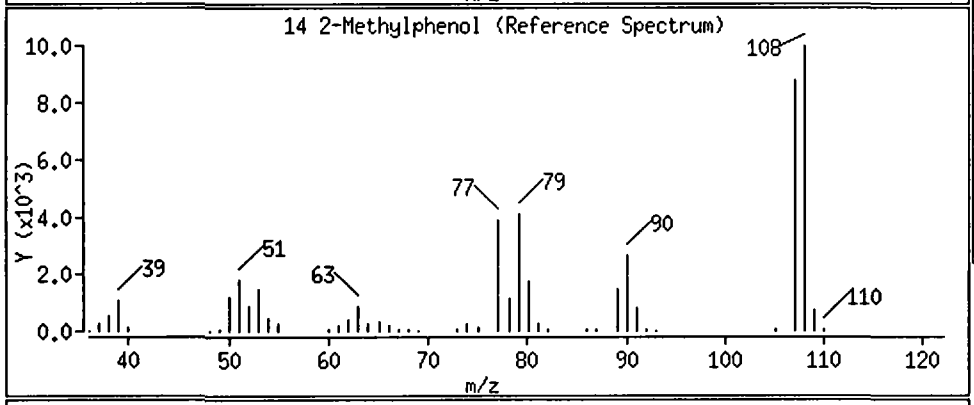
14 2-Methylphenol

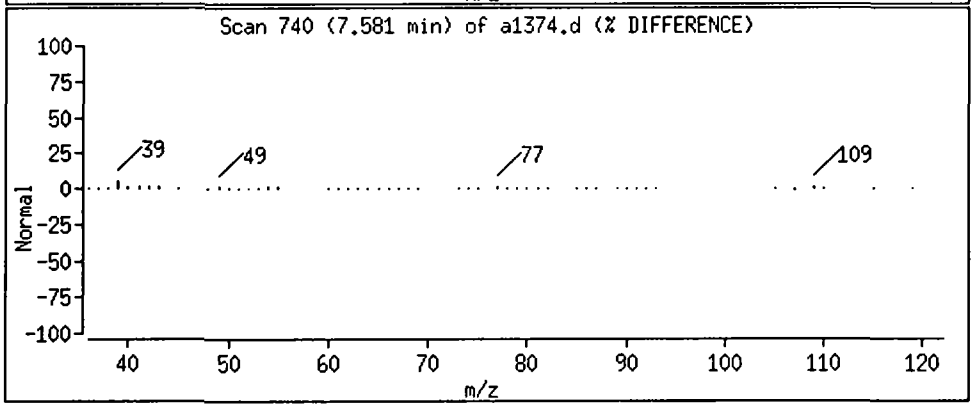












Data File: /wplcsdisk2/hp72a.i/090294.b/a1374.d

Date : 02-SEP-1994 11:56

Lab Sample ID: SBA-04

Instrument: hp72a.i

Sample Info: 0826-33/PRC/TCP/200:1/S-1

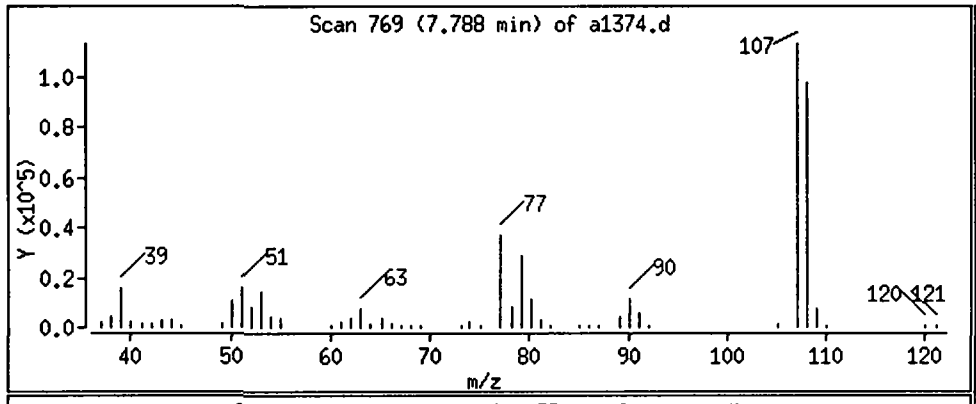
Volume Injected (uL): 1.0

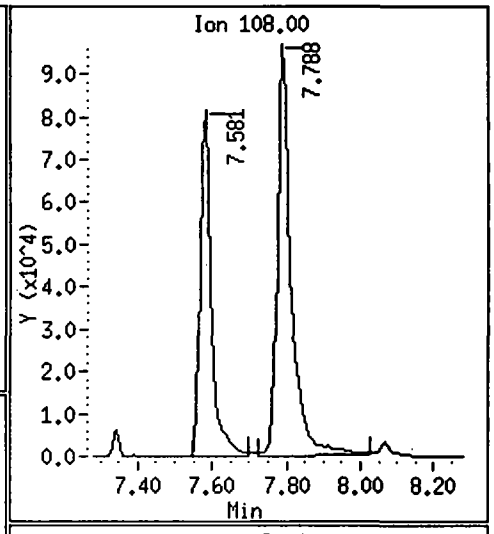
Operator:

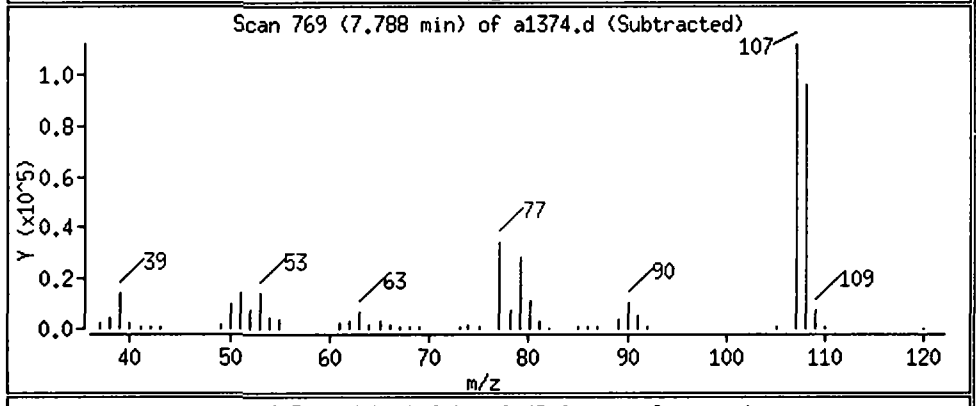
Column phase: hp-5MS

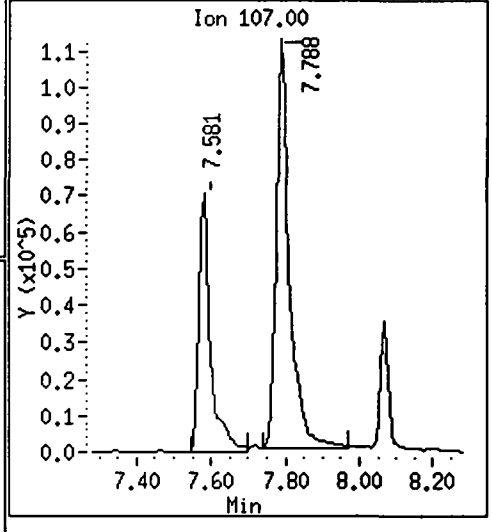
Column diameter: 0.25

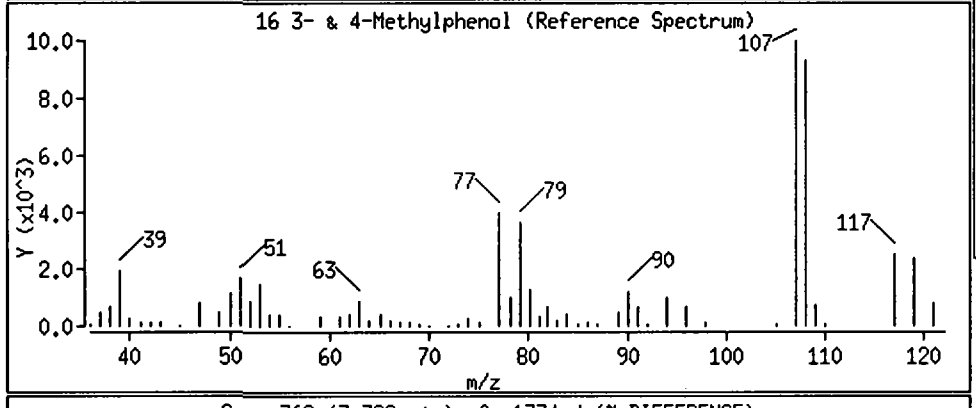
16 3- & 4-Methylphenol

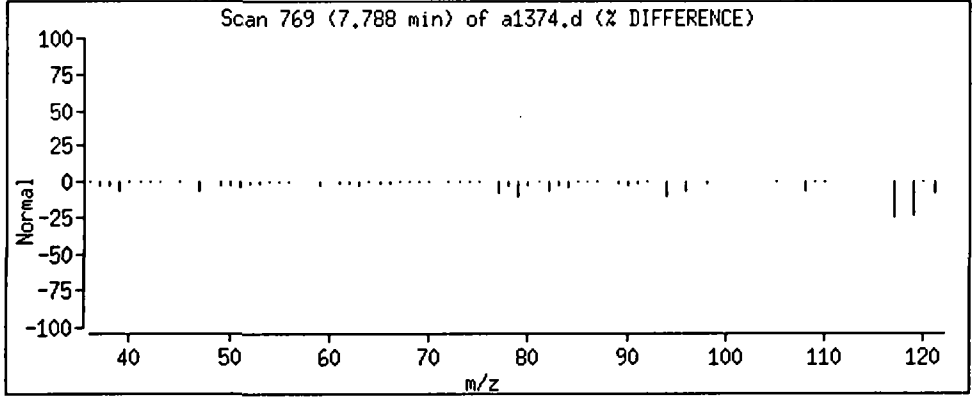












Data File: /chem/hp72a.i/090294.b/a1375.d

Date : 02-SEP-94 12:33

Instrument : hp72a.i

Sample ID : 0826-34

SBA-05

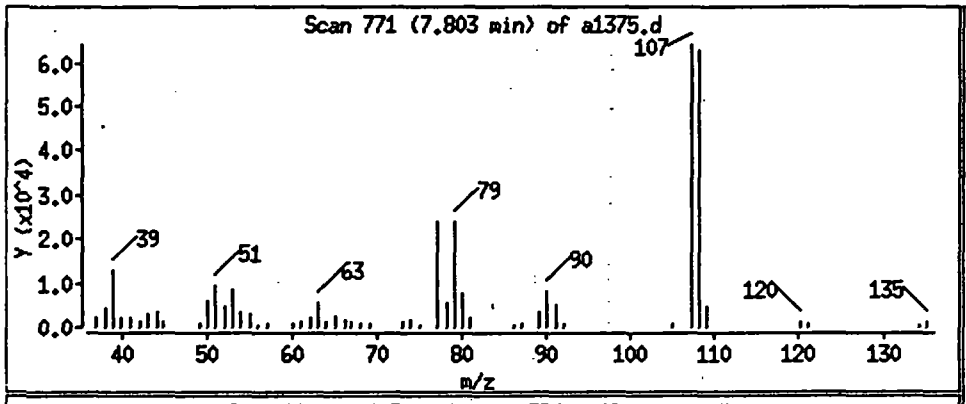
Column phase : hp-5MS

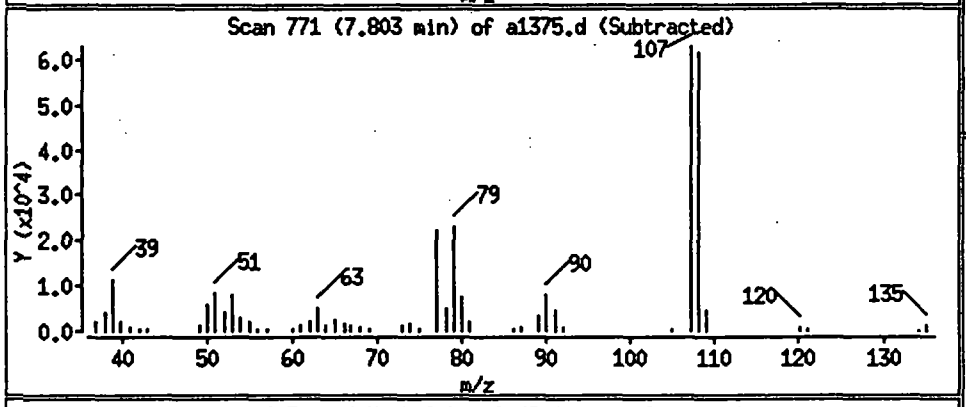
Column diameter : 0.25

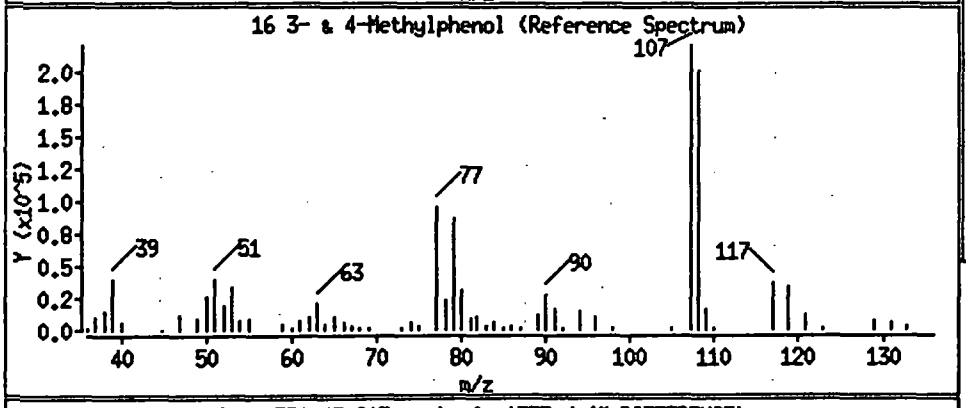
Volume Injected (uL) : 1.0

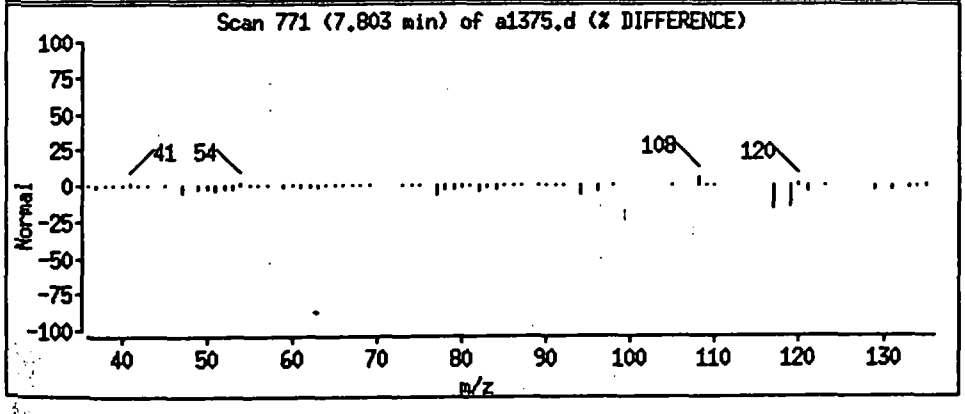
09/6/94

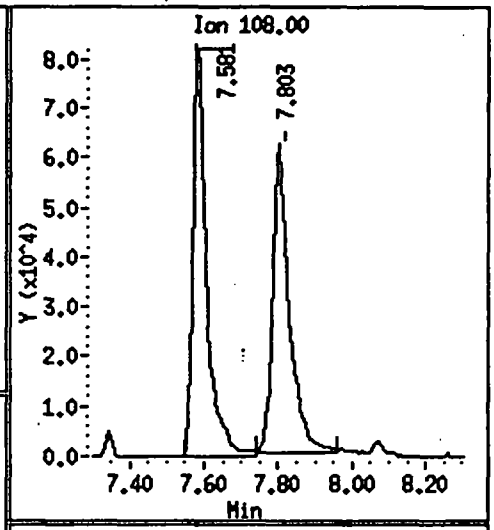
16 3- & 4-Methylphenol

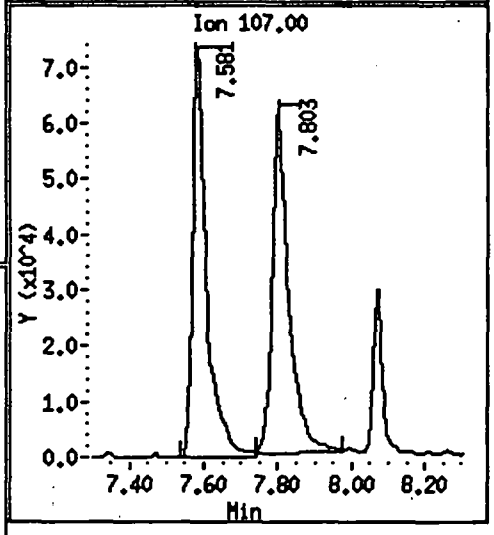












Data File: /chem/hp72a.i/090294.b/a1375.d

Date : 02-SEP-94 12:33

Instrument : hp72a.i

Sample ID : 08216-34 SVBA-05

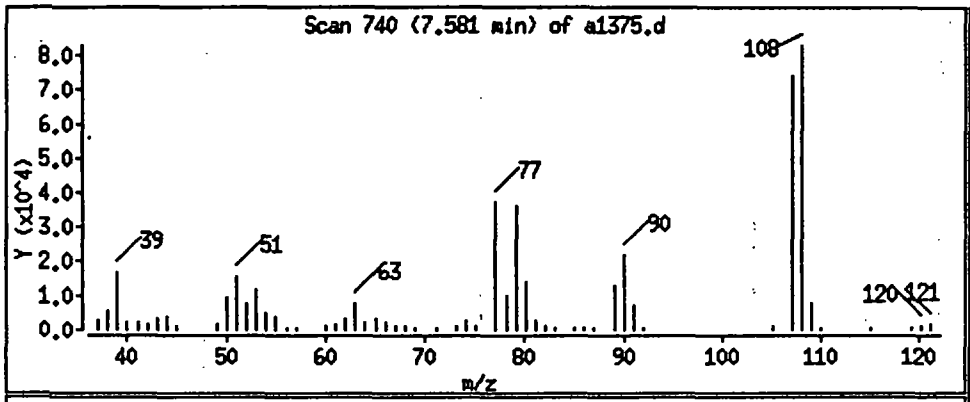
Column phase : hp-5MS

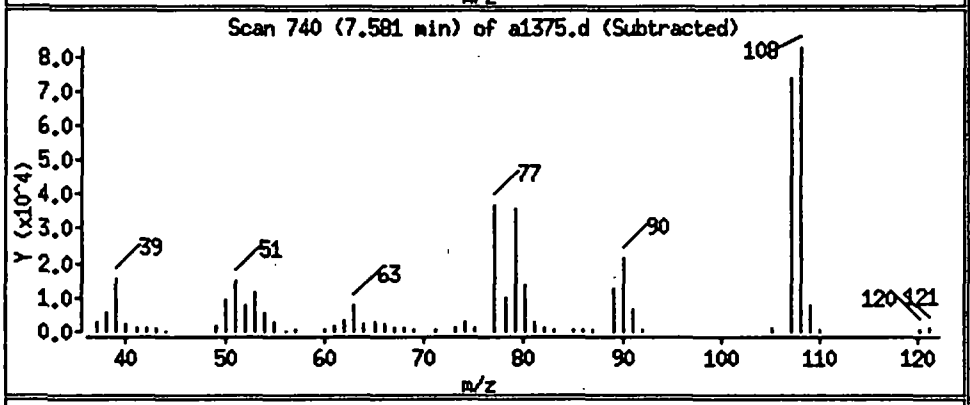
Column diameter : 0.25

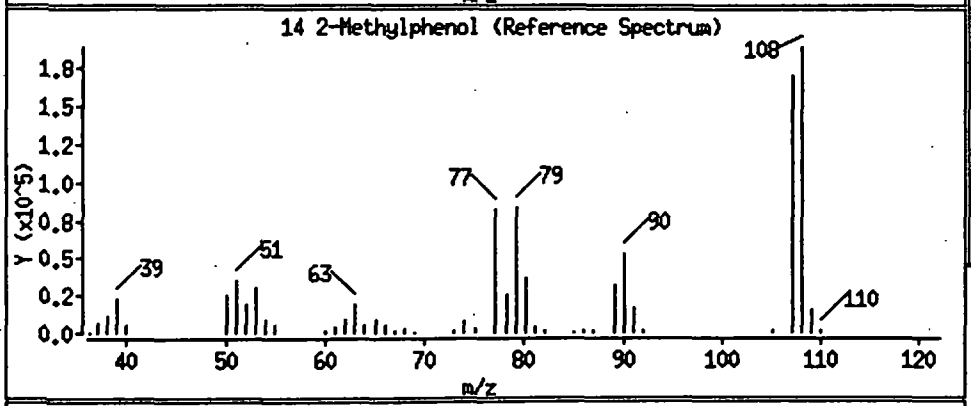
Volume Injected (uL) : 1.0

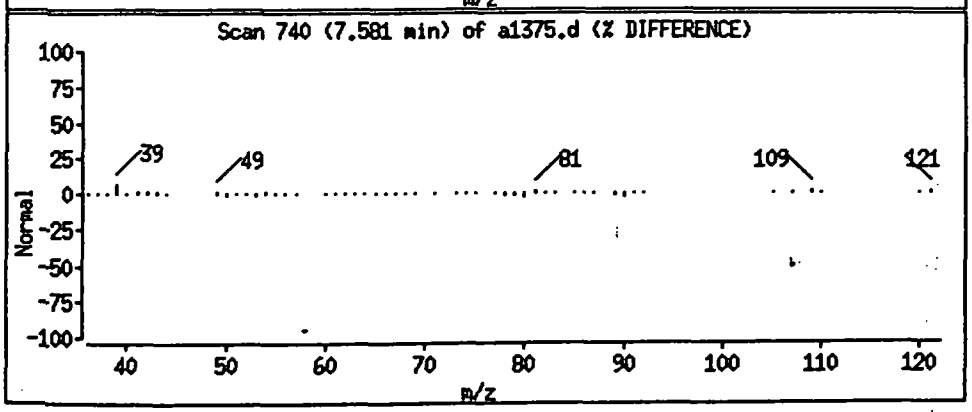
090694

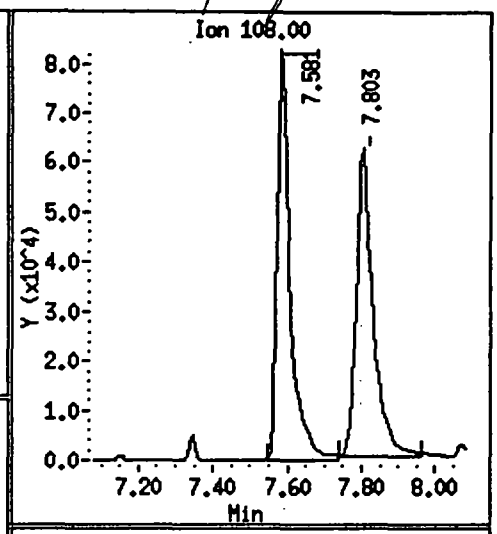
14 2-Methylphenol

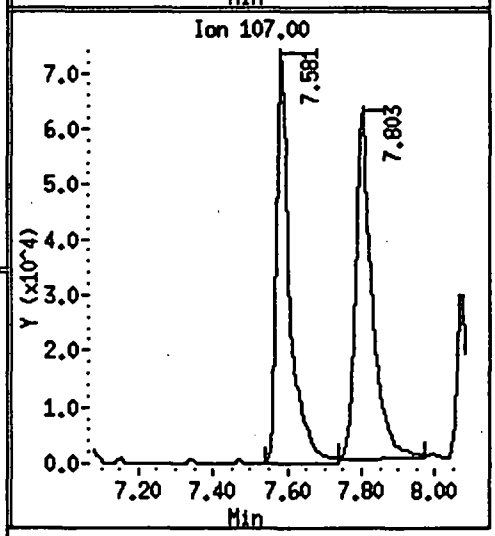












Data File: /chem/hp72a.i/090294.b/a1381.d

Date : 02-SEP-94 16:23

Instrument : hp72a.i

Sample ID : 0826-37 S18A-6

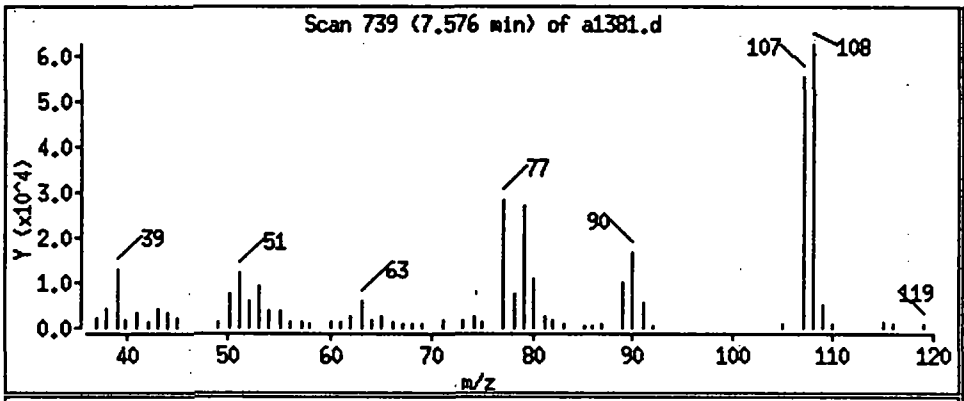
Column phase : hp-5MS

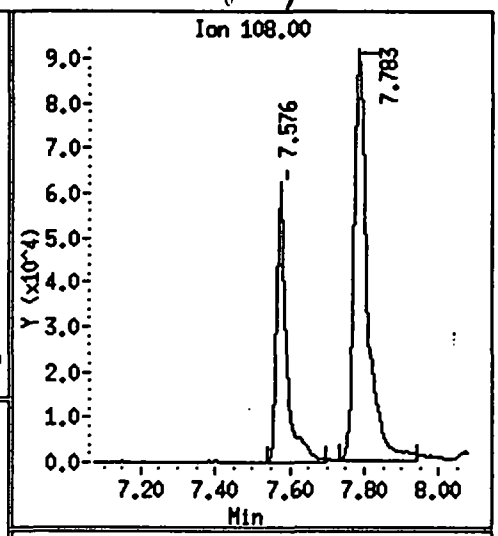
Column diameter : 0.25

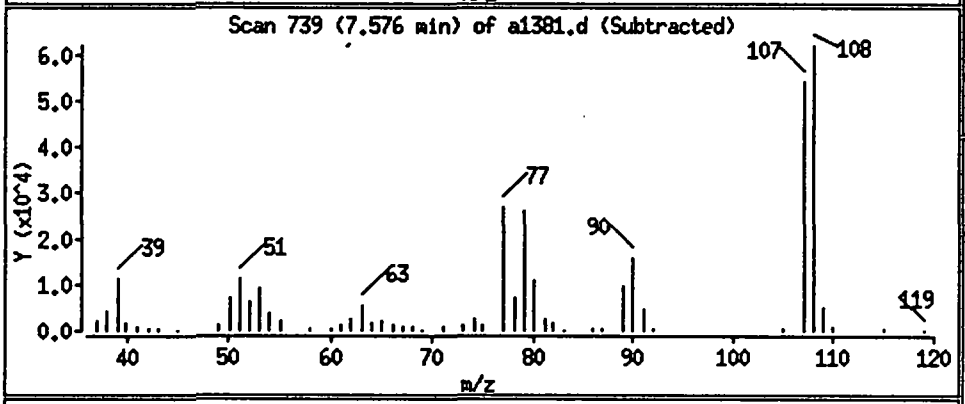
Volume Injected (uL) : 1.0

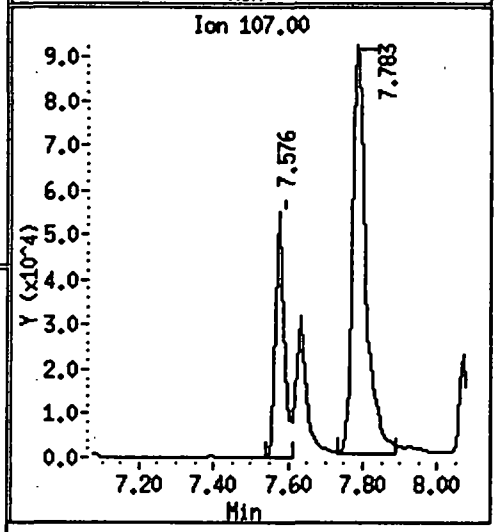
yes 9/6/90 BH

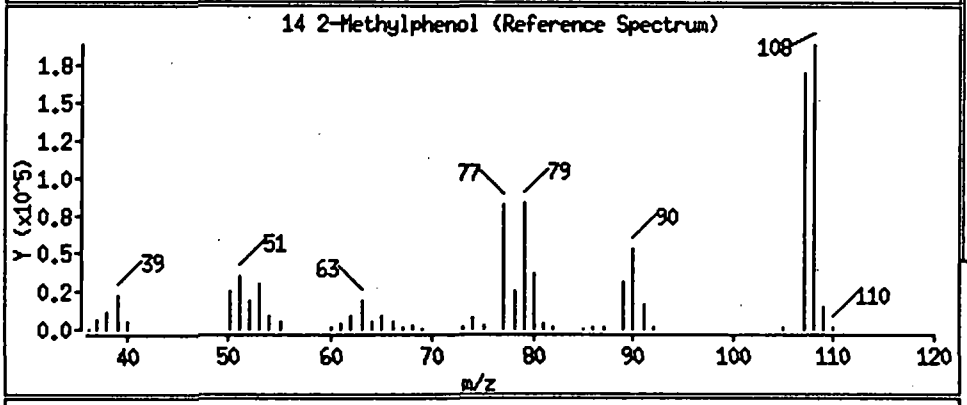
14 2-Methylphenol

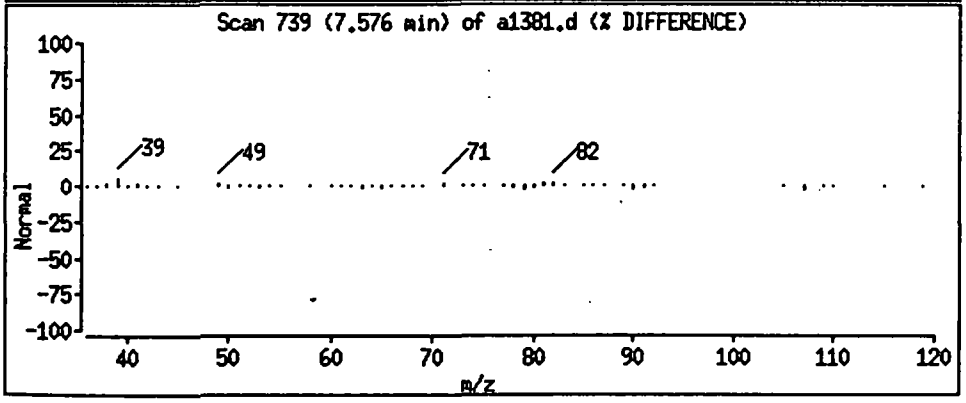












Data File: /chem/hp72a.i/090294.b/a1381.d

Date : 02-SEP-94 16:23

Instrument : hp72a.i

Sample ID : 0826-37 SBB-06

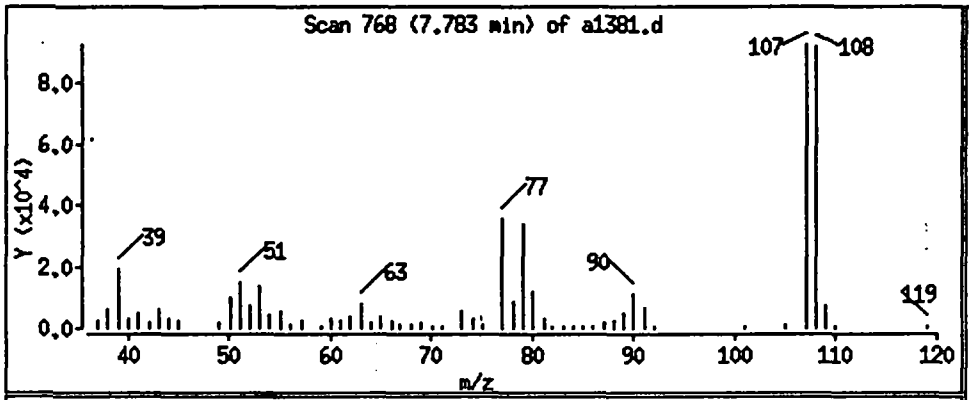
Column phase : hp-5MS

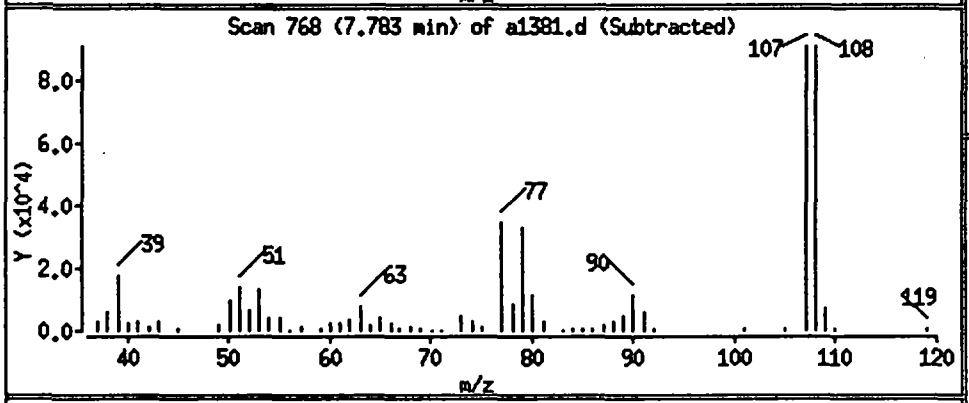
Column diameter : 0.25

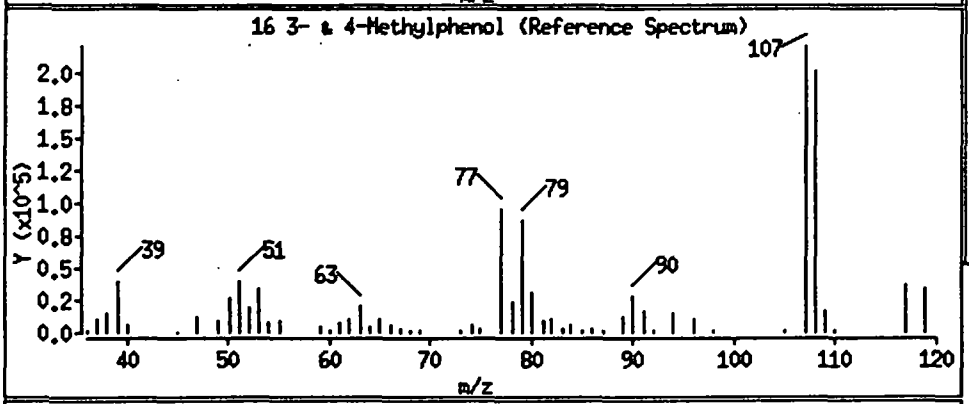
Volume Injected (uL) : 1.0

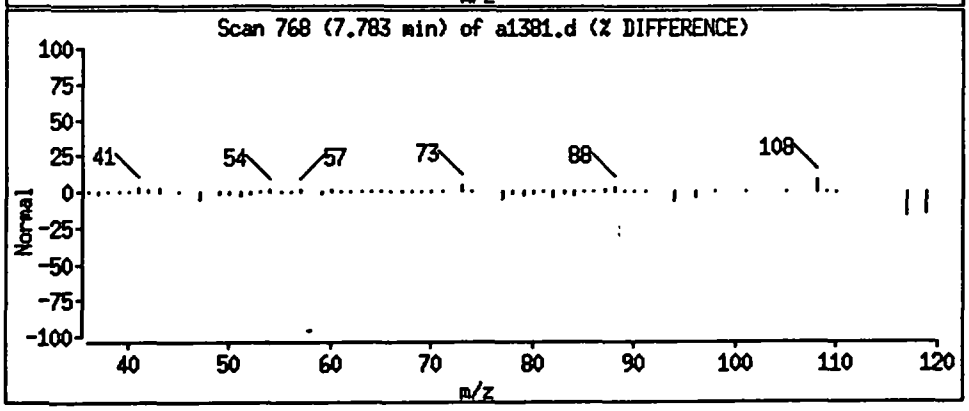
090694

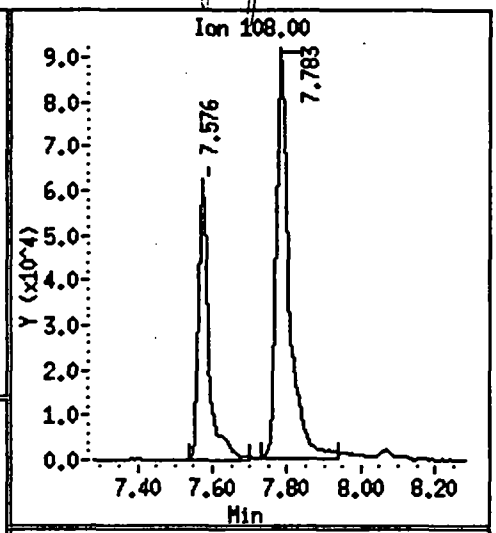
16 3- & 4-Methylphenol

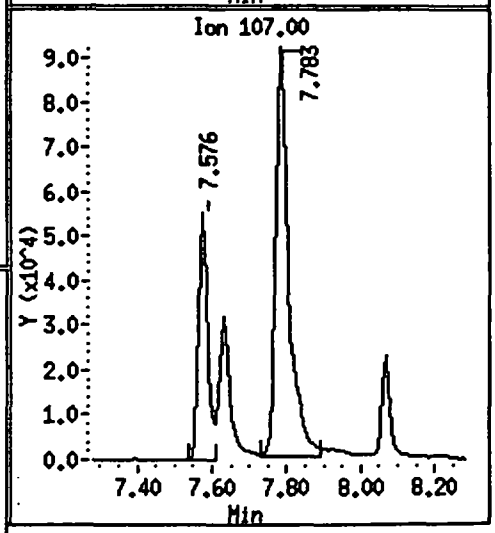












Data File: /chem/hp72a.i/090294.b/a1382.d

Date : 02-SEP-94 17:01

Instrument : hp72a.i

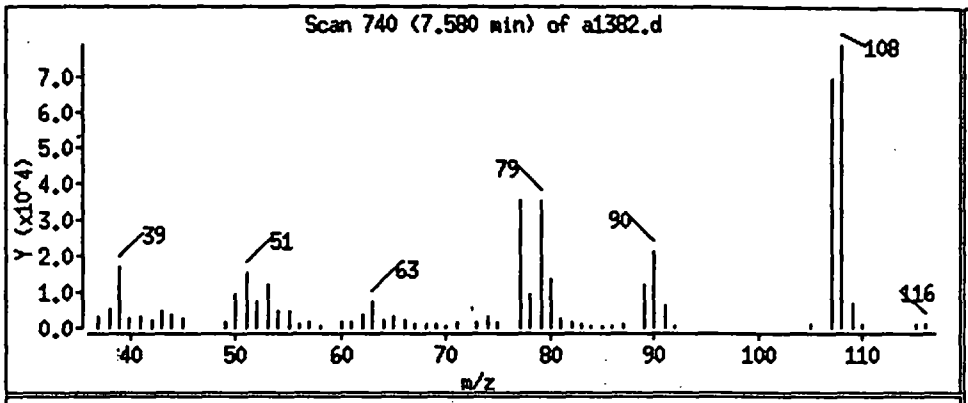
Sample ID : 0826-38 SBA-07

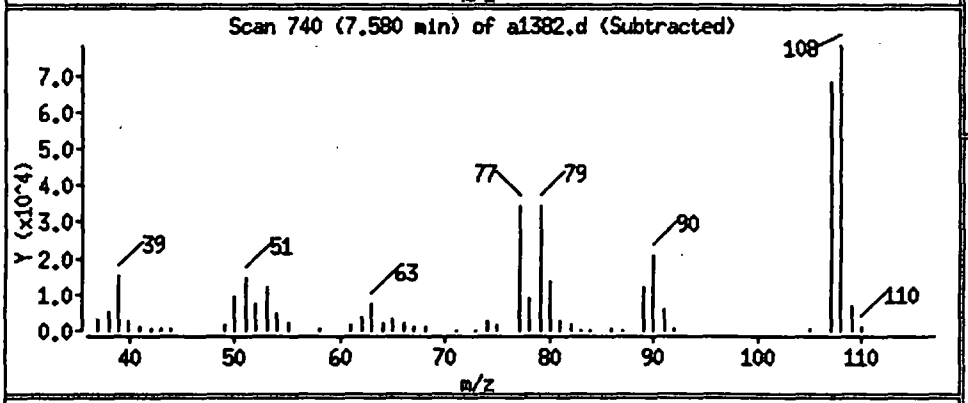
Column phase : hp-5MS

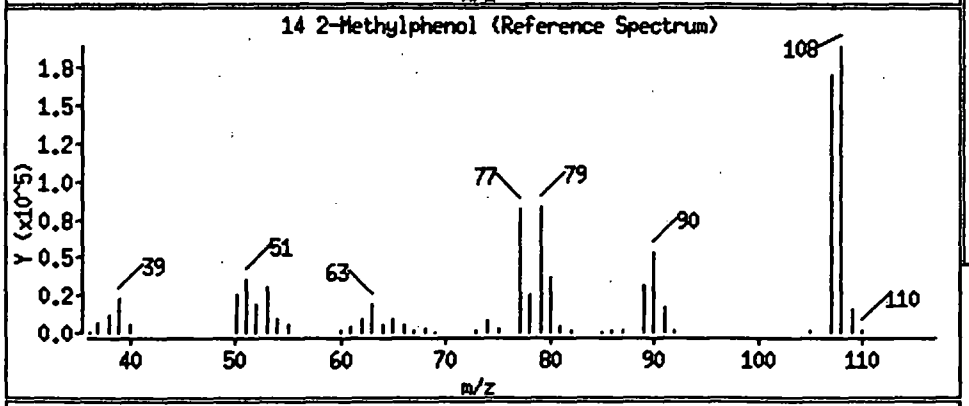
Column diameter : 0.25

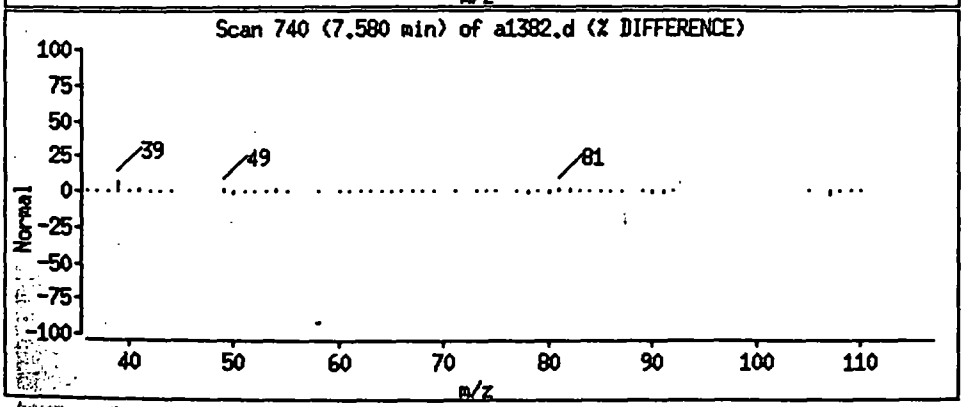
Volume Injected (uL) : 1.0

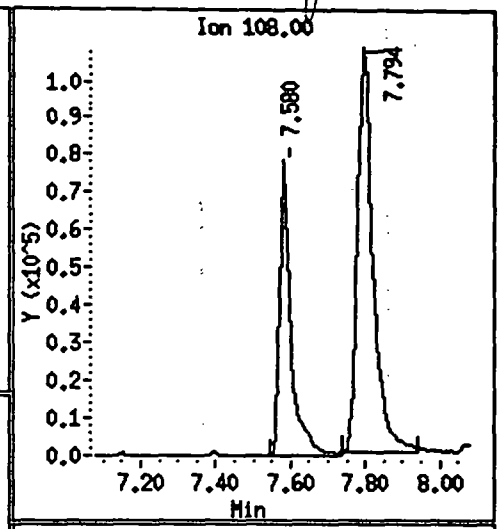
14 2-Methylphenol

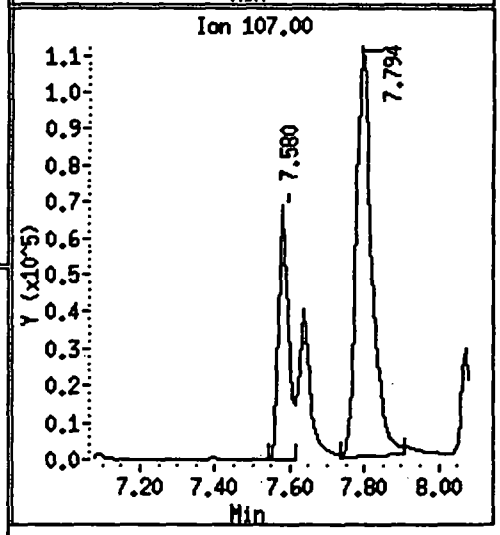












Data File: /chem/hp72a.i/090294.b/a1382.d

Date : 02-SEP-94 17:01

Instrument : hp72a.i

Sample ID : 0826-38 SBA-07

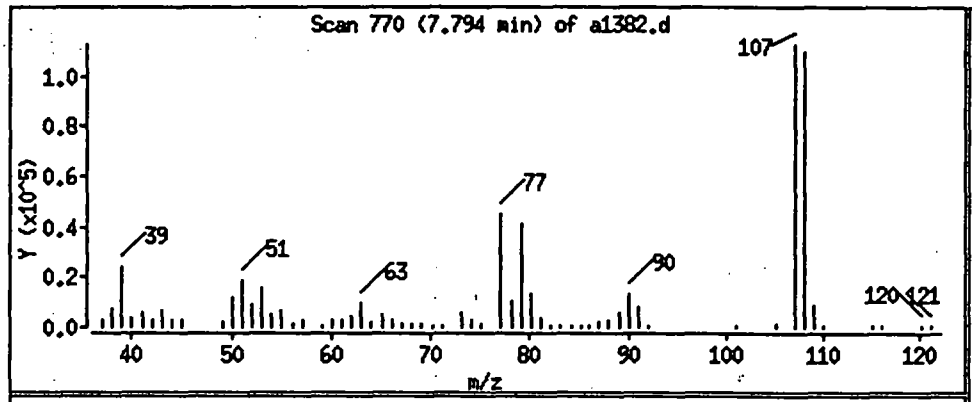
Column phase : hp-5MS

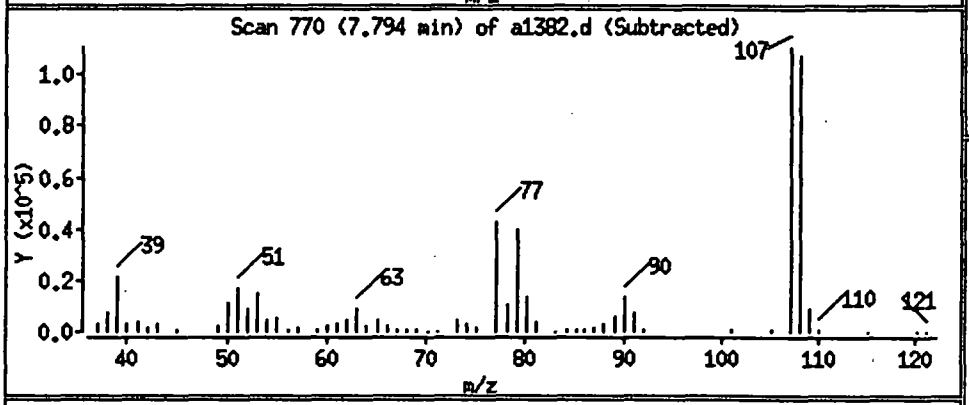
Column diameter : 0.25

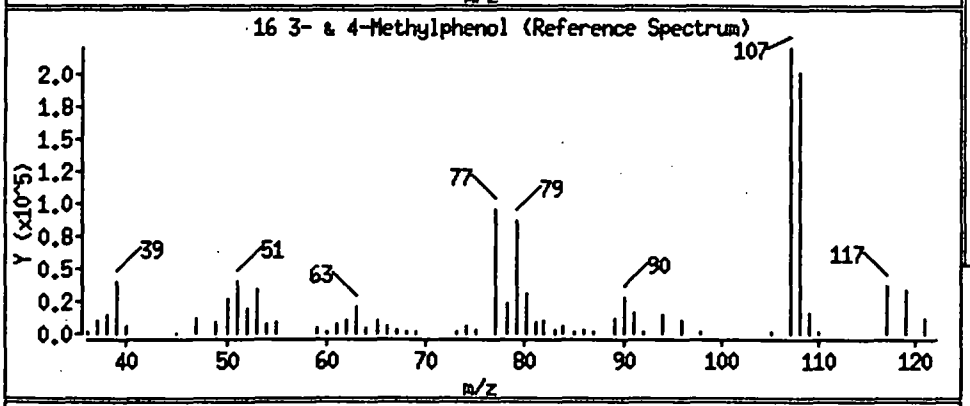
Volume Injected (uL) : 1.0

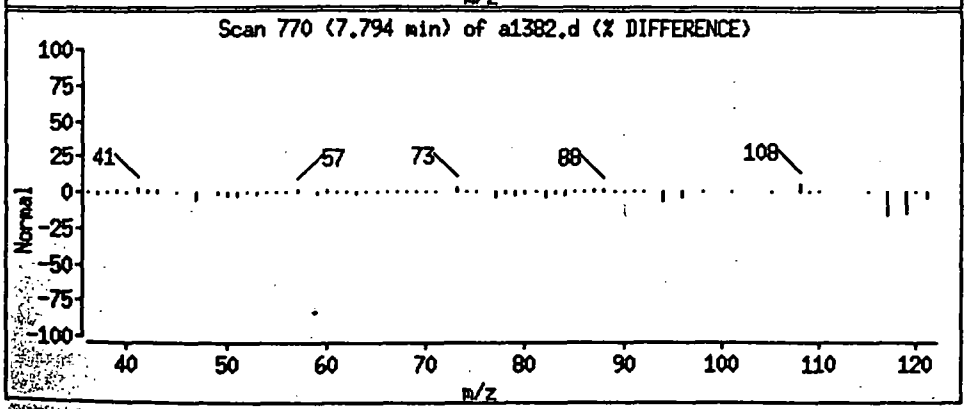
MK 9/6/94

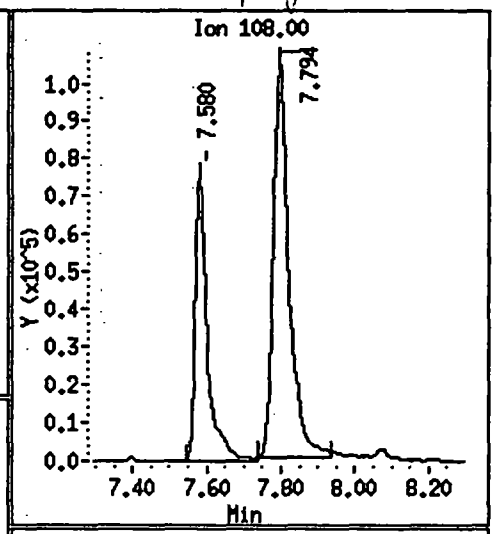
16 3- & 4-Methylphenol

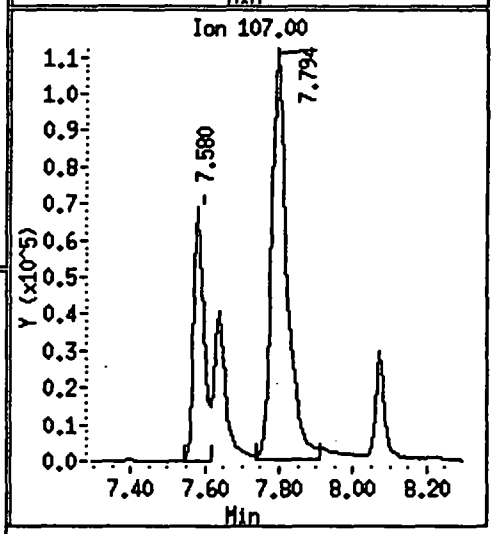












Data File: /chem/hp72a.i/090294.b/a1383.d

Date : 02-SEP-94 17:38

Instrument : hp72a.i

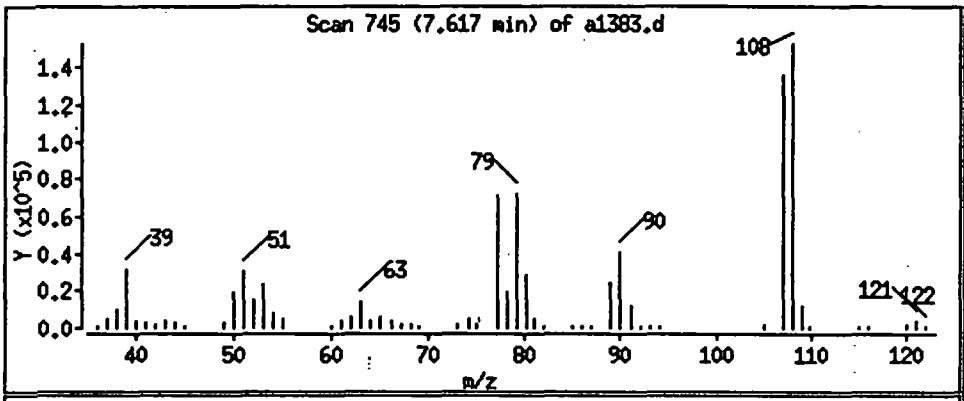
Sample ID : 0826-39 SBA-08

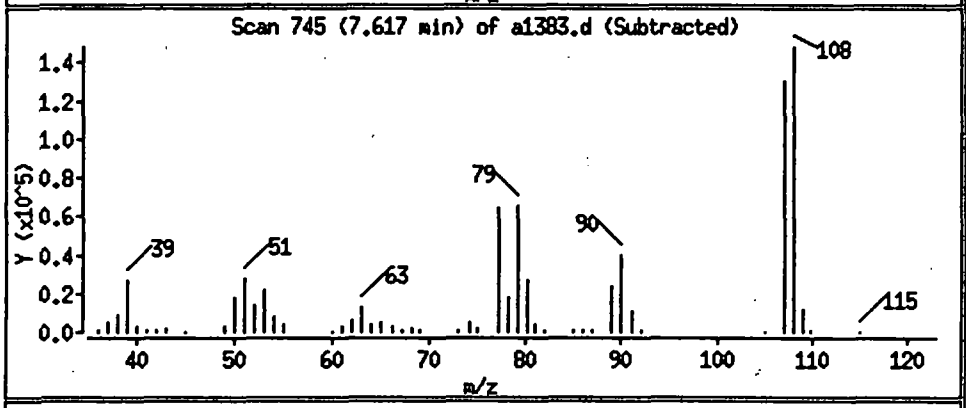
Column phase : hp-5MS

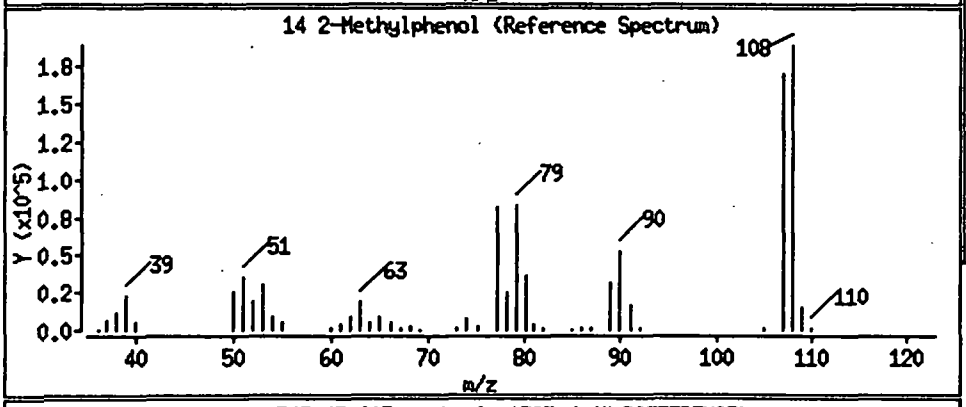
Column diameter : 0.25

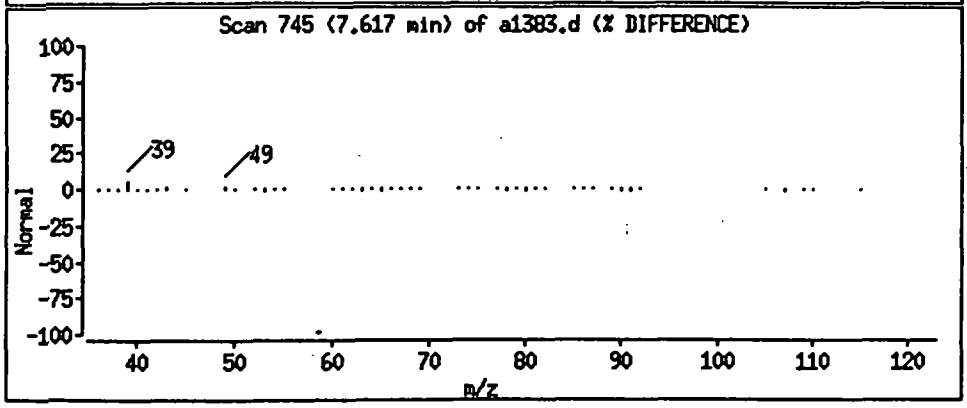
Volume Injected (uL) : 1.0

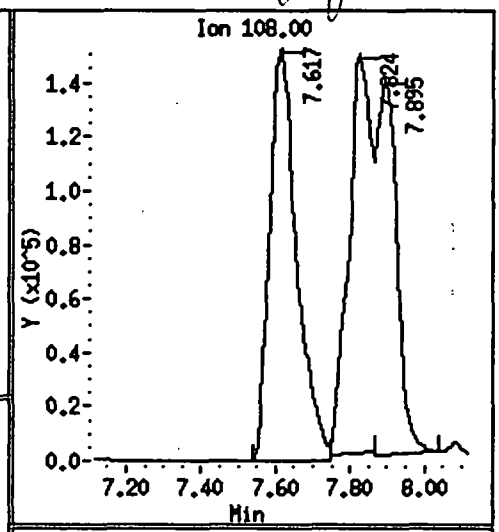
14 2-Methylphenol

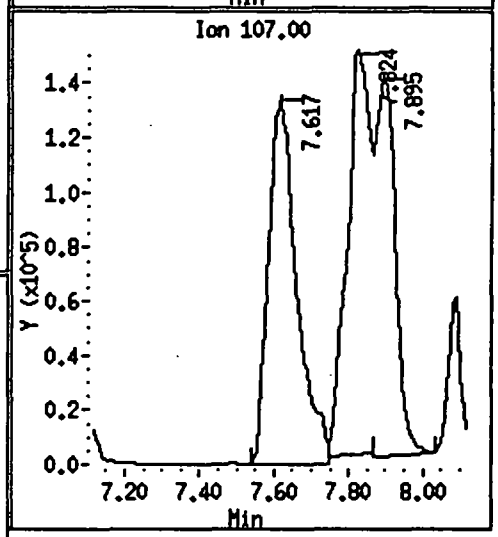












Data File: /chem/hp72a.i/090294.b/a1383.d

Date : 02-SEP-94 17:38

Instrument : hp72a.i

Sample ID : 0826-39 SBB-08

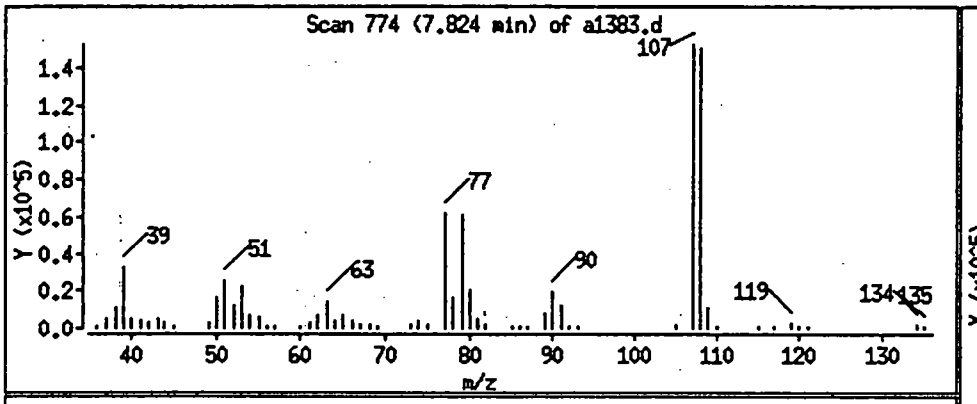
Column phase : hp-5MS

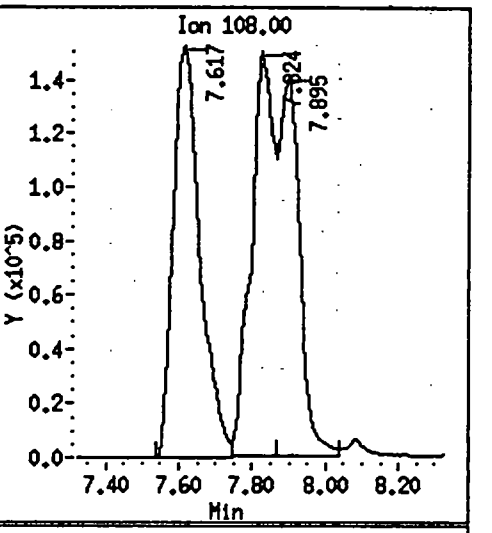
Column diameter : 0.25

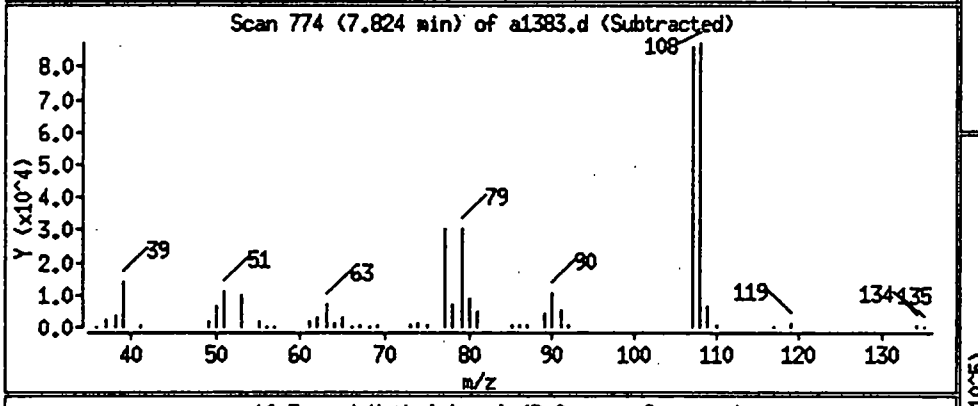
Volume Injected (uL) : 1.0

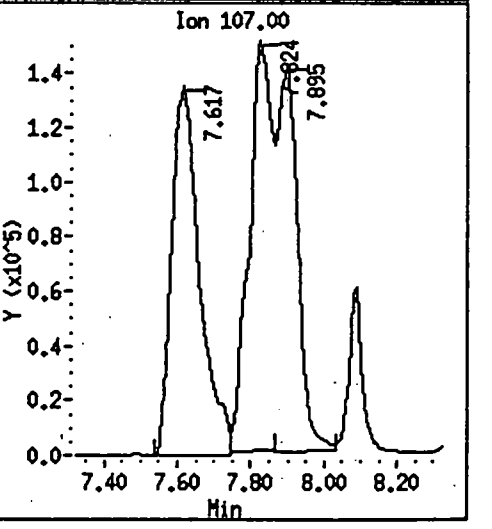
9/9/94

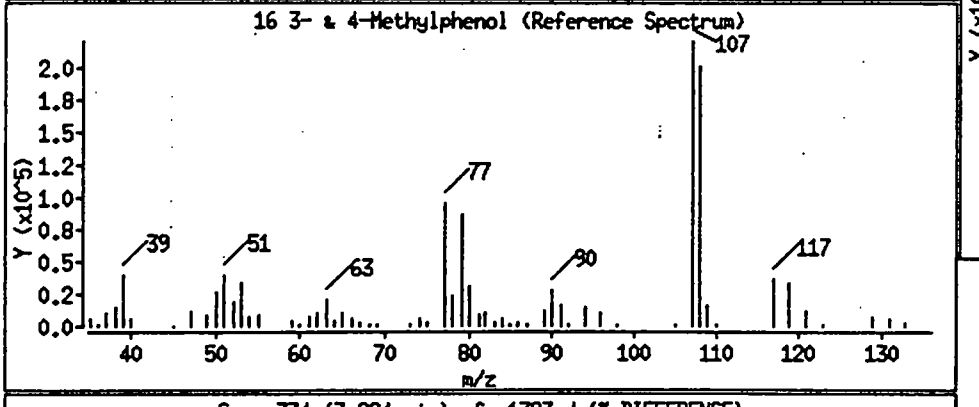
16 3- & 4-Methylphenol

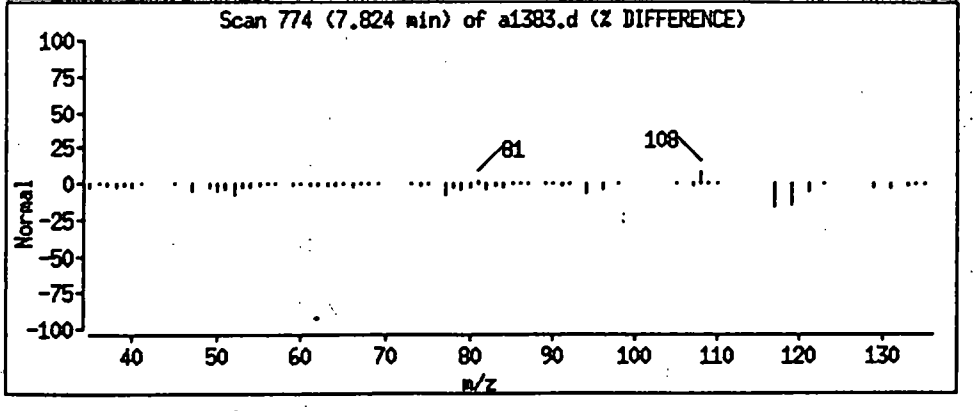












Data File: /chem/hp72a.i/090294.b/a1384.d

Date : 02-SEP-94 18:15

Instrument : hp72a.i

Sample ID : 0826-40 SBA-09

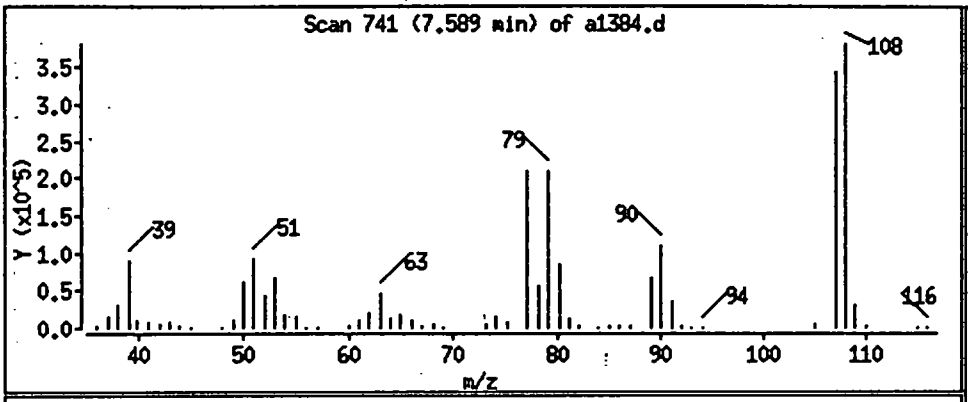
Column phase : hp-5MS

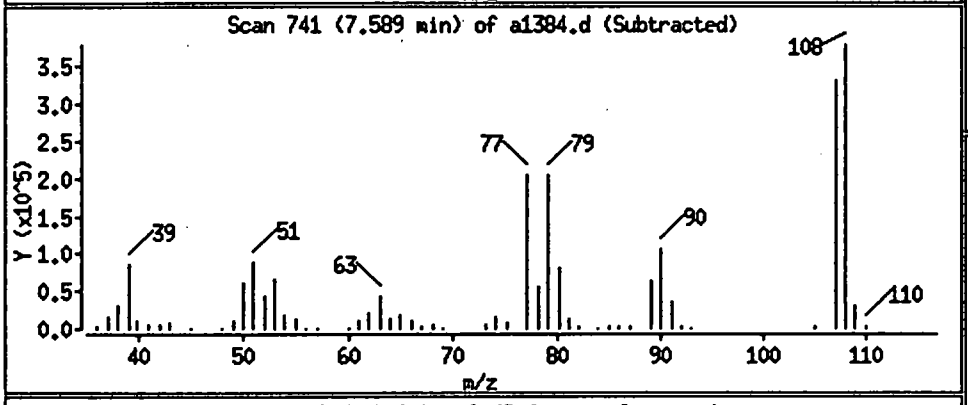
Column diameter : 0.25

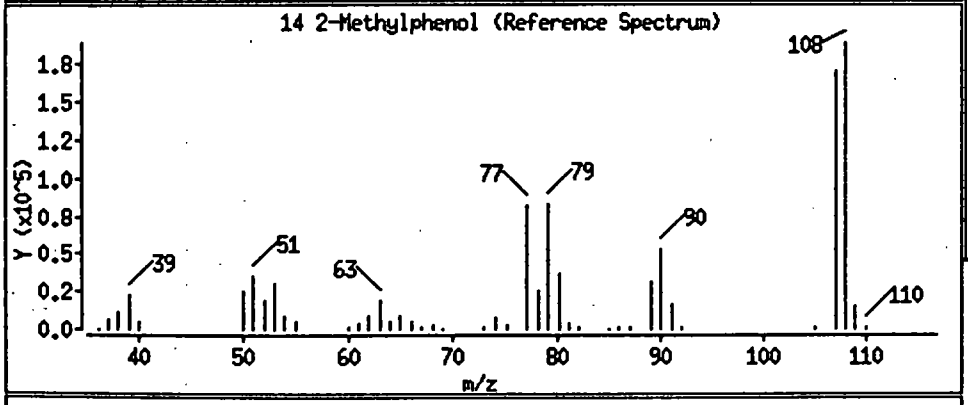
Volume Injected (uL) : 1.0

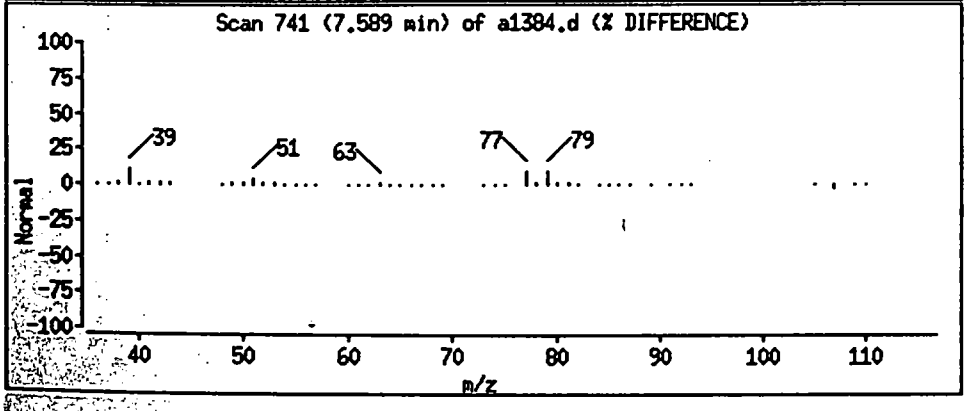
090694

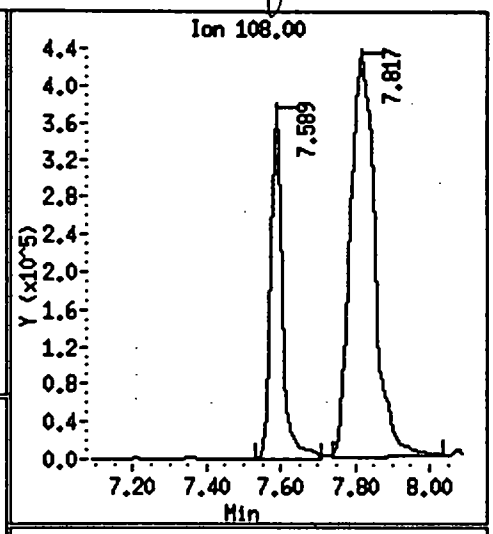
14 2-Methylphenol

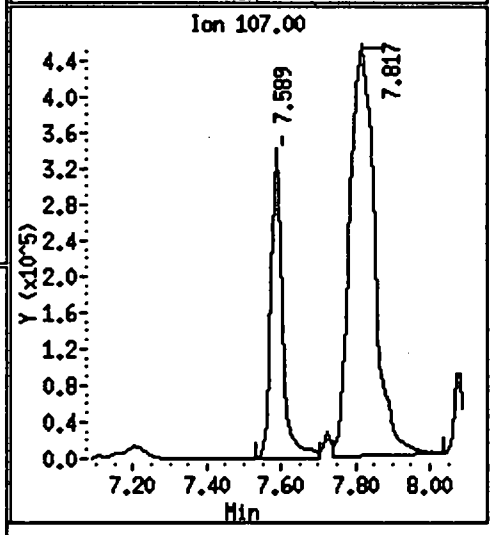












Data File: /chem/hp72a.i/090294.b/a1384.d

Date : 02-SEP-94 18:15

Instrument : hp72a.i

Sample ID : @816-40 SBA-09

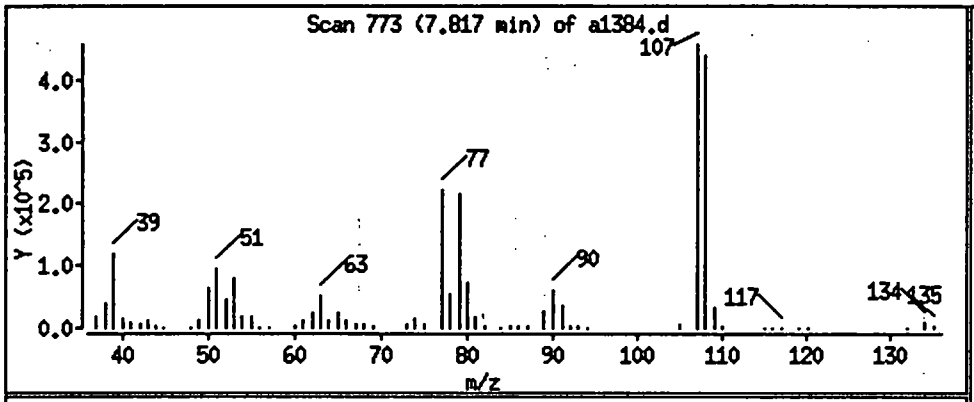
Column phase : hp-5MS

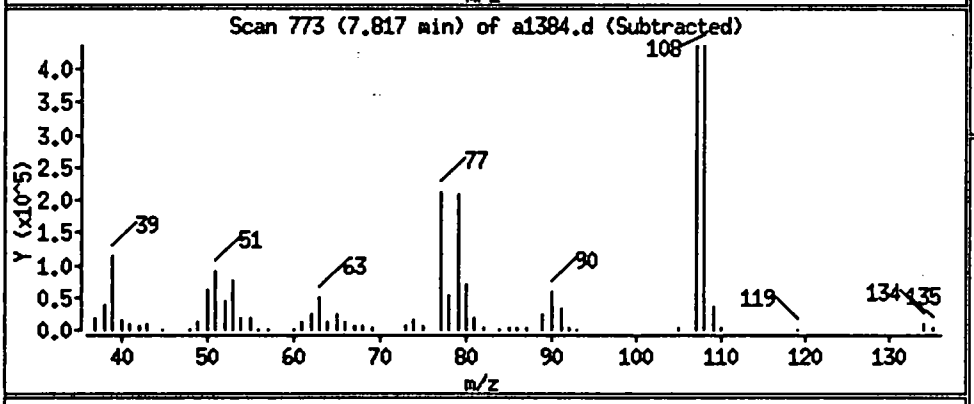
Column diameter : 0.25

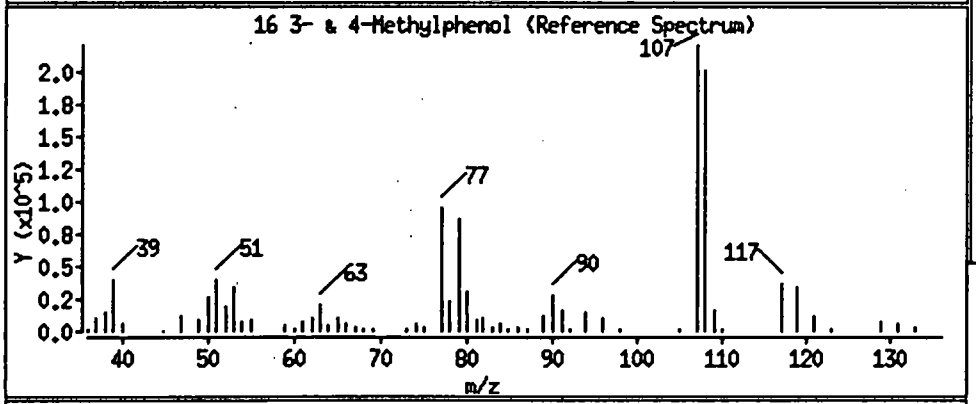
Volume Injected (uL) : 1.0

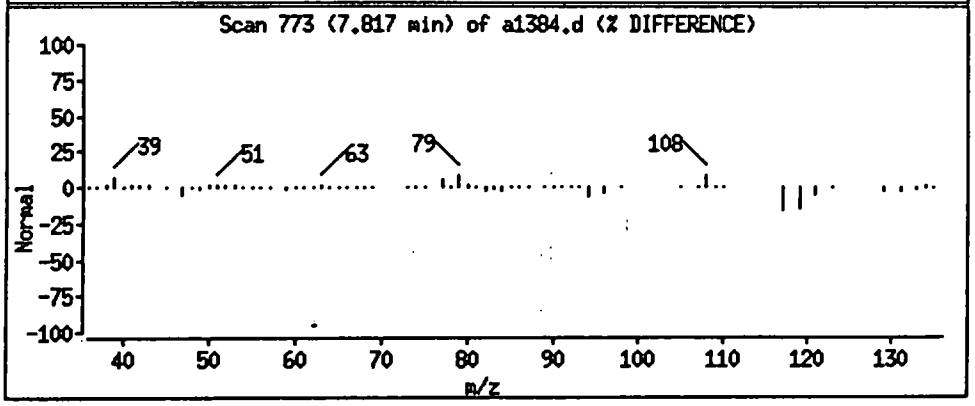
090694

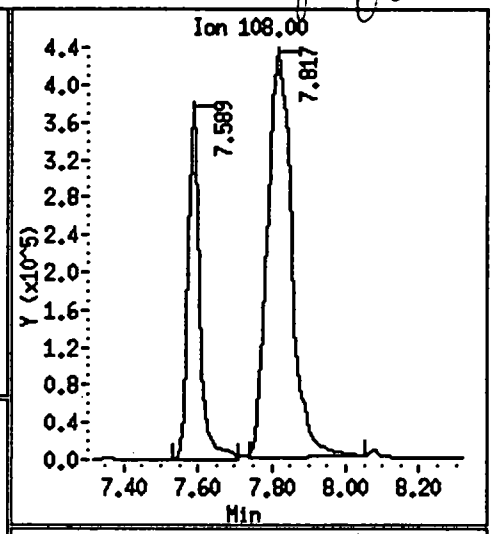
16 3- & 4-Methylphenol

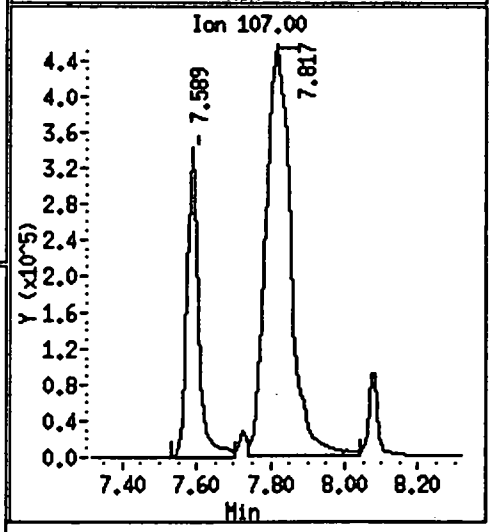












4B
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: Inchcape Testing Services **Sample ID: 0829SBLK02**

Lab File ID: A1432 **Date Extracted: 08/29/94**

Group No: 9403016 **Date Analyzed: 09/02/94**

Time Analyzed: 19:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	Lab Sample ID	Lab File ID	Date Analyzed
01	0829SPK02	A1433	09/03/94
02	0829SPKD02	A1434	09/03/94
03	9408260045	A1368	09/02/94
04	9408260030	A1372	09/02/94
05	9408260031	A1377	09/02/94
06	9408260032	A1373	09/02/94
07	9408260033	A1374	09/02/94
08	9408260034	A1453	09/05/94
09	9408260035	A1378	09/02/94
10	9408260036	A1379	09/02/94
11	9408260037	A1454	09/05/94
12	9408260038	A1455	09/05/94
13	9408260039	A1456	09/05/94
14	9408260040	A1457	09/05/94
15	9408260041	A1458	09/05/94
16	0826TBLK01	A1376	09/02/94
17			
18			
19			
20			

Comments: _____

ORGANIC ANALYSIS DATA SHEET

(Semivolatiles)

LAB NAME:	WEST-PAINE LABS	SAMPLE NO.:	
LAB CODE:	LA 024	GROUP NO:	9403017
MATRIX: (Soil/Water)	WATER		
SAMPLE Wt/Vol:	1000 (g/ml) ml (ml)	LAB SAMPLE ID:	0829SBLK02
LEVEL: (Low/Med)	Low	LAB FILE ID:	
%MOISTURE: not dec.	dec.	DATE RECEIVED:	
Extraction: (Sepf/Cont/Sonc)	Sepf	DATE EXTRACTED:	08/29/94
GPC CLEANUP: (Y/N)	N pH	DATE ANALYZED:	09/02/94 1930
DILUTION FACTOR:	1.0		@BNFMS 8270
	CONCENTRATION UNITS: (ug/L or mg/Kg)	ug/L	@ACIDM WATER

BASE-NEUTRAL FRACTION

Common Name	RESULT	DL
Acenaphthene	<DL	10
Acenaphthylene		10
Anthracene		10
Benzidine		40
Benzo(a)anthracene		10
Benzo(a)pyrene		10
Benzo(b)fluoranthene		10
Benzo(ghi)perylene		10
Benzo(k)fluoranthene		10
Bis(2-chloroethoxy)methane		10
Bis(2-chloroethyl)ether		10
Bis(2-chloroisopropyl)ether		10
Bis(2-ethylhexyl)phthalate		10
4-Bromophenyl phenyl ether		10
Butyl benzyl phthalate		10
2-Chloronaphthalene		10
4-Chlorophenyl phenyl ether		10
Chrysene		10
Dibenzo(a,h)anthracene		10
1,2-Dichlorobenzene		10
1,3-Dichlorobenzene		10
1,4-Dichlorobenzene		10
3,3'-Dichlorobenzidine		20
Diethyl phthalate		10
Dimethyl phthalate		10
Di-n-butyl phthalate	<DL	10
2,4-Dinitrotoluene		10
2,6-Dinitrotoluene		10
Di-n-octyl phthalate		10
1,2-Diphenylhydrazine*		10
Fluoranthene		10
Fluorene		10
Hexachlorobenzene		10
Hexachlorobutadiene		10
Hexachlorocyclopentadiene		10
Hexachloroethane		10
Indeno(1,2,3-cd)pyrene		10
Isophorone		10
Naphthalene		10
Nitrobenzene		10
N-Nitrosodimethylamine		10
N-Nitrosodi-n-propylamine		10
N-Nitrosodiphenylamine**		10
Phenanthrene		10
Pyrene		10
1,2,4-Trichlorobenzene		10

*1,2-Diphenylhydrazine as Azobenzene

**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine.

SVWLO

ACID EXTRACTABLES

	RESULT	DL
2-Chlorophenol	<DL	10
2,4-Dichlorophenol		10
2,4-Dimethylphenol		10
4,6-Dinitro-o-cresol		50
2,4-Dinitrophenol		50
2-Nitrophenol		10
4-Nitrophenol		50
p-Chloro-m-cresol		10
Pentachlorophenol		50
Phenol		10
2,4,6-Trichlorophenol		10

QUALITY CONTROL DATA: % SURROGATE RECOVERY

Nitrobenzene-d5	74	Phenol-d6	35
2-Fluorobiphenyl	69	2-Fluorophenol	46
Terphenyl-d14	77	2,4,6 Tribromophenol	59

ORGANIC ANALYSIS DATA SHEET

(Semivolatiles)

LAB NAME: WEST-PAINE LABS
LAB CODE: LA 024
MATRIX: (Soil/Water) SOIL
SAMPLE Wt/Vol: (g/ml) 30 (g)
LEVEL: (Low/Med) LOW
%MOISTURE: not dec. dec.
Extraction: (Sepf/Cont/Sonc) Sonc
GPC CLEANUP: (Y/N) Y pH
DILUTION FACTOR: 2.0

SAMPLE NO.:
GROUP NO:
LAB SAMPLE ID: 0829SBLK01
LAB FILE ID: A1432
DATE RECEIVED:
DATE EXTRACTED: 08/29/94
DATE ANALYZED: 09/03/94 2108
@BNFMS @8270

CONCENTRATION UNITS: (ug/L or mg/Kg) mg/Kg ~~@ACIDM~~ SOLID

BASE-NEUTRAL FRACTION

Common Name	RESULT	DL	DL
Acenaphthene	< DL	0.33	0.66
Acenaphthylene		0.33	2.64
Anthracene		0.33	↓
Benzidine		1.32	2.64
Benzo(a)anthracene		0.33	0.66
Benzo(a)pyrene		0.33	
Benzo(b)fluoranthene		0.33	
Benzo(ghi)perylene		0.33	
Benzo(k)fluoranthene		0.33	
Bis(2-chloroethoxy)methane		0.33	
Bis(2-chloroethyl)ether		0.33	
Bis(2-chloroisopropyl)ether		0.33	
Bis(2-ethylhexyl)phthalate		0.33	
4-Bromophenyl phenyl ether		0.33	
Butyl benzyl phthalate		0.33	
2-Chloronaphthalene		0.33	
4-Chlorophenyl phenyl ether		0.33	
Chrysene		0.33	
Dibenzo(a,h)anthracene		0.33	
1,2-Dichlorobenzene		0.33	
1,3-Dichlorobenzene		0.33	
1,4-Dichlorobenzene		0.33	
3,3'-Dichlorobenzidine		0.66	1.32
Diethyl phthalate		0.33	0.66
Dimethyl phthalate		0.33	0.66

Common Name	RESULT	DL	DL
Di-n-butyl phthalate	< DL	0.33	0.66
2,4-Dinitrotoluene		0.33	
2,6-Dinitrotoluene		0.33	
Di-n-octyl phthalate		0.33	
1,2-Diphenylhydrazine*		0.33	
Fluoranthene		0.33	
Fluorene		0.33	
Hexachlorobenzene		0.33	
Hexachlorobutadiene		0.33	
Hexachlorocyclopentadiene		0.33	
Hexachloroethane		0.33	
Indeno(1,2,3-cd)pyrene		0.33	
Isophorone		0.33	
Naphthalene		0.33	
Nitrobenzene		0.33	
N-Nitrosodimethylamine		0.33	
N-Nitrosodi-n-propylamine		0.33	
N-Nitrosodiphenylamine**		0.33	
Phenanthrene		0.33	
Pyrene		0.33	
1,2,4-Trichlorobenzene		0.33	

*1,2-Diphenylhydrazine as Azobenzene

**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine.

ACID EXTRACTABLES

Common Name	RESULT	DL	DL
2-Chlorophenol		0.33	0.66
2,4-Dichlorophenol	< DL	0.33	
2,4-Dimethylphenol		0.33	
4,6-Dinitro-o-cresol		1.65	3.3
2,4-Dinitrophenol		1.65	3.3
2-Nitrophenol		0.33	0.66
4-Nitrophenol		1.65	3.3
p-Chloro-m-cresol		0.33	0.66
Pentachlorophenol		1.65	3.3
Phenol		0.33	0.66
2,4,6-Trichlorophenol		0.33	0.66

SUSLO

QUALITY CONTROL DATA: % SURROGATE RECOVERY

Nitrobenzene-d5	72	Phenol-d6	71
2-Fluorobiphenyl	66	2-Fluorophenol	47
Terphenyl-d14	62	2,4,6 Tribromophenol	50

Revised 08/25/93 @BNFMSS

ORGANIC ANALYSIS DATA SHEET

(Semivolatiles)

LAB NAME:	WEST-PAINE LABS	SAMPLE NO.:	
LAB CODE:	LA 024	GROUP NO:	9403017
MATRIX: (Soil/Water)	WATER		
SAMPLE Wt/Vol:	(g/ml) 1000 (ml)	LAB SAMPLE ID:	0830SBLK01
LEVEL: (Low/Med)	LOW	LAB FILE ID:	
%MOISTURE: not dec.	dec.	DATE RECEIVED:	
Extraction: (Sepf/Cont/Sonc)	Sepf	DATE EXTRACTED:	08/30/94
GPC CLEANUP: (Y/N)	N pH	DATE ANALYZED:	09/01/94 2119
DILUTION FACTOR:	1.0		@BNFMS ~~@ACIDM~~
linear	CONCENTRATION UNITS: (ug/L or mg/Kg)	ug/L	WATER

BASE-NEUTRAL FRACTION

Common Name	RESULT	DL
Acenaphthene	< DL	10
Acenaphthylene		10
Anthracene		10
Benzidine		40
Benzo(a)anthracene		10
Benzo(a)pyrene		10
Benzo(b)fluoranthene		10
Benzo(ghi)perylene		10
Benzo(k)fluoranthene		10
Bis(2-chloroethoxy)methane		10
Bis(2-chloroethyl)ether		10
Bis(2-chloroisopropyl)ether		10
Bis(2-ethylhexyl)phthalate		10
4-Bromophenyl phenyl ether		10
Butyl benzyl phthalate		10
2-Chloronaphthalene		10
4-Chlorophenyl phenyl ether		10
Chrysene		10
Dibenzo(a,h)anthracene		10
1,2-Dichlorobenzene		10
1,3-Dichlorobenzene		10
1,4-Dichlorobenzene		10
3,3'-Dichlorobenzidine		20
Diethyl phthalate		10
Dimethyl phthalate		10
Di-n-butyl phthalate	< DL	10
2,4-Dinitrotoluene		10
2,6-Dinitrotoluene		10
Di-n-octyl phthalate		10
1,2-Diphenylhydrazine*		10
Fluoranthene		10
Fluorene		10
Hexachlorobenzene		10
Hexachlorobutadiene		10
Hexachlorocyclopentadiene		10
Hexachloroethane		10
Indeno(1,2,3-cd)pyrene		10
Isophorone		10
Naphthalene		10
Nitrobenzene		10
N-Nitrosodimethylamine		10
N-Nitrosodi-n-propylamine		10
N-Nitrosodiphenylamine**		10
Phenanthrene		10
Pyrene		10
1,2,4-Trichlorobenzene		10

*1,2-Diphenylhydrazine as Azobenzene

**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine.

SVWLO —

ACID EXTRACTABLES

	RESULT	DL
2-Chlorophenol	< DL	10
2,4-Dichlorophenol		10
2,4-Dimethylphenol		10
4,6-Dinitro-o-cresol		50
2,4-Dinitrophenol		50
2-Nitrophenol		10
4-Nitrophenol		50
p-Chloro-m-cresol		10
Pentachlorophenol		50
Phenol		10
2,4,6-Trichlorophenol		10

QUALITY CONTROL DATA: % SURROGATE RECOVERY

Nitrobenzene-d5	41	Phenol-d6	46
2-Fluorobiphenyl	38	2-Fluorophenol	51
Terphenyl-d14	41	2,4,6 Tribromophenol	71

ORGANIC ANALYSIS DATA SHEET

(Semivolatiles)

LAB NAME:	WEST-PAINE LABS	SAMPLE NO.:	
LAB CODE:	LA 024	GROUP NO:	9403017
MATRIX: (Soil/Water)	WATER		
SAMPLE Wt/Vol:	(g/ml) 1000 (ml)	LAB SAMPLE ID:	09075BLK02
LEVEL: (Low/Med)		LAB FILE ID:	
%MOISTURE: not dec.	dec.	DATE RECEIVED:	
Extraction: (Sepf/Cont/Sonc)	Sepf	DATE EXTRACTED:	09/07/94
GPC CLEANUP: (Y/N)	N pH	DATE ANALYZED:	09/08/94 1021
DILUTION FACTOR:	1.0		@BNFMS 3270
limo	CONCENTRATION UNITS: (ug/L or mg/Kg)	ug/L	@ACIDM WATER

BASE-NEUTRAL FRACTION

Common Name	RESULT	DL
Acenaphthene	<DL	10
Acenaphthylene		10
Anthracene		10
Benzidine		40
Benzo(a)anthracene		10
Benzo(a)pyrene		10
Benzo(b)fluoranthene		10
Benzo(ghi)perylene		10
Benzo(k)fluoranthene		10
Bis(2-chloroethoxy)methane		10
Bis(2-chloroethyl)ether		10
Bis(2-chloroisopropyl)ether		10
Bis(2-ethylhexyl)phthalate		10
4-Bromophenyl phenyl ether		10
Butyl benzyl phthalate		10
2-Chloronaphthalene		10
4-Chlorophenyl phenyl ether		10
Chrysene		10
Dibenzo(a,h)anthracene		10
1,2-Dichlorobenzene		10
1,3-Dichlorobenzene		10
1,4-Dichlorobenzene		10
3,3'-Dichlorobenzidine		20
Diethyl phthalate		10
Dimethyl phthalate		10
Di-n-butyl phthalate	<DL	10
2,4-Dinitrotoluene		10
2,6-Dinitrotoluene		10
Di-n-octyl phthalate		10
1,2-Diphenylhydrazine*		10
Fluoranthene		10
Fluorene		10
Hexachlorobenzene		10
Hexachlorobutadiene		10
Hexachlorocyclopentadiene		10
Hexachloroethane		10
Indeno(1,2,3-cd)pyrene		10
Isophorone		10
Naphthalene		10
Nitrobenzene		10
N-Nitrosodimethylamine		10
N-Nitrosodi-n-propylamine		10
N-Nitrosodiphenylamine**		10
Phenanthrene		10
Pyrene		10
1,2,4-Trichlorobenzene		10

*1,2-Diphenylhydrazine as Azobenzene

**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine.

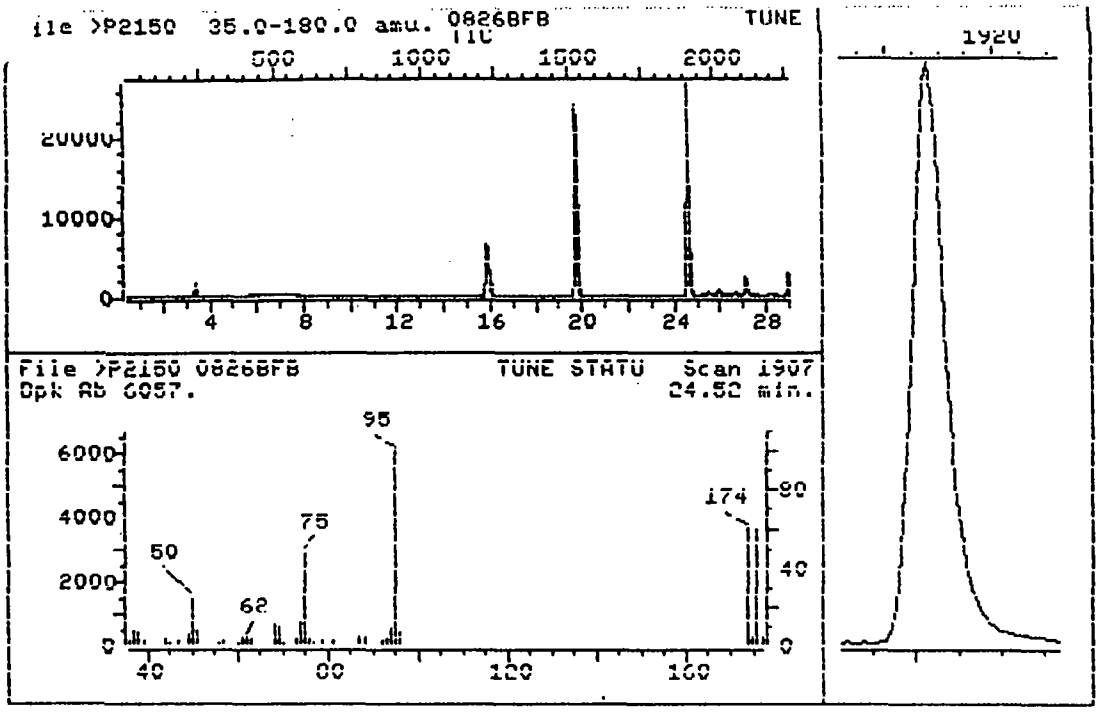
SVWLO —

ACID EXTRACTABLES

2-Chlorophenol	<DL	10
2,4-Dichlorophenol		10
2,4-Dimethylphenol		10
4,6-Dinitro-o-cresol		50
2,4-Dinitrophenol		50
2-Nitrophenol		10
4-Nitrophenol		50
p-Chloro-m-cresol		10
Pentachlorophenol		50
Phenol		10
2,4,6-Trichlorophenol		10

QUALITY CONTROL DATA: % SURROGATE RECOVERY

Nitrobenzene-d5	42	Phenol-d6	NA
2-Fluorobiphenyl	41	2-Fluorophenol	NA
Terphenyl-d14	47	2,4,6 Tribromophenol	NA



Volatile

FMGR : TUNER,=BFB

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	24.07	24.07	Ok
75	30-60% of mass 95	47.88	47.88	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.60	6.60	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	60.46	60.46	Ok
175	5-9% of mass 174	4.62	7.65	Ok
176	95-101% of mass 174	59.96	99.18	Ok
177	5-9% of mass 176	3.90	6.50	Ok

Injection Date: 08/26/94
Injection Time: 08:28
Data File: >P2150
Scan: 1907

FMGR : NRM,100
FMGR : TAB

>P2150 0826BFB TUNE STATUS/JS
1907 NRM

File: >P2150 Scan #: 1907 Retn. time: 24.52

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.00	2.394	50.00	24.071	68.00	10.517	77.00	.660	94.00	8.536
37.00	8.271	51.00	7.446	69.00	9.592	78.90	1.667	95.00	100.000
38.00	7.149	56.00	1.651	70.00	.892	80.90	1.965	96.00	6.604
39.00	2.609	57.00	2.543	73.00	3.863	87.00	4.788	173.95	60.459
44.00	2.774	60.00	1.024	74.00	12.696	88.00	4.557	174.95	4.623
45.00	1.123	61.00	4.177	75.00	47.878	92.00	2.097	175.95	59.964
47.00	2.262	62.00	4.227	76.00	3.946	93.00	2.906	176.95	3.896
49.00	5.184	63.00	2.889						

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: P2573 **BFB Injection Date: 09/09/94**

BFB Injection Time: 11:04

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	27.33
75	30.0 - 66.0% of mass 95	48.33
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.71
173	Less than 2.0% if nass 174	0.00
174	50.0 - 120.0% of mass 95	59.94
175	5.0 - 9.0% of mass 174	4.20
176	95.0 - 101.0% of mass 174	58.73
177	5.0 - 9.0% of mass 176	3.88

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0909VBLK	P2574	09/09/94	11:40
02	9408260030	P2575	09/09/94	12:37
03	9408260039	P2578	09/09/94	15:14
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Comments: _____

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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: P2482 **BFB Injection Date: 09/06/94**

BFB Injection Time: 16:55

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	26.16
75	30.0 - 66.0% of mass 95	48.35
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	7.02
173	Less than 2.0% if nass 174	0.00
174	50.0 - 120.0% of mass 95	58.58
175	5.0 - 9.0% of mass 174	4.32
176	95.0 - 101.0% of mass 174	97.50
177	5.0 - 9.0% of mass 176	3.88

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0906VBLK	P2484	09/06/94	18:06
02	9408260043	P2492	09/06/94	23:05
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Comments: _____

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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: P2613 **BFB Injection Date: 09/11/94**

BFB Injection Time: 12:31

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.40
75	30.0 - 66.0% of mass 95	0.68
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	8.15
173	Less than 2.0% if nass 174	0.00
174	50.0 - 120.0% of mass 95	67.83
175	5.0 - 9.0% of mass 174	5.05
176	95.0 - 101.0% of mass 174	67.83
177	5.0 - 9.0% of mass 176	4.46

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0911VBLK	P2616	09/11/94	15:05
02	9408260052MSD	P2631	09/11/94	18:29
03	9408260035MS	P2632	09/11/94	19:05
04	9408260036MSD	P2633	09/11/94	19:40
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Comments: _____

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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: P2150 **BFB Injection Date: 08/26/94**

BFB Injection Time: 08:28

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.07
75	30.0 - 66.0% of mass 95	47.88
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.60
173	Less than 2.0% if nass 174	0.00
174	50.0 - 120.0% of mass 95	60.46
175	5.0 - 9.0% of mass 174	4.62
176	95.0 - 101.0% of mass 174	59.96
177	5.0 - 9.0% of mass 176	3.90

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	20 ppb	P2151	08/26/94	09:05
02	50 ppb	P2152	08/26/94	09:42
03	100 ppb	P2153	08/26/94	10:19
04	150 ppb	P2154	08/26/94	10:57
05	200 ppb	P2156	08/26/94	12:58
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Comments: _____

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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9403016**

Lab File ID: P2551 **BFB Injection Date: 09/08/94**

BFB Injection Time: 21:41

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.88
75	30.0 - 66.0% of mass 95	48.99
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	7.11
173	Less than 2.0% if nass 174	0.00
174	50.0 - 120.0% of mass 95	60.04
175	5.0 - 9.0% of mass 174	4.55
176	95.0 - 101.0% of mass 174	60.20
177	5.0 - 9.0% of mass 176	3.94

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0909VBLK	P2556	09/09/94	01:41
02	9408260048	P2557	09/09/94	02:27
03	9408260041	P2559	09/09/94	04:20
04	9408260049	P2560	09/09/94	04:55
05	9408260053	P2562	09/09/94	06:05
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19				
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Comments: _____

_____

ORGANIC ANALYSIS DATA SHEET

(Volatiles)

LAB NAME: WEST-PAINE LABS
LAB CODE: LA024
MATRIX: (Soil/Water) Water
SAMPLE Wt/Vol: 5.0 (g/ml) ml
LEVEL: (Low/Med) Low
%MOISTURE: not dec. dec.
Extraction: (Sept/Cont/Sonc)
GPC CLEANUP: (Y/N) pH
DILUTION FACTOR: 1.0

CLIENT:
GROUP NO.: 94030186 SAB 03/10/95
LAB SAMPLE ID: 0903VBLK
LAB FILE ID: P2422
DATE RECEIVED:
DATE EXTRACTED:
DATE ANALYZED: 09/03/94 1204

CONCENTRATION UNITS: (ug/L or mg/Kg) ug/L @VOAMS WATER/SOLID

PARAMETER	RESULT	DETECTION LIMIT
Benzene	<DL	5.0
Bromoform		
Carbon tetrachloride		
Chlorobenzene		
Chlorodibromomethane		
Chloroethane		
2-Chloroethylvinyl ether		
Chloroform		
1,2-Dichlorobenzene		
1,4-Dichlorobenzene		
1,3-Dichlorobenzene		
Dichlorobromomethane		
1,1-Dichloroethane		
1,2-Dichloroethane		
1,1-Dichloroethene		
trans-1,2-Dichloroethene		
1,2-Dichloropropane		
cis-1,3-Dichloropropene		
trans-1,3-Dichloropropene		
Ethylbenzene		
Methyl bromide		
Methyl chloride		
Methylene chloride		
1,1,2,2-Tetrachloroethane		
Tetrachloroethene		
Toluene		
1,1,1-Trichloroethane		
1,1,2-Trichloroethane		
Trichloroethene		
Trichlorofluoromethane		
Vinyl Chloride		
Total Xylene		

SURROGATE RECOVERY

1,2-Dichloroethane-d4:	95
Toluene-d8:	100
4-Bromofluorobenzene:	102

ORGANIC ANALYSIS DATA SHEET

(Volatiles)

LAB NAME:	WEST-PAINE LABS	CLIENT:	
LAB CODE:	LA024	GROUP NO.:	9403016 02/10/95 SAB
MATRIX: (Soil/Water)	Water		
SAMPLE Wt/Vol:	5ml (g/ml)	LAB SAMPLE ID:	0827VBLK
LEVEL: (Low/Med)		LAB FILE ID:	G6400
%MOISTURE: not dec.	dec.	DATE RECEIVED:	
Extraction: (Sepf/Cont/Sonc)		DATE EXTRACTED:	
GPC CLEANUP: (Y/N)	pH	DATE ANALYZED:	08/28/94 0120
DILUTION FACTOR:	1.0		

CONCENTRATION UNITS: (ug/L or mg/Kg) ug/L @VOAMS (WATER/SOLID

PARAMETER	RESULT	DETECTION LIMIT
Benzene	<DL	5.0
Bromoform		
Carbon tetrachloride		
Chlorobenzene		
Chlorodibromomethane		
Chloroethane		
2-Chloroethylvinyl ether		
Chloroform		
1,2-Dichlorobenzene		
1,4-Dichlorobenzene		
1,3-Dichlorobenzene		
Dichlorobromomethane		
1,1-Dichloroethane		
1,2-Dichloroethane		
1,1-Dichloroethene		
trans-1,2-Dichloroethene		
1,2-Dichloropropane		
cis-1,3-Dichloropropene		
trans-1,3-Dichloropropene		
Ethylbenzene		
Methyl bromide		
Methyl chloride		
Methylene chloride		
1,1,2,2-Tetrachloroethane		
Tetrachloroethene		
Toluene		
1,1,1-Trichloroethane		
1,1,2-Trichloroethane		
Trichloroethene		
Trichlorofluoromethane		
Vinyl Chloride		
Total Xylene		

SURROGATE RECOVERY

1,2-Dichloroethane-d4:	106
Toluene-d8:	111
4-Bromofluorobenzene:	104

ORGANIC ANALYSIS DATA SHEET

(Volatiles)

LAB NAME: WEST-PAINE LABS
CLIENT:
LAB CODE: LA024
GROUP NO.: 9403019 6 SAB 04/10/95
MATRIX: (Soil/Water) Water
SAMPLE Wt/Vol: 5.0ml (g/ml)
LAB SAMPLE ID: 0906VBLK
LEVEL: (Low/Med)
LAB FILE ID: ~~P2446~~ P2466
%MOISTURE: not dec. dec.
DATE RECEIVED:
Extraction: (Sep/Cont/Sonc)
DATE EXTRACTED:
GPC CLEANUP: (Y/N) pH
DATE ANALYZED: 09/06/94 0653
DILUTION FACTOR: 1.0
CONCENTRATION UNITS: (ug/L or mg/Kg) ug/L @VOAMS (WATER/SOLID)

PARAMETER	RESULT	DETECTION LIMIT
Benzene	<DL	5.0
Bromoform		
Carbon tetrachloride		
Chlorobenzene		
Chlorodibromomethane		
Chloroethane		
2-Chloroethyivinyl ether		
Chloroform		
1,2-Dichlorobenzene		
1,4-Dichlorobenzene		
1,3-Dichlorobenzene		
Dichlorobromomethane		
1,1-Dichloroethane		
1,2-Dichloroethane		
1,1-Dichloroethene		
trans-1,2-Dichloroethene		
1,2-Dichloropropane		
cis-1,3-Dichloropropene		
trans-1,3-Dichloropropene		
Ethylbenzene		
Methyl bromide		
Methyl chloride		
Methylene chloride		
1,1,2,2-Tetrachloroethane		
Tetrachloroethene		
Toluene		
1,1,1-Trichloroethane		
1,1,2-Trichloroethane		
Trichloroethene		
Trichlorofluoromethane		
Vinyl Chloride		
Total Xylene		

SURROGATE RECOVERY

1,2-Dichloroethane-d4:	94
Toluene-d8:	101
4-Bromofluorobenzene:	110

ORGANIC ANALYSIS DATA SHEET

(Volatiles)

LAB NAME: WEST-PAINE LABS
CLIENT:
LAB CODE: LA024
GROUP NO.: 9403017 6 SAB 02/10/95
MATRIX: (Soil/Water) Water
SAMPLE Wt/Vol: 5ml (g/ml)
LAB SAMPLE ID: 0906VBLK
LEVEL: (Low/Med)
LAB FILE ID: P2484
%MOISTURE: not dec. dec.
DATE RECEIVED:
Extraction: (Sepf/Cont/Sonc)
DATE EXTRACTED:
GPC CLEANUP: (Y/N) pH
DATE ANALYZED: 09/06/94 1806
DILUTION FACTOR: 1.0
CONCENTRATION UNITS: (ug/L or mg/Kg) ug/L @VOAMS (WATER/SOLID

PARAMETER	RESULT	DETECTION LIMIT
Benzene	<DL	5.0
Bromoform		
Carbon tetrachloride		
Chlorobenzene		
Chlorodibromomethane		
Chloroethane		
2-Chloroethylvinyl ether		
Chloroform		
1,2-Dichlorobenzene		
1,4-Dichlorobenzene		
1,3-Dichlorobenzene		
Dichlorobromomethane		
1,1-Dichloroethane		
1,2-Dichloroethane		
1,1-Dichloroethene		
trans-1,2-Dichloroethene		
1,2-Dichloropropane		
cis-1,3-Dichloropropene		
trans-1,3-Dichloropropene		
Ethylbenzene		
Methyl bromide		
Methyl chloride		
Methylene chloride		
1,1,2,2-Tetrachloroethane		
Tetrachloroethene		
Toluene		
1,1,1-Trichloroethane		
1,1,2-Trichloroethane		
Trichloroethene		
Trichlorofluoromethane		
Vinyl Chloride		
Total Xylene		

SURROGATE RECOVERY

1,2-Dichloroethane-d4:	94
Toluene-d8:	97
4-Bromofluorobenzene:	96

ORGANIC ANALYSIS DATA SHEET

(Volatiles)

LAB NAME: WEST-PAINE LABS
CLIENT:
LAB CODE: LA024
GROUP NO.: 9403019 6 SAS 02/10/95
MATRIX: (Soil/Water) Water
SAMPLE Wt/Vol: 5.0ml (g/ml)
LAB SAMPLE ID: 0907VBLK
LEVEL: (Low/Med)
LAB FILE ID: P2540
%MOISTURE: not dec. dec.
DATE RECEIVED:
Extraction: (Sepf/Cont/Sonc)
DATE EXTRACTED:
GPC CLEANUP: (Y/N) pH
DATE ANALYZED: 09/08/94 1118
DILUTION FACTOR: 1.0
CONCENTRATION UNITS: (ug/L or mg/Kg) ug/L @VOAMS (WATER/SOLID)

PARAMETER	RESULT	DETECTION LIMIT
Benzene	<DL	5.0
Bromoform		
Carbon tetrachloride		
Chlorobenzene		
Chlorodibromomethane		
Chloroethane		
2-Chloroethyivinyl ether		
Chloroform		
1,2-Dichlorobenzene		
1,4-Dichlorobenzene		
1,3-Dichlorobenzene		
Dichlorobromomethane		
1,1-Dichloroethane		
1,2-Dichloroethane		
1,1-Dichloroethene		
trans-1,2-Dichloroethene		
1,2-Dichloropropane		
cis-1,3-Dichloropropene		
trans-1,3-Dichloropropene		
Ethylbenzene		
Methyl bromide		
Methyl chloride		
Methylene chloride		
1,1,2,2-Tetrachloroethane		
Tetrachloroethene		
Toluene		
1,1,1-Trichloroethane		
1,1,2-Trichloroethane		
Trichloroethene		
Trichlorofluoromethane		
Vinyl Chloride		
Total Xylene		

SURROGATE RECOVERY

1,2-Dichloroethane-d4:	116
Toluene-d8:	124
4-Bromofluorobenzene:	124

ORGANIC ANALYSIS DATA SHEET

(Volatiles)

LAB NAME: WEST-PAINE LABS
CLIENT:
LAB CODE: LA024
GROUP NO.: 9403018 6 SAB 02/10/95
MATRIX: (Soil/Water) Water
SAMPLE Wt/Vol: 5.0 ml (g/ml)
LAB SAMPLE ID: 0909VBLK
LEVEL: (Low/Med)
LAB FILE ID: ~~0909VBLK~~ SAB 02/08/95 P2574
%MOISTURE: not dec. dec.
DATE RECEIVED:
Extraction: (Sepf/Cont/Sonc)
DATE EXTRACTED:
GPC CLEANUP: (Y/N) pH
DATE ANALYZED: 09/09/94 1140
DILUTION FACTOR: 1.0
CONCENTRATION UNITS: (ug/L or mg/Kg)
@VOAMS (WATER/SOLID)

PARAMETER	RESULT	DETECTION LIMIT
Benzene	<DL	5.0
Bromoform		
Carbon tetrachloride		
Chlorobenzene		
Chlorodibromomethane		
Chloroethane		
2-Chloroethyivinyl ether		
Chloroform		
1,2-Dichlorobenzene		
1,4-Dichlorobenzene		
1,3-Dichlorobenzene		
Dichlorobromomethane		
1,1-Dichloroethane		
1,2-Dichloroethane		
1,1-Dichloroethene		
trans-1,2-Dichloroethene		
1,2-Dichloropropane		
cis-1,3-Dichloropropene		
trans-1,3-Dichloropropene		
Ethylbenzene		
Methyl bromide		
Methyl chloride		
Methylene chloride		
1,1,2,2-Tetrachloroethane		
Tetrachloroethene		
Toluene		
1,1,1-Trichloroethane		
1,1,2-Trichloroethane		
Trichloroethene		
Trichlorofluoromethane		
Vinyl Chloride		
Total Xylene		

SURROGATE RECOVERY

1,2-Dichloroethane-d4:	97
Toluene-d8:	106
4-Bromofluorobenzene:	112

ORGANIC ANALYSIS DATA SHEET

(Volatiles)

LAB NAME: WEST-PAINE LABS
LAB CODE: LA024
MATRIX: (Soil/Water) Water
SAMPLE Wt/Vol: 5.0ml (g/ml)
LEVEL: (Low/Med)
%MOISTURE: not dec. dec.
Extraction: (Sepf/Cont/Sonc)
GPC CLEANUP: (Y/N) pH
DILUTION FACTOR: 1.0

CLIENT:
GROUP NO.: 94030196 SAS 02/10/95
LAB SAMPLE ID: 0908VBLK
LAB FILE ID: P2556
DATE RECEIVED:
DATE EXTRACTED:
DATE ANALYZED: 09/09/94 0141

CONCENTRATION UNITS: (ug/L or mg/Kg) ug/L @VOAMS (WATER/SOLID

PARAMETER	RESULT	DETECTION LIMIT
Benzene	<DL	5.0
Bromoform		
Carbon tetrachloride		
Chlorobenzene		
Chlorodibromomethane		
Chloroethane		
2-Chloroethyivinyl ether		
Chloroform		
1,2-Dichlorobenzene		
1,4-Dichlorobenzene		
1,3-Dichlorobenzene		
Dichlorobromomethane		
1,1-Dichloroethane		
1,2-Dichloroethane		
1,1-Dichloroethene		
trans-1,2-Dichloroethene		
1,2-Dichloropropane		
cis-1,3-Dichloropropene		
trans-1,3-Dichloropropene		
Ethylbenzene		
Methyl bromide		
Methyl chloride		
Methylene chloride		
1,1,2,2-Tetrachloroethane		
Tetrachloroethene		
Toluene		
1,1,1-Trichloroethane		
1,1,2-Trichloroethane		
Trichloroethene		
Trichlorofluoromethane		
Vinyl Chloride		
Total Xylene		

SURROGATE RECOVERY

1,2-Dichloroethane-d4:	101
Toluene-d8:	106
4-Bromofluorobenzene:	113

ORGANIC ANALYSIS DATA SHEET

(Volatiles)

LAB NAME: WEST-PAINE LABS
CLIENT:
LAB CODE: LA024
GROUP NO.: 9403016 SUB 09/10/95
MATRIX: (Soil/Water) Water
SAMPLE Wt/Vol: 5.0ml (g/ml)
LAB SAMPLE ID: 0907VBLK
LEVEL: (Low/Med)
LAB FILE ID: P2596
%MOISTURE: not dec. dec.
DATE RECEIVED:
Extraction: (Sept/Cont/Sonc)
DATE EXTRACTED:
GPC CLEANUP: (Y/N) pH
DATE ANALYZED: 09/10/94 1447
DILUTION FACTOR: 1.0
CONCENTRATION UNITS: (ug/L or mg/Kg) ug/L @VOAMS (WATER/SOLID

PARAMETER	RESULT	DETECTION LIMIT
Benzene	<DL	5.0
Bromoform		
Carbon tetrachloride		
Chlorobenzene		
Chlorodibromomethane		
Chloroethane		
2-Chloroethylvinyl ether		
Chloroform		
1,2-Dichlorobenzene		
1,4-Dichlorobenzene		
1,3-Dichlorobenzene		
Dichlorobromomethane		
1,1-Dichloroethane		
1,2-Dichloroethane		
1,1-Dichloroethene		
trans-1,2-Dichloroethene		
1,2-Dichloropropane		
cis-1,3-Dichloropropene		
trans-1,3-Dichloropropene		
Ethylbenzene		
Methyl bromide		
Methyl chloride		
Methylene chloride		
1,1,2,2-Tetrachloroethane		
Tetrachloroethene		
Toluene		
1,1,1-Trichloroethane		
1,1,2-Trichloroethane		
Trichloroethene		
Trichlorofluoromethane		
Vinyl Chloride		
Total Xylene		

SURROGATE RECOVERY

1,2-Dichloroethane-d4:	89
Toluene-d8:	94
4-Bromofluorobenzene:	94

ORGANIC ANALYSIS DATA SHEET

(Volatiles)

LAB NAME:	WEST-PAINE LABS	CLIENT:	
LAB CODE:	LA024	GROUP NO.:	9403016 SAB 02/10/95
MATRIX: (Soil/Water)	Water		
SAMPLE Wt/Vol:	5ml (g/ml)	LAB SAMPLE ID:	0911VBLK
LEVEL: (Low/Med)		LAB FILE ID:	P2616
%MOISTURE: not dec.	dec.	DATE RECEIVED:	
Extraction: (Sepf/Cont/Sonc)		DATE EXTRACTED:	
GPC CLEANUP: (Y/N)	pH	DATE ANALYZED:	09/11/94 1505
DILUTION FACTOR:	1.0		

CONCENTRATION UNITS: (ug/L or mg/Kg) ug/L @VOAMS (WATER/SOLID

PARAMETER	RESULT	DETECTION LIMIT
Benzene	<DL	5.0
Bromoform		
Carbon tetrachloride		
Chlorobenzene		
Chlorodibromomethane		
Chloroethane		
2-Chloroethylvinyl ether		
Chloroform		
1,2-Dichlorobenzene		
1,4-Dichlorobenzene		
1,3-Dichlorobenzene		
Dichlorobromomethane		
1,1-Dichloroethane		
1,2-Dichloroethane		
1,1-Dichloroethene		
trans-1,2-Dichloroethene		
1,2-Dichloropropane		
cis-1,3-Dichloropropene		
trans-1,3-Dichloropropene		
Ethylbenzene		
Methyl bromide		
Methyl chloride		
Methylene chloride		
1,1,2,2-Tetrachloroethane		
Tetrachloroethene		
Toluene		
1,1,1-Trichloroethane		
1,1,2-Trichloroethane		
Trichloroethene		
Trichlorofluoromethane		
Vinyl Chloride		
Total Xylene		

SURROGATE RECOVERY

1,2-Dichloroethane-d4:	93
Toluene-d8:	97
4-Bromofluorobenzene:	115

ORGANIC ANALYSIS DATA SHEET

(Volatiles)

LAB NAME:	WEST-PAINE LABS	CLIENT:	
LAB CODE:	LA024	GROUP NO.:	9403018 6 SAB 02/10/95
MATRIX: (Soil/Water)	Water		
SAMPLE Wt/Vol:	5ml (g/ml)	LAB SAMPLE ID:	0912VBLK
LEVEL: (Low/Med)		LAB FILE ID:	P2647
%MOISTURE: not dec.	dec.	DATE RECEIVED:	
Extraction: (Sepf/Cont/Sonc)		DATE EXTRACTED:	
GPC CLEANUP: (Y/N)	pH	DATE ANALYZED:	09/12/94 0920
DILUTION FACTOR:	1.0		

CONCENTRATION UNITS: (ug/L or mg/Kg) ug/L @VOAMS (WATER/SOLID

PARAMETER	RESULT	DETECTION LIMIT
Benzene	<DL	5.0
Bromoform		
Carbon tetrachloride		
Chlorobenzene		
Chlorodibromomethane		
Chloroethane		
2-Chloroethylvinyl ether		
Chloroform		
1,2-Dichlorobenzene		
1,4-Dichlorobenzene		
1,3-Dichlorobenzene		
Dichlorobromomethane		
1,1-Dichloroethane		
1,2-Dichloroethane		
1,1-Dichloroethene		
trans-1,2-Dichloroethene		
1,2-Dichloropropane		
cis-1,3-Dichloropropene		
trans-1,3-Dichloropropene		
Ethylbenzene		
Methyl bromide		
Methyl chloride		
Methylene chloride		
1,1,2,2-Tetrachloroethane		
Tetrachloroethene		
Toluene		
1,1,1-Trichloroethane		
1,1,2-Trichloroethane		
Trichloroethene		
Trichlorofluoromethane		
Vinyl Chloride		
Total Xylene		

SURROGATE RECOVERY

1,2-Dichloroethane-d4:	91
Toluene-d8:	93
4-Bromofluorobenzene:	95

Volatile Quant Ions

Compound									Base Peak
1* BROMOCHLOROMETHANE	130	128							
2. Chloroethane	50 100	52 33							50
3. Vinyl chloride	62 100	64 30							62
4. Chloroethane	64 100	66 23							64
5. Bromomethane	94 100	96 94							94
6. Trichlorofluoromethane	101 100	103 66							101
7. Acrolein	53 15	55 69	56 100						56
8. 1,1-Dichloroethene	61 100	96 47	98 31						61
9. Carbon disulfide	76 100	78 9							76
10. Acetone	43 100	58 17							43
11. Methylene chloride	49 100	84 65	86 43						49
12. t-1,2-Dichloroethene	61 100	96 68	98 35						61
13 Acrylonitrile	51 34	52 89	53 100						53
14. 1,1-Dichloroethane	63 100	65 30	83 13						63
15 Vinyl acetate	42 7	43 100	86 6						43
16. 2-Butanone MEK	43 100	57 6	72 15						43
17 Chloroform	47	48	49	83 100	85 63				83
18 1,1,1-Trichloroethane	61 82	97 100	99 64	117 13					97

Compound									Base Peak
A. * 1,4-DIFLUOROBENZENE	63	114							
20. Carbon tetrachloride	82 32	117 100	119 98	121					117
21. 1,2-DICHLOROETHANE-D4	65 100	66 [illegible]	67 50	102 9					66
22. 1,2-Dichloroethane	62 100	64 33	98 9						62
23. Benzene	51 22	77 25	78 100						78
24. Trichloroethene	60	62	95 100	97 60	130 93	132			95
25. 1,2-Dichloropropane	65 12	63 100	112 2						63
26. Bromodichloromethane	85 64	83 100	127 8						83
27. 2-Chloroethyl vinyl ether	63 100	65 20	106 22						63
28. c-1,3-Dichloropropene	49	51	73	75 100	77 31	84	110	112	75
29. 4-Methyl-2-pentanone	43 100	57	58 42						43
30. TOLUENE-D8	98 100								
31. Toluene	51	62	63	65	89	91 100	92 59		91
32. t-1,3-Dichloropropene	75 100	77 31	110	112	114				75
33. 1,1,2-Trichloroethane	61 90	62 22	63	83 90	85 60	97 100	99		97
34. * CHLOROBENZENE-D5	117 100								
35. Tetrachloroethene	129 65	131 60	164 50	166 100	168 51				166
36. Dibromochloromethane	47 26	48 26	127 83	129 100	131 30				129

Compound									Base Peak
37. 2-Hexanone	43^{100}	57^{16}	58^{30}						43
38. Chlorobenzene	77^{46}	112^{100}	114^{40}						112
39. Ethyl Benzene	91^{100}	92^{8}	103^{4}	106^{28}					91
40. p,m - Xylene	91^{100}	106^{40}							91
41. o - Xylene	91^{100}	106^{40}							91
42. Styrene	78^{56}	104^{100}							104
43. Bromoform	171^{99}	173^{100}	175^{45}						173
44. 4-BROMOFLUOROBENZENE									
45. 1,1,2,2-Tetrachloroethane	83^{100}	85^{64}	168^{7}						83
46. 1,3-Dichlorobenzene	111^{42}	146^{100}	148^{63}						146
47. 1,4-Dichlorobenzene	111^{47}	146^{100}	148^{62}						146
48. 1,2-Dichlorobenzene	111^{53}	146^{100}	148^{63}						146

Compound									Base Peak
Acetonitrile	39^{25}	40	41^{100}						41
Allyl Chloride	49^{84}	75^{18}	76^{100}	78^{88}					76
n-Butyl Alcohol	42^{30}	43^{76}	56^{100}						56
Chloroprene	52	53^{100}	88^{44}	90^{17}					53
Cyclohexane	42^{19}	56^{100}	84^{63}						56
Dibromoethane	93^{100}	95^{80}	76^{87}	172^{40}	174^{77}				93
t-1,4-dichloro-2-Butene	53^{97}	75^{100}	77^{96}	89	53^{97}				75
1,4-Dioxane	58^{82}	88^{100}							88
1,2-Dibromoethane	107^{100}	109^{91}							107
Ethyl Methacrylate	69^{100}	86^{17}	99^{16}	114^{5}					69
Ethyl Ether	45^{94}	59^{100}	74^{60}						59
Ethyl Acetate	43^{100}	45^{19}	61^{11}						43
Ethylene Oxide	42^{100}	45^{25}							42
Isobutanol	42^{60}	43^{100}	74						43
methyl iodide	127^{66}	141	142^{100}						142
methyl Methacrylate	69^{100}	100^{21}							100
2-Nitropropane	43^{100}	46^{5}							43
Propanitrile	52^{59}	54^{100}	55^{22}						54
1,2,3-Trichloropropane	75^{100}	77^{40}	110^{32}	112					75
Trichlorotrifluoroethane	101^{100}	103^{66}	151^{64}						101
1,1,1,2-Tetrachloroethane	131^{100}	117^{77}							131
Methacrylonitrile	67^{100}	52^{50}	60						

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260053
CLIENT ID : SBA-14
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:50

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 02:03
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	1.37	0.7	0.05	10	8240
Trichloroethylene	1.16	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

CORRECTED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1376.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 13:14 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826TBLK01/TCP/200:1/S-1
Misc Info : 0826TBLK01/TCP/200:1/S-1
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 8
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.618	(0.366)	2311	0.500	2.500(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.525	(0.773)	435183	48.587	242.935
$	4 Phenol-d6	99.00	6.839	(0.957)	359634	43.358	216.791
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
*	10 1,4-Dichlorobenzene-d4	152.00	7.147	(1.000)	197241	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	7.854	(1.099)	51190	7.883	39.413(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.854	(0.888)	362805	41.989	209.947
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.839	(1.000)	641542	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.661	(0.893)	527300	34.754	173.771
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.939	(1.000)	367902	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.639	(1.142)	153022	77.645	388.226
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.168	(1.000)	510939	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	16.746	(1.104)	11400	0.481	2.406(a)
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.011	(0.889)	488832	40.429	202.144
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.382	(1.000)	376150	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.732	(1.016)	10548	0.728	3.640(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.510	(1.000)	288186	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1376.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0826TBLK01/TCP/200:1/S-1

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	197241	14.54
28 Naphthalene-d8	577777	288888	1155554	641542	11.04
44 Acenaphthene-d10	284930	142465	569860	367902	29.12
61 Phenanthrene-d10	402979	201489	805958	510939	26.79
71 Chrysene-d12	263081	131540	526162	376150	42.98
79 Perylene-d12	204133	102066	408266	288186	41.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.02
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.06
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	0.01
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.01
71 Chrysene-d12	21.39	20.89	21.89	21.38	-0.03
79 Perylene-d12	24.51	24.01	25.01	24.51	0.01

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.

Inchcape Testing Services

RECOVERY REPORT

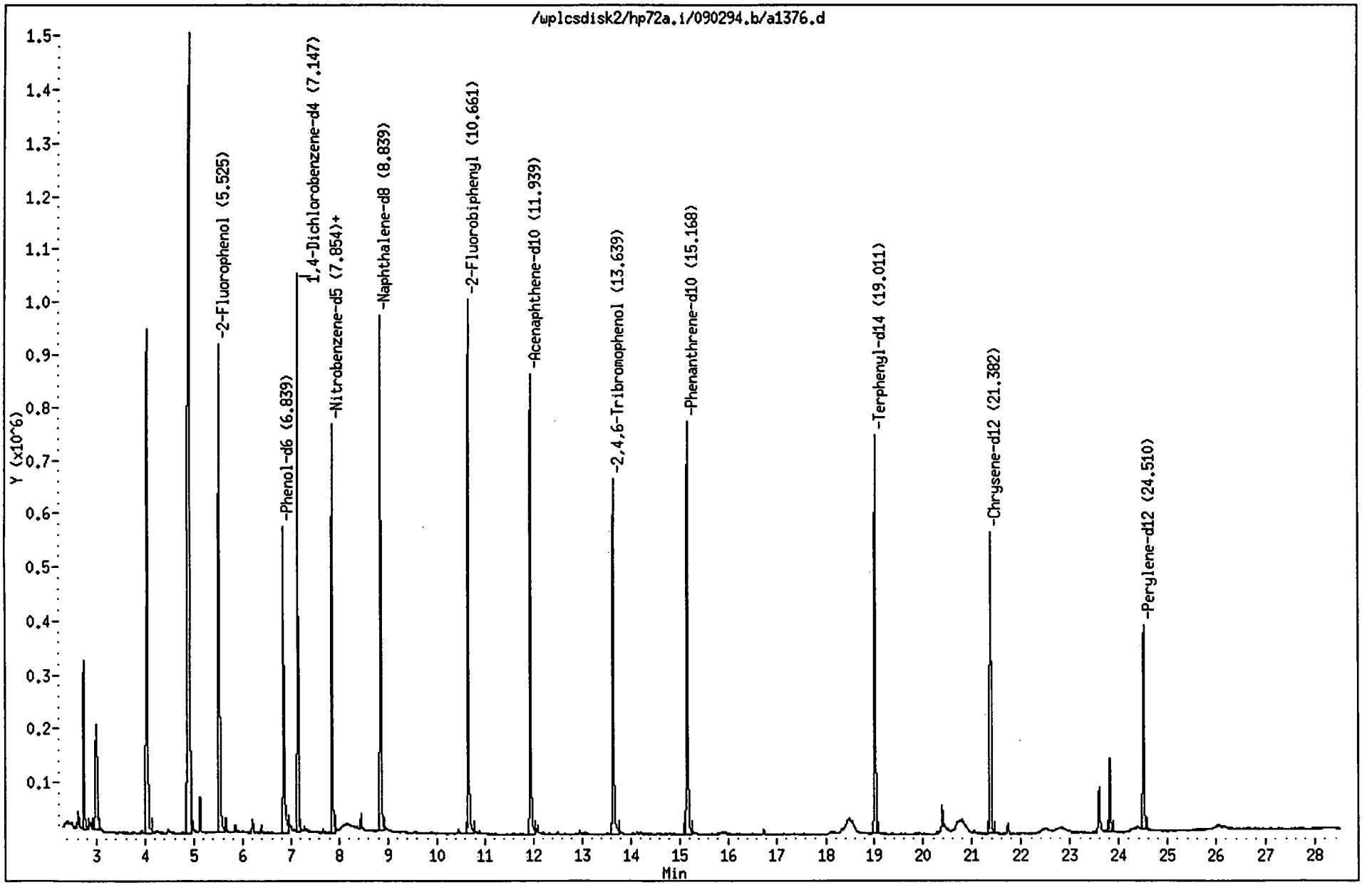
Client Name: Client SDG: 090294.b
Sample Matrix: LIQUID Fraction: SV
Client ID: Level: LOW
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 8270.spk Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0826TBLK01/TCP/200:1/S-1

SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol	500.000	242.935	48.59	21-100
$ 4 Phenol-d6	500.000	216.791	43.36	10-94
$ 19 Nitrobenzene-d5	250.000	209.947	83.98	35-114
$ 37 2-Fluorobiphenyl	250.000	173.771	69.51	43-116
$ 57 2,4,6-Tribromophen	500.000	388.226	77.65	10-123
$ 68 Terphenyl-d14	250.000	202.144	80.86	33-141

* - Values outside of QC limits
Spike Recovery: 0 out of 6 outside limits
0 out of 6 not found

Data File: /wplcsdisk2/hp72a.i/090294.b/a1376.d
Date : 02-SEP-94 13:14
Lab Sample ID:
Sample Info: 0826TBLK01/TCP/200:1/S-1
Volume Injected (uL): 1.0
Column phase: hp-5MS

Instrument: hp72a.i
Operator:
Column diameter: 0.25



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Sample No: 9408260034 & 9408260035MS & 9408260036MSD Level (low/med): low

COMPOUND	SPIKE ADDED (mg/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (mg/kg)	MS % REC#	ADVISORY LIMITS REC.
1,1-Dichloroethene	62.5	< 6.25	64.2	103	59-172
Trichloroethene	62.5	< 6.25	59.3	95	62-137
Benzene	62.5	41.5	97.0	89	60-133
Toluene	62.5	135	183	77	59-139
Chlorobenzene	62.5	< 6.25	58.5	94	66-142

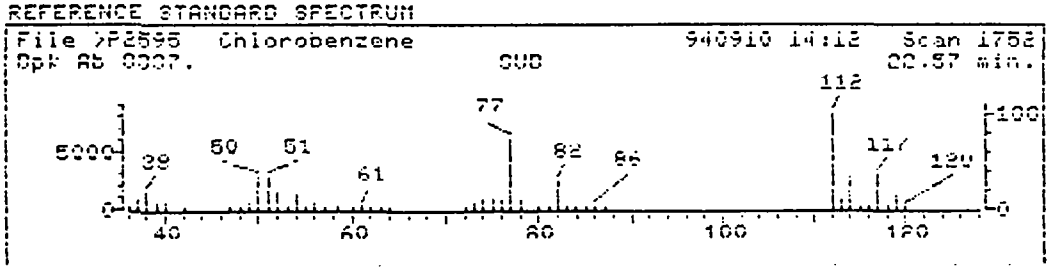
COMPOUND	SPIKE ADDED (mg/kg)	MSD CONCENTRATION (mg/kg)	MSD % REC#	% RPD#	ADVISORY LIMITS RPD	ADVISORY LIMITS REC.
1,1-Dichloroethene	62.5	71.4	114	11	22	59-172
Trichloroethene	62.5	69.0	110	15	24	62-137
Benzene	62.5	111	111	20*	21	60-133
Toluene	62.5	213	125	48*	21	59-139
Chlorobenzene	62.5	71.2	114	10	21	66-142

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

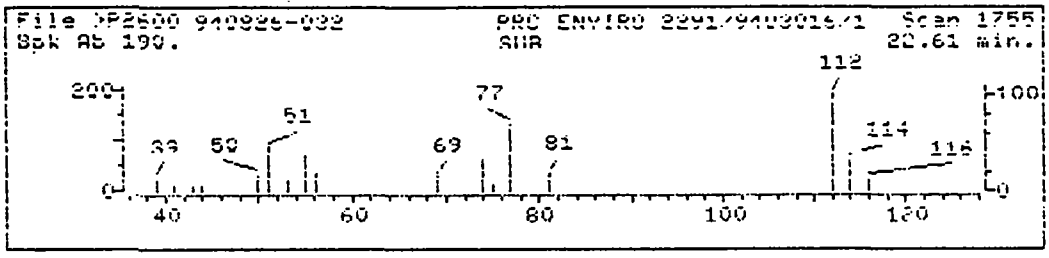
RPD: 2 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: VOSME-044

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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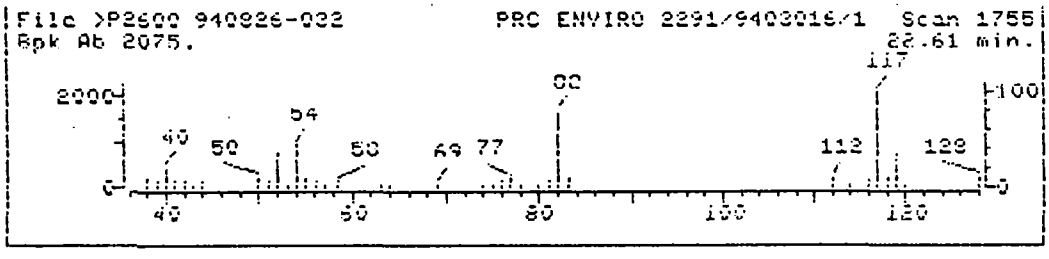
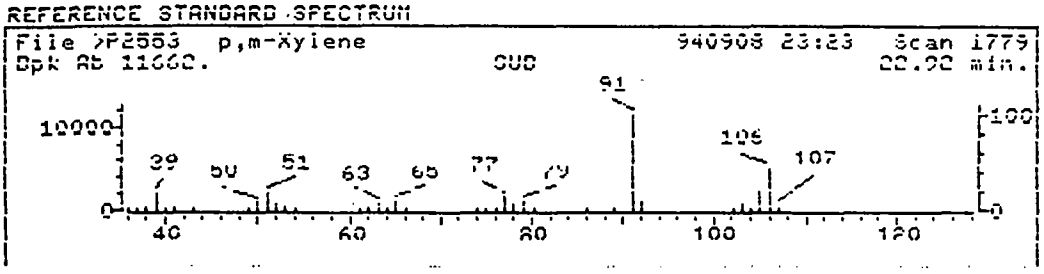


Data File: >P2600::A5 Quant Output File: ^P2600::D1
Name: 940826-032
Misc: PRC ENVIRO 2291/9403016/1250UL/J5
Quant Time: 940910 17:57 Quant ID File: 1DCOM1::A3
Injected at: 940910 17:27 Last Calibration: 940910 15:00

Compound No: 40
Compound Name: Chlorobenzene
Scan Number: 1755
Retention Time: 22.61 min.
Quant Ion: 112.0
Area: 873
Concentration: 1161.92 PPB
Q-value: 91

REFERENCE STANDARD SPECTRUM



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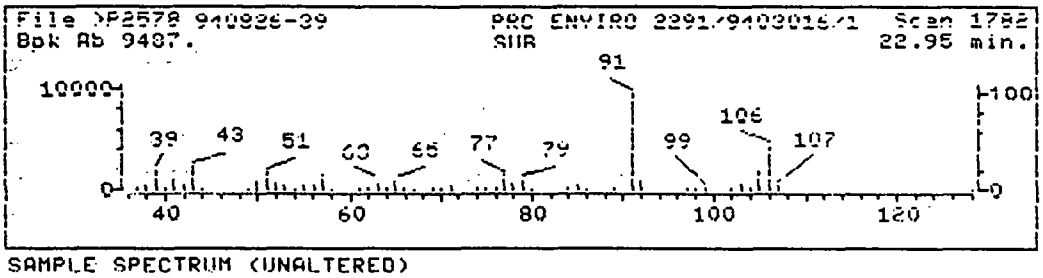

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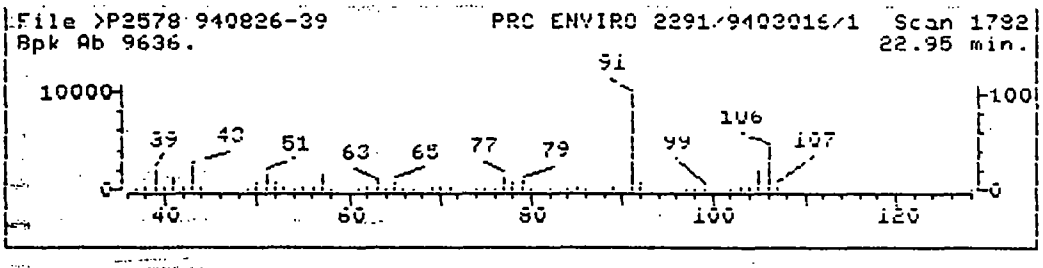
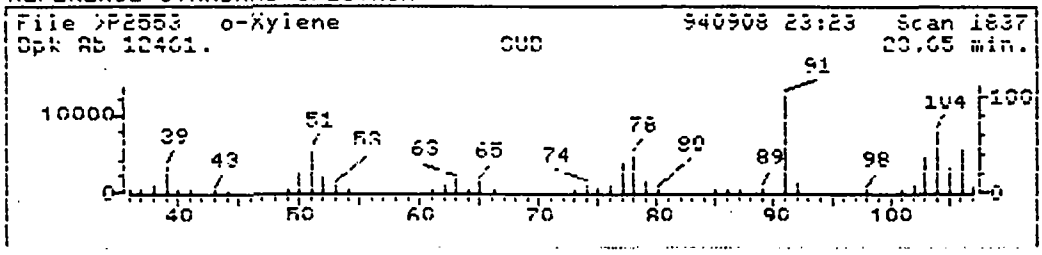


Data File: >P2578::A5 Quant Output File: ^P2578::D1
Name: 940826-39
Misc: PRC ENVIRO 2291/9403016/1250DL/35
Quant Time: 940909 15:44 Quant ID File: IDCOM1::A3
Injected at: 940909 15:14 Last Calibration: 940909 12:22

Compound No: 42
Compound Name: p,m-Xylene
Scan Number: 1782
Retention Time: 22.95 min.
Quant Ion: 106.0
Area: 23335M
Concentration: 50445.26 PPB
q-value: 99

REFERENCE STANDARD SPECTRUM



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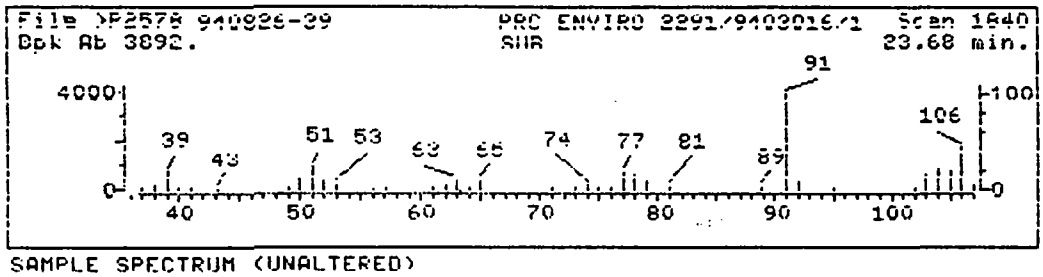

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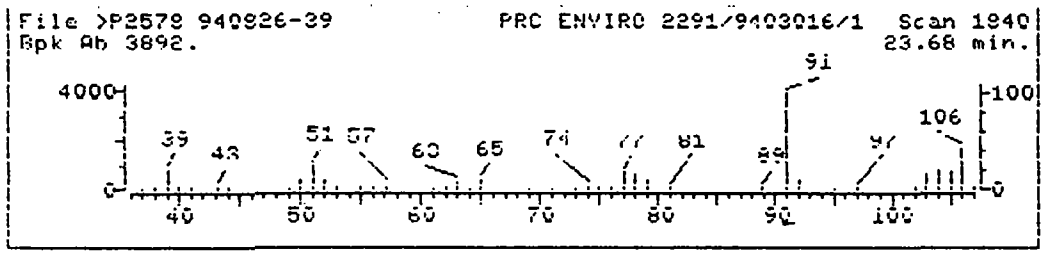
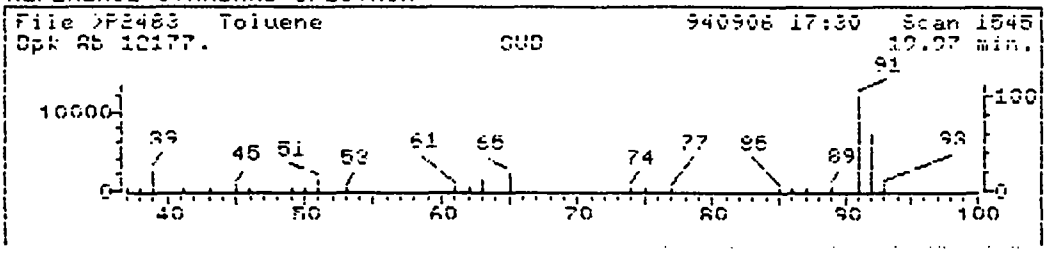


Data File: >P2578::A5 Quant Output File: ^P2578::D1
Name: 940826-39
Misc: PRC ENVIRO 2291/9403016/1250DL/JS
Quant. Time: 940909 15:44 Quant ID File: IDCOM1::A3
Injected at: 940909 15:14 Last Calibration: 940909 12:22

Compound No: 43
Compound Name: o-Xylene
Scan Number: 1840
Retention Time: 23.68 min.
Quant Ion: 106.0
Area: 8642
Concentration: 17829.30 PPB
q-value: 94

REFERENCE STANDARD SPECTRUM



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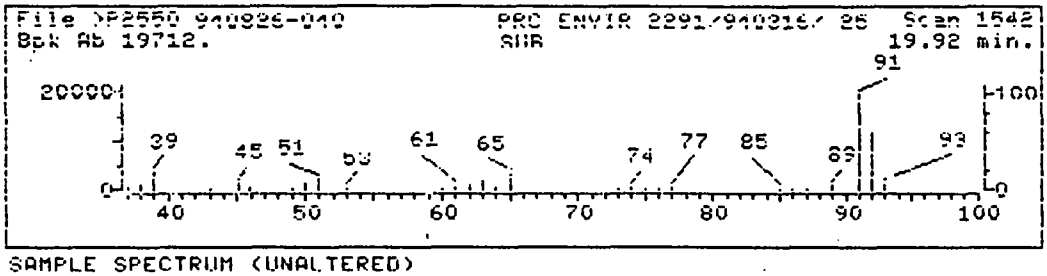

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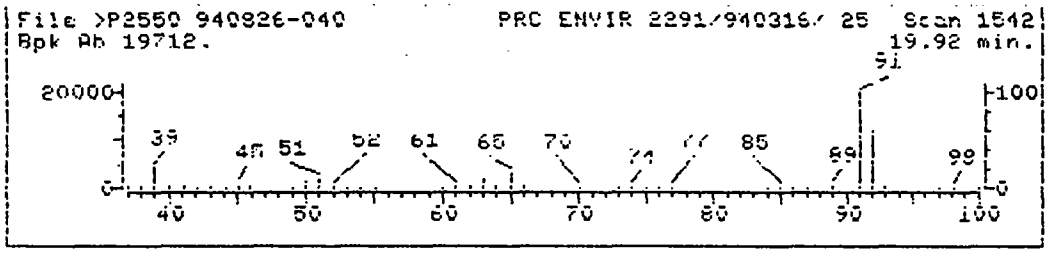
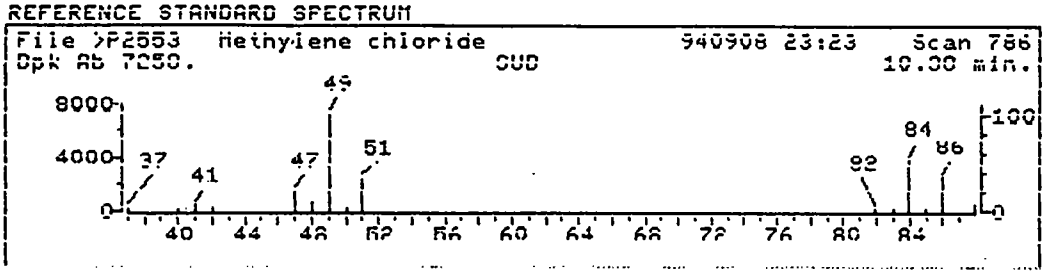


Data File: >P2550::D2 Quant Output File: ^P2550::D1
Name: 940826-040
Misc: PRC ENVIR 2291/940316/ 2500DL/JS
Quant Time: 940908 21:33 Quant ID File: IDCOM1::.A3
Injected at: 940908 21:03 Last Calibration: 940908 11:52

Compound No: 32
Compound Name: Toluene
Scan Number: 1542
Retention Time: 19.92 min.
Quant Ion: 91.0
Area: 111490
Concentration: 229/99.7 PPB
q-value: 94

REFERENCE STANDARD SPECTRUM



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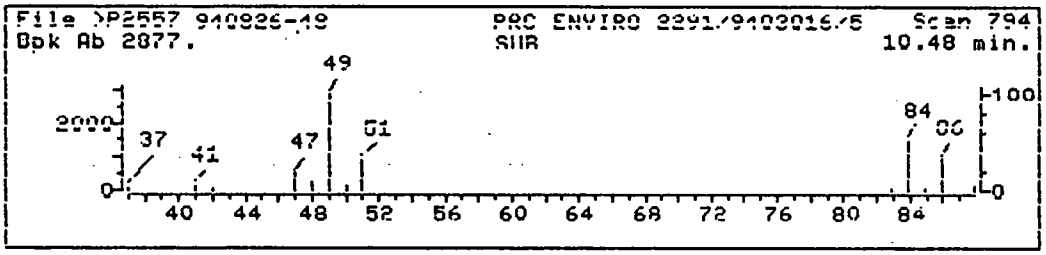

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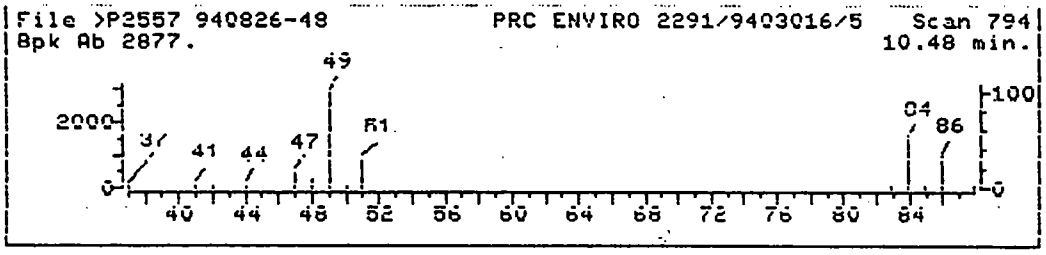
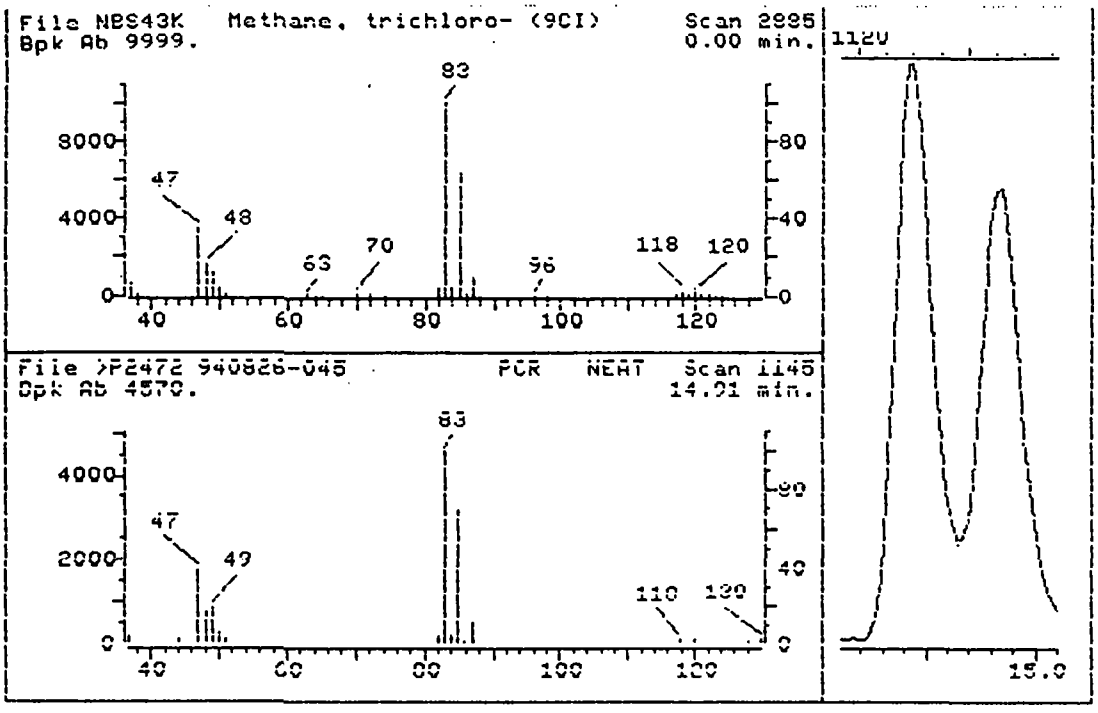
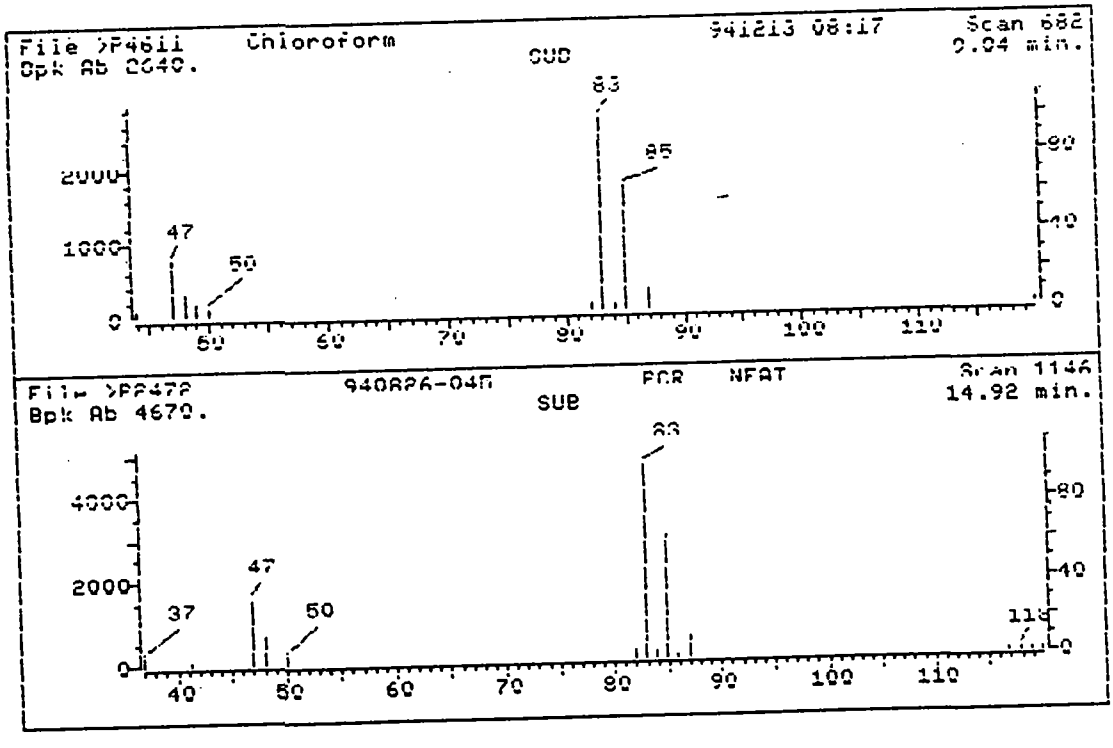


Data File: >P2557::D2 Quant Output File: ^P2557::D1
Name: 940826-48
Misc: PRC ENVIRO 2291/9403016/5UUDL/JS
Quant Time: 940909 02:57 Quant ID File: IDCCW1::A3
Injected at: 940909 02:27 Last Calibration: 940909 01:07

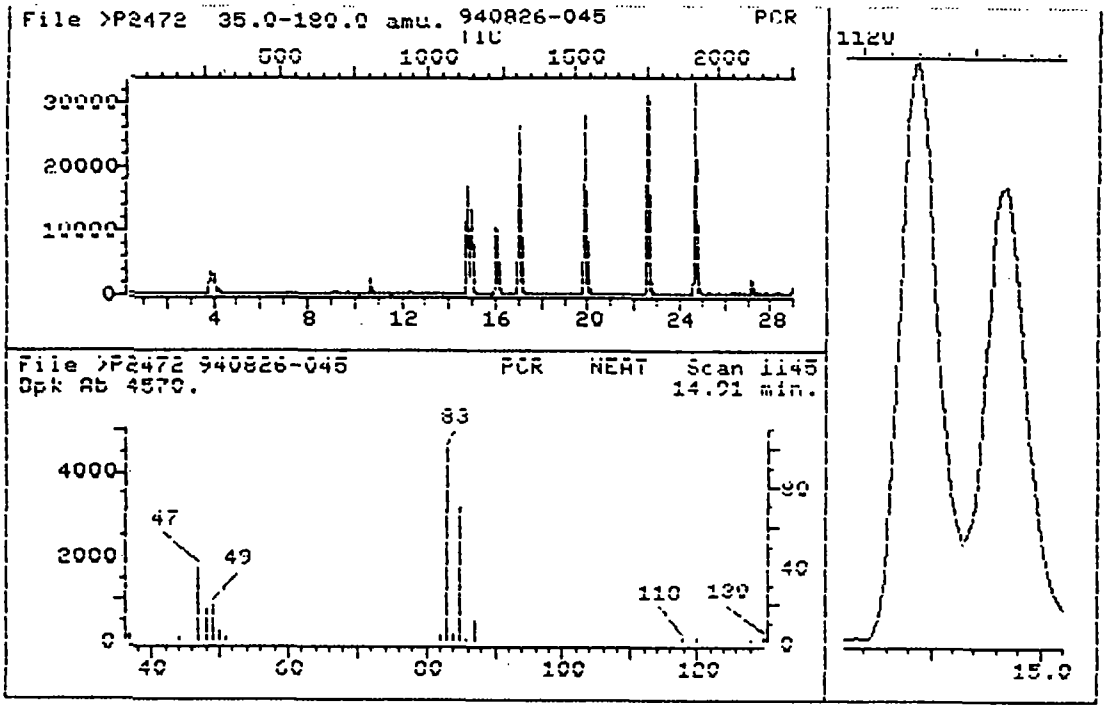
Compound No: 11
Compound Name: Methylene chloride
Scan Number: 794
Retention Time: 10.48 min.
Quant Ion: 84.0
Area: 11159
Concentration: 8248.97 PPB
q-value: 76

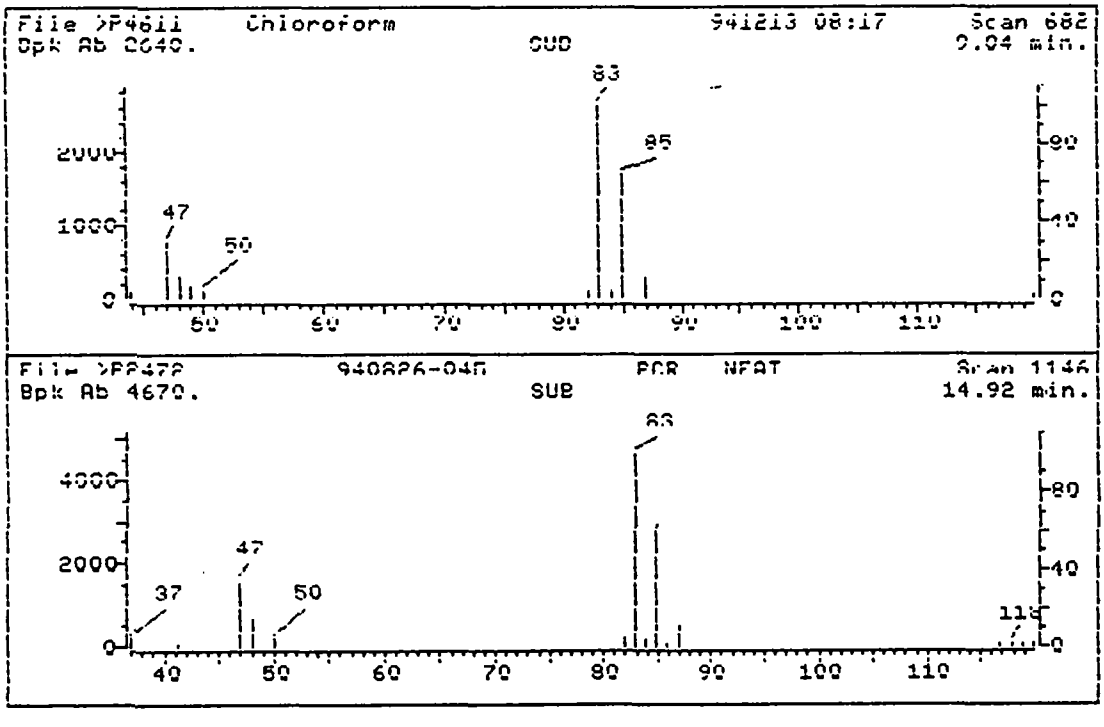
9408260045


File NBS43K Methane, trichloro- (9CI)
Bpk Ab 9999.
Scan 2885
0.00 min.
83
47
48
63
70
96
118
120
File >P2472 940826-045 PCR NEAT Scan 1145
Bpk Ab 4570.
14.01 min.
83
47
49
110
120
1120
15.0


File >P4611 Chloroform
941213 08:17
Scan 682
Bpk Ab 2040.
0.04 min.
CUD
83
85
47
50
File >P2472
940826-04R
PCR NEAT
Scan 1146
Bpk Ab 4670.
14.92 min.
SUB
83
47
37
50
110

9408260045


File >P2472 35.0-180.0 amu. 940826-045 PCR
500 1000 1500 2000
30000
20000
10000
0
4 8 12 16 20 24 28
File >P2472 940826-045 PCR NEAT Scan 1145
Bpk Ab 4570. 14.01 min.
83
47
49
110 120
4000
2000
0
40 60 80 100 120
90
40
0
1120
15.0


File >P4611 Chloroform 941213 08:17 Scan 682
Bpk Ab 2040. SUB 9.04 min.
83
85
47
50
2000
1000
0
50 60 70 80 90 100 110
90
40
0
File >P2472 940826-045 PCR NEAT Scan 1146
Bpk Ab 4670. SUB 14.92 min.
83
47
37
50
4000
2000
0
40 50 60 70 80 90 100 110
80
40
0

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Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260031
CLIENT ID : SBA-02
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:00

ANALYST: hjp ANALYSIS DATE: 09/12/94 METHOD: 8240
ANALYSIS TIME: 14:08 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		4.34	500	2.5
Bromoform	<	DL	500	2.5
Carbon tetrachloride	<	DL	500	2.5
Chlorobenzene	<	DL	500	2.5
Chlorodibromomethane	<	DL	500	2.5
Chloroethane	<	DL	500	2.5
2-Chloroethylvinyl ether	<	DL	500	2.5
Chloroform	<	DL	500	2.5
1,2-Dichlorobenzene	<	DL	500	2.5
1,4-Dichlorobenzene	<	DL	500	2.5
1,3-Dichlorobenzene	<	DL	500	2.5
Dichlorobromomethane	<	DL	500	2.5
1,1-Dichloroethane	<	DL	500	2.5
1,2-Dichloroethane	<	DL	500	2.5
1,1-Dichloroethene	<	DL	500	2.5
trans-1,2-Dichloroethene	<	DL	500	2.5
1,2-Dichloropropane	<	DL	500	2.5
1,3-Dichloropropylene	<	DL	500	2.5
trans-1,3-Dichloropropene	<	DL	500	2.5
Ethylbenzene		8.25	500	2.5
Bromomethane	<	DL	500	2.5
Chloromethane	<	DL	500	2.5
Methylene chloride		7.89	500	2.5
1,1,2,2-Tetrachloroethane	<	DL	500	2.5
Tetrachloroethene	<	DL	500	2.5
Toluene		10.3	500	2.5
1,1,1-Trichloroethane	<	DL	500	2.5
1,1,2-Trichloroethane	<	DL	500	2.5
Trichloroethene	<	DL	500	2.5
Trichlorofluoromethane	<	DL	500	2.5
Vinyl chloride	<	DL	500	2.5
Total Xylene		48.8	500	2.5

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260040
CLIENT ID : SBA-09
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:20

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 03:30
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	*2.25	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	0.08	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	0.12	0.7	0.05	10	8240
Trichloroethylene	0.08	0.5	0.05	10	8240
Vinyl chloride	*0.83	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260030
CLIENT ID : SBA-01
SAMPLE DATE: 08/24/94
SAMPLE TIME: 12:50

ANALYST: hjp
ANALYSIS DATE: 09/09/94 METHOD: 8240
ANALYSIS TIME: 12:37 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		0.64	125	0.625
Bromoform	<	DL	125	0.625
Carbon tetrachloride	<	DL	125	0.625
Chlorobenzene	<	DL	125	0.625
Chlorodibromomethane	<	DL	125	0.625
Chloroethane	<	DL	125	0.625
2-Chloroethylvinyl ether	<	DL	125	0.625
Chloroform	<	DL	125	0.625
1,2-Dichlorobenzene	<	DL	125	0.625
1,4-Dichlorobenzene	<	DL	125	0.625
1,3-Dichlorobenzene	<	DL	125	0.625
Dichlorobromomethane	<	DL	125	0.625
1,1-Dichloroethane	<	DL	125	0.625
1,2-Dichloroethane	<	DL	125	0.625
1,1-Dichloroethene	<	DL	125	0.625
trans-1,2-Dichloroethene	<	DL	125	0.625
1,2-Dichloropropane	<	DL	125	0.625
1,3-Dichloropropylene	<	DL	125	0.625
trans-1,3-Dichloropropene	<	DL	125	0.625
Ethylbenzene		0.63	125	0.625
Bromomethane	<	DL	125	0.625
Chloromethane	<	DL	125	0.625
Methylene chloride	<	DL	125	0.625
1,1,2,2-Tetrachloroethane	<	DL	125	0.625
Tetrachloroethene	<	DL	125	0.625
Toluene		1.01	125	0.625
1,1,1-Trichloroethane	<	DL	125	0.625
1,1,2-Trichloroethane	<	DL	125	0.625
Trichloroethene	<	DL	125	0.625
Trichlorofluoromethane	<	DL	125	0.625
Vinyl chloride	<	DL	125	0.625
Total Xylene		8.70	125	0.625

[redacted] 0000417

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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260039
CLIENT ID : SBA-08
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:10

ANALYST: hjp ANALYSIS DATE: 09/09/94 METHOD: 8240
ANALYSIS TIME: 15:14 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		7.04	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene	<	DL	1250	6.25
Bromomethane	<	DL	1250	6.25
Chloromethane	<	DL	1250	6.25
Methylene chloride		13.9	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene	<	DL	1250	6.25
Toluene		16.9	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene		68.3	1250	6.25

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FMGR : QREP,^P2578

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940909 15:44
Output File: ^P2578::D1 Injected at: 940909 15:14
Data File: >P2578::A5 Dilution Factor: 1250.000
Name: 940826-39
Misc: PRC ENVIRO 2291/9403016/1250DL/JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 12:22

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.59	1120	13537	50.00	PPB	7[illegible]
3)	Vinyl chloride	5.11	369	1647	4673.78	PPB	9[illegible]
11)	Methylene chloride	10.41	789	10348	13858.60	PPB	7[illegible]
16)	cis-1,2-Dichloroethylene	14.01	1074	2568	1551.70	PPB	8[illegible]
20)	*1,4-DIFLUOROBENZENE	16.85	1299	60500	50.00	PPB	8[illegible]
22)	1,2-DICHLOROETHANE-D4	15.90	1224	22423	59644.30	PPB	8[illegible]
24)	Benzene	16.04	1235	7811	7040.15	PPB	10[illegible]
30)	4-Methyl-2-pentanone	19.78	1531	1078	3037.21	PPB	4[illegible]
31)	TOLUENE-D8	19.78	1531	49847	61556.98	PPB	9[illegible]
32)	Toluene	19.92	1542	19083	16938.23	PPB	9[illegible]
35)	*CHLOROBENZENE-D5	22.50	1747	45367	50.00	PPB	9[illegible]
36)	Tetrachloroethene	20.96	1625	1310	3471.30	PPB	9[illegible]
40)	Chlorobenzene	22.55	1751	951	1221.83	PPB	9[illegible]
41)	Ethyl benzene	22.74	1766	2074	5598.26	PPB	9[illegible]
42)	p,m-Xylene	22.95	1782	23335M	50445.26	PPB	9[illegible]
43)	o-Xylene	23.68	1840	8642	17829.30	PPB	9[illegible]
44)	Styrene	23.69	1841	5874	7404.71	PPB	8[illegible]
46)	BROMOFLUOROBENZENE	24.61	1914	41245	67878.70	PPB	7[illegible]
50)	1,2-Dichlorobenzene	27.13	2113	468	784.17	PPB	7[illegible]

* Compound is ISTD

CONNECTED

0000514

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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260039
CLIENT ID : SBA-08
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:10

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 01:43
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.28	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	0.55*	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

CORRECTED

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

November 18, 1994

MEMORANDUM

SUBJECT: Validation of laboratory analysis for samples collected at RCRA regulated facilities Van Waters & Rogers and SBA Shipyards

FROM: Mary Tucker
Technical Section (6H-CX)
RCRA Enforcement Branch

TO: Melvin Ritter
ESAT Coordinator
Houston Laboratory (6E-HO)

The sampling data packages for the above facilities are being forwarded to the Houston Laboratory in order to validate the information. Initially, I requested the information be returned upon completion of the validation, however, I managed to xerox the information prior to forwarding it to the lab. Therefore, feel free to keep the copies for your files.

If you have any questions, call me at (214) 665-8320 or Gregory Pashia at (214) 665-2287.

Enclosures

Printed on Recycled Paper

November 18, 1994

MEMORANDUM

SUBJECT: Validation of laboratory analysis for samples collected at RCRA regulated facilities Van Waters & Rogers and SBA Shipyards

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Technical Section (6H-CX)
RCRA Enforcement Branch

TO: Melvin Ritter
ESAT Coordinator
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If you have any questions, call me at (214) 665-8320 or Gregory Pashia at (214) 665-2287.

Enclosures

QA Tracking # Q94-181

August 22, 1994

Mr. Greg Pashia
Work Assignment Manager
RCRA Enforcement Branch
U.S. EPA Region 6
1445 Ross Avenue
Dallas, TX 75202

Subject: **U.S. EPA Contract No. 68-W4-0007**
Work Assignment No. R06024
SBA Shipyards, Inc.
LAD008343185
Submittal of Site-Specific QAPjP

Dear Mr. Pashia:

Enclosed are two copies of the site-specific quality assurance project plan (QAPjP) for the above-referenced work assignment. The site-specific QAPjP has been finalized for the specific multimedia sampling event August 24 through 26, 1994, at the SBA Shipyards, Inc., site in Jennings, Louisiana.

Please provide PRC with a signed copy of the approval sheet. Please call me at (214) 754-8765 if you have any questions.

Sincerely,

Joan A. Middleton, P.G.
Project Manager

enclosure

cc: Rena McClurg, EPA RPO
Arthur Glazer, PRC Program Manager
Ken Partymiller, PRC Quality Assurance Manager
Stephen Phillips, PRC Regional Manager
File

COMPLIANCE EVALUATION AND SAMPLING INSPECTION
AT
SBA SHIPYARDS, INC.
JENNINGS, LOUISIANA
LAD008434185

QUALITY ASSURANCE PROJECT PLAN

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Solid Waste
Washington, DC 20460

Work Assignment No.	:	R06024
EPA Region	:	6
Date Prepared	:	August 22, 1994
Contract No.	:	68-W4-0007
Prepared by	:	PRC Environmental Management, Inc.
Telephone No.	:	214/754-8765
EPA Work Assignment Manager	:	Mr. Greg Pashia
Telephone No.	:	214/665-2287

QUALITY ASSURANCE PROJECT PLAN
FOR
COMPLIANCE EVALUATION AND SAMPLING INSPECTION

SBA SHIPYARDS, INC.
JENNINGS, LOUISIANA
LAD008434185

Revision No. 1

APPROVAL:

PRC QA Manager	_____ Kenneth Partymiller	Date _____
PRC Regional Manager	_____ Stephen Phillips	Date _____
PRC PM	_____ Joan Middleton	Date _____
EPA WAM	_____ Greg Pashia	Date _____

CONTENTS

Section			Page
1.0	PROJECT DESCRIPTION		1
	1.1	BACKGROUND	1
	1.2	PROJECT OBJECTIVE	4
2.0	PROJECT ORGANIZATION AND RESPONSIBILITIES		4
	2.1	PROJECT MANAGER	6
	2.2	PROJECT QUALITY ASSURANCE MANAGER	6
3.0	QUALITY ASSURANCE OBJECTIVE		6
4.0	SAMPLING PROCEDURES		7
	4.1	SAMPLING RATIONALE	7
	4.2	SAMPLING PROTOCOL	12
		4.2.1 Sludge sampling	13
		4.2.2 Soil Sampling	13
		4.2.3 Sediment Sampling	14
		4.2.4 Waste Sampling	14
		4.2.5 Leachate Sampling	15
		4.2.6 Surface Water and Aqueous Sampling	15
		4.2.7 Groundwater Sampling	16
	4.3	SAMPLING DESIGNATIONS AND FREQUENCY	16
	4.4	QUALITY ASSURANCE AND QUALITY CONTROL SAMPLES	17
	4.5	SAMPLING EQUIPMENT DECONTAMINATION	20
5.0	SAMPLE DOCUMENTATION AND CUSTODY		20
6.0	CALIBRATION PROCEDURES, REFERENCES, AND FREQUENCY		21
7.0	ANALYTICAL PROCEDURES		22
8.0	DATA REDUCTION, VALIDATION, AND REPORTING		22
	8.1	DATA REDUCTION	22
	8.2	DATA VALIDATION AND REPORTING	23

CONTENTS
(Continued)

Section		Page
9.0	INTERNAL QUALITY CONTROL CHECKS	23
10.0	PERFORMANCE AND SYSTEM AUDITS	23
11.0	CORRECTIVE ACTIONS	24
12.0	QUALITY ASSURANCE REPORTS TO MANAGEMENT	24
13.0	QUALITY ASSURANCE ITEMS NOT APPLICABLE TO THIS PROJECT	25
REFERENCES		26

TABLES

Table		Page
1	PROPOSED SAMPLING LOCATIONS	8
2	SAMPLE CONTAINER AND PRESERVATION SPECIFICATIONS	9
3	QUALITY ASSURANCE AND QUALITY CONTROL SAMPLES	18

FIGURES

Figure		Page
1	SBA SHIPYARDS GENERAL SITE PLAN	2
2	SBA SHIPYARDS, INC. SURFACE IMPOUNDMENTS	3
3	PRC PROJECT ORGANIZATION	5

1.0 PROJECT DESCRIPTION

PRC Environmental Management, Inc. (PRC), received Work Assignment No. R06024 from the U.S. Environmental Protection Agency (EPA) Region 6 under Contract No. 68-W4-0007—Resource Conservation and Recovery Act (RCRA) Enforcement, Permitting, and Assistance (REPA). This work assignment provides technical support during compliance evaluation inspection (CEI) and sampling inspection activities at SBA Shipyards, Inc. (SBA), in Jennings, Louisiana.

PRC has prepared this quality assurance project plan (QAPjP) to provide specific guidance to the PRC team for sample collection activities to take place at SBA August 24 through 26, 1994. It has been prepared in accordance with the "Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans" (U.S. EPA 1980b) to address the 16 items of a QAPjP, including anticipated field sample collection procedures in Section 4.0.

1.1 BACKGROUND

SBA is a barge repair and cleaning operation located on the Mermentau River near Jennings, Jefferson Davis Parish, Louisiana (Figure 1). Since the mid-1960's, the 98-acre facility has repaired, sandblasted, cleaned, and painted barges. Barges serviced at SBA typically held gasoline, diesel, coal tar, crude oil, and asphalt. Waste from the barges and washout solutions used to clean the barges are stored in three unlined surface impoundments on site (Figure 2). A fourth impoundment, has been backfilled. Other solid waste management units include a solid waste landfill in which several thousand paint containers have been deposited, and a landfarm on which sludge from the surface impoundments are dewatered and treated.

The surface impoundments and landfarm area are within 200 yards of the Mermentau River; the landfill is within 200 feet of the river. Runoff from the landfarm area and one of the impoundments enters a drainage canal, which discharges into the Mermentau River and adjacent wetlands. Borings

placed around the surface impoundments have revealed the presence of free-phase hydrocarbons at a depth of 10 to 15 feet. Several privately-owned hunting camps, within 1/2 mile of the site, may use groundwater as a source of drinking water.

1.2 PROJECT OBJECTIVE

The objective of this work assignment is to assist the EPA work assignment manager (WAM) with the following tasks:

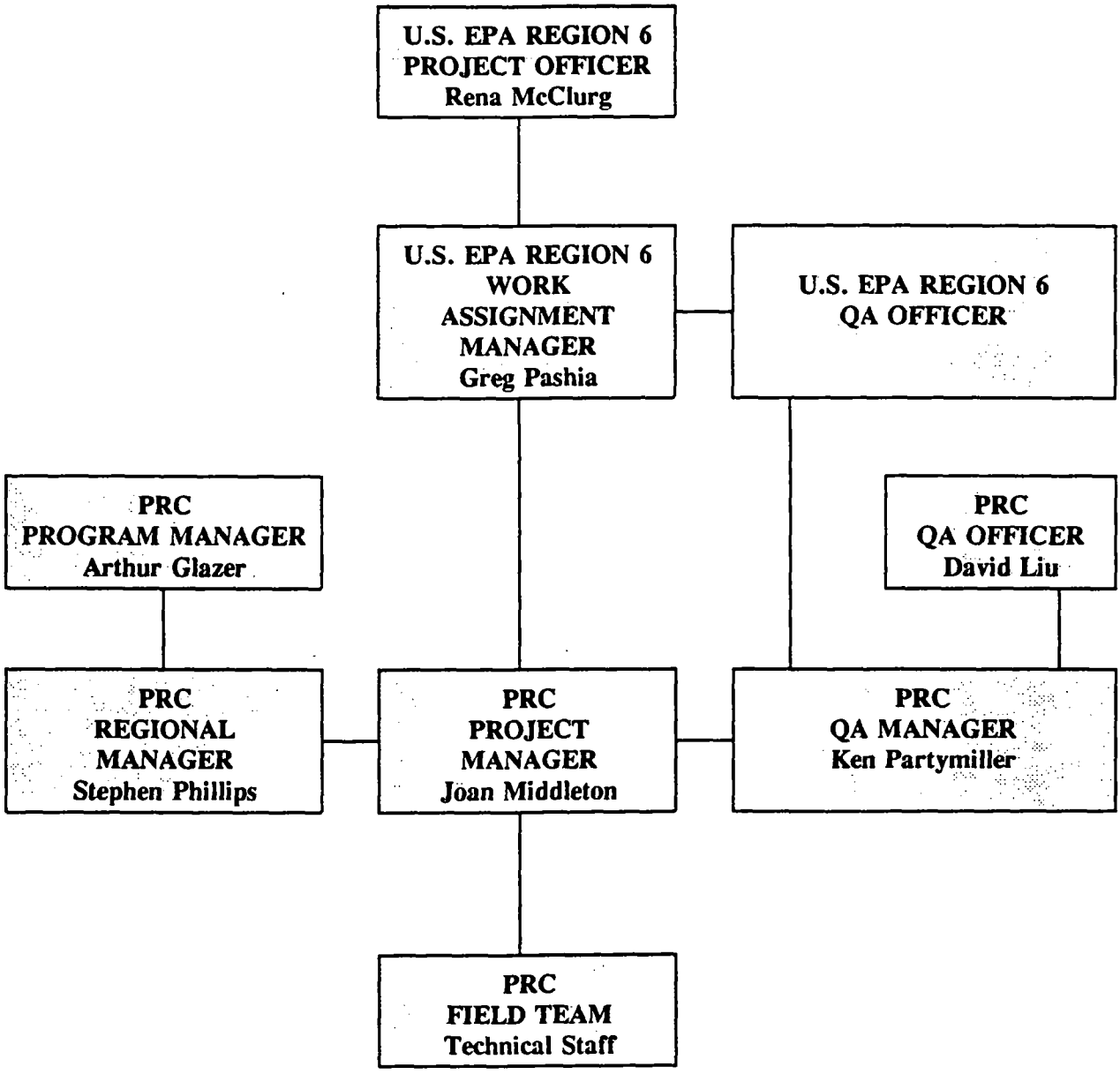
- Conduct a CEI to support the development of a RCRA compliance order.
- Collect multimedia samples from the facility to support the development of a RCRA compliance order and/or a RCRA corrective action order.
- Arrange for a laboratory to provide analytical services.
- Develop an administrative record to support the corrective action.

2.0 PROJECT ORGANIZATION AND RESPONSIBILITIES

PRC oversight will be performed in accordance with the PRC REPA quality assurance (QA) program plan. PRC's REPA QA manager is Dr. Ken Partymiller. Dr. Partymiller will oversee quality control (QC) performance for this project by conducting an independent review of work performed by PRC. PRC's project manager, Ms. Joan Middleton, will maintain communication with Dr. Partymiller and ensure that project activities are performed in accordance with the scope of work specified in the work plan. Figure 3 illustrates PRC's project organization and the integrated responsibilities of assigned staff members under REPA for EPA Region 6.

FIGURE 3

PRC PROJECT ORGANIZATION



2.1 PROJECT MANAGER

The PRC project manager is Ms. Joan Middleton. Ms. Middleton is responsible for maintaining communication with the PRC QA manager and confirming that project activities are performed in accordance with the scope of work specified in the work plan. She is also responsible for (1) assigning QC coordinators for deliverable products, (2) managing, monitoring, and documenting the quality of all work produced or generated during the sampling event, and (3) coordinating with the EPA WAM and any subcontractors designated by the work plan. Problems encountered during the assignment activities will be communicated to, or resolved by, Ms. Middleton.

2.2 PROJECT QUALITY ASSURANCE MANAGER

The PRC QA manager is Dr. Ken Partymiller. He is responsible for independent review, assessment, and consultation, within PRC and with EPA, for all work performed by PRC. Because QA depends on organizational independence, Dr. Partymiller reports directly to Mr. David Liu, PRC QA officer.

The QA manager is responsible for audits and reviews of all work performed. The QA manager also issues recommendations about quality performance to the technical staff and management. He will meet regularly with the PRC project manager to coordinate the QA review of documents. He will also provide recommendations and orders, as required, for corrective action for all aspects of work that do not meet PRC and EPA standards. He will confirm, to the PRC project manager, compliance with orders and recommendations regarding corrective action.

3.0 QUALITY ASSURANCE OBJECTIVE

The main QA program objective is to provide data that comply with EPA Analytical Level III criteria for environmental measurements. The PRC-subcontracted laboratory will provide PRC with a data package for the samples that will include the results of the analyses, QA/QC data, and

chain-of-custody documentation, in accordance with EPA Contract Laboratory Program (CLP) requirements for enforceable data (U.S. EPA 1987a).

4.0 SAMPLING PROCEDURES

PRC will conduct an inspection and sampling in support of a CEI and development of a RCRA compliance order and/or a RCRA corrective action order. Media-specific and/or waste samples will be collected and transported to a PRC-subcontracted laboratory for analysis. The main objective of the sampling is to quantify specific chemical concentrations in the media that are sampled. All samples will be collected and analyzed in accordance with "Test Methods for Evaluating Solid Waste—Physical/Chemical Methods," SW-846, Third Edition (U.S. EPA 1986) and CLP protocols to ensure that data quality criteria are met. Table 1 summarizes the proposed sample locations. Table 2 summarizes the sample container and preservation requirements.

4.1 SAMPLING RATIONALE

In coordination with PRC, the EPA WAM has selected the media to be sampled and the specific chemicals to be analyzed for. Current site conditions may warrant the addition or deletion of sample locations. PRC will coordinate with the EPA WAM during the sampling inspection if current site conditions warrant any changes to the this QAPjP.

PRC will collect multimedia samples from and around several on-site solid waste management units (SWMU) to (1) determine if SWMUs contain RCRA hazardous wastes, (2) quantify any hazardous wastes or hazardous waste constituents, (3) characterize any wastes, and (4) identify contaminant migration away from SWMUs. PRC will sample the following SWMUs and their associated areas of concern:

- Three surface impoundments

TABLE 1

PROPOSED SAMPLING LOCATIONS

Sample Location	Analytical Matrix/Number of Samples							Total
	Sludge	Soil	Sediment	Waste	Leachate	Aqueous	Groundwater	
Surface Impoundment 1	2	0	0	0	0	2	0	4
Surface Impoundment 2	2	0	0	0	0	2	0	4
Surface Impoundment 3	2	0	0	0	0	2	0	4
Backfilled Surface Impoundment	2	2	0	0	0	0	0	4
Landfill	0	2	0	2	2	0	0	6
Landfarm	2	2	0	0	0	0	0	4
Drainage Canal	0	0	2	0	0	1	0	3
Soils Surrounding Surface Impoundments	0	4	0	0	0	0	0	4
Drums	0	0	0	2	0	0	0	2
Monitoring Wells	0	0	0	0	0	0	2	2
Total	**10**	**10**	**2**	**4**	**2**	**7**	**2**	**37**

TABLE 2

SAMPLE CONTAINER AND PRESERVATION SPECIFICATIONS

Sheet 1 of 3

Parameter	Analytical Matrix	Analytical Method[a]	Container Type[b]	Sample Preservation	Holding Time
Appendix IX					
Volatile Organics (VOA)	Aqueous	8240	Two 40-milliliter glass vials	Cool < 4°C	7 days to analysis
Semivolatile Organics (ABN)	Aqueous	8270	Two 1-liter amber glass	Cool < 4°C	7 days to extract 40 days after extraction to analysis
Total Metals (except Chromium VI)	Aqueous	6010, 7060, 7470, 7740, or 7841	One 1-liter poly	Cool < 4°C HNO_3 to pH < 2	6 months 28 days for mercury
Chromium VI	Aqueous	7197	One 1-liter poly	Cool < 4°C	24 hours
TCLP VOA, ABN, and Metals[c]	Aqueous	1311	One 8-ounce glass per parameter	Cool < 4°C	Same as above parameters
Organochlorine Pesticides and PCBs	Aqueous	8080	Two 1-liter glass	Cool < 4°C	7 days to extract 40 days after extraction to analysis
Organophosphate Pesticides	Aqueous	8140	One 1-liter glass	Cool < 4°C	7 days to extract 40 days after extraction to analysis
Chlorinated Herbicides	Aqueous	8150	One 1-liter glass	Cool < 4°C	7 days to extract 40 days after extraction to analysis
Dioxins and Furans	Aqueous	8280	Two 1-liter amber glass	Cool < 4°C	30 days to extract 45 days from date of collection to analysis
Corrosivity (D002)	Aqueous	9045	One 1-liter amber glass	Cool < 4°C	7 days to extract 40 days after extraction to analysis

TABLE 2

SAMPLE CONTAINER AND PRESERVATION SPECIFICATIONS

Sheet 2 of 3

Parameter	Analytical Matrix	Analytical Method[a]	Container Type[b]	Sample Preservation	Holding Time
Ignitability (D001)	Aqueous	1010	One 1-liter amber glass	Cool < 4°C	7 days to extract 40 days after extraction to analysis
Appendix VIII					
Volatile organics (VOA)	Sludge, soil, sediment,and waste	8240	Two 4-ounce glass	Cool < 4°C	14 days to analysis
Semivolatile organics (ABN)	Sludge, soil, sediment,and waste	8270	Two 8-ounce glass	Cool < 4°C	14 days to extract 40 days after extraction to analysis
Total Metals (includes Chromium VI)	Sludge, soil, sediment,and waste	6010, 7060, 7197, 7471, 7740, or 7841	Two 4-ounce glass	Cool < 4°C	6 months (including Mercury) 28 days for Chromium VI
TCLP VOA, ABN, and Metals[c]	Sludge, soil, sediment, and waste	1311	One 8-ounce glass per parameter	Cool < 4°C	Same as parameters above
Organochlorine Pesticides and PCBs	Sludge, soil, sediment,and waste	8080	Two 4-ounce glass	Cool < 4°C	14 days to extract 40 days after extraction to analysis
Organophosphate Pesticides	Sludge, soil, sediment,and waste	8140	Two 4-ounce glass	Cool < 4°C	14 days to extract 40 days after extraction to analysis
Chlorinated Herbicides	Sludge, soil, sediment,and waste	8150	Two 4-ounce glass	Cool < 4°C	14 days to extract 40 days after extraction to analysis
Dioxins and Furans	Sludge, soil, sediment,and waste	8280	One 8-ounce glass	Cool < 4°C	30 days to extract 45 days from date of collection to analysis

TABLE 2

SAMPLE CONTAINER AND PRESERVATION SPECIFICATIONS

Sheet 3 of 3

Parameter	Analytical Matrix	Analytical Method[a]	Container Type[b]	Sample Preservation	Holding Time
Corrosivity (D002)	Aqueous, sludge, soil, sediment,and waste	9045	One 8-ounce glass	Cool < 4°C	14 days to extract 40 days after extraction to analysis
Ignitability (D001)	Sludge, soil, sediment,and waste	1010	One 8-ounce glass	Cool < 4°C	14 days to extract 40 days after extraction to analysis

Notes:

ABN = Acids, bases, and neutral compounds
PCB = Polychlorinated biphenyl
TCLP = Toxicity characteristic leaching procedure
VOA = Volatile organic analysis

[a] Test Methods for Evaluating Solid Waste—Physical/Chemical Methods," SW-846, Third Edition (U.S. EPA 1986)

[b] The PRC-subcontracted laboratory will specify the required sample volumes. All glass containers will have Teflon cap liners or septa.

[c] TCLP extractions will be performed, followed by analysis of extract for directed parameters by the appropriate methods listed.

- One backfilled surface impoundment
- Landfill
- Landfarm
- Drainage ditch
- Drum storage and/or other waste management areas

PRC will collect up to two sludge and two aqueous samples from each of the three active surface impoundments, and up two sludge—if there is any residual sludge—and two soil samples from the backfilled surface impoundment. Four soil samples will be collected within the area of the impoundments where contamination is evident. If feasible, PRC will also sample two of the four monitoring wells which encompass the impoundments.

PRC will collect up to two soil and two waste samples from the landfill. PRC will also sample any leachate (up to two samples), if available.

PRC will collect up to two sludge and two soil samples from the landfarm. PRC will collect two sediment samples from the drainage canal, which collects site runoff and discharges into the Mermantau River and adjacent wetlands. If the canal contains surface water, PRC will also collect an aqueous sample.

If possible, PRC will collect up to two drum waste samples from the drum storage area or from other waste management areas.

4.2 SAMPLING PROTOCOL

Based on a review of available information, PRC will collect sludge, soil, sediment, waste, leachate, aqueous, and groundwater samples in support of the SBA CEI. The step-by-step procedures to be used by the field sampling team for each sampling activity are described in detail in the following subsections.

4.2.1 Sludge sampling

PRC will collect up to 10 sludge samples from within (1) the three active impoundments, (2) the backfilled impoundment (if it contains residual sludge), and (3) the landfarm. With the cooperation of the site owner, the on-site crane may be used to excavate sludge from selected areas within each active impoundment, from which a more representative sample may be obtained. Otherwise, PRC will use a 500-milliliter (ml) polyethylene (PE) scoop (or beaker) with an extension pole to collect sludge from the perimeter of the active impoundments and the landfarm.

PRC will auger through the fill material in the backfilled impoundment to determine the presence of residual sludge. If a sludge layer is encountered, PRC will collect sludge samples using Sludge Judge samplers. If a sludge layer is not encountered, PRC will sample the base of the impoundment with a clean auger bucket.

After collecting the VOA and TCLP VOA fractions with a clean stainless steel trowel or spatula, the remaining sludge will be placed into a stainless steel bowl or aluminum pan and homogenized with the dedicated trowel or spatula. PRC will then collect sample fractions for the remaining parameters. Sample media will be placed into 4- and 8-ounce jars, sealed with teflon tape to prevent leakage, and then appropriately stored (see Table 2).

4.2.2 Soil Sampling

PRC will collect up to 10 soil samples from the (1) backfilled impoundment, (2) landfill, (3) landfarm, and (4) contaminated areas surrounding the impoundments. Surface soil samples will be collected with a clean stainless steel trowel or spoon from the top 6 inches of soil. Subsurface soil samples will be collected using an auger; at the selected sampling depth the used auger bucket will be replaced with a clean auger bucket to collect the sample.

After collecting the VOA and TCLP VOA fractions with a clean stainless steel trowel or spatula, the remaining soil will be placed into a stainless steel bowl or aluminum pan and homogenized with the dedicated trowel or spatula. PRC will then collect sample fractions for the remaining parameters. Sample media will be placed into 4- and 8-ounce jars and then appropriately stored (see Table 2).

4.2.3 Sediment Sampling

PRC will collect two sediment samples from the drainage canal which discharges site runoff into the Mermantau River and adjacent wetlands. PRC will use a 500-ml PE scoop with an extension handle, or a stainless steel trowel or spoon, depending on accessibility, to collect each sediment sample.

After collecting the VOA and TCLP VOA fractions with a clean stainless steel trowel or spatula, the remaining sediment will be placed into a stainless steel bowl or aluminum pan and homogenized with the dedicated trowel or spatula. PRC will then collect sample fractions for the remaining parameters. Sample media will be placed into 4- and 8-ounce jars, sealed with teflon tape to prevent leakage, and then appropriately stored (see Table 2).

4.2.4 Waste Sampling

PRC will collect up to four waste samples from the (1) landfill and (2) the drum storage or other waste management areas. At the landfill, PRC will auger through the cap and then use either a clean auger bucket or a Sludge Judge—depending on the consistency of the waste material—to collect each sample. After collecting the VOA and TCLP VOA fractions with a clean stainless steel trowel or spatula, the remaining landfill waste will be placed into a stainless steel bowl or aluminum pan and homogenized with the dedicated trowel or spatula. PRC will then collect sample fractions for the remaining parameters. Sample media will be placed into the appropriate containers, sealed with teflon tape to prevent leakage, and then appropriately stored (see Table 2).

PRC will sample two open drums using drum thieves. Sealed drums will be sampled only if opened by site personnel. Prior to sampling, the drums will be allowed to vent and monitored with a photoionization detector (PID). PRC personnel will remain upwind of the drums during approach and sampling. Drum waste will placed directly into the appropriate containers using the drum thieves; containers will be sealed with teflon tape to prevent leakage, and then appropriately stored (see Table 2).

Sample collection procedures for other waste management areas will be determined in the field.

4.2.5 Leachate Sampling

PRC may collect up to two leachate samples from the landfill. If leachate is available and accessible, the sample will be collected with a 500-ml PE scoop on an extension pole or a Sludge Judge (after augering to bottom of landfill). Leachate will be placed directly into the appropriate sample containers; the VOA and TCLP VOA fractions will be collected first. Sample containers will be sealed with teflon tape to prevent leakage, and then appropriately stored (see Table 2).

4.2.6 Surface Water and Aqueous Sampling

PRC will collect 7 surface water or aqueous samples from the (1) active surface impoundments and (2) the drainage canal. PRC will collect aqueous samples from the surface impoundments and surface water samples from the canal prior to collecting sludge and sediment samples to minimize artificial mixing. PRC will utilize the same dedicated 500-ml PE scoop to collect an aqueous and a sludge sample, as well as a surface water and a sediment sample, at a particular sample location.

Surface water or aqueous sample media will be placed directly into the appropriate sample containers; the VOA and TCLP VOA fractions will be collected first. Sample containers will be sealed with teflon tape to prevent leakage, and then appropriately stored (see Table 2).

4.2.7 Groundwater Sampling

File documentation suggests the presence of four groundwater monitoring wells situated around the surface impoundments. PRC will sample two of the four monitoring wells if they (1) exist, (2) can be located and easily accessed, and (3) do not contain any free-phase contamination.

Prior to sampling, site personnel should unlock and uncap monitoring wells and allow them to vent; if necessary, PRC will unlock the wells wearing the appropriate personal protective equipment (PPE). The wellhead will be monitored with a PID to determine if sampling may continue. PRC will use an interface probe to determine (1) the presence of multiple phases, (2) static water level, and (3) total depth. The presence of multiple phases will also be visually verified with a transparent bailer. PRC will evacuate three well volumes from each well using a disposable 2-inch-diameter PE bailer. PRC will monitor water quality—temperature, pH, and conductivity—during evacuation and sampling activities. After the well has recharged and reached 75 percent of its equilibrium conditions—static water level, temperature, pH, and conductivity—PRC will begin sampling. Groundwater will be placed directly into the appropriate containers, sealed with teflon tape to prevent leakage, and then appropriately stored (see Table 2).

4.3 SAMPLING DESIGNATIONS AND FREQUENCY

PRC will use only new sample containers obtained from a commercial supplier, which will supply certificates of analysis for the containers. PRC will use only high-purity sample preservatives that meet or exceed the purity requirements stated in the "Compendium of Superfund Field Operations Methods" (U.S. EPA 1987b). Each sample container will be identified with a gummed label. Label information, which will be applied by using waterproof ink, will include (1) the sample designation, (2) the sampling date and time, (3) the type of analysis requested, and (4) the preservation measures used. A custody seal will be placed over the lid of the sealed sample container to prevent it from being reopened after being filled. PRC will (1) wrap each sample container in plastic bubble wrap to prevent breakage, and (2) place the sample containers in clear plastic bags, with labels facing outward

to enable a final QC check of documentation before pickup by the laboratory. The sealed sample containers will be placed into coolers with double-bagged ice. A custody seal will be placed at the front left and rear right sides of the cooler so that the cooler lid cannot be opened without breaking the seals. To ensure that sample holding times are not exceeded, PRC's subcontracted laboratory will pick up the sample coolers daily. All samples will be packaged in compliance with the CLP statement of work (SOW) and current U.S. Department of Transportation regulations.

4.4 QUALITY ASSURANCE AND QUALITY CONTROL SAMPLES

The following QC samples will be used to assess the precision, accuracy, representativeness, completeness, and comparability of analytical laboratory data:

- Field duplicate
- Equipment or rinsate blank
- Field blank
- Matrix spike and matrix spike duplicate (MS/MSD)
- Trip blank

Table 3 identifies the QC samples anticipated for each media for this sampling event. Guidelines for collecting minimum QA/QC samples are in "Data Quality Objectives for Remedial Response Activities" (U.S. EPA 1987a).

Field duplicate samples are collected to document the precision of field collection and laboratory analysis procedures between samples. Collection procedures for field duplicate samples will be consistent with those used for all samples collected for each matrix. Field duplicate samples will be collected at a frequency of one per 10 samples collected for each matrix and concentration level.

TABLE 3

QUALITY ASSURANCE AND QUALITY CONTROL SAMPLES

Sample Type	Analytical Parameter							Total
	Sludge	Soil	Sediment	Waste	Leachate	Aqueous	Groundwater	
Field Duplicate	1	2	0	1	0	1	1	6
Matrix Spike/Matrix Spike Duplicate	1	1	0	1	0	1	1	5
Field Blank	0	0	0	0	0	3	0	3
Equipment Blank	0	0	0	0	0	3	0	3
Trip Blank	0	0	0	0	0	10	0	10
Total	**2**	**3**	**0**	**2**	**0**	**18**	**2**	**27**

Equipment and rinsate blank samples are collected to identify (1) contamination from sampling equipment that has not been adequately decontaminated, (2) cross contamination from previously collected samples, and/or (3) contamination from field conditions during the collection of samples. Equipment blanks will be collected by pouring deionized water over or through (1) decontaminated sampling equipment that will be reused, or (2) equipment that comes into direct contact with the samples. The equipment blanks will be collected after the sampling equipment has been used and decontaminated on site. Equipment blank samples will be collected at a frequency of one per 10 samples collected for each matrix and concentration level.

Field blank samples are intended to identify contamination from ambient field conditions. Field blanks, which consist of reagent-grade water, will be collected in the field. Field blanks will be collected at a frequency of one per 10 samples collected for volatile organic analysis (VOA).

MS/MSD samples will be designated to check the precision and accuracy of the analytical laboratory instruments. Laboratory analysis of MS/MSD samples will be based on a sample frequency of one per 10 samples collected for each matrix and concentration level.

Trip blank samples are intended to identify contamination from sample container transportation or handling in the field and laboratory. Trip blanks, which will consist of reagent-grade water, will be prepared in a clean environment. Trip blanks will be stored in the cooler with the samples during collection and packaging, and included in the shipment to the laboratory. Trip blank samples will be collected at a frequency of one per sampling event for VOA.

The laboratory will be required to analyze interlaboratory split and matrix samples to ensure the precision and accuracy of the analytical laboratory instruments, as specified by the PRC-subcontracted laboratory SOW (U.S. EPA Office of Emergency and Remedial Response 1990a; 1990b). The laboratory will (1) perform the analysis by using methods specified in the CLP SOW, and (2) provide CLP-type data packages.

4.5 SAMPLING EQUIPMENT DECONTAMINATION

After sampling PRC will return any unused portion of sample media to its place of origin. All sampling equipment and any other equipment coming into direct contact with samples will be decontaminated. All nondisposable sampling equipment will be decontaminated between sampling locations to prevent cross contamination. Decontamination will consist of scrubbing equipment in an Alconox and water solution, and then rinsing with deionized water. Decontamination water will be drummed and left on-site for future disposal. All grossly contaminated disposable sampling equipment and personal protective equipment (PPE) will be double-bagged and left on site, pending soil analysis. If these materials require transport and disposal as hazardous waste, this will be accomplished under a subcontract with an approved contractor. All equipment and personnel decontamination water will be collected and stored in drums pending analysis to determine an appropriate disposal method.

5.0 SAMPLE DOCUMENTATION AND CUSTODY

For sample data to be valid for enforcement purposes, samples must be traceable from the time of collection through chemical analysis and final disposition. PRC will use chain-of-custody forms that are specifically prepared for this purpose.

Chain-of-custody forms will be completed in duplicate. One copy will be placed inside each cooler being transported to the laboratory, and the other copy will be retained by PRC personnel. The documentation records accompanying each cooler will be sealed in a plastic bag and taped securely to the inside of the cooler lid. The cooler lids will be secured with strapping tape for shipment. A custody seal will be placed on the front left and rear right sides of the cooler so that anyone opening the lid will break the seals. The laboratory will follow custody procedures specified in the CLP SOW from receipt of the samples to the time at which the samples are properly discarded.

Field activities will be documented in bound logbooks dedicated to the site. For each sample, the location, time, station number, and any field observations will be recorded. The sampler, sample container lot numbers, and sample designations will also be recorded. Each page of the logbook will be dated, numbered, and signed by all individuals making entries. All entries will be made in ink. Errors will be corrected by (1) crossing them out with a single line, and (2) dating and initialing the correction. The use of correction fluid will not be permitted. Field data records will be maintained in accordance with "National Enforcement Investigation Center Policies and Procedures" (U.S. EPA 1985). During sample collection, the PRC inspection team will also videotape and take color and slide photographs to document facility conditions and support the observations recorded in the logbook.

6.0 CALIBRATION PROCEDURES, REFERENCES, AND FREQUENCY

This section describes the calibration procedures and frequency for measuring and testing equipment used during field activities. Specific calibration procedures are typically located in the equipment's operation manual. Calibration standards are prepared from standard EPA and commercial reference materials.

Field measuring and testing equipment will be calibrated, adjusted, and maintained at the PRC equipment maintenance and storage facilities by using either standards provided by the manufacturer or nationally recognized standards. Equipment inspection and service records, and equipment manufacturers' data files, are kept at PRC's equipment distribution center for reference. The calibration and testing instructions from the manufacturer will accompany all measuring and testing equipment to the field. If standards are not available, the nonstandard basis for calibration will be documented in the field logbook.

The method and frequency of calibration for field instrumentation will be based on the (1) type of equipment, (2) stability characteristics, (3) required accuracy, (4) intended use, (5) manufacturer's recommendation, and (6) other conditions that affect measurement control. This information is

specified in the equipment inspection and service record, and the equipment manufacturer's data file. The laboratory will calibrate laboratory analytical equipment in accordance with the specified analytical methodology, the CLP SOW, and its internal QA plan. All calibration standards will be certified or traceable to EPA or reputable standards.

The validity of previous inspection or test results will be evaluated and documented. Out-of-calibration equipment will be segregated and not used until it has been recalibrated. If it is consistently out of calibration, the equipment will be repaired or replaced. Additional calibrations will be performed when equipment accuracy is questionable.

7.0 ANALYTICAL PROCEDURES

The procedures for the chemical analysis of the samples will conform to methods described in "Test Methods for Evaluating Solid Waste—Physical/Chemical Methods," SW-846 (U.S. EPA 1986). The subcontractor laboratory will be responsible for following the appropriate QA/QC procedures and methodologies to ensure that the data quality objectives (DQO) specified in Section 3.0 are met.

8.0 DATA REDUCTION, VALIDATION, AND REPORTING

This section discusses data reduction methods, and the validation and reporting of data.

8.1 DATA REDUCTION

Data reduction will be performed by the PRC-subcontracted laboratory in accordance with the instructions in SW-846 and Title 40, Code of Federal Regulations, Part 261, Appendix II, for each analytical method. If the analytical data do not meet the minimum DQOs, the laboratory will implement the necessary corrective actions. The laboratory will flag data that fall outside of the QC limits.

8.2 DATA VALIDATION AND REPORTING

Data packages from the laboratory will be sent directly to PRC. PRC will photocopy the unvalidated data summary sheets and deliver the data package to the EPA WAM. EPA will be responsible for validating analytical data of all samples collected at the facility. Because of the schedule limitations for completion of the sample reports under this work assignment, these reports will be prepared with unvalidated data.

9.0 INTERNAL QUALITY CONTROL CHECKS

QC checks of work assignment activities are performed internally by the QA manager, QC coordinator, or a senior technical specialist who has QC experience and is not associated with the particular work assignment. Internal QC includes, at a minimum, the following areas:

- Adequacy of data collection and management procedures
- Adherence to established sampling and collection methods
- Implementation of health and safety procedures
- Compliance with applicable laws and regulations
- Compliance with chain-of-custody procedures

10.0 PERFORMANCE AND SYSTEM AUDITS

Audits of QA programs are routinely conducted to assess and document technical performance. Internal QA audits are based on the audit checklists in Appendix A to EPA's "Enforcement Considerations for Evaluation of Uncontrolled Hazardous Waste Disposal Sites by Contractors" (U.S. EPA 1980a). The audit checklists are adapted, as needed, to the specific QA audit. If this is not possible, the program QA manager develops the checklist. QA audits are conducted, as required, by the program QA manager.

Upon completion of a QA audit, the program QA manager submits a report to the program manager, then to the project manager. Deficiencies and recommended corrective actions are referred to the project manager for immediate action. Any corrective action taken by the project manager is reported to the program QA manager.

11.0 CORRECTIVE ACTIONS

An effective QA program requires rapid, effective, and thorough correction of QA problems. Corrective action minimizes the possibility of questionable data or documentation. To provide a complete record of QA activities, PRC documents all QA problems and corrective actions. Any PRC employee who observes a problem may initiate a corrective action request form to document all corrective actions.

Corrective action is not complete until the problem has been effectively and permanently resolved. The REPA QA manager will monitor follow-up action to confirm that the problem does not recur; this is an important step in the corrective action procedure.

Major corrective actions for specific work assignments will be documented and submitted to the REPA program manager. The REPA program manager and program QA manager jointly define responsibilities for scheduling, performing, and documenting the required corrective action and verifying its effectiveness.

12.0 QUALITY ASSURANCE REPORTS TO MANAGEMENT

The REPA program QA manager reports to PRC's QA officer and PRC's president on the status of any required corrective actions and any proposed revisions to the QAPjP. The REPA program manager must also be present when significant problems are to be reported. QA/QC problems and corrective measures are reported to EPA in accordance with the Quality Assurance Management Staff document (U.S. EPA 1980b).

13.0 QUALITY ASSURANCE ITEMS NOT APPLICABLE TO THIS PROJECT

Two of the 16 items required by EPA guidance for a QAPjP do not apply to this QAPjP. They are (1) preventive maintenance, and (2) routine data assessment procedures. All analytical work for samples collected by PRC will be performed by a designated subcontractor laboratory.

REFERENCES

U.S. Environmental Protection Agency (EPA). 1980a. "Enforcement Considerations for Evaluation of Uncontrolled Hazardous Waste Disposal Sites by Contractors." April.

U.S. EPA. 1980b. "Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans," Quality Assurance Management Staff (QAMS)-005/80. December 29.

U.S. EPA. 1985. "National Enforcement Investigation Center Policies and Procedures," EPA-300/9-78-001-R.

U.S. EPA. 1986. "Test Methods for Evaluating Solid Waste—Physical/Chemical Methods," SW-846, Third Edition.

U.S. EPA. 1987a. "Data Quality Objectives for Remedial Response Activities," EPA-540/G-87-003-A.

U.S. EPA. 1987b. "Compendium of Superfund Field Operations Methods," EPA-540/P-87/001.

U.S. EPA Office of Emergency and Remedial Response (OERR). 1990a. "Contract Laboratory Program (CLP) Statement of Work (SOW) for Inorganics Analysis; Multi-Media, Multi-Concentration."

U.S. EPA OERR. 1990b. "CLP SOW for Organics Analysis; Multi-Media, Multi-Concentration."

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CHAIN OF CUSTODY RECORD

Lab use only:

Client Name	Client #	Group #	Due Date
PRC	2291	9403016	9-6-94

Submitted by
Client: PRC
Address: 350 N. ST. PAUL #2600
DALLAS, TX 75201
Contact: JOAN MIDDLETON
Phone: (214) 754-8765
Fax: (214) 922-9715

Bill to
Client: (SAME AS AT LEFT)
Address:
Contact:
Phone:

P. O. Number

Project Name/Number: SBA SHIPYARDS 07OR0602401SA

Sampled By: [signature] Paul Rodgers

ORIGINAL

Analytical Requests: VOA, ABN, TOTAL METALS, TCLP VOA/ABN/METALS, IGNITABILITY

Lab use only: LAB M, Gen Chem, Metals, GC/MS VOA, GC/MS Semi-V, GC/Semi-V, GC, Extractions, Client Services, Ship, Info Request

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No. Containers	Remarks: 94	Lab ID 08126
SL	8/24/94	1250		X	SBA-01		1		30
SL	8/24/94	1300		X	SBA-02		1		31
SL	8/24/94	1320		X	SBA-03		1		32
SL	8/24/94	1330		X	SBA-04		1		33
SL	8/24/94	1355		X	SBA-05		2	-35 MS/MSD-36	34
SL	8/24/94	1410		X	SBA-06		1		37
SL	8/24/94	1415		X	SBA-07		1		38
SL	8/24/94	1510		X	SBA-08		1		39
SL	8/24/94	1520		X	SBA-09		1		40
SL	8/24/94	1540		X	SBA-10		1		41
W	8/24/94	1105		X	SBA-TB01	HCl Na2S2O3	2		42
W	8/25/94	0915		X	SBA-FB01	HCl Na2S2O3	2		43

Lab use only: Custody Seal used ☑ yes ☐ no; in tact ☑ yes ☐ no; Temperature °C 12°C

Turn Around Time: ☐ 24-48 hrs. (min. 100%) ☐ 3 days (75%) ☐ 1 week (50%) ☐ Standard Other _____

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]			
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Nancy Falcon	8-25-94	18:40
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: TURNAROUND TIME IS AS PER BID

17 w/mats
4 a L
4 set VOA

By submitting these samples, you agree to the terms and conditions contained in most recent schedule of services.

___ Water
___ Solid
___ Oil
___ Sludge

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, O = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (504) 767-5717.

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

000859

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CHAIN OF CUSTODY RECORD

Lab use only:

Client Name	Client #	Group #	Due Date
		9403016	

Submitted by
Client: PRC
Address: 350 N. St. Paul #2600
Dallas TX 75201
Contact: Joan Middleton
Phone: (214) 754-8765
Fax: (214) 922-9715

Bill to
Client: (Same)
Address: (as Left)
Contact:
Phone:

P. O. Number:
Project Name/Number: SBA Shipyards Ø7ØRØ6Ø24Ø1SA

Sampled By: Paul Dubois [signature]

Analytical Requests

Lab use only:
LAB M ☐ ☐
Gen Chem ☐ ☐
Metals ☐ ☐
GC/MS VOA ☐ ☐
GC/MS Semi-V ☐ ☐
GC/Semi-V ☐ ☐
GC ☐ ☐
Extractions ☐ ☐
Client Services ☐ ☐
Ship ☐ ☐
Info Request ☐ ☐

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No. Containers	VOA	ABN	TOTAL METALS	TCLP: VOA, ABN, METALS	IGNITABILITY						Remarks: 94	Lab ID 08126
W	8/25/94	0920		X	SBA-ERØ1		2	X	X	X		X							45
W	8/25/94	1108		X	SBA-TBØ2	HCl $Na_2S_2O_3$	2	X				~~X~~							46
S	8/25/94	0805		X	SBA-11		1	X	X	X	X	X							48
S	8/25/94	0812		X	SBA-12		1	X	X	X	X	X							49
S	8/25/94	0817		X	SBA-13		2	X	X	X	X	X						MS-51/MSD-52	50
S	8/25/94	0850		X	SBA-14		1	X	X	X	X	X							53

Lab use only:
Custody Seal
used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 9°C

Turn Around Time: ☐ 24-48 hrs. (min. 100%) ☐ 3 days (75%) ☐ 1 week (50%) ☐ Standard Other _____

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Paul Dubois			
[signature]	Nancy Fabron	8-25-94	18:40

Note:

___ Water
___ Solid
___ Oil
___ Sludge

By submitting these samples, you agree to the terms and conditions contained in the most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, O = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (504) 767-5717.

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

0000860

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

ANALYTICAL RESULTS FOR SAMPLES TESTED BY

INCHCAPE TESTING SERVICES

ENVIRONMENTAL LABORATORIES

BATON ROUGE

PART 1 OF 2

REPORT TO: PRC ENVIRONMENTAL MGMT/DALLAS
1 DALLAS CENTER
350 N ST PAUL ST, STE 2600
DALLAS , TX 75201

ATTENTION: MR LUIS VEGA
CLIENT ID: 2291
GROUP NO : 9403016

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS
1 DALLAS CENTER
350 N ST PAUL ST, STE 2600
DALLAS, TX 75201

GROUP NO. : 9403016
PROJECT NO.:
REPORT DATE: 09/27/94

SAMPLE IDENTIFICATION CROSS REFERENCE

Inchcape Testing Service Identification	Client Identification	Matrix	Collection Date	Collection Time
9408260030	SBA-01	SLUDGE	08/24/94	1250
9408260031	SBA-02	SLUDGE	08/24/94	1300
9408260032	SBA-03	SLUDGE	08/24/94	1320
9408260033	SBA-04	SLUDGE	08/24/94	1330
9408260034	SBA-05	SLUDGE	08/24/94	1355
9408260035	SBA-05MSD	SLUDGE	08/24/94	1355
9408260036	SBA-05MS	SLUDGE	08/24/94	1355
9408260037	SBA-06	SLUDGE	08/24/94	1410
9408260038	SBA-07	SLUDGE	08/24/94	1415
9408260039	SBA-08	SLUDGE	08/24/94	1510
9408260040	SBA-09	SLUDGE	08/24/94	1520
9408260041	SBA-10	SLUDGE	08/24/94	1540
9408260042	SBA-TB01	WATER	08/25/94	1105
9408260043	SBA-FB01	WATER	08/25/94	0915
9408260045	SBA-ER01	WATER	08/25/94	0920
9408260046	SBA-TB02	WATER	08/25/94	1108
9408260048	SBA-11	SOIL	08/25/94	0805
9408260049	SBA-12	SOIL	08/25/94	0812
9408260050	SBA-13	SOIL	08/25/94	0817
9408260051	SBA-13MS	SOIL	08/25/94	0817
9408260052	SBA-13MSD	SOIL	08/25/94	0817
9408260053	SBA-14	SOIL	08/25/94	0850

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Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

CASE NARRATIVE

Client: PRC ENVIRONMENTAL MGMT/DALLAS **Group No:** 9403016
Date: 09/27/94 Page: 1 of 2

ORGANIC QUALITY CONTROL CRITERIA:

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were within quality control criteria.

Instrument Calibration: Both the initial and continuing calibrations were within method quality control criteria.

Surrogate Spikes: In the Semivolatile analysis, sample 9408260048(SBA-11) had one surrogate (2-Fluorophenol) out of Acceptable Limits, but was within laboratory acceptable criteria.

All other surrogate recoveries were within quality control criteria.

Matrix Spike/Matrix Spike Duplicate (MS/MSD): All MS/MSD recoveries were found to be within quality control limits.

Internal Standard Responses: All internal standard responses met method quality control criteria.

Analysis Comments: No unusual analytical problems were encountered during the analysis of these samples.

INORGANIC QUALITY CONTROL CRITERIA:

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were found to be within quality control criteria.

Spike/Duplicate (S/D): Antimony, Arsenic, Thallium and Zinc were outside of Control Limits; however, post digestion spikes were performed and all S/D recoveries were then within quality control criteria.

All other S/D recoveries were within quality control criteria.

ppe

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

CASE NARRATIVE
(continued)

Client: PRC ENVIRONMENTAL MGMT/DALLAS **Group No:** 9403016
Date: 09/27/94 Page: 2 of 2

INORGANIC QUALITY CONTROL CRITERIA:

Laboratory Control Samples: All LCS analyses met quality control criteria.

Calibration Verifications: All ICV, ICB, CCV, CCB analyses met all quality control criteria.

Analysis Comments: No unusual analytical problems were encountered during the analysis of these samples.

West-Paine Laboratories is pleased to have had the opportunity of providing this analytical characterization and is eager to assist you with any future requirements.

Inchcape Testing Services/Environmental Laboratories

Charles P. Byrne, General Manager

10/4/94
Date

ppe

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS
3867 PLAZA TOWER DRIVE
BATON ROUGE, LA 70816

GROUP NO. : 9403016
REPORT DATE: 09/27/94

METHODS & REFERENCES

A. Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1983

Parameter	Method
Antimony	200.7
Arsenic	206.2
Beryllium	200.7
Cadmium	200.7
Chromium	200.7
Copper	200.7
Lead	200.7
Mercury	245.1
Silver	272.1
Nickel	200.7
Selenium	270.2
Thallium	279.2
Zinc	200.7

B. Test Methods for Evaluating Solid Waste, SW-846, Novmeber, 1986, 3rd Ed.

Parameter	Method
Acid(Phenol)Fraction	8270
Base-Neutral Fraction	8270
Volatile Organic Fraction	8240
Flashpoint	1010
Antimony	6010
Arsenic	7060
Beryllium	6010
Cadmium	6010
Chromium	6010
Copper	6010
Lead	6010
Mercury	7471
Silver	7760
Nickel	6010
Selenium	7740
Thallium	7841
Zinc	6010

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
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TO: PRC ENVIRONMENTAL MGMT/DALLAS
3867 PLAZA TOWER DRIVE
BATON ROUGE, LA 70816

GROUP NO. : 9403016
REPORT DATE: 09/27/94

METHODS & REFERENCES

C. Test Methods for Evaluating Solid Waste, SW-846, Novmeber, 1986, 3rd Ed.

Parameter	Method
Acid(Phenol)Fraction	TCLP 1311/8270
Base-Neutral Fraction	TCLP 1311/8270
Volatile Organic Fraction	ZHE 1311/8240
Arsenic	TCLP 1311/6010
Beryllium	TCLP 1311/6010
Cadmium	TCLP 1311/6010
Chromium	TCLP 1311/6010
Lead	TCLP 1311/6010
Mercury	TCLP 1311/7471
Silver	TCLP 1311/7760
Selenium	TCLP 1311/6010

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

Sample receipt at Inchcape Testing Services is documented for your designated sample(s). Chain-of-custody documentation, if provided, is included in this report. Sample analysis was performed in accordance with Environmental Protection Agency protocol or other approved methods.

This report shall not be reproduced except in full, without the written permission of Inchcape Testing Services. The results herein relate only to the sample(s) tested. Documented results are shown on the following page(s).

Charles P. Byrne
General Manager
Vice President
Inchcape Testing Services

0000006

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

MEMORANDUM

Date: March 7, 1995

Subject: Data Review for SBA Shipyard Sample Set

From: Becky Weber
RCRA Data Coordinator
Houston EPA Lab, 6E-HO

Becky Weber

Thru: Mel Ritter
ESAT RPO, 6E-HO

M Ritter original 3/7 + reviewed 3/23/95

To: Greg Pashia
Texas Section, 6H-CT
RCRA Enforcement Branch

In a recent memo dated February 13, 1995, I summarized the data review status for the SBA Shipyard sample data package. The case number 9303017 was complete at that time and I submitted the review reports and additional resubmittal request reports if you decided to have all information submitted if pertinent to your case. Based on our discussions, the last resubmittal request for the organic and inorganic package for this case was not relevant to to pursue, however, if you desire completeness from Inchcape Lab, the memos are enclosed for your convenience in the data packages being returned to you.

I am also shipping the case number 9403016 organic data package which is included in this box. As discussed on the phone, our primary concern is that the Inchcape Lab failed to perform the method-required TCLP extraction blank for the volatile fraction, therefore, we cannot evaluate volatile TCLP sample results for contamination during extraction. See "Resubmitted Data Review Report" dated February 28, 1995, for more detailed information regarding this issue and other review results based on the three resubmissions from Inchcape Lab.

As far as the case number 9403016 inorganic data set, we received the third resubmission on February 15, 1995, from Inchcape Lab which was still incomplete. On February 16, 1995, we faxed PRC and yourself another resubmission request. This information was received on March 3, 1995. The lab corrected and resubmitted all requested forms. The revised summary table is included with the resubmission report. The data is acceptable with the exception of some quality control problems with antimony, thallium, and zinc.

Recycled/Recyclable
Printed with Soy/Canola Ink on paper that contains at least 50% recycled fiber

If I can be of further assistance or if you have any further questions, please call me at (713) 983-2126.

Attachments

cc: Guy Tidmore, 6H-CT
w/o attachments

MANTECH ENVIRONMENTAL TECHNOLOGY, INC.
ESAT REGION VI
c/o U.S. ENVIRONMENTAL PROTECTION AGENCY
10625 FALLSTONE ROAD
HOUSTON, TX 77099

MEMORANDUM

DATE: December 20, 1994

TO: Dr. Melvin Ritter, ESAT RPO, Region VI

FROM: Bill Blanton, ESAT ETM, Region VI

SUBJECT: RCRA Data Review

REF: WUD # 6-5168 ESAT file # 0-1433

Attached is the data review summary for Episode # RCRA 9403016
SDG # SBA-01
Site SBA Shipyards

COMMENTS:

A. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE:

The contractual assessment was not performed for this RCRA case.

B. TECHNICAL/USABILITY ASSESSMENT OF THE DATA PACKAGE:

A total of 1753 results were reviewed for this data package. The data package is technically provisional because more than five-percent of results were qualified due to the following major technical deficiencies.

1. The laboratory omitted the instrument tuning data for all initial calibrations.

2. The spectra for several VOA target analytes failed the compound identification criteria.

3. All positive BNA results were qualified due to the omission of sample spectral data.

4. The laboratory omitted information on extraction, analysis level, and extract/sample size for all samples in each fraction.

MEMORANDUM

W. E. Blanton

To:	**Dr. Melvin Ritter**	**From:**	**W. E. Blanton**
Subject:	**RCRA Project 9403016** **SDG# SBA-01** **Laboratory Resubmissions**	**Date:**	**Dec. 20, 1994**
Copies:	**M. El Feky** **File** **ICF File**	**Ref:**	**MEM1164** **WUD # 6-5168** **O-1433**

Attached is a list of issues needing clarification and items needing corrections and resubmissions for RCRA Project 9403016 SDG SBA-01. The samples in this episode were analyzed by:

INCHCAPE Testing Services
7979 GSRI Ave.
Baton Rouge, LA 70820

These laboratory resubmissions are necessary to enable the Environmental Protection Agency to maximize the usability of the laboratory results in this data package.

Please forward the attached lists to the RCRA User for this case, Gregory Pashia, (214) 665-2287, for proper actions.

In Reference to: RCRA
Project No: 9403016
SDG No: SBA-01

In reference to data for the following fractions:

VOA TCLP VOA BNA TCLP BNA

Summary of Questions/Issues:

A. General for all fractions:

1. The BFB or DFTPP GC/MS tuning data were omitted for the initial calibrations. Please submit these required deliverables.

2. The surrogate recoveries for all method blanks were not reported on the surrogate detail results form. Please revise the form to include this information.

3. The results forms for the method blanks and the method blank forms (equivalent to CLP Form IV) were omitted. Please submit these needed forms.

4. Please submit analytical sequence forms to report the analysis date and time for every field and QC sample (equivalent to CLP Form V).

5. The reviewer could not locate the data for the required TCLP extraction blanks in the data package. Please clarify whether or not the TCLP blank was performed, or submit the data for these blanks.

6. Please clarify whether the "PREP DATE" reported on the result forms for the BNA and TCLP BNA samples is the date for TCLP extraction or preparative extraction.

B. VOA/TCLP VOA:

1. All VOA soil samples appeared to be analyzed at medium levels, please confirm.

2. No quantitation ions were listed on the quant reports for both calibration and sample analyses. Please provide this information.

In Reference to: RCRA
Project No: 9403016
SDG No: SBA-01

Summary of Questions/Issues: (continued)

B. VOA/TCLP VOA: (continued)

3. Samples SBA-05MS/MSD: The benzene and toluene were detected in the unspiked samples, but the "Sample Concentration" was reported as "<6.25" for these two analytes on the MS/MSD recovery result form (p.722). Also, the reported "MS Concentration" for benzene was incorrect on the same form. Please revise and resubmit this form.

4. Sample spectra for the following reported analytes failed the compound identification criteria, or were simply omitted.

   1,1,2-trichloroethane in sample SBA-02,

   chlorobenzene in TCLP sample SBA-03,

   xylenes (total) in sample SBA-08,

   toluene in sample SBA-09,

   1,2-dichloroethane in TCLP sample SBA-09,

   methylene chloride in sample SBA-11, and

   chloroform in sample SBA-ER01.

   Please verify and make necessary correction and resubmission.

5. Sample SBA-01: The reported toluene concentration was off by a factor of 1,000. Please revise and resubmit the reporting form, p.417.

6. Sample SBA-08: The reviewer was unable to verify the concentration for xylenes (total) because the peak area for m,p-xylene was altered on the raw data (p.514). Please verify and make necessary correction and resubmission.

7. TCLP sample SBA-08: The concentration for benzene was mistakenly reported for carbon tetrachloride on the reporting form, p.519. Please revise and resubmit the form.

In Reference to: RCRA
Project No: 9403016
SDG No: SBA-01

Summary of Questions/Issues: (continued)

B. VOA/TCLP VOA: (continued)

8. TCLP sample SBA-14: The reported dilution factor appeared to be wrong on the reporting form, p.578. Please verify and make necessary correction and resubmission.

9. Method blank 0906VBLK, p.706: It appeared that wrong RRF's were used for the compound quantitation. Please verify and make necessary correction and resubmission.

10. The IS areas were omitted for sample SBA-11 (9408260048) on the Volatile Internal Standard and RT Summary form, p.692. Please revise and resubmit the form.

C. BNA/TCLP BNA:

1. All reporting forms omitted the following information: %Solid or %Moisture, Sample volume, Final extract volume, Analysis level, and Injection volume. Please report these necessary information for the reviewer to validate the reported results.

2. Sample spectra were omitted for the positive results in every BNA and TCLP BNA sample. Please submit the required spectral data.

3. The high sample dilution factors (120X to 2,400X) indicated that all soil samples were medium level samples. However, the actual analysis levels could not be verified. Please report the analysis level for every sample.

MEMORANDUM

Bill Blanton BY JJ

To:	**Dr. Melvin Ritter**	**From:**	**W. E. Blanton**
Subject:	**RCRA Project 9403016 SDG# SBA-01 Laboratory Resubmissions (The second request)**	**Date:**	**Feb. 3, 1995**
Copies:	**R. Weber/M. El Feky File ICF File**	**Ref:**	**MEM1187 WUD # 6-5168 O-1433**

Attached is a list of additional issues needing clarification and items needing corrections and resubmissions for RCRA Project 9403016 SDG SBA-01. The samples in this episode were analyzed by:

INCHCAPE Testing Services
7979 GSRI Ave.
Baton Rouge, LA 70820

These additional laboratory resubmissions are necessary to enable the Environmental Protection Agency to maximize the usability of the laboratory results in this data package.

Please forward the attached lists to the RCRA User for this case, Gregory Pashia, (214) 665-2287, for proper actions.

In Reference to: RCRA
Project No: 9403016
SDG No: SBA-01

In reference to data for the following fractions:

VOA TCLP VOA BNA TCLP BNA

Summary of Questions/Issues:

A. VOA/TCLP VOA:

1. Raw data were missing for the BFB tuning analysis associated with the initial calibration for Instrument HP5970 on 8/26/94. Please submit.

2. Please resubmit the following Form V's with the listed errors resolved and corrected:

BFB Inj. Date/Time	Errors
9/9/94 11:04	all analyses listed were performed before the BFB injection.
9/6/94 16:55	the Lab File ID was incorrect for sample 9408260043
9/11/94 12:31	the submitted Form V had the correct sequence but the incorrect header information and RELATIVE ABUNDANCE results.

3. Please submit the Form V's for instrument HP5970 on 8/26/94 and 9/8/94 (21:41).

4. The resubmission cover letter claimed that "Blank results and surrogate recoveries have been submitted", but the reviewer was unable to locate any Form I's or result forms bearing these information. Please verify or submit.

5. No quantitation ion lists have been found in the resubmission data although the laboratory claimed otherwise. Please submit.

6. TCLP sample SBA-14:

   a) The laboratory claimed that the dilution factor was 10 for this sample. However, the original raw data indicated that the dilution factor was 1. Please explain this discrepancy.
   b) The reported concentrations for tetrachloroethylene and trichloroethylene were switched on the result form. Please revise and resubmit again.

In Reference to: RCRA
Project No: 9403016
SDG No: SBA-01

Summary of Questions/Issues: (continued)

B. BNA/TCLP BNA:

1. Raw data were missing for the DFTPP tuning analysis associated with the initial calibration for Instrument HP 72a.i on 9/1/94. Please submit.

2. Please submit the Form V's for instrument HP 72a.i on 9/1/94 (associated with the initial calibration) and 9/8/94(09:21).

3. Sample SBA-12: The spectral data were omitted for the positive hit, benzo(a)pyrene. Please submit.

4. Please submit spectral data for all positive results for the following TCLP samples:

   SBA-04, SBA-05, SBA-06, SBA-07, SBA-08, and SBA-09.

5. Form 4B: The header information for method blank 0829SBLK02 was incorrect. Please revise and resubmit the form.

6. The resubmission cover letter claimed that "Blank results and surrogate recoveries have been submitted", but the reviewer was only able to locate the raw data and surrogate recovery results for the TCLP extraction blank. The reviewer was unable to locate any Form I's or result forms that contained blank results and surrogate recoveries for the preparative extraction method blanks. Please submit.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

RESUBMITTED DATA REVIEW REPORT

DATE :	2/28/95	PROJECT # :	RCRA 9403016
		SAS # :	N/A
TO :	Gregory Pashia (6H-CS)	SDG # :	SBA-01
		LAB :	INCHCAPE
FROM :	Gene Zhu - ManTech ESAT, Region 6	SITE NAME :	SBA Shipyard Inc
		WUD # :	6-5168R (01433)

EFFECTS OF RESUBMITTED INFORMATION ON THE ORIGINAL DATA:

Enclosed are two sets of resubmittals. The first laboratory resubmittal received by ESAT on 1/30/95 was incomplete. In response to the Regional request (see attached Memo dated 2/3/95), the laboratory submitted a second resubmittal which was received on 2/17/95. The following summarizes the impact of both resubmittals on the original data review report.

A. General for all fractions:

1. The laboratory submitted the raw data for the BFB and DFTPP tuning analyses associated with the initial calibrations. The reviewer verified that all GC/MS tuning met QC criteria. Data qualifications for all positive results made in the original data review report under Section 2 are removed.

2&3. The laboratory submitted sample result forms and reported surrogate recoveries for all method blanks. Although the reporting forms contained errors in the matrix and concentration unit for several VOA method blanks, in this reviewer's opinion, all method blanks met the method QC requirements.

4. The Form V's submitted with the first resubmittal were incomplete or incorrect. The laboratory corrected errors and submitted the omitted Form V's in the second resubmittal. The reviewer verified that all samples were analyzed within acceptable analytical sequences.

5. The laboratory failed to perform the method-required TCLP extraction blank for the VOA fraction. The reviewer was unable to evaluate VOA TCLP sample results for contamination during TCLP extraction. All positive results for the VOA TCLP samples should be used with caution as a result of possible contamination through the TCLP extraction. The BNA TCLP extraction blank met the method QC criteria.

In Reference To Case No. RCRA 9403016 SDG: SBA-01
User/Site Name: Gregory Pashia / SBA Shipyard Inc

EFFECTS OF RESUBMITTED INFORMATION ON THE ORIGINAL DATA: (continued)

B. VOA/TCLP VOA:

1. The laboratory confirmed that all VOA samples were analyzed at medium levels.

2. The laboratory submitted the list of quantitation ions with the second resubmittal. The quantitation ions met the method specification.

3. Samples SBA-05MS/MSD: The corrected spike recovery forms demonstrated acceptable MS/MSD performance with the exception of the high %RPD's for benzene and toluene. The data qualification for the unspiked sample SBA-05 in the original data review report under Section 6 remained unchanged for benzene and toluene.

4. The laboratory submitted spectral data for the following positive results and all spectra met compound identification criteria. The data qualifications made in the original data review report under Section 9 are removed for these results:

   chlorobenzene in TCLP sample SBA-03,

   xylenes (total) in sample SBA-08,

   toluene in sample SBA-09,

   methylene chloride in sample SBA-11, and

   chloroform in sample SBA-ER01.

   The laboratory confirmed that 1,1,2-trichloroethane in sample SBA-02 and 1,2-dichloroethane in TCLP sample SBA-09 were false positive. Please use the resubmitted reporting forms for these two samples.

5. Please use the resubmitted reporting form for sample SBA-01 with the correct toluene concentration.

6&7. Sample and TCLP sample SBA-08: The laboratory corrected the reporting errors. Please use the resubmitted reporting forms for these two samples.

8. Sample SBA-14: The laboratory verified that the dilution factor was 10 for this sample. Please use the reporting form submitted with the second resubmittal.

In Reference To Case No. RCRA 9403016 SDG: SBA-01
User/Site Name: Gregory Pashia / SBA Shipyard Inc

EFFECTS OF RESUBMITTED INFORMATION ON THE ORIGINAL DATA: (continued)

B. VOA/TCLP VOA: (continued)

9. Please use the resubmitted page 706 for method blank 0906VBLK.

10. Please use the resubmitted VOA IS/RT Summary form, p.692.

C. BNA/TCLP BNA:

1. The laboratory confirmed that all soil and sludge samples were analyzed and reported on the wet weight basis.

2. The laboratory submitted spectral data for all samples in two resubmittals. The reported positive hits now meet identification criteria for all BNA and TCLP BNA samples.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

RESUBMITTED DATA REVIEW REPORT

DATE :	2/28/95	PROJECT # :	RCRA 9403016
		SAS # :	N/A
TO :	Gregory Pashia (6H-CS)	SDG # :	SBA-01
		LAB :	INCHCAPE
FROM :	Gene Zhu - ManTech ESAT, Region 6	SITE NAME :	SBA Shipyard Inc
		WUD # :	6-5168R (01433)

EFFECTS OF RESUBMITTED INFORMATION ON THE ORIGINAL DATA:

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A. General for all fractions:

1. The laboratory submitted the raw data for the BFB and DFTPP tuning analyses associated with the initial calibrations. The reviewer verified that all GC/MS tuning met QC criteria. Data qualifications for all positive results made in the original data review report under Section 2 are removed.

2&3. The laboratory submitted sample result forms and reported surrogate recoveries for all method blanks. Although the reporting forms contained errors in the matrix and concentration unit for several VOA method blanks, in this reviewer's opinion, all method blanks met the method QC requirements.

4. The Form V's submitted with the first resubmittal were incomplete or incorrect. The laboratory corrected errors and submitted the omitted Form V's in the second resubmittal. The reviewer verified that all samples were analyzed within acceptable analytical sequences.

5. The laboratory failed to perform the method-required TCLP extraction blank for the VOA fraction. The reviewer was unable to evaluate VOA TCLP sample results for contamination during TCLP extraction. All positive results for the VOA TCLP samples should be used with caution as a result of possible contamination through the TCLP extraction. The BNA TCLP extraction blank met the method QC criteria.

In Reference To Case No. RCRA 9403016 SDG: SBA-01
User/Site Name: Gregory Pashia / SBA Shipyard Inc

EFFECTS OF RESUBMITTED INFORMATION ON THE ORIGINAL DATA: (continued)

B. VOA/TCLP VOA:

1. The laboratory confirmed that all VOA samples were analyzed at medium levels.

2. The laboratory submitted the list of quantitation ions with the second resubmittal. The quantitation ions met the method specification.

3. Samples SBA-05MS/MSD: The corrected spike recovery forms demonstrated acceptable MS/MSD performance with the exception of the high %RPD's for benzene and toluene. The data qualification for the unspiked sample SBA-05 in the original data review report under Section 6 remained unchanged for benzene and toluene.

4. The laboratory submitted spectral data for the following positive results and all spectra met compound identification criteria. The data qualifications made in the original data review report under Section 9 are removed for these results:

   chlorobenzene in TCLP sample SBA-03,

   xylenes (total) in sample SBA-08,

   toluene in sample SBA-09,

   methylene chloride in sample SBA-11, and

   chloroform in sample SBA-ER01.

   The laboratory confirmed that 1,1,2-trichloroethane in sample SBA-02 and 1,2-dichloroethane in TCLP sample SBA-09 were false positive. Please use the resubmitted reporting forms for these two samples.

5. Please use the resubmitted reporting form for sample SBA-01 with the correct toluene concentration.

6&7. Sample and TCLP sample SBA-08: The laboratory corrected the reporting errors. Please use the resubmitted reporting forms for these two samples.

8. Sample SBA-14: The laboratory verified that the dilution factor was 10 for this sample. Please use the reporting form submitted with the second resubmittal.

In Reference To Case No. RCRA 9403016 SDG: SBA-01
User/Site Name: Gregory Pashia / SBA Shipyard Inc

EFFECTS OF RESUBMITTED INFORMATION ON THE ORIGINAL DATA: (continued)

B. VOA/TCLP VOA: (continued)

9. Please use the resubmitted page 706 for method blank 0906VBLK.

10. Please use the resubmitted VOA IS/RT Summary form, p.692.

C. BNA/TCLP BNA:

1. The laboratory confirmed that all soil and sludge samples were analyzed and reported on the wet weight basis.

2. The laboratory submitted spectral data for all samples in two resubmittals. The reported positive hits now meet identification criteria for all BNA and TCLP BNA samples.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

ORGANIC REGIONAL DATA ASSESSMENT

EPISODE NO. RCRA 9403016	SITE SBA Shipyard Inc
LABORATORY INCHCAPE	NO. OF SAMPLES 18 (VOA/BNA/TCLP)
CONTRACT# RCRA	MATRIX 4 Water / 14 Soil
SDG# SBA-01	REVIEWER (IF NOT ESD) ESAT
SOW# SW-846/8240/8270	REVIEWER'S NAME Gene Zhu
ACCT# 5AGDGV10 SF# AGDU00	COMPLETION DATE December 20, 1994

Sample No.				
SBA-01	SBA-05	SBA-09	SBA-13	SBA-FB01
SBA-02	SBA-06	SBA-10	SBA-14	SBA-ER01
SBA-03	SBA-07	SBA-11	SBA-TB01	
SBA-04	SBA-08	SBA-12	SBA-TB02	

DATA ASSESSMENT SUMMARY

	VOA	BNA	TCLP VOA	TCLP BNA
1. HOLDING TIMES	O	O	O	O
2. GC/MS TUNE/INSTR. PERFORM.	M	M	M	M
3. CALIBRATIONS	M	O	O	O
4. BLANKS	O	M	M	M
5. SURROGATES	O	O	O	O
6. MATRIX SPIKE/DUP	M	O	M	O
7. OTHER QA/QC	O	O	O	O
8. INTERNAL STANDARDS	O	O	O	O
9. COMPOUND IDENTITY/QUANTITATION	M	M	M	M
10. PERFORMANCE/COMPLETENESS	O	M	O	M
11. OVERALL ASSESSMENT	M	M	M	M

O = Data had no problems.
M = Data qualified due to major or minor problems.
Z = Data unacceptable.
NA = Not applicable.

ARE OF ACTION: Not applicable.

AREA OF CONCERN: The laboratory omitted the instrument tuning data for all initial calibrations. The sample spectra for several VOA target analytes failed the compound identification criteria. The laboratory failed to submit spectral data for all reported BNA target analytes. Crucial information pertaining sample extraction and analysis was omitted in the data package for all fractions.

COMMENTS/CLARIFICATIONS
REGION VI CLP QA REVIEW

EPISODE: RCRA 9403016/SBA-01 **SITE:** SBA Shipyards **LAB:** INCHCAPE

The following is a summary of sample qualifiers used by Region 6 in reporting this RCRA data:

No.	Acceptable	Provisional	Unacceptable
VOA		18	
BNA		15	
TCLP VOA		14	
TCLP BNA		14	

COMMENTS: This RCRA case consisted of organic data for 4 water and 14 soil samples. As indicated on the Inchcape Chain of Custody (COC) Records, all soil samples required VOA, BNA, TCLP VOA, and TCLP BNA analyses. Samples SBA-TB01 and SBA-TB02 were trip blanks, and samples SBA-FB01 and SBA-ER01 were field and equipment rinsate blanks, respectively. The rinsate blank required both VOA and BNA analyses, but all trip and field blanks required the VOA analysis only. Soil samples SBA-05 and SBA-13 were designated for MS/MSD analyses for this SDG.

The Quality Assurance Project Plan required the laboratory to perform all analyses by the SW-846 methods 8240 (VOA) and 8270 (BNA) and submit a data package in accordance with EPA CLP requirements. For the TCLP VOA and TCLP BNA samples, the laboratory reported results for the complete TCLP analytes. However, for the VOA and BNA analyses, the laboratory reported results for only part of the CLP TCL compounds even though the instrument was calibrated for most TCL analytes. The laboratory also omitted many mass spectra and instrument tuning data. The laboratory failed to report pertaining sample extraction and analysis information for all fractions. Inchcape reported all soil sample results on the wet weight basis. No evidence audit was conducted for the Complete Sample Delivery Group File (CSF).

Chloroform was reported above the laboratory quantitation limits (QL's) for the field blanks. Many aromatics and PAH's were reported at very high concentrations in all soil samples. Benzene and vinyl chloride were also reported above the regulatory levels in four TCLP VOA samples. Several TCLP target analytes were reported above the laboratory QL's but below the TCLP regulatory levels in many samples. Some data are technically provisional for all samples due to deficiencies in instrument performance, calibration, blank contamination, MS/MSD performance, compound identification, and compound quantitation.

ORGANIC QA REVIEW
CONTINUATION PAGE

EPISODE: RCRA 9403016/SBA-01 **SITE:** SBA Shipyards **LAB:** INCHCAPE

1. Holding Times - Acceptable. Inchcape reported preparation dates for the samples but did not submit extraction logs to support the reported dates. However, it appeared that the laboratory performed the extractions and analyses in a timely manner.

2. Tuning/Performance - Provisional. The laboratory submitted the BFB and DFTPP GC/MS tuning data for the continuing calibrations but not for the initial calibrations. It is unclear if the initial calibrations and the associated samples were analyzed under an acceptable instrument tuning. The reviewer qualified all positive results as estimated pending laboratory resubmission.

3. Calibrations - Provisional. The instrument calibration generally met the method QC criteria for the reported analytes. The results are estimated for methylene chloride in VOA samples SBA-03, SBA-08, SBA-09, SBA-10, SBA-11, SBA-12, and SBA-14 because the analyte failed the technical %D calibration criteria. Other analytes had the same problem, but sample data were not qualified because these analytes were not detected in the samples.

4. Blanks - Provisional. The laboratory failed to submit reporting forms and only submitted partial raw data for both the method blanks. According to the partial raw data, some VOA method blanks contained chlorobenzene, ethylbenzene, the xylenes, and methylene chloride below the laboratory QL's. In the reviewer's opinion, the methylene chloride results in VOA samples SBA-02, SBA-03, SBA-08, SBA-09, SBA-10, SBA-11, SBA-12, and SBA-14 should be qualified as undetected due to possible laboratory contamination.

Four BNA preparative method blanks contained the target analyte either n-nitroso-dimethylamine or n-nitroso-di-n-propylamine. The method blank 0907SBLK02 may not be acceptable due to high concentration of n-nitrosodimethylamine. The laboratory reported several other method blanks as part of the SDG, but did not submit the raw data. Since the laboratory did not correlate the method blanks and samples, the reviewer was unable to evaluate BNA sample results for blank contamination.

The laboratory did not submit data for the TCLP extraction blanks. All positive results from the TCLP VOA and TCLP BNA sample analyses should be used with caution pending laboratory submission of the blank data.

Original for RCRA Cases

ORGANIC QA REVIEW
CONTINUATION PAGE

EPISODE: RCRA 9403016/SBA-01 **SITE:** SBA Shipyards **LAB:** INCHCAPE

4. Blanks - (continued)

The field blank, equipment rinsate blank, and one trip blank (SBA-TB02) were contaminated with chloroform at concentrations exceeding 6X the reported QL. In this reviewer's opinion, the chloroform results for TCLP samples SBA-03 and SBA-04 should be qualified as undetected due to possible field contamination. The trip blank, SBA-TB01, was not contaminated with target compounds.

5. Surrogates - Acceptable. The BNA TCLP sample SBA-11 had one surrogate recovery marginally below the QC limit, but data qualification was not required. The surrogate recoveries met the method QC requirements for all other sample analyses.

6. Matrix Spike/Matrix Spike Duplicates - Provisional.

VOA/TCLP VOA: Results for the following analytes are estimated due to QC criteria outside the windows (QC limits) for the associated MS/MSD analyses:

benzene and toluene in sample SBA-05 (high %RPD's) and

benzene result in TCLP sample SBA-05 (high %recoveries).

All other MS/MSD results generally met QC criteria.

BNA/TCLP BNA: All matrix spike sample analytes were diluted out for samples SBA-05MS/MSD and SBA-13MS/MSD, and the reviewer could not assess the associated sample data for matrix effects. The %recoveries exceeded the QC limits for pentachlorophenol in the MS/MSD analyses for TCLP samples SBA-05 and SBA-13. Since this analyte was not detected in the unspiked TCLP samples, no data were qualified. Other matrix spike sample analytes met QC criteria.

7. Other QC -

Blank Spike and Blank Spike Duplicate (BS/BSD) - Acceptable. The laboratory analyzed BS/BSD for the BNA soil samples only. The %recoveries and %RPD's were technically acceptable for all spiked analytes.

8. Internal Standards - Acceptable. Internal standard areas met QC criteria for all samples.

ORGANIC QA REVIEW
CONTINUATION PAGE

EPISODE: RCRA 9403016/SBA-01 **SITE:** SBA Shipyards **LAB:** INCHCAPE

9. Compound Identity/Quantitation - Provisional. Inchcape did not report information on sample size, final extract volume, analysis level, and injection volume for all samples. All laboratory detection limits and quantitation results should be used with caution, pending laboratory clarification.

VOA: All soil samples were diluted from 125X to 2,500X due to high concentrations of aromatics, including benzene, toluene, xylenes, and ethylbenzene (up to 350 mg/Kg or ppm). A high concentration of methylene chloride was reported in sample SBA-13. Although not reported, all VOA soil samples appeared to be analyzed as medium level samples.

The toluene result is estimated for sample SBA-01 because the reported concentration was off by a factor of 1000. The reviewer verified that the actual concentration was 1.01 mg/Kg. The result for 1,1,2-trichloroethane in sample SBA-02 is a false positive because the spectrum failed the compound identification criteria. The identification is tentative for the following analytes due to the omission of mass spectral data:

xylenes (total) in sample SBA-08,

toluene in sample SBA-09,

methylene chloride in sample SBA-11, and

chloroform in sample SBA-ER01.

TCLP VOA: Benzene and vinyl chloride were reported above the regulatory levels in samples SBA-04, SBA-05, SBA-08, and SBA-09. Benzene, tetrachloroethylene, and/or several other TCLP target analytes were reported above the laboratory QL's but below the TCLP regulatory levels in samples SBA-01, SBA-02, SBA-05, SBA-06, SBA-11, and SBA-14.

The chlorobenzene identification is tentative for sample SBA-03 due to the omission of mass spectral data. The benzene result is a false negative and the carbon tetrachloride result is a false positive in sample SBA-08 due to laboratory reporting errors. The reviewer verified that the concentration reported for carbon tetrachloride was the benzene concentration in this sample. The 1,2-dichloroethane for sample SBA-09 is a false positive because the spectrum failed the QC criteria.

Sample spectra for other positive results in the VOA and TCLP VOA samples met compound identification criteria.

ORGANIC QA REVIEW
CONTINUATION PAGE

EPISODE: RCRA 9403016/SBA-01 **SITE:** SBA Shipyards **LAB:** INCHCAPE

9. Compound Identity/Quantitation - (continued)

BNA: All soil samples were diluted (from 120X to 2,400X) and analyzed due to high concentrations (up to 11,700 mg/Kg) of target analytes, including naphthalene, phenanthrene, pyrene, chrysene, and other PAH's. However, the identifications of all positive results are tentative because the laboratory did not submit any mass spectral data.

TCLP BNA: Cresols were detected above the laboratory QL's but below the TCLP regulatory levels for samples SBA-04, SBA-05, SBA-06, SBA-07, SBA-08, and SBA-09. Since the laboratory omitted all mass spectral data, the cresols identifications in these samples are tentative pending laboratory resubmission. No other TCLP target analytes were reported above the laboratory QL's.

10. Performance/Completeness - Provisional. The data package was poorly assembled and incomplete. The laboratory omitted many raw data and reporting forms that were required by the Quality Assurance Project Plan. A list containing all needed corrections and resubmissions is attached to this report.

11. Overall Assessment - Data are provisional for all samples in this data package because many results are qualified for deficiencies in instrument performance, calibration, blank contamination, MS/MSD performance, compound identification, and/or compound quantitation.

MEMORANDUM

W. E. Blanton

To:	**Dr. Melvin Ritter**	**From:**	**W. E. Blanton**
Subject:	**RCRA Project 9403016** **SDG# SBA-01** **Laboratory Resubmissions**	**Date:**	**Dec. 20, 1994**
Copies:	**M. El Feky** **File** **ICF File**	**Ref:**	**MEM1164** **WUD # 6-5168** **O-1433**

Attached is a list of issues needing clarification and items needing corrections and resubmissions for RCRA Project 9403016 SDG SBA-01. The samples in this episode were analyzed by:

INCHCAPE Testing Services
7979 GSRI Ave.
Baton Rouge, LA 70820

These laboratory resubmissions are necessary to enable the Environmental Protection Agency to maximize the usability of the laboratory results in this data package.

Please forward the attached lists to the RCRA User for this case, Gregory Pashia, (214) 665-2287, for proper actions.

In Reference to: RCRA
Project No: 9403016
SDG No: SBA-01

In reference to data for the following fractions:

VOA TCLP VOA BNA TCLP BNA

Summary of Questions/Issues:

A. General for all fractions:

1. The BFB or DFTPP GC/MS tuning data were omitted for the initial calibrations. Please submit these required deliverables.

2. The surrogate recoveries for all method blanks were not reported on the surrogate detail results form. Please revise the form to include this information.

3. The results forms for the method blanks and the method blank forms (equivalent to CLP Form IV) were omitted. Please submit these needed forms.

4. Please submit analytical sequence forms to report the analysis date and time for every field and QC sample (equivalent to CLP Form V).

5. The reviewer could not locate the data for the required TCLP extraction blanks in the data package. Please clarify whether or not the TCLP blank was performed, or submit the data for these blanks.

6. Please clarify whether the "PREP DATE" reported on the result forms for the BNA and TCLP BNA samples is the date for TCLP extraction or preparative extraction.

B. VOA/TCLP VOA:

1. All VOA soil samples appeared to be analyzed at medium levels, please confirm.

2. No quantitation ions were listed on the quant reports for both calibration and sample analyses. Please provide this information.

In Reference to: RCRA
Project No: 9403016
SDG No: SBA-01

Summary of Questions/Issues: (continued)

B. VOA/TCLP VOA: (continued)

3. Samples SBA-05MS/MSD: The benzene and toluene were detected in the unspiked samples, but the "Sample Concentration" was reported as "<6.25" for these two analytes on the MS/MSD recovery result form (p.722). Also, the reported "MS Concentration" for benzene was incorrect on the same form. Please revise and resubmit this form.

4. Sample spectra for the following reported analytes failed the compound identification criteria, or were simply omitted.

   1,1,2-trichloroethane in sample SBA-02,

   chlorobenzene in TCLP sample SBA-03,

   xylenes (total) in sample SBA-08,

   toluene in sample SBA-09,

   1,2-dichloroethane in TCLP sample SBA-09,

   methylene chloride in sample SBA-11, and

   chloroform in sample SBA-ER01.

   Please verify and make necessary correction and resubmission.

5. Sample SBA-01: The reported toluene concentration was off by a factor of 1,000. Please revise and resubmit the reporting form, p.417.

6. Sample SBA-08: The reviewer was unable to verify the concentration for xylenes (total) because the peak area for m,p-xylene was altered on the raw data (p.514). Please verify and make necessary correction and resubmission.

7. TCLP sample SBA-08: The concentration for benzene was mistakenly reported for carbon tetrachloride on the reporting form, p.519. Please revise and resubmit the form.

In Reference to: RCRA
Project No: 9403016
SDG No: SBA-01

Summary of Questions/Issues: (continued)

B. VOA/TCLP VOA: (continued)

8. TCLP sample SBA-14: The reported dilution factor appeared to be wrong on the reporting form, p.578. Please verify and make necessary correction and resubmission.

9. Method blank 0906VBLK, p.706: It appeared that wrong RRF's were used for the compound quantitation. Please verify and make necessary correction and resubmission.

10. The IS areas were omitted for sample SBA-11 (9408260048) on the Volatile Internal Standard and RT Summary form, p.692. Please revise and resubmit the form.

C. BNA/TCLP BNA:

1. All reporting forms omitted the following information: %Solid or %Moisture, Sample volume, Final extract volume, Analysis level, and Injection volume. Please report these necessary information for the reviewer to validate the reported results.

2. Sample spectra were omitted for the positive results in every BNA and TCLP BNA sample. Please submit the required spectral data.

3. The high sample dilution factors (120X to 2,400X) indicated that all soil samples were medium level samples. However, the actual analysis levels could not be verified. Please report the analysis level for every sample.

Pashid

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

RECEIVED
JUN 29 1995
HAZARDOUS WASTE COMPLIANCE
ENFORCEMENT SECTION

MEMORANDUM

Date: June 19, 1995

Subject: Data Review for SBA Shipyards

From: Becky Weber Marvelyn Humphrey
RCRA Data Coordinator
Houston EPA Lab, 6E-HO

Thru: Melvin Ritter
ESAT RPO, 6E-HO

To: Greg Pashia
ALONM Section, 6H-CS
RCRA Enforcement Branch

The data review for the SBA Shipyards organic sample lab analysis has been completed. The data is acceptable. Please note, that samples SBA2-01 through SBA2-06 contain TCLP target compounds (benzene, vinyl chloride, 1,2-dichloroethane, and/or tetrachloroethylene) above the regulatory levels. In addition, benzene had low recoveries in both the matrix spike and spike duplicate analyses. Because of the low benzene recoveries in the MS and MSD, the benzene result in sample SBA2-04 is considered to be estimated and the actual concentration may be higher that the concentration reported.

If you have any further questions, please do not hesitate to call me at (713) 983-2126.

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MANTECH ENVIRONMENTAL TECHNOLOGY, INC.
ESAT REGION VI
c/o U.S. ENVIRONMENTAL PROTECTION AGENCY
10625 FALLSTONE ROAD
HOUSTON, TX 77099

MEMORANDUM

DATE: June 9, 1995

TO: Dr. Melvin Ritter, ESAT RPO, Region VI

FROM: Bill Blanton, ESAT ETM, Region VI

SUBJECT: RCRA Data Review

REF: WUD # 6-5577 ESAT file # O-1566

Attached is the data review summary for Episode # RCRA 9502320
SDG # n/a
Site SBA Shipyards

COMMENTS:

A. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE:

The data package is compliant with the specified methods as determined by the hardcopy data review.

B. TECHNICAL/USABILITY ASSESSMENT OF THE DATA PACKAGE:

A total of 130 results were reviewed for this data package. The data package is technically acceptable because less than five-percent of results are qualified for an MS/MSD performance deficiency.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

ORGANIC REGIONAL DATA ASSESSMENT

EPISODE NO. RCRA 9502320	SITE SBA Shipyard Inc
LABORATORY INCHCAPE	NO. OF SAMPLES 13 (TCLP/VOA)
CONTRACT# RCRA	MATRIX 11 Soil / 2 Water
SDG# n/a	REVIEWER (IF NOT ESD) ESAT
SOW# SW-846/1311/8240	REVIEWER'S NAME Gene Zhu
ACCT# 5AGDGV25 SF# AGDU00	COMPLETION DATE June 9, 1995

Sample No.	SBA2-FB01	SBA2-04	SBA2-08	SBA2-TB01
	SBA2-01	SBA2-05	SBA2-09	
	SBA2-02	SBA2-06	SBA2-10	
	SBA2-03	SBA2-07	SBA2-11	

DATA ASSESSMENT SUMMARY

		VOA
1.	HOLDING TIMES	O
2.	GC/MS TUNE/INSTR. PERFORM.	O
3.	CALIBRATIONS	O
4.	BLANKS	O
5.	SURROGATES	O
6.	MATRIX SPIKE/DUP	M
7.	OTHER QA/QC	O
8.	INTERNAL STANDARDS	O
9.	COMPOUND IDENTITY/QUANTITATION	O
10.	PERFORMANCE/COMPLETENESS	O
11.	OVERALL ASSESSMENT	M

O = Data had no problems.
M = Data qualified due to major or minor problems.
Z = Data unacceptable.
NA = Not applicable.

ARE OF ACTION: None.

AREA OF CONCERN: One analyte had low percent recoveries in the MS/MSD analyses.

COMMENTS/CLARIFICATIONS
REGION VI CLP QA REVIEW

EPISODE: RCRA 9502320 **SITE:** SBA Shipyards **LAB:** INCHCAPE

The following is a summary of sample qualifiers used by Region 6 in reporting this RCRA data:

	No.	Acceptable	Provisional	Unacceptable
TCLP VOA		12	1	

COMMENTS: This RCRA case consisted of VOA organic data for two water, two soil, and nine sludge samples. The laboratory performed TCLP extraction followed by VOA analysis for all samples using SW-846 methods 1311 and 8240. The Inchcape Chain of Custody (COC) Record did not request any analysis for the trip blank, sample SBA2-TB01. Sample SBA2-FB01 was a field blank and soil sample SBA2-04 was designated for MS/MSD analyses for this SDG.

Benzene, vinyl chloride, 1,2-dichloroethane, and/or tetrachloroethylene were reported above the regulatory levels for samples SBA2-01 through SBA2-06. Trichloroethylene and chloroform were reported in sample SBA2-05 above the laboratory reporting limits but below the regulatory levels. The benzene result is provisional for sample SBA2-04 because of an MS/MSD performance deficiency. No evidence audit was conducted for the Complete Sample Delivery Group File (CSF). All sample result reporting forms with ESAT data review qualifiers are attached.

1. **Holding Times** - Acceptable. Inchcape performed the extractions and analyses for all samples in a timely manner.

2. **Tuning/Performance** - Acceptable. BFB analyses met the method GC/MS tuning criteria. All analyses met instrument performance guidelines.

3. **Calibrations** - Acceptable. The instrument calibration generally met the method QC criteria for the reported analytes.

4. **Blanks** - Acceptable. The method and TCLP extraction blanks met the method QC criteria. No TCLP target analytes were reported above the reporting quantitation limits. The field and trip blanks, samples SBA2-FB01 and SBA2-TB01, contained no TCLP target analytes.

5. **Surrogates** - Acceptable. The surrogate recoveries met the method QC requirements for all samples.

ORGANIC QA REVIEW
CONTINUATION PAGE

EPISODE: RCRA 9502320 **SITE:** SBA Shipyards **LAB:** INCHCAPE

6. Matrix Spike/Matrix Spike Duplicates (MS/MSD) - Provisional. Benzene had low recoveries in both MS and MSD analyses, and the %RPD's exceeded the method QC limits for both benzene and toluene. The benzene result in the unspiked sample SBA-04 is estimated and biased low. The outlying %RPD for toluene did not affected sample data because this analyte was not detected in the sample. Other matrix spiking analytes met the method QC criteria for accuracy and precision.

7. Other QC -

Laboratory Control Samples (LCS) - Acceptable. The percent recoveries were technically acceptable for all spiked analytes.

8. Internal Standards - Acceptable. The internal standard performance met QC criteria for all samples.

9. Compound Identity/Quantitation - Acceptable. Benzene, vinyl chloride, 1,2-dichloroethane, and/or tetrachloroethylene were reported above the regulatory levels for samples SBA2-01 through SBA2-06. Chloroform and trichloroethylene were reported in sample SBA2-05 above the laboratory reporting limits but below the regulatory levels. Some of these samples also contained several non-TCLP analytes at significant levels, such as cis-1,2-dichloroethene, methylene chloride, and aromatic compounds toluene and xylenes. No TCLP target analytes were reported in the remaining samples. Inchcape analyzed all samples at 10X or 20X dilution because the regulatory levels for all TCLP target analytes were more than 40X higher than the instrument detection limits. Sample spectra met identification criteria for all reported analytes.

10. Performance/Completeness - Acceptable. The data package was complete. A list containing all needed corrections and resubmissions is attached to this report.

11. Overall Assessment - One result is provisional for sample SBA2-04 because of an MS/MSD performance deficiency. All other samples are acceptable.

ORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

U Not detected at reported quantitation limit.

N Identification is tentative.

J Estimated value.

R Unusable.

^ High biased. Actual concentration may be lower than the concentration reported.

v Low biased. Actual concentration may be higher than the concentration reported.

F+ A false positive exists.

F- A false negative exists.

B This result may be high biased because of laboratory/field contamination. The reported concentration is above 5X or 10X the concentration reported in the method/field blank.

UJ Estimated quantitation limit.

T Identification is questionable because other commonly coexisting pesticides are absent in the sample.

***** Result not recommended for as a result of associated QA/QC performance inferior to that from other analysis.

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :

SAMPLE NO : 9503230021
CLIENT ID : SBA2-FB01
SAMPLE DATE: 03/22/95
SAMPLE TIME: 10:25

REPORT DATE : 04/14/95
MATRIX : WATER
RECEIVE DATE: 03/22/95

ANALYST: arr

ANALYSIS DATE: 04/05/95
ANALYSIS TIME: 18:14

PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :

SAMPLE NO : 9503230022
CLIENT ID : SBA2-01
SAMPLE DATE: 03/22/95
SAMPLE TIME: 10:50

REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

ANALYST: arr

ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 11:34

PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.486	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

"**" DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000011

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230023
CLIENT ID : SBA2-02
SAMPLE DATE: 03/22/95
SAMPLE TIME: 11:00

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 11:59
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	1.40*	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	0.683*	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :

SAMPLE NO : 9503230024
CLIENT ID : SBA2-03
SAMPLE DATE: 03/22/95
SAMPLE TIME: 11:05

REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

ANALYST: arr

ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 12:25

PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	1.58*	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	1.01*	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230025
CLIENT ID : SBA2-04
SAMPLE DATE: 03/22/95
SAMPLE TIME: 11:10

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 12:51
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	1.01* J	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230028
CLIENT ID : SBA2-05
SAMPLE DATE: 03/22/95
SAMPLE TIME: 11:25

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 14:05
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.915*	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	0.124	6.0	0.05	10	8240
1,2-Dichloroethane	0.833*	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	1.43*	0.7	0.05	10	8240
Trichloroethylene	0.400	0.5	0.05	10	8240
Vinyl chloride	2.22*	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230029
CLIENT ID : SBA2-06
SAMPLE DATE: 03/22/95
SAMPLE TIME: 11:35

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 17:45
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	2.55*	0.5	0.1	20	8240
Carbon tetrachloride	< DL	0.5	0.1	20	8240
Chlorobenzene	< DL	100.0	0.1	20	8240
Chloroform	< DL	6.0	0.1	20	8240
1,2-Dichloroethane	< DL	0.5	0.1	20	8240
1,1-Dichloroethylene	< DL	0.7	0.1	20	8240
Methyl ethyl ketone	< DL	200.0	0.5	20	8240
Tetrachloroethylene	< DL	0.7	0.1	20	8240
Trichloroethylene	< DL	0.5	0.1	20	8240
Vinyl chloride	2.27*	0.2	0.1	20	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :

SAMPLE NO : 9503230032
CLIENT ID : SBA2-07
SAMPLE DATE: 03/22/95
SAMPLE TIME: 12:20

REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

ANALYST: arr
ANALYSIS DATE: 04/05/95
ANALYSIS TIME: 19:03
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230031
CLIENT ID : SBA2-08
SAMPLE DATE: 03/22/95
SAMPLE TIME: 12:05

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 15:17
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230030
CLIENT ID : SBA2-09
SAMPLE DATE: 03/22/95
SAMPLE TIME: 12:00

ANALYST: arr
ANALYSIS DATE: 04/05/95
ANALYSIS TIME: 18:38
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230034
CLIENT ID : SBA2-10
SAMPLE DATE: 03/22/95
SAMPLE TIME: 12:50

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 16:30
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

"**" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230033
CLIENT ID : SBA2-11
SAMPLE DATE: 03/22/95
SAMPLE TIME: 12:40

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 16:06
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

"**" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : WATER
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230035
CLIENT ID : SBA2-TB01
SAMPLE DATE: 03/22/95
SAMPLE TIME:

ANALYST: arr

ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 17:20

PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

MEMORANDUM

W. E. Blanton

To:	**Dr. Melvin Ritter**	**From:**	**W. E. Blanton**
Subject:	**RCRA Project 9502320 Laboratory Resubmissions**	**Date:**	**June 9, 1995**
Copies:	**R. Weber/M. El Feky** **File** **ICF File**	**Ref:**	**MEM1262** **WUD # 6-5577** **O-1566**

Attached is a list of issues needing clarification and items needing corrections and resubmissions for RCRA Project 9502320. The samples in this episode were analyzed by:

INCHCAPE Testing Services
7979 GSRI Ave.
Baton Rouge, LA 70820

These laboratory resubmissions are necessary to enable the Environmental Protection Agency to maximize the usability of the laboratory results in this data package.

Please forward the attached lists to the RCRA User for this case, Gregory Pashia, (214) 665-2287, for proper actions.

In Reference to: RCRA
Project No: 9502320

In reference to data for the following fractions:

TCLP VOA

Summary of Questions/Issues:

A. TCLP VOA:

1. The instrument ID's reported in the calibration raw data were inconsistent. The initial and one continuing calibration data had "VOA2.i", while other continuing calibration data had "msv2.i". Please verify the actual instrument used and make the necessary correction and resubmission.

2. The 2-butanone, or methyl ethyl ketone, was spiked in both LCS analyses, but was not reported on final reporting forms, pages 132 and 137. Since the spiked amount was not reported, the reviewer was unable to verify the %recovery for this analyte. Please report the spiked amount for this analyte and make the necessary correction and resubmission.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

RESUBMITTED DATA REVIEW REPORT

DATE :	6/19/95	PROJECT # :	RCRA 9502320
		SAS # :	N/A
TO :	Gregory Pashia (6H-CS)	SDG # :	N/A
		LAB :	INCHCAPE
FROM :	Gene Zhu - ManTech ESAT, Region 6	SITE NAME :	SBA Shipyard Inc
		WUD # :	6-5577R (01566)

EFFECTS OF RESUBMITTED INFORMATION ON THE ORIGINAL DATA:

Laboratory response to Region 6 request:

A. TCLP VOA:

1. The laboratory corrected instrument ID on the raw data and reporting forms for the continuing calibrations in question. Please use the resubmitted data for these continuing calibrations.

2. Please use the revised and resubmitted reporting forms for the LCS analyses containing the %recovery information about methyl ethyl ketone (2-butanone).

SBA Resubmittal

RCRA

LAB NAME : INCHCAPE TESTING SERVICES
MATRIX : WATER
DILUTION FACTOR: 1

GROUP NO. : 9502320
LAB SAMPLE ID: 950403V2-LCS
LAB FILE ID : H2144
DATE ANALYZED: 04/03/95 08:35

PARAMETER	AMOUNT SPIKED (ug/L)	CONCENTRATION (ug/L)	RECOVERY %
Benzene	50	51.3	103
Bromoform	50	53.2	106
Carbon tetrachloride	50	44.6	89
Chlorobenzene	50	50.0	100
Chlorodibromomethane	50	51.6	103
Chloroethane	50	51.8	104
2-Chloroethylvinyl ether	50	51.9	104
Chloroform	50	50.0	100
1,2-Dichlorobenzene	50	51.0	102
1,4-Dichlorobenzene	50	51.4	103
1,3-Dichlorobenzene	50	49.6	99
Dichlorobromomethane	50	51.6	103
1,1-Dichloroethane	50	50.4	101
1,2-Dichloroethane	50	51.6	103
1,1-Dichloroethene	50	51.0	102
trans-1,2-Dichloroethene	50	50.0	100
1,2-Dichloropropane	50	51.2	102
cis-1,3-Dichloropropene	50	51.7	103
trans-1,3-Dichloropropene	50	50.9	102
Ethylbenzene	50	50.0	100
Methyl bromide	50	51.2	102
Methyl chloride	50	52.2	104
Methylene chloride	50	51.6	103
1,1,2,2-Tetrachloroethane	50	54.1	108
Tetrachloroethene	50	49.6	99
Toluene	50	50.2	100
1,1,1-Trichloroethane	50	50.1	100
1,1,2-Trichloroethane	50	52.9	106
Trichloroethene	50	51.1	102
Trichlorofluoromethane	50	49.4	99
Vinyl chloride	50	50.3	101
Total Xylene	100	100	100
Methyl ethyl ketone	250	271	108

SURROGATE RECOVERY

1,2-Dichloroethane-d4:	94
Toluene:	101
4-Bromofluorobenzene:	100

ppe

LAB NAME : INCHCAPE TESTING SERVICES
MATRIX : WATER
DILUTION FACTOR: 1

GROUP NO. : 9502320
LAB SAMPLE ID: 0405V2LCS01
LAB FILE ID : H2205
DATE ANALYZED: 04/05/95 17:50

PARAMETER	AMOUNT SPIKED (ug/L)	CONCENTRATION (ug/L)	RECOVERY %
Benzene	50	54.2	108
Bromoform	50	51.2	102
Carbon tetrachloride	50	55.8	112
Chlorobenzene	50	54.8	110
Chlorodibromomethane	50	52.5	105
Chloroethane	50	58.7	117
2-Chloroethylvinyl ether	50	52.3	105
Chloroform	50	54.0	108
1,2-Dichlorobenzene	50	53.4	107
1,4-Dichlorobenzene	50	55.7	111
1,3-Dichlorobenzene	50	53.6	107
Dichlorobromomethane	50	52.9	106
1,1-Dichloroethane	50	55.1	110
1,2-Dichloroethane	50	52.4	105
1,1-Dichloroethene	50	55.5	111
trans-1,2-Dichloroethene	50	54.9	110
1,2-Dichloropropane	50	53.7	107
cis-1,3-Dichloropropene	50	53.4	107
trans-1,3-Dichloropropene	50	53.0	106
Ethylbenzene	50	54.4	109
Methyl bromide	50	53.5	107
Methyl chloride	50	55.2	110
Methylene chloride	50	55.0	110
1,1,2,2-Tetrachloroethane	50	50.3	101
Tetrachloroethene	50	54.1	108
Toluene	50	53.8	108
1,1,1-Trichloroethane	50	60.0	120
1,1,2-Trichloroethane	50	51.8	104
Trichloroethene	50	51.9	104
Trichlorofluoromethane	50	56.0	112
Vinyl chloride	50	56.2	112
Total Xylene	100	107	107
Methyl ethyl ketone	250	249	100

SURROGATE RECOVERY

1,2-Dichloroethane-d4:	90
Toluene:	101
4-Bromofluorobenzene:	111

ppe

Data File: /wplcsdisk3/msv2.i/v040395.b/h2142.d
Report Date: 11-Apr-1995 21:09

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: ~~msv2~~ voa2.i SAB 04/14/95
Lab File ID: h2142.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 03-APR-1995 06:47
Init. Calibration Date(s): 12/20/94 03/23/95
Init. Calibration Times: 13:31 19:51
Method File: /wplcsdisk3/msv2.i/v040395.b/voa2.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 CHLOROMETHANE **	0.992	0.890	0.010	10.3	25.0
	2 VINYL CHLORIDE *	1.073	0.988	0.100	7.9	25.0
	3 Bromomethane	1.192	1.091	0.100	8.5	25.0
	4 Chloroethane	0.613	0.551	0.010	10.1	25.0
	5 Trichlorofluoromethane	2.233	2.512	0.010	12.5	25.0
	6 1,1-DICHLORETHENE *	1.351	1.282	0.100	5.1	25.0
	7 Acrolein	0.153	0.011	0.010	93.1	25.0
	8 Carbon Disulfide	4.033	3.906	0.010	3.1	25.0
	9 Acetone	0.311	0.305	0.010	1.7	25.0
	10 Vinyl Acetate	0.820	0.685	0.010	16.5	25.0
	11 Methylene Chloride	2.819	2.281	0.010	19.1	25.0
	12 trans-1,2-Dichloroethene	2.656	2.349	0.010	11.5	25.0
	13 Acrylonitrile	0.367	0.307	0.010	16.2	25.0
	14 1,1-DICHLORETHANE **	2.938	2.662	0.200	9.4	25.0
	15 cis-1,2-Dichloroethene	2.426	2.120	0.010	12.6	25.0
	16 2-Butanone	0.531	0.446	0.010	15.8	25.0
	18 CHLOROFORM *	2.790	2.476	0.200	11.3	25.0
	19 1,1,1-Trichloroethane	0.546	0.428	0.100	21.6	25.0
	20 Carbon Tetrachloride	0.501	0.454	0.100	9.3	25.0
$	21 1,2-Dichloroethane-d4	0.258	0.234	0.010	9.2	25.0
	22 Benzene	0.719	0.760	0.500	5.6	25.0
	23 1,2-Dichloroethane	0.293	0.273	0.100	6.6	25.0
	25 Trichloroethene	0.334	0.342	0.300	2.3	25.0
	26 1,2-DICHLORPROPANE *	0.368	0.327	0.010	11.1	25.0
	27 Bromodichloromethane	0.625	0.551	0.200	11.9	25.0
	28 2-Chloroethyl vinyl ether	0.044	0.046	0.010	4.7	25.0
	29 cis-1,3-Dichloropropene	0.468	0.449	0.200	4.1	25.0
	30 4-Methyl-2-Pentanone	0.366	0.304	0.010	17.0	25.0
$	31 Toluene-d8	1.057	0.996	0.010	5.8	25.0
	32 TOLUENE *	1.110	1.126	0.400	1.4	25.0
	33 trans-1,3-Dichloropropene	0.431	0.427	0.100	0.9	25.0
	34 1,1,2-Trichloroethane	0.301	0.302	0.100	0.3	25.0
	35 Tetrachloroethene	0.359	0.382	0.200	6.3	25.0
	36 2-Hexanone	0.225	0.202	0.010	10.2	25.0
	37 Dibromochloromethane	0.543	0.549	0.100	1.1	25.0
	38 1,2-Dibromoethane(EDB)	0.487	0.490	0.010	0.6	25.0
	40 CHLOROBENZENE **	0.854	0.885	0.500	3.7	25.0
	41 ETHYLBENZENE *	0.422	0.428	0.100	1.5	25.0
	42 p,m-Xylene	0.550	0.568	0.300	3.3	25.0
	43 o-Xylene	0.583	0.561	0.010	3.8	25.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

nstrument ID: ~~msv2~~ voa2.i SAB 04/14/95
ab File ID: h2142.d
nalysis Type: WATER
ab Sample ID:
uant Type: ISTD

Injection Date: 03-APR-1995 06:47
Init. Calibration Date(s): 12/20/94 03/23/95
Init. Calibration Times: 13:31 19:51
Method File: /wplcsdisk3/msv2.i/v040395.b/voa2.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	44 Styrene	0.953	0.966	0.300	1.3	25.0
	45 BROMOFORM **	0.412	0.399	0.100	3.1	25.0
$	46 Bromofluorobenzene	0.825	0.762	0.200	7.6	25.0
	47 1,1,2,2-TETRACHLOROETHANE **	0.541	0.470	0.500	13.2	25.0
	48 1,3-Dichlorobenzene	0.815	0.826	0.010	1.4	25.0
	49 1,4-Dichlorobenzene	0.879	0.889	0.010	1.2	25.0
	50 1,2-Dichlorobenzene	0.785	0.778	0.010	0.8	25.0
	51 1,2-Dibromo-3-Chloropropane	0.128	0.112	0.010	12.8	25.0

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2142.d
Lab Smp Id:
Inj Date : 03-APR-1995 06:47
Operator :
Inst ID: ~~msv2~~ voa2.i
Smp Info : 950403V2-STD 50
Misc Info : CALIB. CAL/ARR/STD50 WATER
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 11-Apr-1995 21:18 arr
Cal Date : 03-APR-1995 06:47
Als bottle: 2
Dil Factor: 1.000
Integrator: HP RTE
Target Version: 3.10

SAB 04/14/95

Quant Type: ISTD
Cal File: h2142.d
Continuing Calibration Sample

Compound Sublist: all.sub

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	ON-COL (UG/L)
1	CHLOROMETHANE **	50.00	3.006	3.006	(0.375)	68531	50.00	44.86
2	VINYL CHLORIDE *	62.00	3.203	3.203	(0.400)	76033	50.00	46.05
3	Bromomethane	94.00	3.761	3.761	(0.470)	83965	50.00	45.77
4	Chloroethane	64.00	3.899	3.899	(0.487)	42405	50.00	44.95(M)
5	Trichlorofluoromethane	101.00	4.378	4.378	(0.547)	193359	50.00	56.25
6	1,1-DICHLORETHENE *	96.00	5.304	5.304	(0.662)	98646	50.00	47.43
7	Acrolein	56.00	5.225	5.225	(0.652)	4090	250.0	17.31(M)
8	Carbon Disulfide	76.00	5.626	5.626	(0.702)	300665	50.00	48.43
9	Acetone	43.00	5.501	5.501	(0.687)	23503	50.00	49.15
10	Vinyl Acetate	43.00	5.980	5.980	(0.747)	52696	50.00	41.73(Q)
11	Methylene Chloride	49.00	6.092	6.092	(0.761)	175556	50.00	40.46
12	trans-1,2-Dichloroethene	61.00	6.460	6.460	(0.806)	180841	50.00	44.23
13	Acrylonitrile	53.00	6.486	6.486	(0.810)	118325	250.0	209.5
14	1,1-DICHLORETHANE **	63.00	7.024	7.024	(0.877)	204926	50.00	45.30
15	cis-1,2-Dichloroethene	61.00	7.727	7.727	(0.965)	163184	50.00	43.70
16	2-Butanone	43.00	7.780	7.780	(0.971)	171824	250.0	210.4
* 17	Bromochloromethane	128.00	8.009	8.009	(1.000)	76973	50.00	
18	CHLOROFORM *	83.00	8.101	8.101	(1.011)	190589	50.00	44.37
19	1,1,1-Trichloroethane	97.00	8.292	8.292	(0.910)	179965	50.00	39.19
20	Carbon Tetrachloride	117.00	8.469	8.469	(0.929)	191077	50.00	45.34
$ 21	1,2-Dichloroethane-d4	65.00	8.653	8.653	(0.950)	98531	50.00	45.38
22	Benzene	78.00	8.705	8.705	(0.955)	319551	50.00	52.79
23	1,2-Dichloroethane	62.00	8.738	8.738	(0.959)	115021	50.00	46.68
* 24	1,4-Difluorobenzene	114.00	9.113	9.113	(1.000)	420730	50.00	
25	Trichloroethene	130.00	9.395	9.395	(1.031)	143767	50.00	51.15
26	1,2-DICHLORPROPANE *	63.00	9.645	9.645	(1.058)	137710	50.00	44.46
27	Bromodichloromethane	83.00	9.933	9.933	(1.090)	231760	50.00	44.06
28	2-Chloroethyl vinyl ether	65.00	10.203	10.203	(1.120)	19441	50.00	52.33
29	cis-1,3-Dichloropropene	75.00	10.373	10.373	(1.138)	188950	50.00	47.97(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	30 4-Methyl-2-Pentanone	43.00	10.524	10.524	(0.869)	106653	50.00	41.51
$	31 Toluene-d8	98.00	10.643	10.643	(0.879)	349050	50.00	47.11
	32 TOLUENE *	91.00	10.708	10.708	(0.884)	394640	50.00	50.70
	33 trans-1,3-Dichloropropene	75.00	10.932	10.932	(0.903)	149618	50.00	49.56
	34 1,1,2-Trichloroethane	97.00	11.129	11.129	(0.919)	105882	50.00	50.13
	35 Tetrachloroethene	164.00	11.266	11.266	(0.931)	133740	50.00	53.15
	36 2-Hexanone	43.00	11.352	11.352	(0.938)	70726	50.00	44.88
	37 Dibromochloromethane	129.00	11.542	11.542	(0.953)	192439	50.00	50.52
	38 1,2-Dibromoethane(EDB)	107.00	11.667	11.667	(0.964)	171675	50.00	50.29
*	39 Chlorobenzene-d5	117.00	12.107	12.107	(1.000)	350520	50.00	
	40 CHLOROBENZENE **	112.00	12.140	12.140	(1.003)	310351	50.00	51.86
	41 ETHYLBENZENE *	106.00	12.219	12.219	(1.009)	150013	50.00	50.73
	42 p,m-Xylene	106.00	12.337	12.337	(1.019)	198990	50.00	51.64
	43 o-Xylene	106.00	12.737	12.737	(1.052)	196713	50.00	48.10
	44 Styrene	104.00	12.751	12.751	(1.053)	338530	50.00	50.64
	45 BROMOFORM **	173.00	12.987	12.987	(1.073)	139804	50.00	48.45
$	46 Bromofluorobenzene	95.00	13.276	13.276	(1.097)	267067	50.00	46.19
	47 1,1,2,2-TETRACHLORETHANE **	83.00	13.407	13.407	(1.107)	164748	50.00	43.42
	48 1,3-Dichlorobenzene	146.00	14.392	14.392	(1.189)	289538	50.00	50.70
	49 1,4-Dichlorobenzene	146.00	14.478	14.478	(1.196)	311608	50.00	50.58
	50 1,2-Dichlorobenzene	146.00	14.872	14.872	(1.228)	272739	50.00	49.59
	51 1,2-Dibromo-3-Chloropropane	157.00	15.666	15.666	(1.294)	39161	50.00	43.62

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2142.d

Date : 03-APR-1995 06:47

Lab Sample ID:

Instrument: VOA2.i

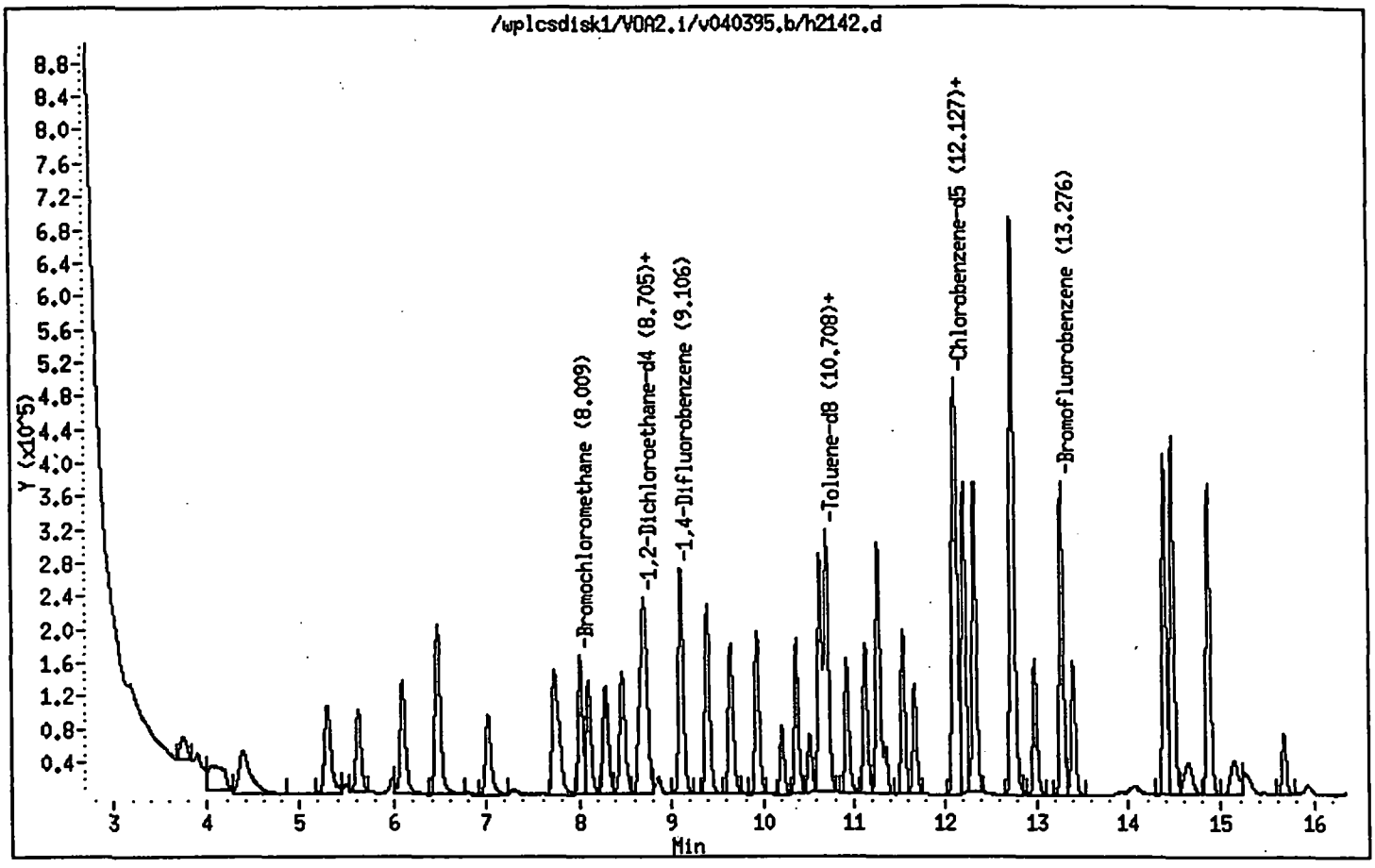
Sample Info: 950403V2-STD 50

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Data File: /wplcsdisk3/msv2.i/v040595.b/h2200.d

Date : 05-APR-95 15:21

Lab Sample ID:

Sample Info: 0405V2BFB

Instrument: VOA2 ~~msv2.i~~

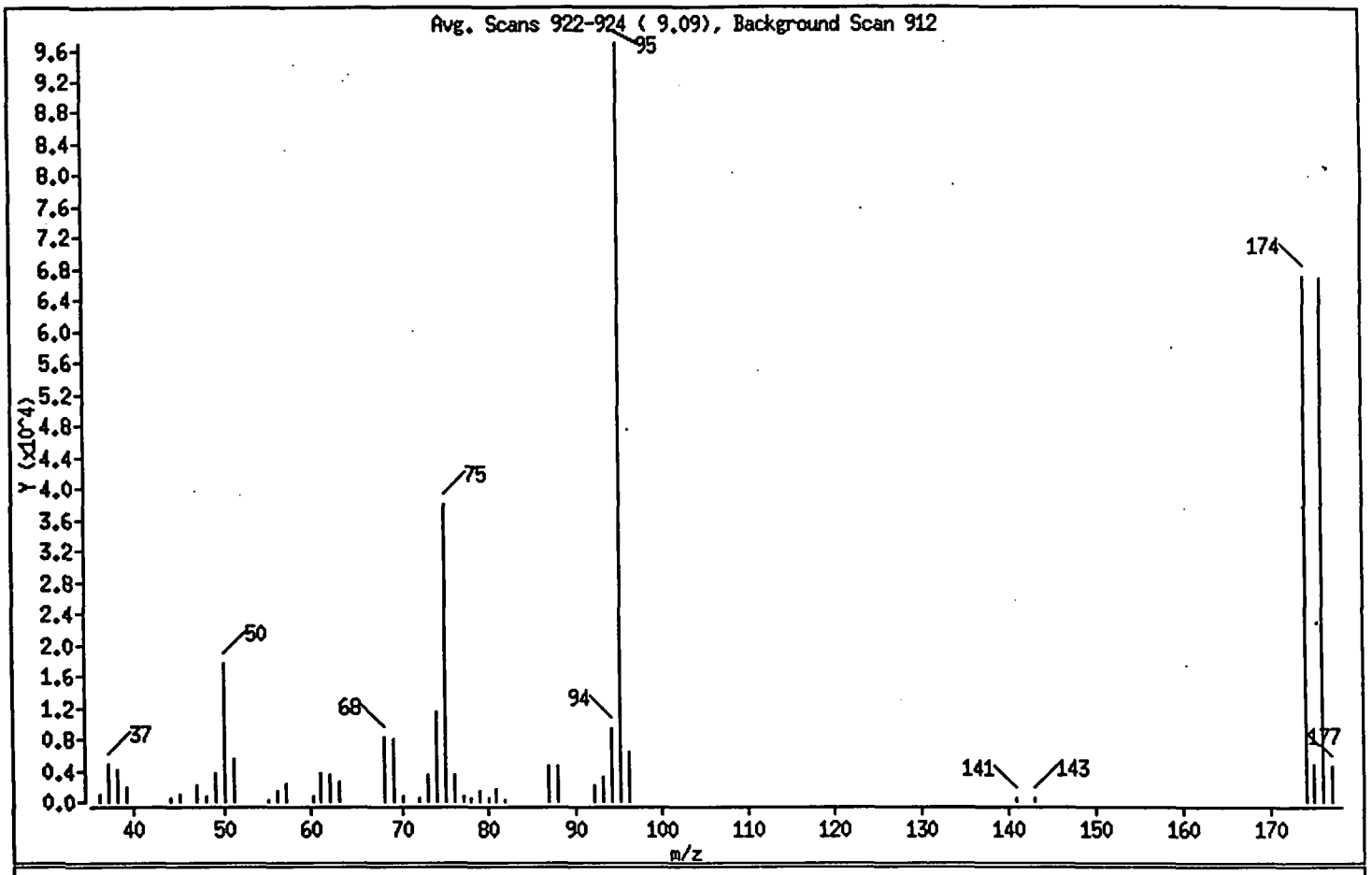
SAB 4/14/95

Operator:

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	18.16
75	30.00 - 66.00% of mass 95	39.26
96	5.00 - 9.00% of mass 95	6.68
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	69.38
175	4.00 - 9.00% of mass 174	4.91 (7.08)
176	93.00 - 101.00% of mass 174	69.15 (99.66)
177	5.00 - 9.00% of mass 176	4.73 (6.84)

Data File: /wplcsdisk3/msv2.i/v040595.b/h2200.d

Date : 05-APR-95 15:21

Lab Sample ID:

Sample Info: 0405V2BFB

Instrument: ~~msv2.i~~ V0A2
SAB 04/14/95

Operator:

Column phase:

Column diameter: 2.00

Data File: h2200.d
Spectrum : Avg. Scans 922-924 (9.09), Background Scan 912
Largest m/z: 95.05
Number of peaks: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.95	1000	56.00	1265	75.00	38000	94.05	9401
37.05	4906	57.00	2302	76.00	3424	95.05	96808
38.05	4233	60.05	781	77.00	640	96.05	6470
39.05	1733	61.05	3597	78.00	465	140.90	517
44.00	365	62.05	3435	78.90	1379	142.90	491
45.00	896	63.05	2406	79.90	445	173.90	67168
47.00	1960	67.95	8230	80.90	1500	174.90	4758
47.90	625	69.05	7978	81.90	143	175.90	66936
49.00	3551	70.05	632	86.90	4475	176.90	4580
50.00	17576	71.95	460	87.90	4686		
51.00	5428	73.05	3336	91.95	2053		
55.00	297	73.95	11359	93.05	3092		

Data File: /wplcsdisk3/msv2.i/v040595.b/h2200.d

Date : 05-APR-95 15:21

Lab Sample ID:

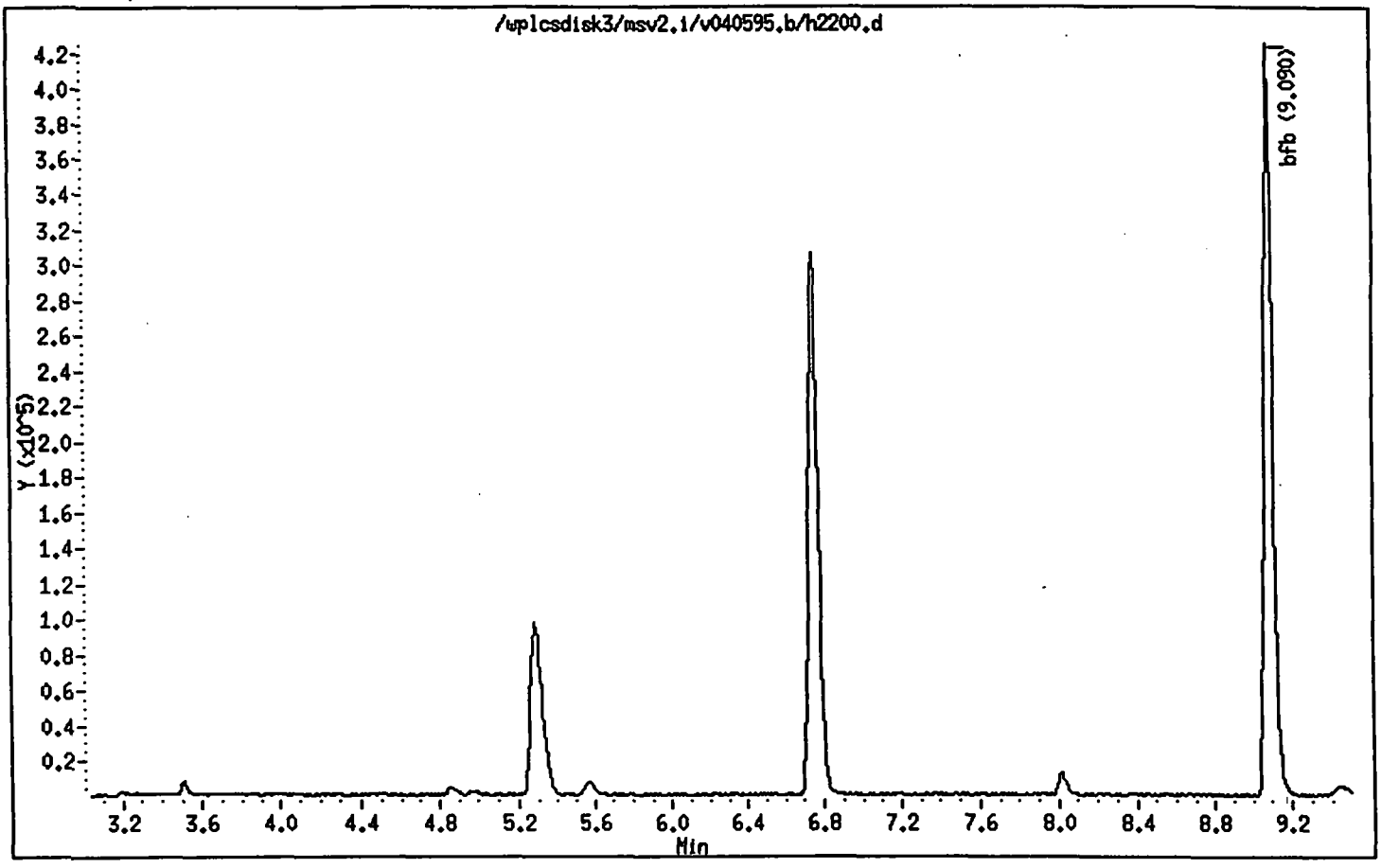
Sample Info: 0405V2BFB

Instrument: VOA2 msv2.i SAB 04/14/95

Operator:

Column phase:

Column diameter: 2.00



Data File: /wplcsdisk3/msv2.i/v040595.b/h2203.d
Report Date: 11-Apr-1995 21:36

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: ~~msv2~~.i (VOA2) SAB 06/14/95
Lab File ID: h2203.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 05-APR-1995 16:39
Init. Calibration Date(s): 12/20/94 03/23/95
Init. Calibration Times: 13:31 19:51
Method File: /wplcsdisk3/msv2.i/v040595.b/voa2.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 CHLOROMETHANE **	0.992	0.909	0.010	8.4	25.0
	2 VINYL CHLORIDE *	1.073	0.973	0.100	9.3	25.0
	3 Bromomethane	1.192	1.166	0.100	2.1	25.0
	4 Chloroethane	0.613	0.543	0.010	11.4	25.0
	5 Trichlorofluoromethane	2.233	2.390	0.010	7.0	25.0
	6 1,1-DICHLORETHENE *	1.351	1.332	0.100	1.4	25.0
	7 Acrolein	0.153	0.084	0.010	45.2	25.0
	8 Carbon Disulfide	4.033	3.886	0.010	3.6	25.0
	9 Acetone	0.311	0.335	0.010	7.7	25.0
	10 Vinyl Acetate	0.820	0.838	0.010	2.2	25.0
	11 Methylene Chloride	2.819	2.282	0.010	19.0	25.0
	12 trans-1,2-Dichloroethene	2.656	2.417	0.010	9.0	25.0
	13 Acrylonitrile	0.367	0.347	0.010	5.5	25.0
	14 1,1-DICHLORETHANE **	2.938	2.779	0.200	5.4	25.0
	15 cis-1,2-Dichloroethene	2.426	2.126	0.010	12.4	25.0
	16 2-Butanone	0.531	0.525	0.010	1.0	25.0
	18 CHLOROFORM *	2.790	2.606	0.200	6.6	25.0
	19 1,1,1-Trichloroethane	0.546	0.432	0.100	20.9	25.0
	20 Carbon Tetrachloride	0.501	0.469	0.100	6.3	25.0
$	21 1,2-Dichloroethane-d4	0.258	0.242	0.010	6.3	25.0
	22 Benzene	0.719	0.806	0.500	12.0	25.0
	23 1,2-Dichloroethane	0.293	0.300	0.100	2.6	25.0
	25 Trichloroethene	0.334	0.380	0.300	13.8	25.0
	26 1,2-DICHLORPROPANE *	0.368	0.368	0.010	0.1	25.0
	27 Bromodichloromethane	0.625	0.614	0.200	1.7	25.0
	28 2-Chloroethyl vinyl ether	0.044	0.056	0.010	26.2	25.0
	29 cis-1,3-Dichloropropene	0.468	0.508	0.200	8.6	25.0
	30 4-Methyl-2-Pentanone	0.366	0.368	0.010	0.3	25.0
$	31 Toluene-d8	1.057	0.998	0.010	5.5	25.0
	32 TOLUENE *	1.110	1.217	0.400	9.6	25.0
	33 trans-1,3-Dichloropropene	0.431	0.487	0.100	13.0	25.0
	34 1,1,2-Trichloroethane	0.301	0.358	0.100	18.7	25.0
	35 Tetrachloroethene	0.359	0.418	0.200	16.5	25.0
	36 2-Hexanone	0.225	0.243	0.010	8.2	25.0
	37 Dibromochloromethane	0.543	0.634	0.100	16.7	25.0
	38 1,2-Dibromoethane(EDB)	0.487	0.550	0.010	13.0	25.0
	40 CHLOROBENZENE **	0.854	0.964	0.500	12.9	25.0
	41 ETHYLBENZENE *	0.422	0.460	0.100	9.1	25.0
	42 p,m-Xylene	0.550	0.607	0.300	10.4	25.0
	43 o-Xylene	0.583	0.602	0.010	3.1	25.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: ~~msv2~~ VOA2.i
Lab File ID: h2203.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

SAB 04/14/95

Injection Date: 05-APR-1995 16:39
Init. Calibration Date(s): 12/20/94 03/23/95
Init. Calibration Times: 13:31 19:51
Method File: /wplcsdisk3/msv2.i/v040595.b/voa2.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	44 Styrene	0.953	1.046	0.300	9.7	25.0
	45 BROMOFORM **	0.412	0.474	0.100	15.3	25.0
$	46 Bromofluorobenzene	0.825	0.747	0.200	9.4	25.0
	47 1,1,2,2-TETRACHLORETHANE **	0.541	0.570	0.500	5.3	25.0
	48 1,3-Dichlorobenzene	0.815	0.864	0.010	6.1	25.0
	49 1,4-Dichlorobenzene	0.879	0.916	0.010	4.2	25.0
	50 1,2-Dichlorobenzene	0.785	0.818	0.010	4.2	25.0
	51 1,2-Dibromo-3-Chloropropane	0.128	0.134	0.010	5.0	25.0

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040595.b/h2203.d
Lab Smp Id:
Inj Date : 05-APR-1995 16:39
Operator :
Inst ID: VOA2 ~~msv2~~ .i
Smp Info : 0405V2STD050
Misc Info : CON CAL/DMM
Comment :
Method : /wplcsdisk3/msv2.i/v040595.b/voa2.m
Meth Date : 11-Apr-1995 21:31 arr
Quant Type: ISTD
Cal Date : 05-APR-1995 16:39
Cal File: h2203.d
Als bottle: 11
Continuing Calibration Sample
Dil Factor: 1.000
Integrator: HP RTE
Compound Sublist: all.sub
Target Version: 3.10

SAB 04/14/95

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	ON-COL (UG/L)
1	CHLOROMETHANE **	50.00	2.906	2.906	(0.369)	66471	50.00	45.82
2	VINYL CHLORIDE *	62.00	3.083	3.083	(0.391)	71079	50.00	45.34
3	Bromomethane	94.00	3.635	3.635	(0.461)	85238	50.00	48.94 (M)
4	Chloroethane	64.00	3.760	3.760	(0.477)	39663	50.00	44.28
5	Trichlorofluoromethane	101.00	4.232	4.232	(0.537)	174683	50.00	53.52
6	1,1-DICHLORETHENE *	96.00	5.152	5.152	(0.653)	97323	50.00	49.28
7	Acrolein	56.00	5.060	5.060	(0.642)	30742	250.0	137.0 (M)
8	Carbon Disulfide	76.00	5.474	5.474	(0.694)	284028	50.00	48.18
9	Acetone	43.00	5.355	5.355	(0.679)	24459	50.00	53.87
10	Vinyl Acetate	43.00	5.841	5.841	(0.741)	61261	50.00	51.09 (Q)
11	Methylene Chloride	49.00	5.946	5.946	(0.754)	166779	50.00	40.48
12	trans-1,2-Dichloroethene	61.00	6.314	6.314	(0.801)	176616	50.00	45.49
13	Acrylonitrile	53.00	6.347	6.347	(0.805)	126739	250.0	236.3
14	1,1-DICHLORETHANE **	63.00	6.885	6.885	(0.873)	203123	50.00	47.29
15	cis-1,2-Dichloroethene	61.00	7.595	7.595	(0.963)	155359	50.00	43.82
16	2-Butanone	43.00	7.654	7.654	(0.971)	191924	250.0	247.5
* 17	Bromochloromethane	128.00	7.883	7.883	(1.000)	73087	50.00	
18	CHLOROFORM *	83.00	7.969	7.969	(1.011)	190453	50.00	46.70
19	1,1,1-Trichloroethane	97.00	8.159	8.159	(0.908)	171267	50.00	39.56
20	Carbon Tetrachloride	117.00	8.343	8.343	(0.928)	186156	50.00	46.85
$ 21	1,2-Dichloroethane-d4	65.00	8.527	8.527	(0.949)	95885	50.00	46.84
22	Benzene	78.00	8.580	8.580	(0.955)	319622	50.00	56.00
23	1,2-Dichloroethane	62.00	8.612	8.612	(0.958)	119154	50.00	51.30
* 24	1,4-Difluorobenzene	114.00	8.987	8.987	(1.000)	396661	50.00	
25	Trichloroethene	130.00	9.269	9.269	(1.031)	150815	50.00	56.91
26	1,2-DICHLORPROPANE *	63.00	9.525	9.525	(1.060)	145797	50.00	49.93
27	Bromodichloromethane	83.00	9.814	9.814	(1.092)	243682	50.00	49.13
28	2-Chloroethyl vinyl ether	65.00	10.096	10.096	(1.123)	22107	50.00	63.11
29	cis-1,3-Dichloropropene	75.00	10.261	10.261	(1.142)	201545	50.00	54.28 (M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	30 4-Methyl-2-Pentanone	43.00	10.412	10.412	(0.868)	121967	50.00	50.15
$	31 Toluene-d8	98.00	10.523	10.523	(0.877)	331276	50.00	47.23
	32 TOLUENE *	91.00	10.596	10.596	(0.883)	403835	50.00	54.81
	33 trans-1,3-Dichloropropene	75.00	10.812	10.812	(0.901)	161450	50.00	56.49
	34 1,1,2-Trichloroethane	97.00	11.009	11.009	(0.917)	118672	50.00	59.34
	35 Tetrachloroethene	164.00	11.154	11.154	(0.929)	138703	50.00	58.23
	36 2-Hexanone	43.00	11.239	11.239	(0.937)	80736	50.00	54.12
	37 Dibromochloromethane	129.00	11.423	11.423	(0.952)	210432	50.00	58.36
	38 1,2-Dibromoethane(EDB)	107.00	11.554	11.554	(0.963)	182657	50.00	56.52
*	39 Chlorobenzene-d5	117.00	12.001	12.001	(1.000)	331828	50.00	
	40 CHLOROBENZENE **	112.00	12.027	12.027	(1.002)	319747	50.00	56.45
	41 ETHYLBENZENE *	106.00	12.106	12.106	(1.009)	152717	50.00	54.55
	42 p,m-Xylene	106.00	12.224	12.224	(1.019)	201307	50.00	55.19
	43 o-Xylene	106.00	12.631	12.631	(1.053)	199658	50.00	51.57
	44 Styrene	104.00	12.644	12.644	(1.054)	347063	50.00	54.85
	45 BROMOFORM **	173.00	12.874	12.874	(1.073)	157400	50.00	57.63
$	46 Bromofluorobenzene	95.00	13.170	13.170	(1.097)	247978	50.00	45.31
	47 1,1,2,2-TETRACHLORETHANE **	83.00	13.294	13.294	(1.108)	189051	50.00	52.63
	48 1,3-Dichlorobenzene	146.00	14.286	14.286	(1.190)	286702	50.00	53.03
	49 1,4-Dichlorobenzene	146.00	14.371	14.371	(1.198)	303943	50.00	52.11
	50 1,2-Dichlorobenzene	146.00	14.759	14.759	(1.230)	271337	50.00	52.11
	51 1,2-Dibromo-3-Chloropropane	157.00	15.553	15.553	(1.296)	44616	50.00	52.49

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: /wplcsdisk3/msv2.i/v040595.b/h2203.d

Date : 05-APR-95 16:39

Lab Sample ID:

Sample Info: 0405V2STD050

Purge Volume: 5.0

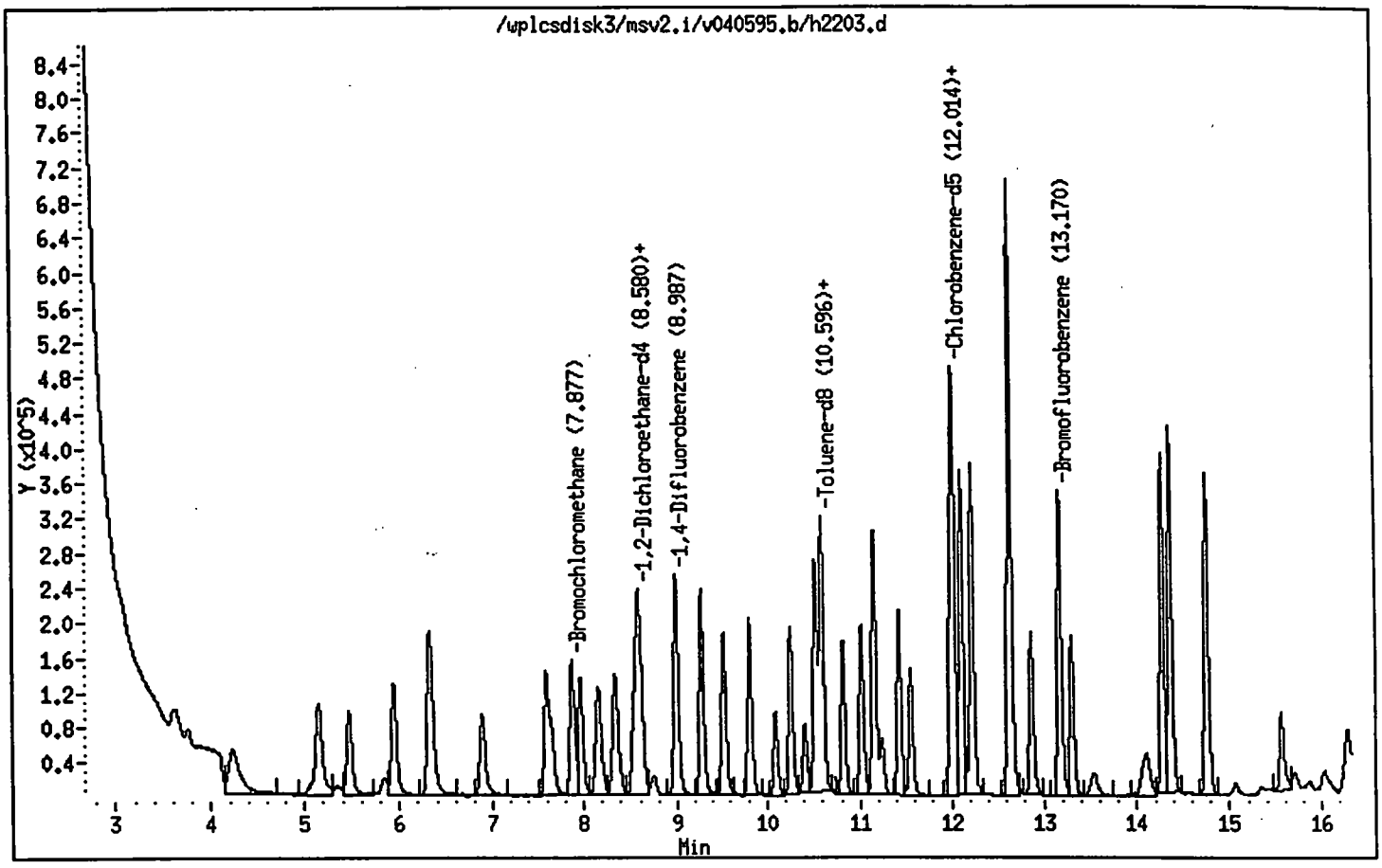
Column phase: DB-624

Instrument: VOA2 ~~msv2.i~~

SAB 06/14/95

Operator:

Column diameter: 0.53



DATE:
TO: Becky Weber, 6E-HO **FROM:** Greg Pashia, 6H-CS

REGION 6
RCRA
DATA VALIDATION
REQUEST FORM

PART A:

FACILITY NAME: SBA Shipyards, Jennings, LA

FACILITY I.D.#: LAD008434185_

DATE SAMPLES COLLECTED: March 22, 1995

SAMPLES COLLECTED BY: PRC Contractor

CONTRACTOR SAMPLES ANALYZED BY: Inchcape Testing Services, Baton Rouge, LA_

DATE VALIDATION BY HOUSTON LAB REQUESTED BY: Development of case pending on validation. Houston Lab validation needed ASAP.

PART B:

		COMPLETED SDG INVENTORY SHEET ENCLOSED
NUMBER OF INORGANIC SAMPLES:	~~TCLP~~	(~~3~~)
NUMBER OF ORGANIC SAMPLES:	TCLP	10 (~~8~~)

PART C:

DESCRIPTION OF ANALYTICAL METHODS REQUIRED BY EPA FOR THE LAB TO ANALYZE THE SAMPLES

Analytical Method 1311 was used for all samples. Samples were analized for TCLP VOA, ABN, and Metals.

PART D:

NAME: GREG PASHIA	6H-CS	214-665-2287
WORK ASSIGNMENT MANAGER	SECTION	PHONE NUMBER

cc:_____

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230025
CLIENT ID : SBA2-04
SAMPLE DATE: 03/22/95
SAMPLE TIME: 11:10

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 12:51
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	1.01*	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

000028

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2149.d
Lab Smp Id:
Inj Date : 03-APR-95 12:51
Operator : Inst ID: msv2.i
Smp Info : 950323- 25 P R C
Misc Info : PRC/gr#9502320/TCLP/10DL/ARR/950323-25
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 13-Apr-1995 14:45 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 5
Dil Factor: 10.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
8	Carbon Disulfide	76.00	5.487	5.626	(0.697)	40984	8.523	85.23(a)
10	Vinyl Acetate	43.00	5.875	5.980	(0.746)	499	0.5921	5.921(aQ)
11	Methylene Chloride	49.00	5.947	6.092	(0.755)	80030	28.50	285.0
* 17	Bromochloromethane	128.00	7.878	8.009	(1.000)	61554	50.00	
$ 21	1,2-Dichloroethane-d4	65.00	8.521	8.653	(0.950)	76115	51.00	51.00(a)
22	Benzene	78.00	8.567	8.705	(0.955)	490093	101.3	1013(Q)
* 24	1,4-Difluorobenzene	114.00	8.974	9.113	(1.000)	318604	50.00	
29	cis-1,3-Dichloropropene	75.00	10.570	10.373	(1.178)	2908	1.016	10.16(aQ)
30	4-Methyl-2-Pentanone	43.00	10.274	10.524	(0.858)	60918	36.40	364.0(Q)
$ 31	Toluene-d8	98.00	10.498	10.643	(0.877)	270565	49.40	49.40(a)
32	TOLUENE *	91.00	10.570	10.708	(0.883)	590454	95.35	953.5
* 39	Chlorobenzene-d5	117.00	11.969	12.107	(1.000)	275000	50.00	
40	CHLOROBENZENE **	112.00	12.001	12.140	(1.003)	3535	0.7259	7.259(aQ)
41	ETHYLBENZENE *	106.00	12.087	12.219	(1.010)	37028	15.73	157.3
42	p,m-Xylene	106.00	12.198	12.337	(1.019)	236348	75.70	757.0
43	o-Xylene	106.00	12.612	12.737	(1.054)	97966	31.74	317.4
44	Styrene	104.00	12.619	12.751	(1.054)	11773	2.216	22.16(aQ)
$ 46	Bromofluorobenzene	95.00	13.151	13.276	(1.099)	219912	52.48	52.48(a)

QC Flag Legend

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

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2149.d

Date : 03-APR-95 12:51

Lab Sample ID:

Instrument: VOA2.i

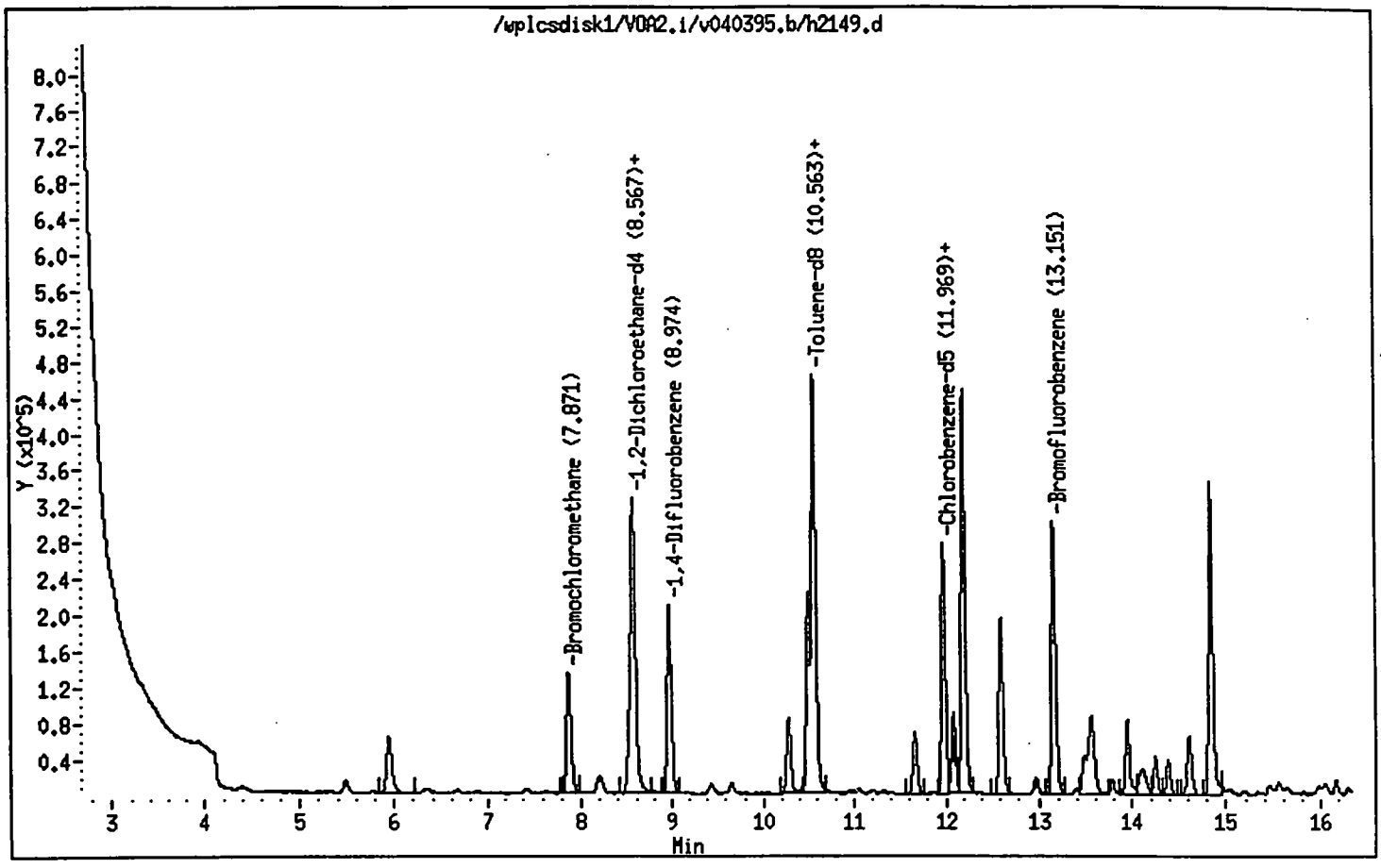
Sample Info: 950323- 25 P R C

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



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Date : 03-APR-95 12:51

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 950323- 25 P R C

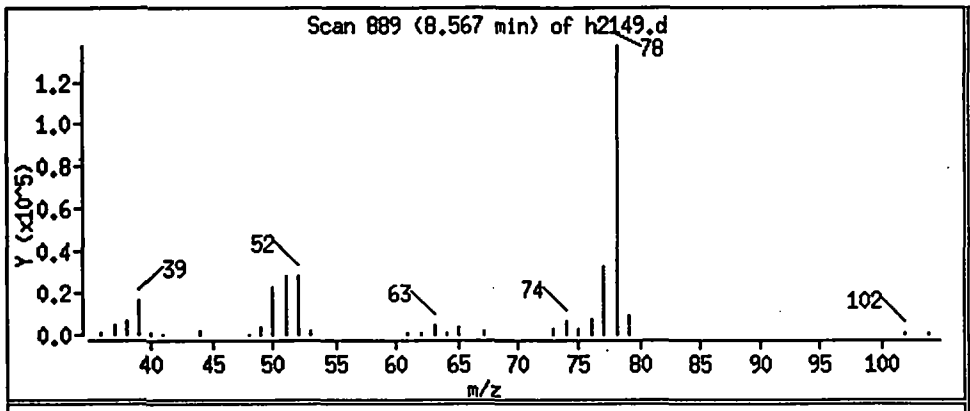
Purge Volume: 5.0

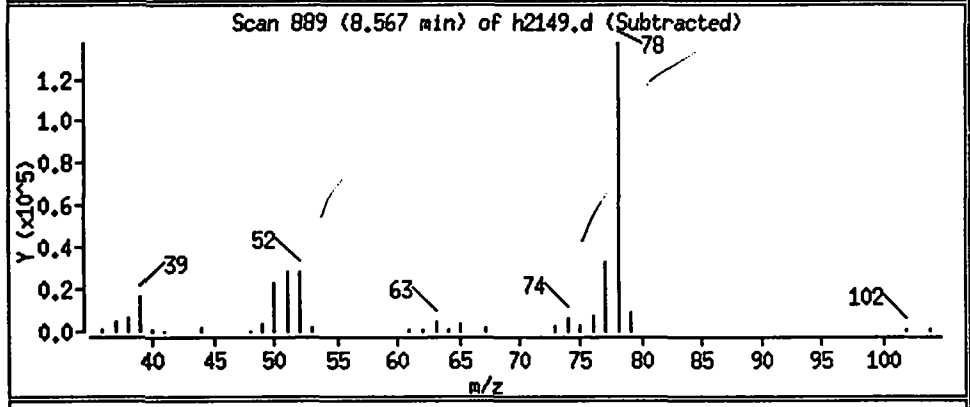
Operator:

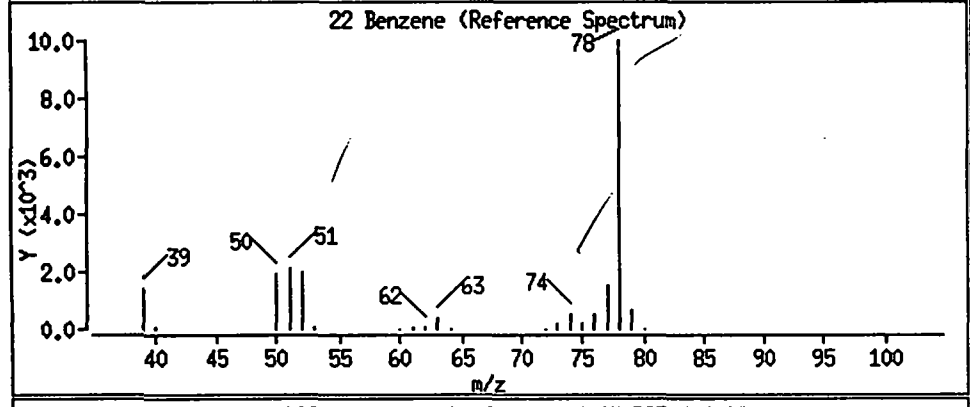
Column phase: DB-624

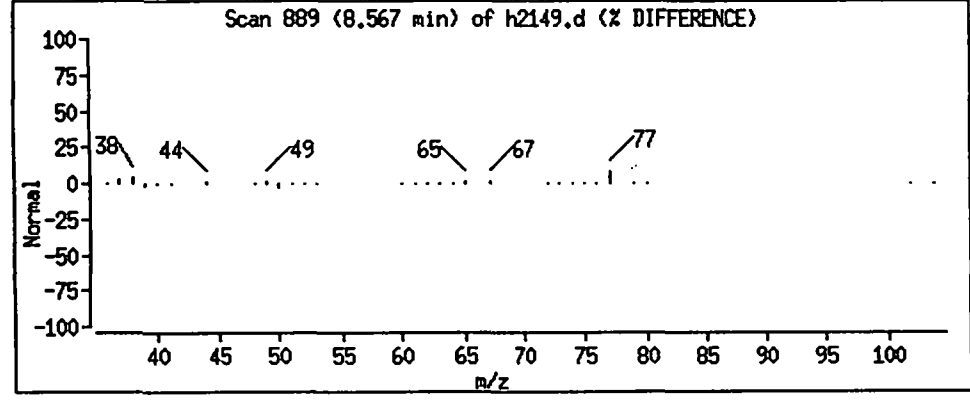
Column diameter: 0.53

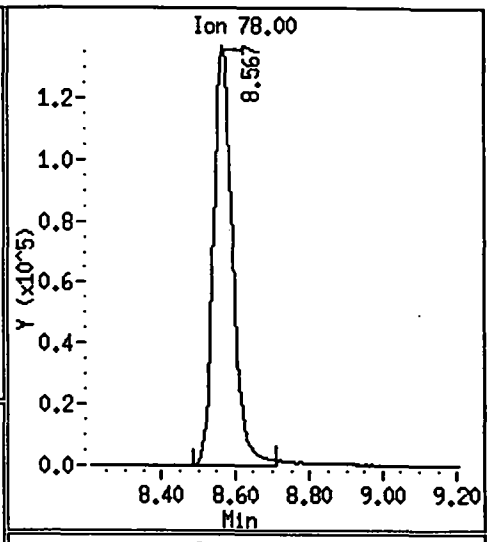
22 Benzene

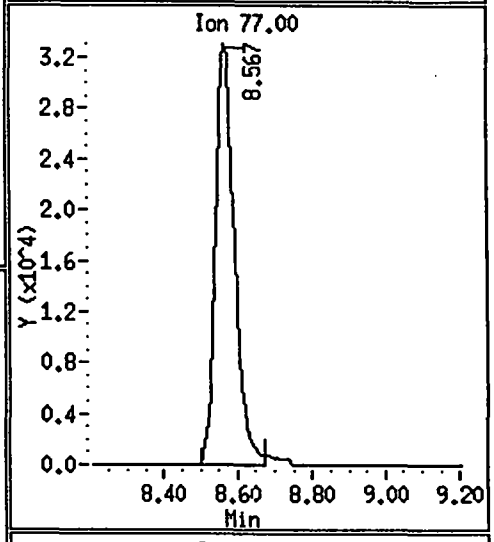


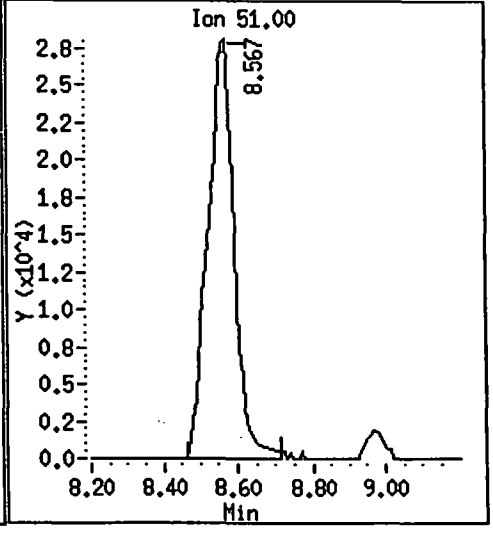












Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: VOA2.i
Lab File ID: h2149.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk1/VOA2.i/v040395.b/voa2.m
Misc Info: PRC/gr#9502320/TCLP/10DL/ARR/950323-25

Calibration Date: 04/03/95
Calibration Time: 0647

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	76973	38486	153946	61554	-20.03
24 1,4-Difluorobenzene	420730	210365	841460	318604	-24.27
39 Chlorobenzene-d5	350520	175260	701040	275000	-21.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	8.01	7.51	8.51	7.88	-1.65
24 1,4-Difluorobenzene	9.11	8.61	9.61	8.97	-1.52
39 Chlorobenzene-d5	12.11	11.61	12.61	11.97	-1.14

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.

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230028
CLIENT ID : SBA2-05
SAMPLE DATE: 03/22/95
SAMPLE TIME: 11:25

ANALYST: arr

ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 14:05

PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.915*	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	0.124	6.0	0.05	10	8240
1,2-Dichloroethane	0.833*	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	1.43*	0.7	0.05	10	8240
Trichloroethylene	0.400	0.5	0.05	10	8240
Vinyl chloride	2.22*	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2152.d
Lab Smp Id:
Inj Date : 03-APR-95 14:05
Operator : Inst ID: msv2.i
Smp Info : 950323- 28 P R C
Misc Info : PRC/gr#9502320/TCLP/10DL/ARR/950323-28
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 13-Apr-1995 14:45 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 8
Dil Factor: 10.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	2 VINYL CHLORIDE *	62.00	3.079	3.203	(0.392)	289608	222.1	2221 (Q)
	6 1,1-DICHLORETHENE *	96.00	5.161	5.304	(0.658)	1025	0.6058	6.058 (a)
	9 Acetone	43.00	5.325	5.501	(0.679)	25513	63.28	632.8
	10 Vinyl Acetate	43.00	5.850	5.980	(0.746)	342	0.3784	3.784 (aQ)
	11 Methylene Chloride	49.00	5.955	6.092	(0.759)	15749	5.230	52.30 (a)
	14 1,1-DICHLORETHANE **	63.00	6.868	7.024	(0.875)	58706	16.70	167.0
	15 cis-1,2-Dichloroethene	61.00	7.571	7.727	(0.965)	978276	349.5	3495
	16 2-Butanone	43.00	7.617	7.780	(0.971)	9279	15.74	157.4 (Q)
*	17 Bromochloromethane	128.00	7.847	8.009	(1.000)	66015	50.00	
	18 CHLOROFORM *	83.00	7.939	8.101	(1.012)	40633	12.43	124.3
	19 1,1,1-Trichloroethane	97.00	8.136	8.292	(0.910)	22331	7.432	74.32 (a)
	20 Carbon Tetrachloride	117.00	8.122	8.469	(0.908)	1337	0.4191	4.191 (aQ)
$	21 1,2-Dichloroethane-d4	65.00	8.490	8.653	(0.949)	66749	40.58	40.58 (a)
	22 Benzene	78.00	8.536	8.705	(0.954)	487973	91.47	914.7 (Q)
	23 1,2-Dichloroethane	62.00	8.569	8.738	(0.958)	159869	83.25	832.5
*	24 1,4-Difluorobenzene	114.00	8.943	9.113	(1.000)	351204	50.00	
	25 Trichloroethene	130.00	9.232	9.395	(1.032)	95880	39.95	399.5
	29 cis-1,3-Dichloropropene	75.00	10.565	10.373	(1.181)	2165	0.6863	6.863 (aQ)
	30 4-Methyl-2-Pentanone	43.00	10.381	10.524	(0.867)	132989	75.28	752.8
$	31 Toluene-d8	98.00	10.493	10.643	(0.877)	306675	53.04	53.04 (a)
	32 TOLUENE *	91.00	10.565	10.708	(0.883)	469686	71.85	718.5
	35 Tetrachloroethene	164.00	11.123	11.266	(0.929)	316228	142.7	1427
*	39 Chlorobenzene-d5	117.00	11.971	12.107	(1.000)	290303	50.00	
	41 ETHYLBENZENE *	106.00	12.082	12.219	(1.009)	14995	6.035	60.35 (a)
	42 p,m-Xylene	106.00	12.194	12.337	(1.019)	108869	33.03	330.3
	43 o-Xylene	106.00	12.601	12.737	(1.053)	46052	14.13	141.3
	44 Styrene	104.00	12.621	12.751	(1.054)	103924	18.53	185.3
$	46 Bromofluorobenzene	95.00	13.146	13.276	(1.098)	241621	54.62	54.62 (a)
	48 1,3-Dichlorobenzene	146.00	14.262	14.392	(1.191)	719	0.1499	1.499 (a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
49 1,4-Dichlorobenzene	146.00	14.748	14.478	(1.232)	5367	1.040	10.40(a)
50 1,2-Dichlorobenzene	146.00	14.748	14.872	(1.232)	5367	1.188	11.88(a)
51 1,2-Dibromo-3-Chloropropane	157.00	15.543	15.666	(1.298)	591	0.9111	9.111(aQ)

QC Flag Legend

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

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2152.d

Date : 03-APR-95 14:05

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 950323- 28 P R C

Purge Volume: 5.0

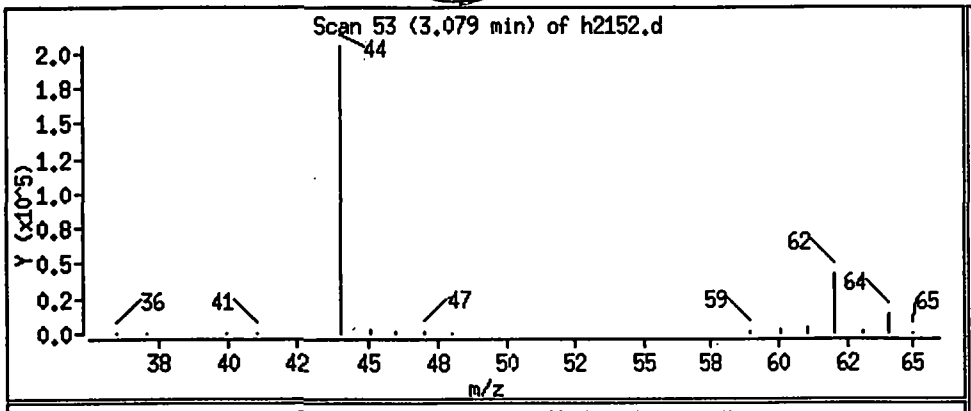
Operator:

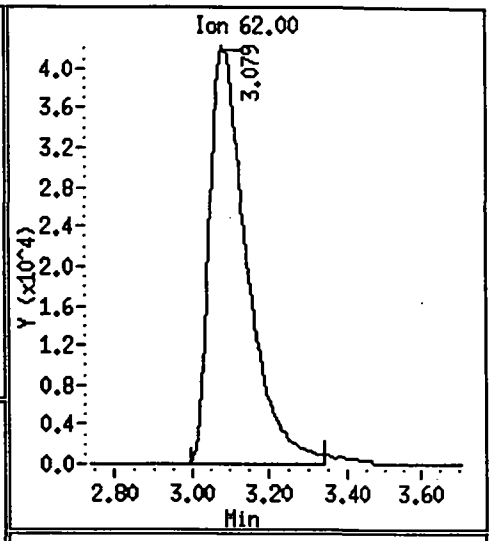
Column phase: DB-624

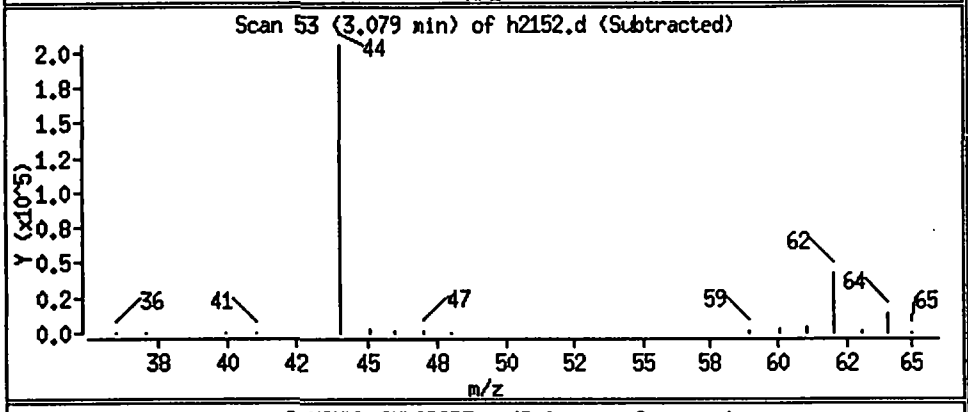
Column diameter: 0.53

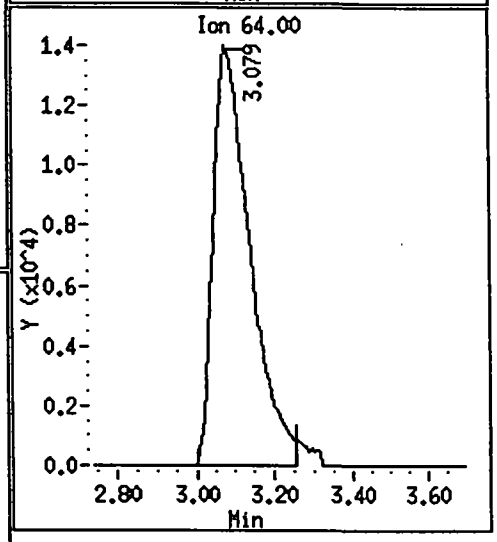
2 VINYL CHLORIDE ×

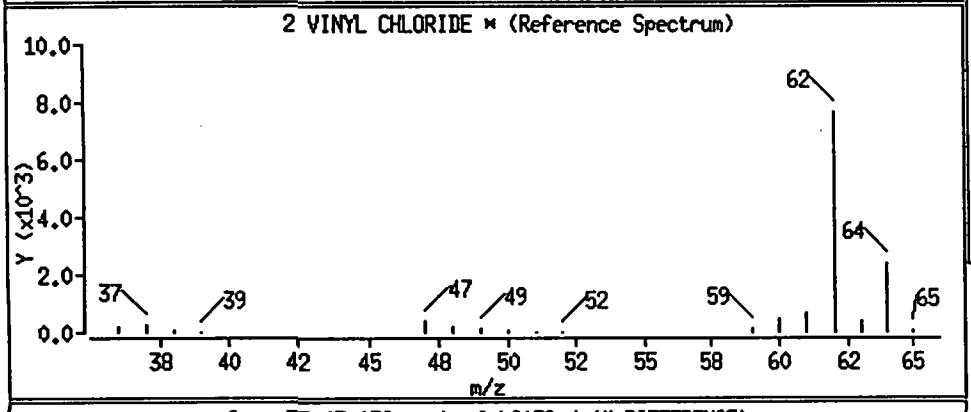
OK AEF

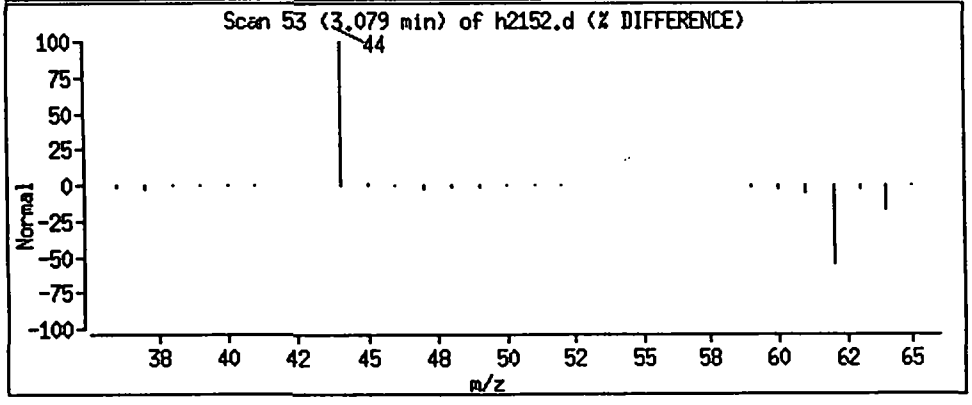












Data File: /wplcsdisk1/VOA2.i/v040395.b/h2152.d

Date : 03-APR-95 14:05

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 950323- 28 P R C

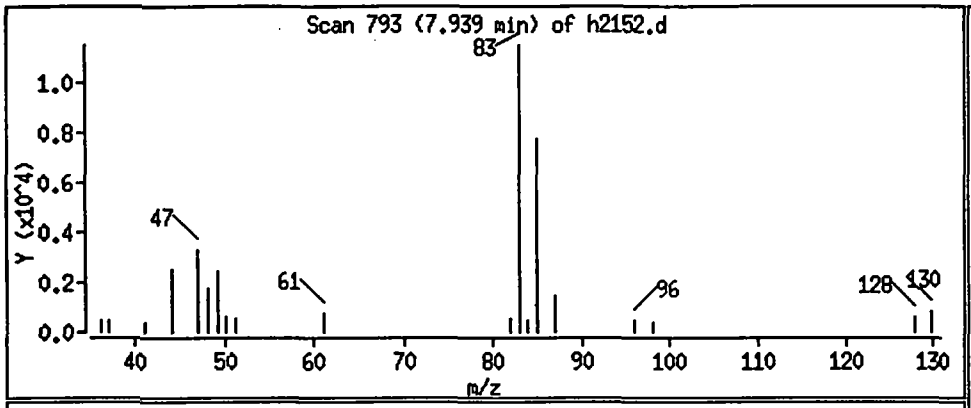
Purge Volume: 5.0

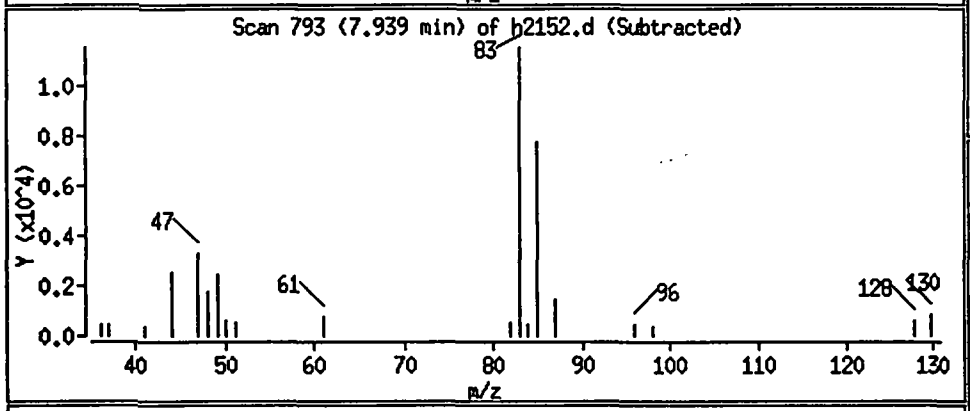
Operator:

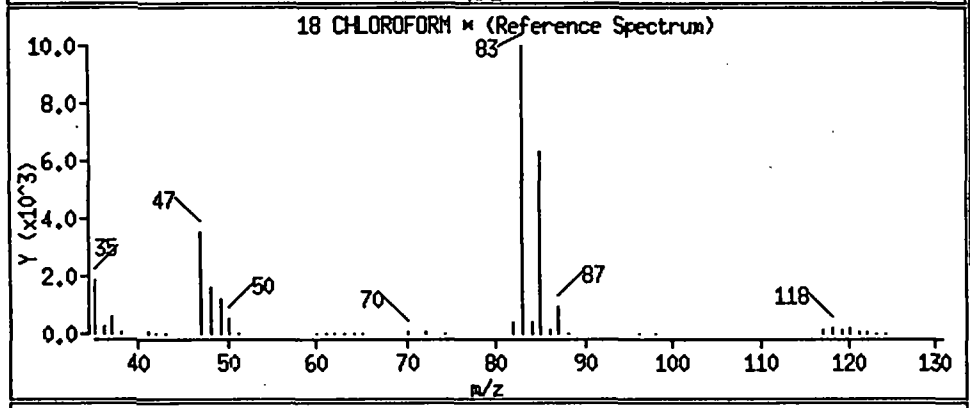
Column phase: DB-624

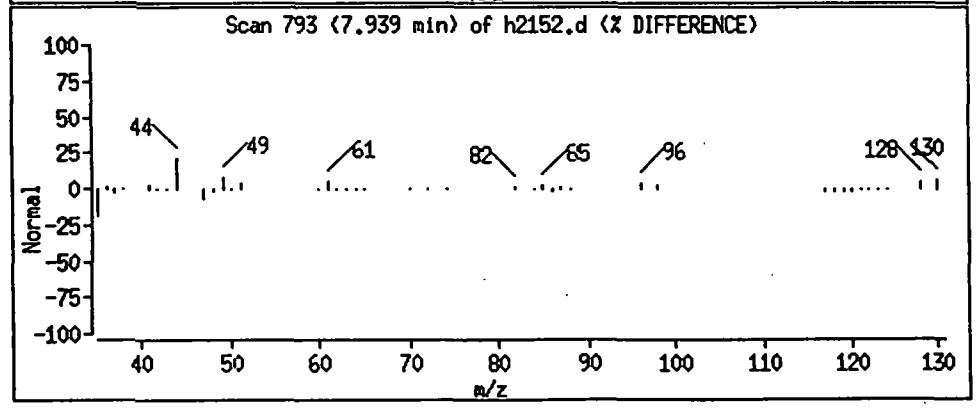
Column diameter: 0.53

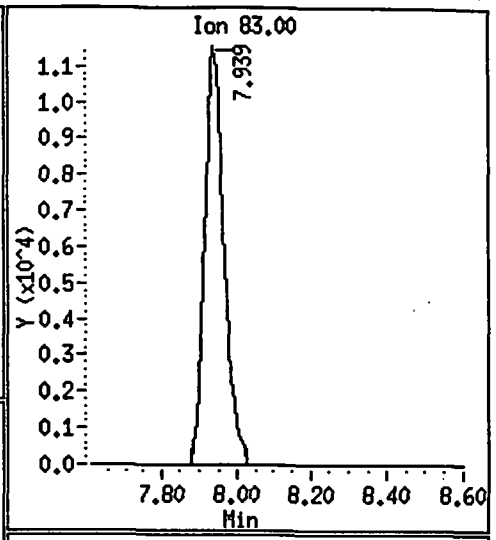
18 CHLOROFORM ¤

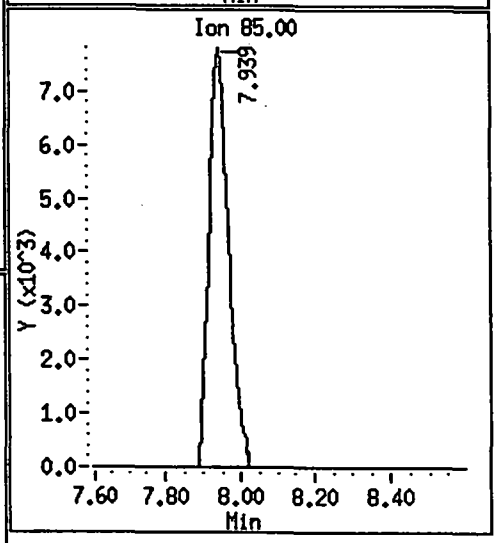












Data File: /wplcsdisk1/VOA2.i/v040395.b/h2152.d

Date : 03-APR-95 14:05

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 950323- 28 P R C

Purge Volume: 5.0

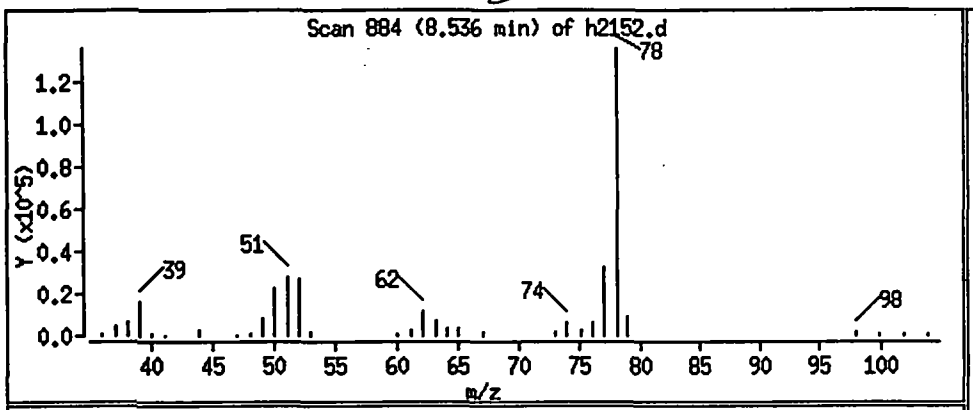
Operator:

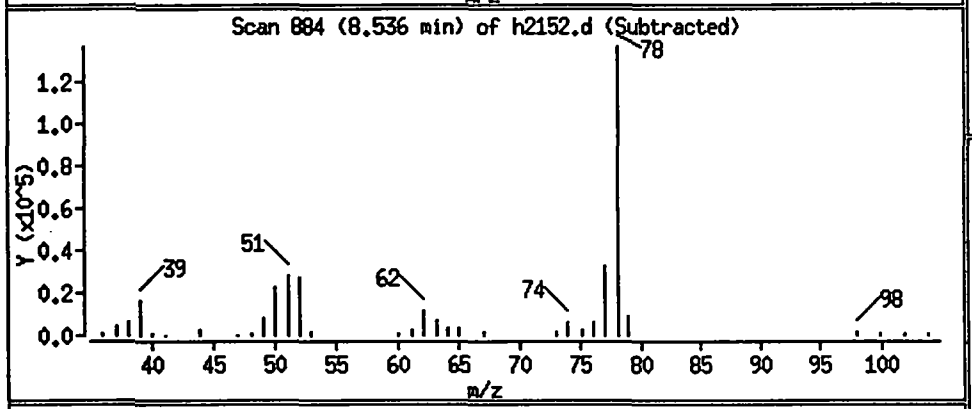
Column phase: DB-624

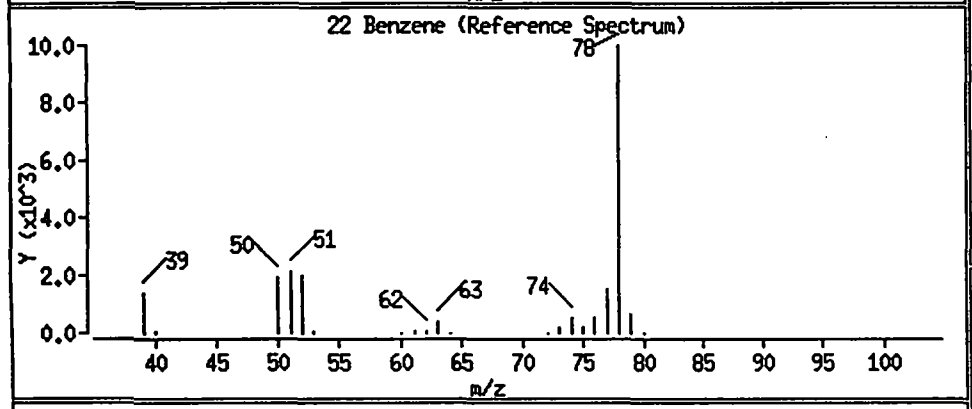
Column diameter: 0.53

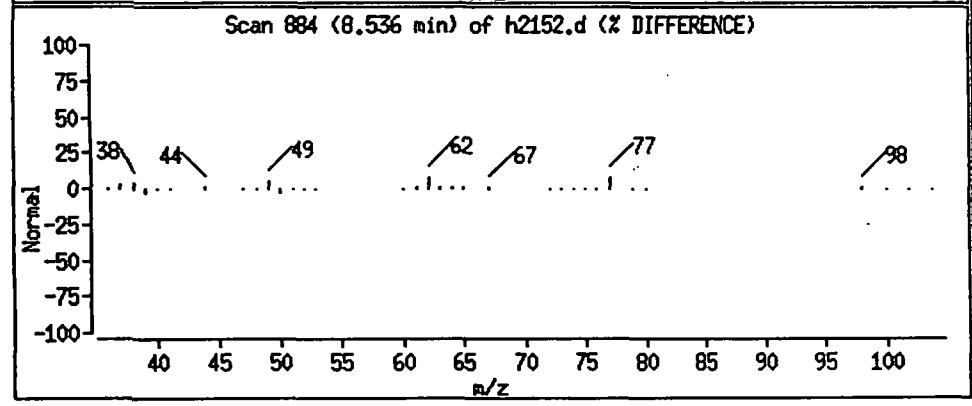
OK ARR

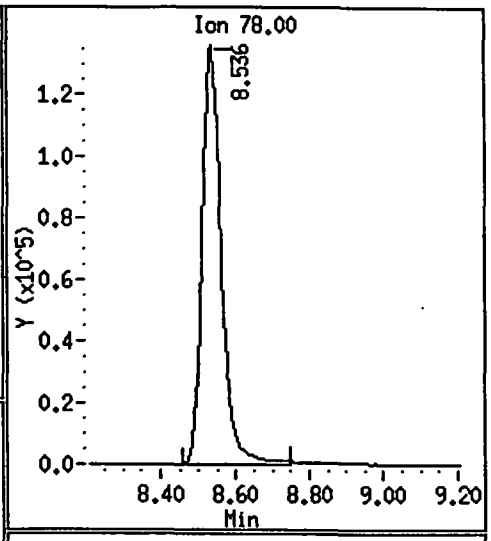
22 Benzene

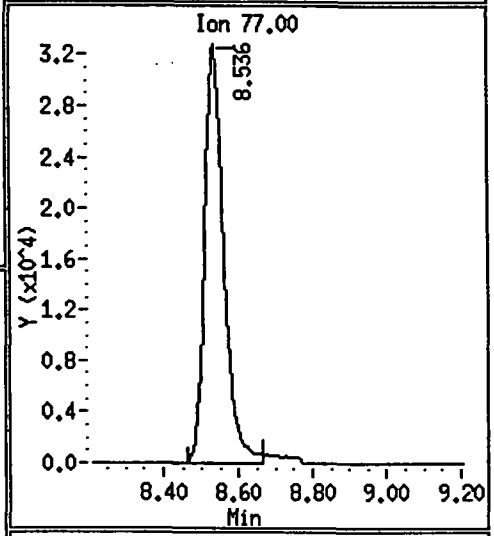


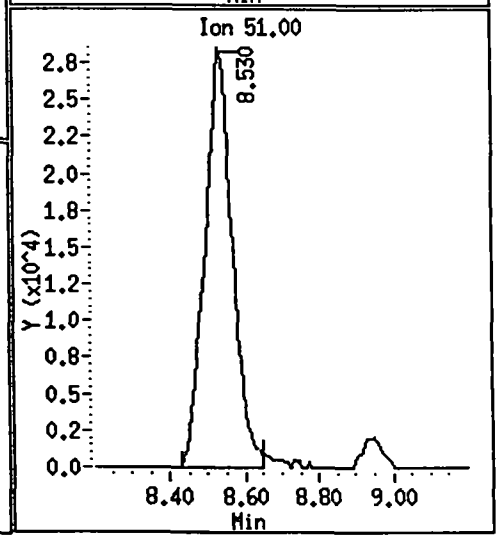












Data File: /wplcsdisk1/VOA2.i/v040395.b/h2152.d

Date : 03-APR-95 14:05

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 950323- 28 P R C

Purge Volume: 5.0

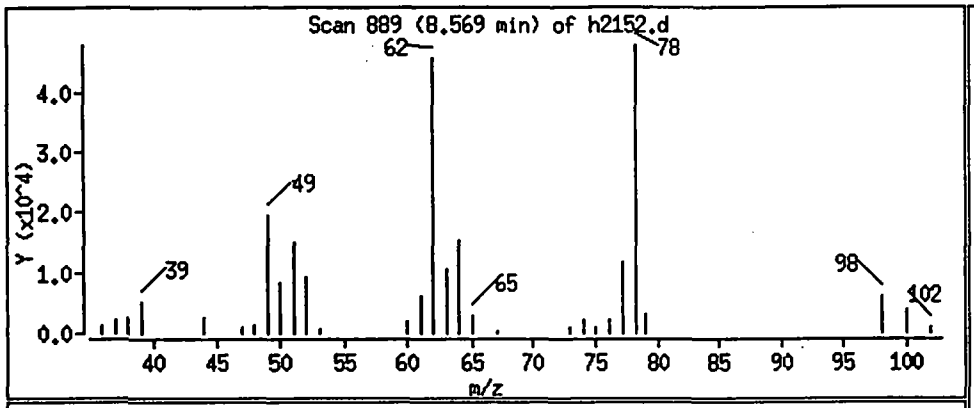
Operator:

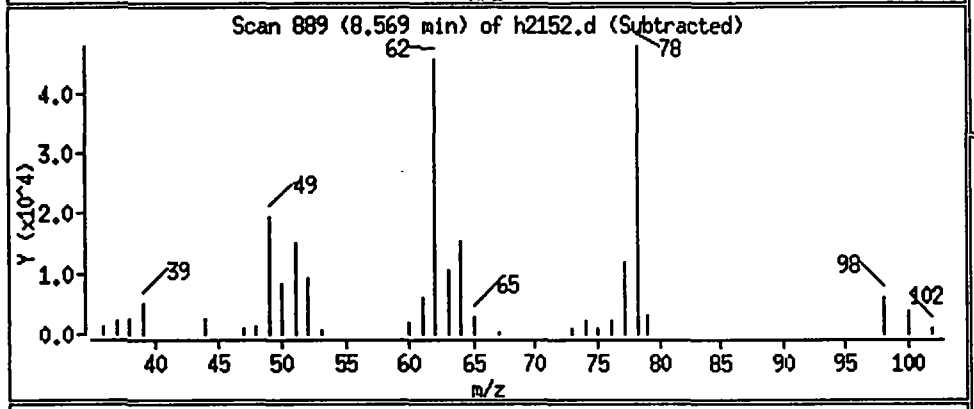
Column phase: DB-624

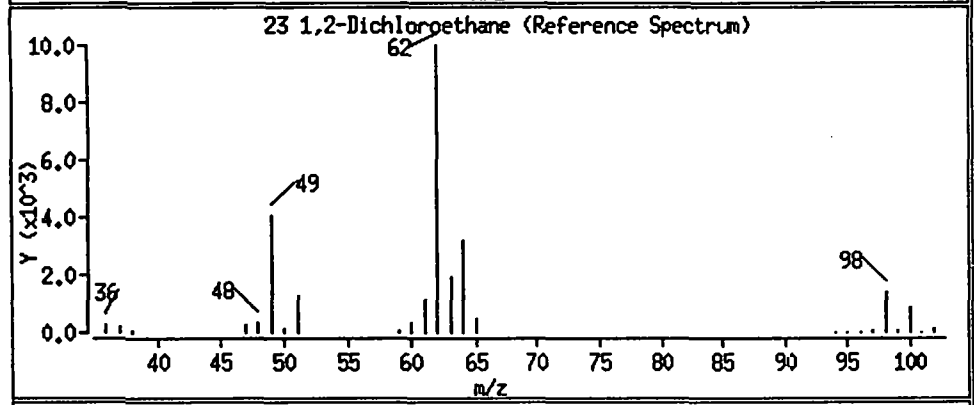
Column diameter: 0.53

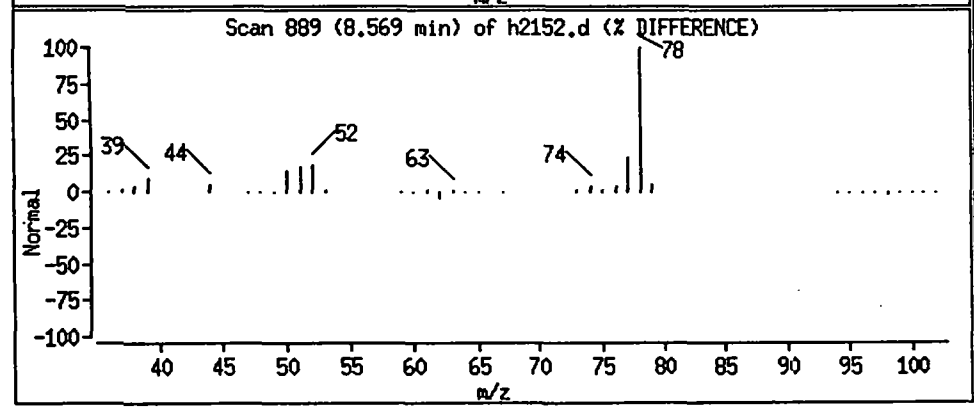
OK AMC

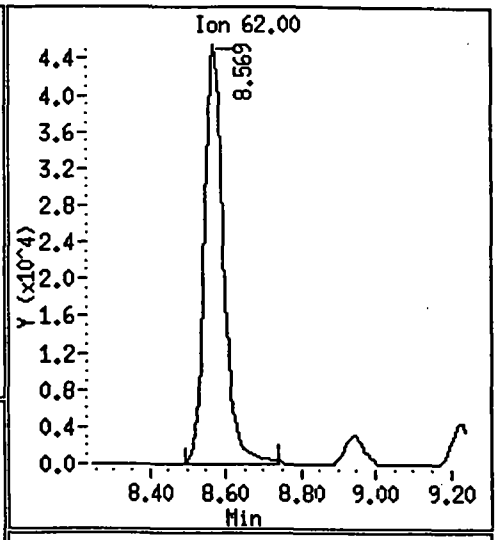
23 1,2-Dichloroethane

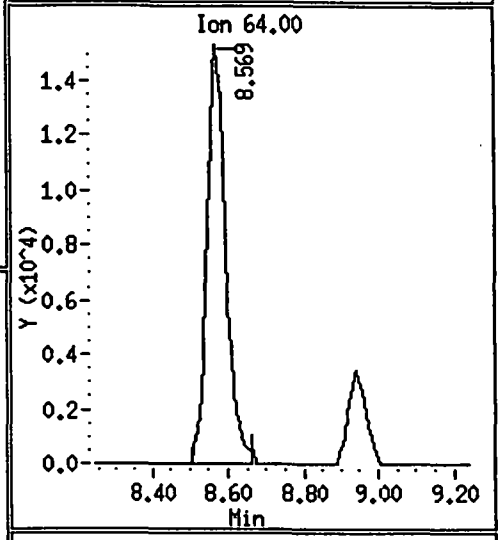


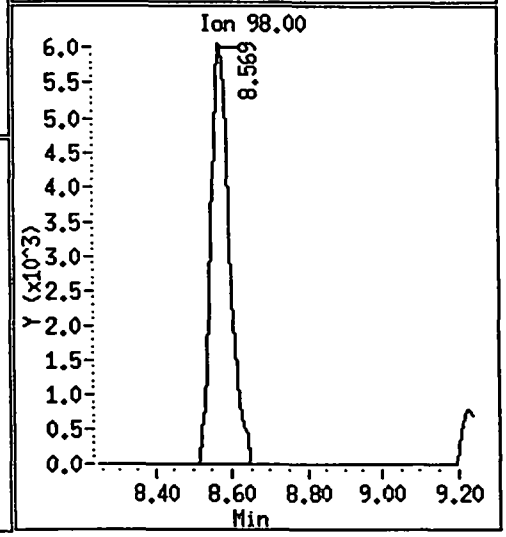












Data File: /wplcsdisk1/VOA2.i/v040395.b/h2152.d

Date : 03-APR-95 14:05

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 950323- 28 P R C

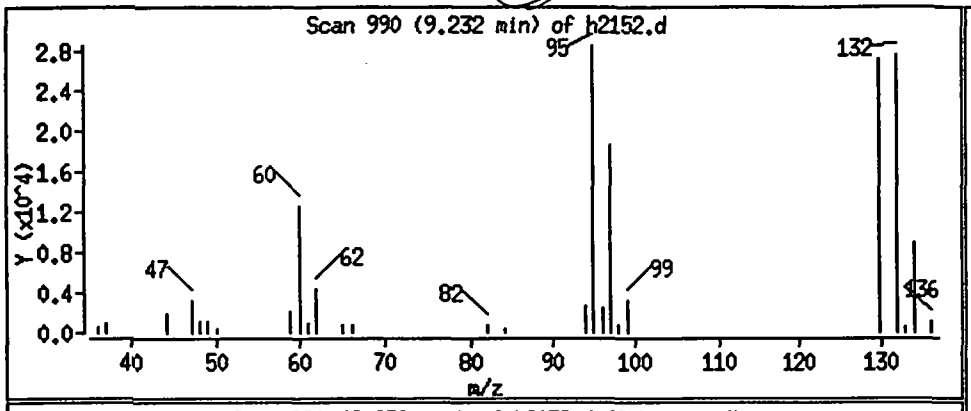
Purge Volume: 5.0

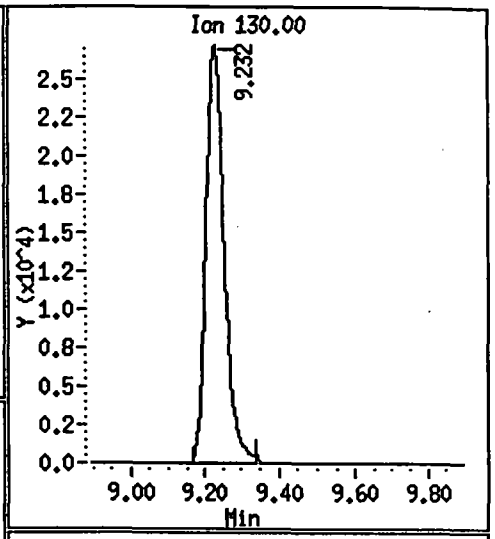
Operator:

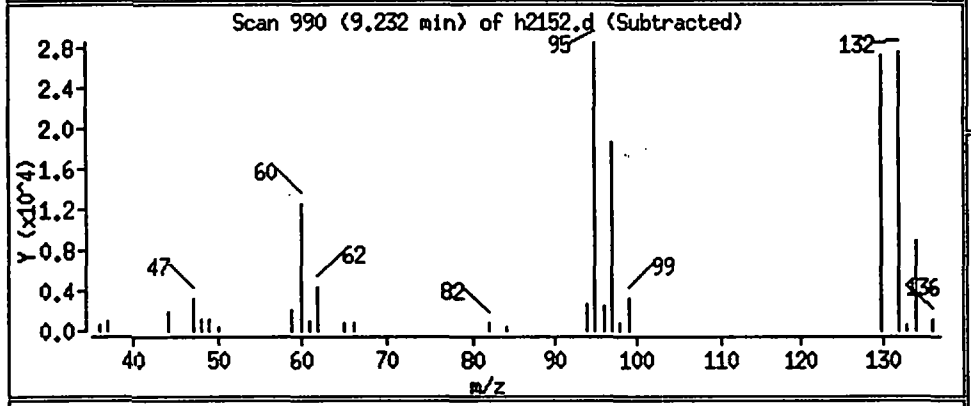
Column phase: DB-624

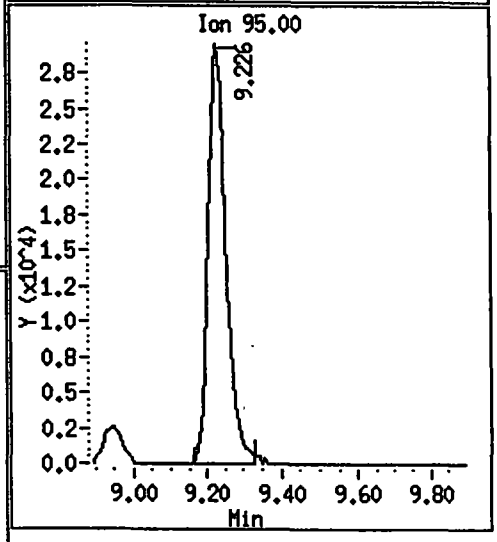
Column diameter: 0.53

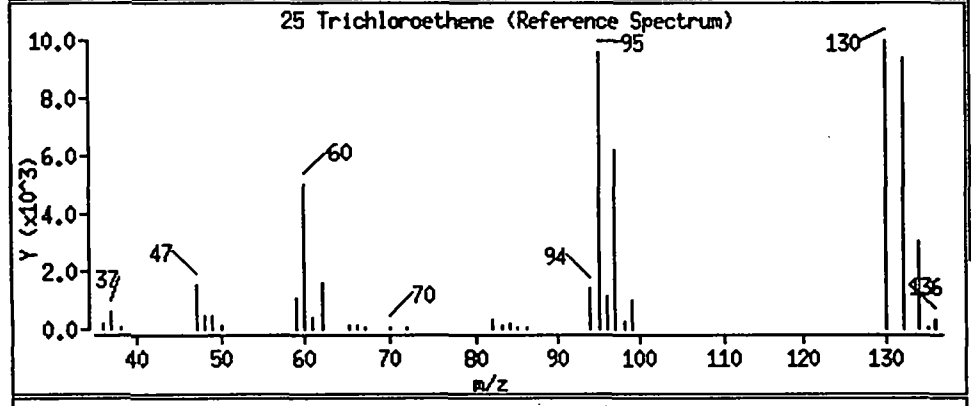
25 Trichloroethene

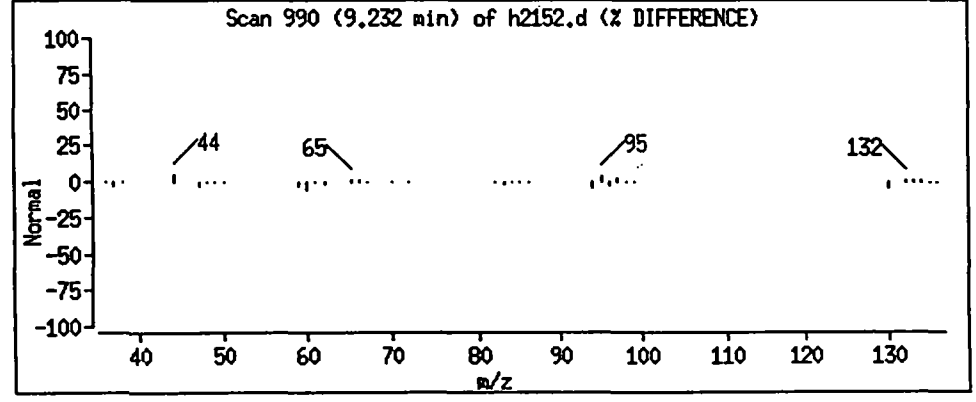












Data File: /wplcsdisk1/VOA2.i/v040395.b/h2152.d

Date : 03-APR-95 14:05

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 950323- 28 P R C

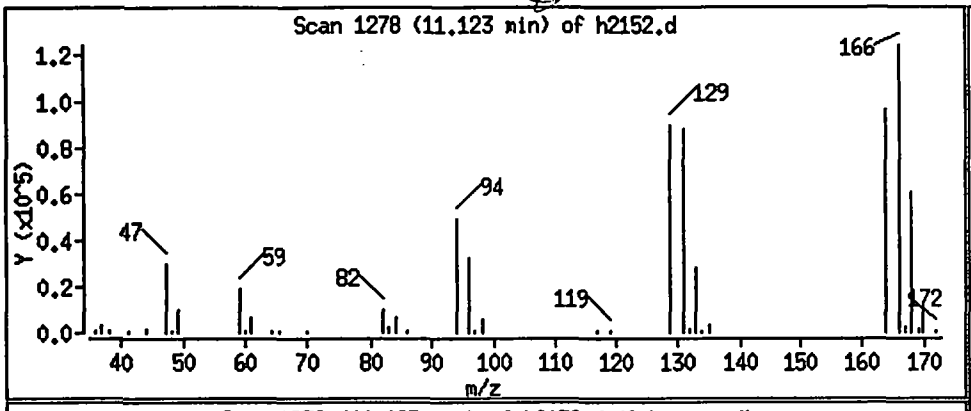
Purge Volume: 5.0

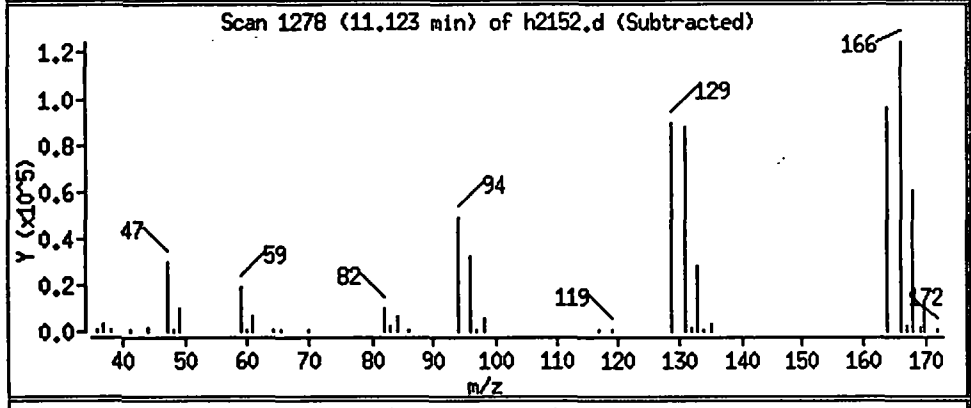
Operator:

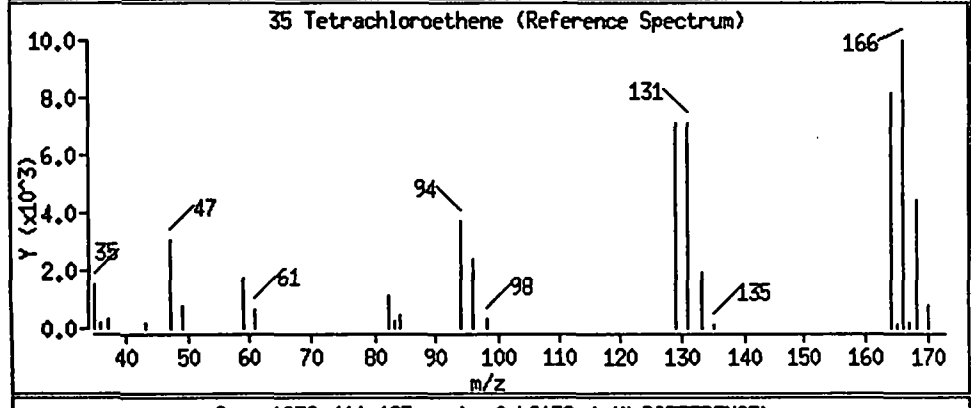
Column phase: DB-624

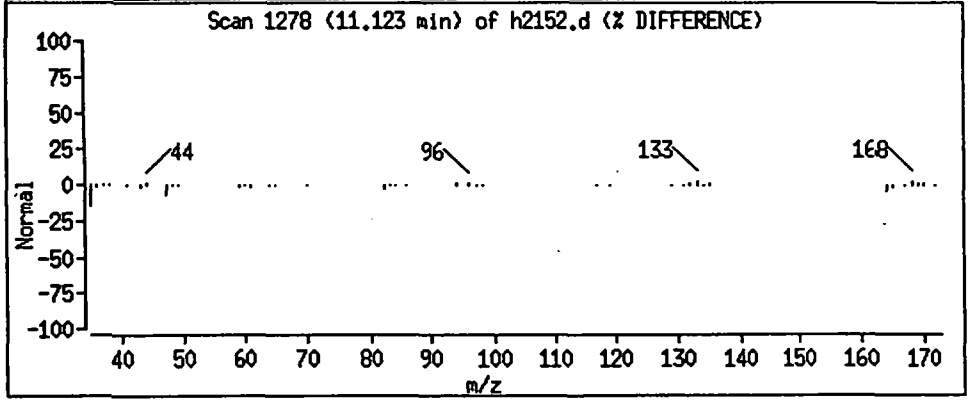
Column diameter: 0.53

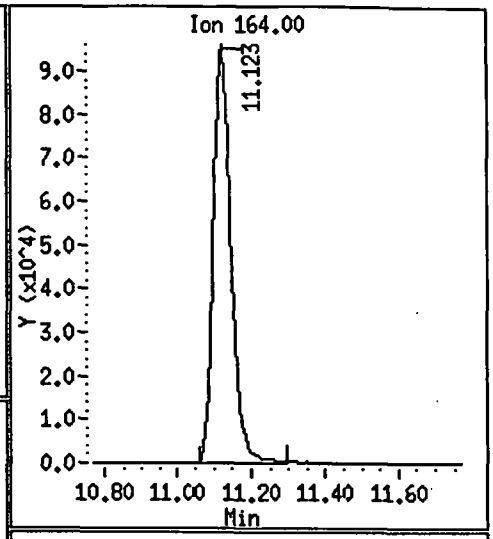
35 Tetrachloroethene

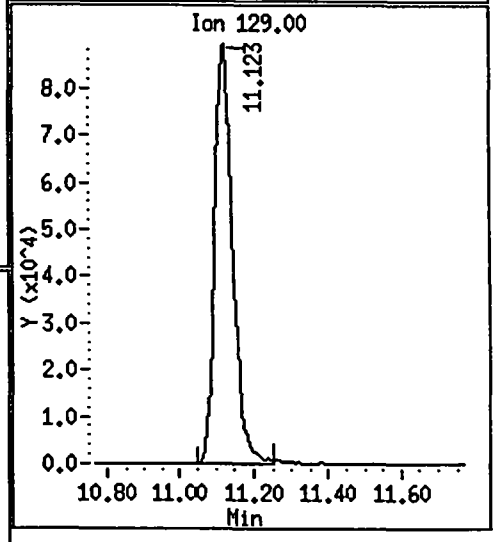












Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: VOA2.i
Lab File ID: h2152.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk1/VOA2.i/v040395.b/voa2.m
Misc Info: PRC/gr#9502320/TCLP/10DL/ARR/950323-28

Calibration Date: 04/03/95
Calibration Time: 0647

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	76973	38486	153946	66015	-14.24
24 1,4-Difluorobenzene	420730	210365	841460	351204	-16.53
39 Chlorobenzene-d5	350520	175260	701040	290303	-17.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	8.01	7.51	8.51	7.85	-2.03
24 1,4-Difluorobenzene	9.11	8.61	9.61	8.94	-1.86
39 Chlorobenzene-d5	12.11	11.61	12.61	11.97	-1.13

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.

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230029
CLIENT ID : SBA2-06
SAMPLE DATE: 03/22/95
SAMPLE TIME: 11:35

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 17:45
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	2.55*	0.5	0.1	20	8240
Carbon tetrachloride	< DL	0.5	0.1	20	8240
Chlorobenzene	< DL	100.0	0.1	20	8240
Chloroform	< DL	6.0	0.1	20	8240
1,2-Dichloroethane	< DL	0.5	0.1	20	8240
1,1-Dichloroethylene	< DL	0.7	0.1	20	8240
Methyl ethyl ketone	< DL	200.0	0.5	20	8240
Tetrachloroethylene	< DL	0.7	0.1	20	8240
Trichloroethylene	< DL	0.5	0.1	20	8240
Vinyl chloride	2.27*	0.2	0.1	20	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2152.d

Date : 03-APR-95 14:05

Lab Sample ID:

Instrument: VOA2.i

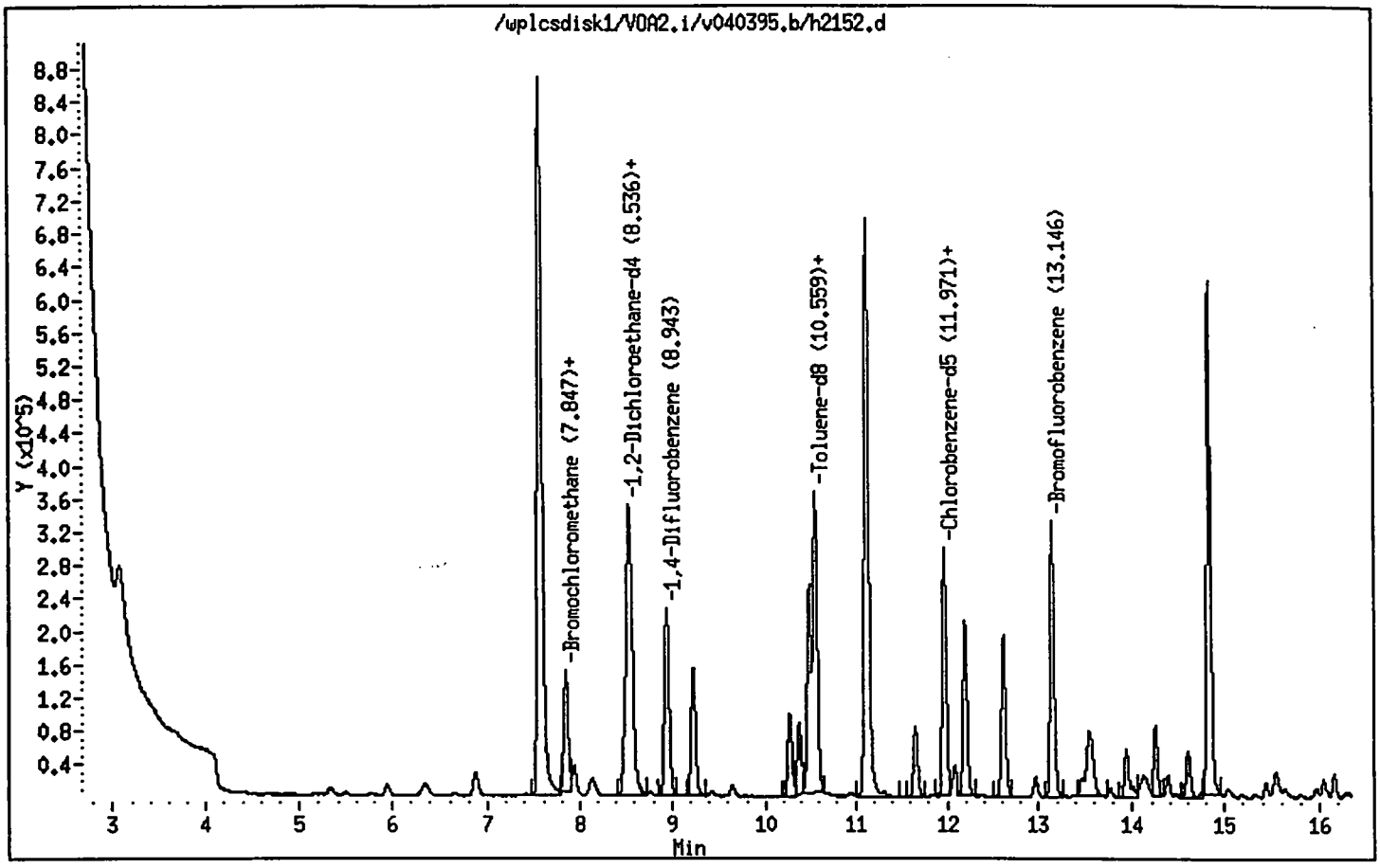
Sample Info: 950323- 28 P R C

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2161.d
Lab Smp Id:
Inj Date : 03-APR-95 17:45
Operator : Inst ID: msv2.i
Smp Info : 950323- 29 P R C
Misc Info : PRC/gr#9502320/TCLP/20DL/ARR/950323-29
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 13-Apr-1995 14:45 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 1
Dil Factor: 20.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	2 VINYL CHLORIDE *	62.00	3.092	3.203	(0.394)	157852	113.4	2267(Q)
	9 Acetone	43.00	5.331	5.501	(0.679)	15888	36.91	738.2(Q)
	10 Vinyl Acetate	43.00	5.909	5.980	(0.752)	876	0.9077	18.15(aQ)
	11 Methylene Chloride	49.00	5.955	6.092	(0.758)	23013	7.158	143.2(a)
	14 1,1-DICHLORETHANE **	63.00	6.881	7.024	(0.876)	28213	7.517	150.3(a)
	15 cis-1,2-Dichloroethene	61.00	7.577	7.727	(0.965)	508350	170.1	3402
	16 2-Butanone	43.00	7.616	7.780	(0.970)	5762	9.155	183.1(a)
*	17 Bromochloromethane	128.00	7.853	8.009	(1.000)	70485	50.00	
	18 CHLOROFORM *	83.00	7.945	8.101	(1.012)	4850	1.389	27.79(a)
	19 1,1,1-Trichloroethane	97.00	8.129	8.292	(0.908)	344	0.1050	2.100(aQ)
$	21 1,2-Dichloroethane-d4	65.00	8.496	8.653	(0.949)	65948	36.76	36.76(aR)
	22 Benzene	78.00	8.542	8.705	(0.954)	740947	127.4	2547(Q)
*	24 1,4-Difluorobenzene	114.00	8.956	9.113	(1.000)	382966	50.00	
	25 Trichloroethene	130.00	9.238	9.395	(1.032)	1548	0.5914	11.83(a)
	29 cis-1,3-Dichloropropene	75.00	10.585	10.373	(1.182)	2850	0.8285	16.57(aQ)
	30 4-Methyl-2-Pentanone	43.00	10.388	10.524	(0.866)	35959	18.92	378.5
$	31 Toluene-d8	98.00	10.512	10.643	(0.877)	305691	49.16	49.16(a)
	32 TOLUENE *	91.00	10.578	10.708	(0.882)	600283	85.38	1708
	35 Tetrachloroethene	164.00	11.136	11.266	(0.929)	2569	1.078	21.56(a)
*	39 Chlorobenzene-d5	117.00	11.990	12.107	(1.000)	312221	50.00	
	40 CHLOROBENZENE **	112.00	12.016	12.140	(1.002)	3685	0.6665	13.33(aQ)
	41 ETHYLBENZENE *	106.00	12.102	12.219	(1.009)	18230	6.821	136.4(a)
	42 p,m-Xylene	106.00	12.220	12.337	(1.019)	247002	69.68	1394
	43 o-Xylene	106.00	12.627	12.737	(1.053)	89699	25.60	511.9
	44 Styrene	104.00	12.640	12.751	(1.054)	68665	11.38	227.7
$	46 Bromofluorobenzene	95.00	13.172	13.276	(1.099)	235039	49.40	49.40(a)

QC Flag Legend

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

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2161.d

Date : 03-APR-95 17:45

Lab Sample ID:

Instrument: VOA2.i

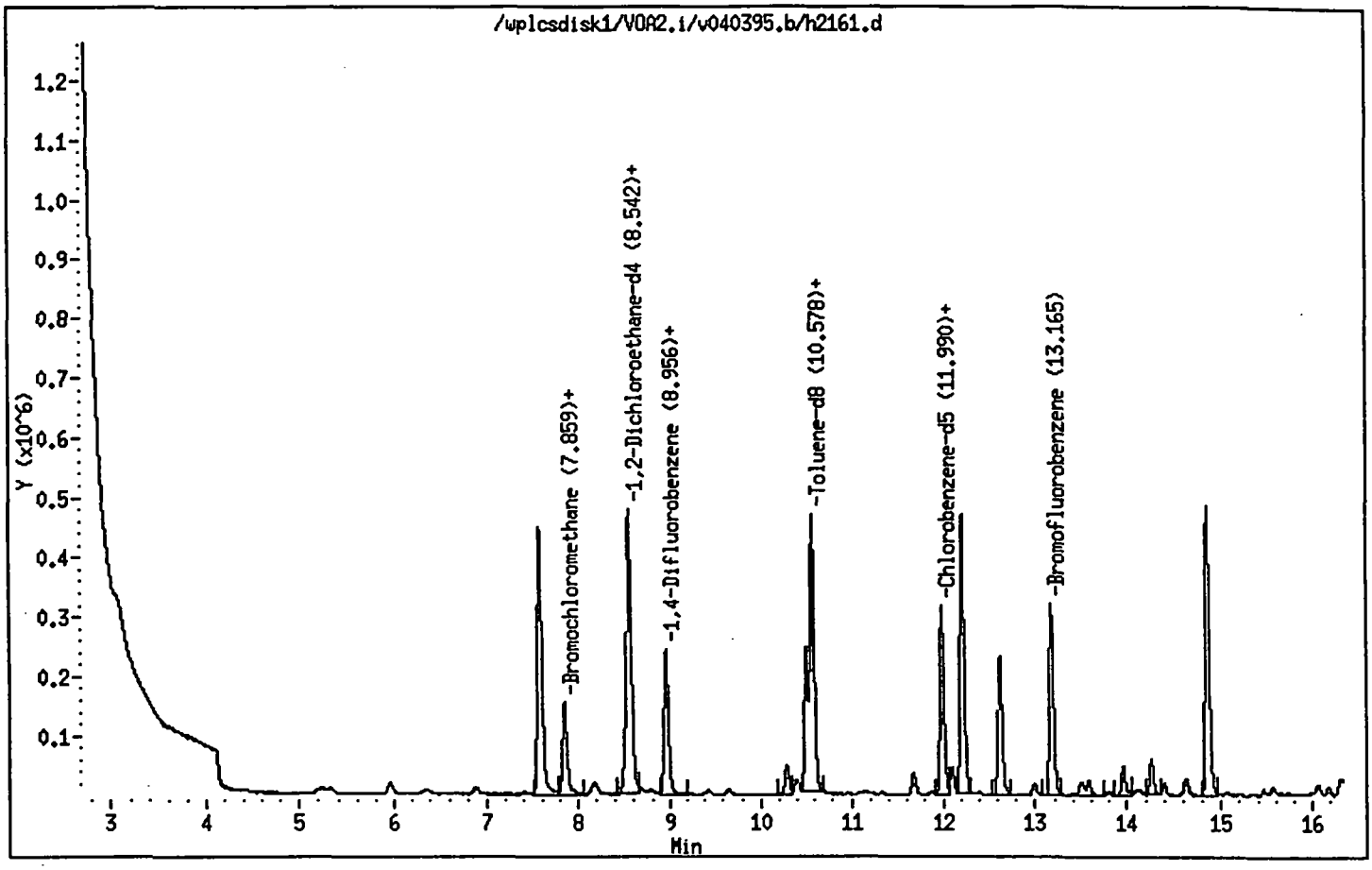
Sample Info: 950323- 29 P R C

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Data File: /wplcsdisk1/VOA2.i/v040395.b/h2161.d

Date : 03-APR-95 17:45

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 950323- 29 P R C

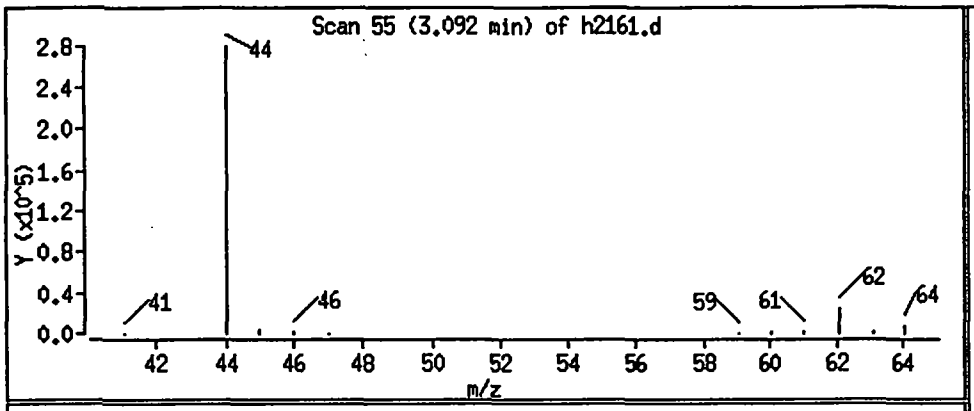
Purge Volume: 5.0

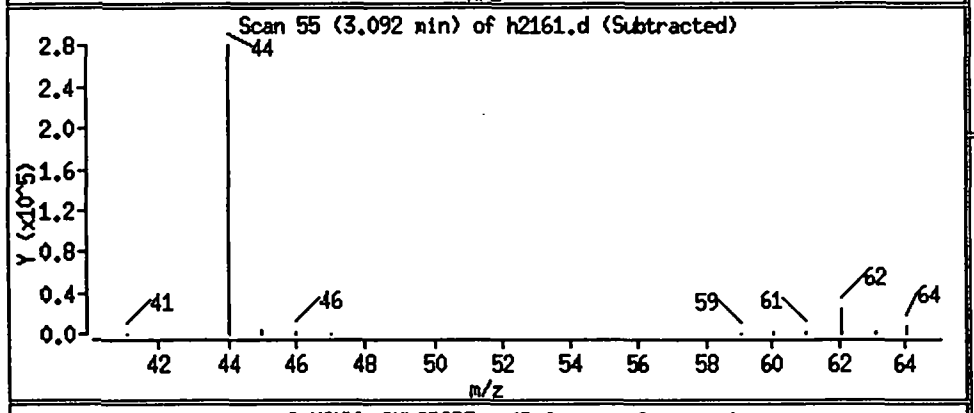
Operator:

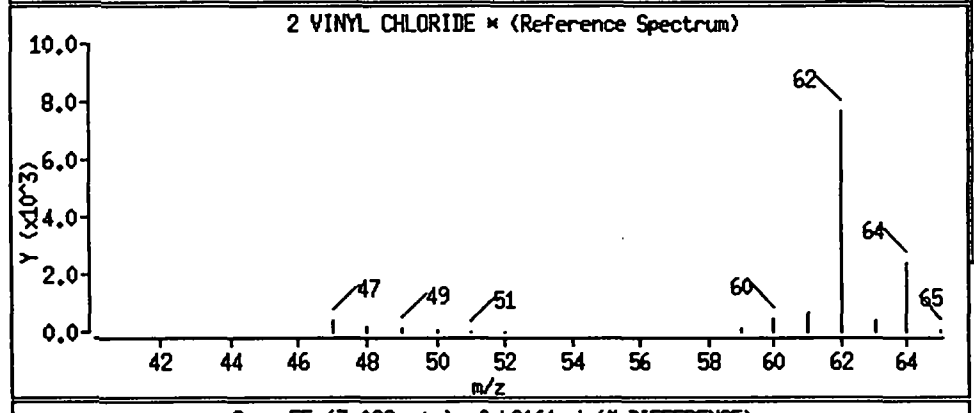
Column phase: DB-624

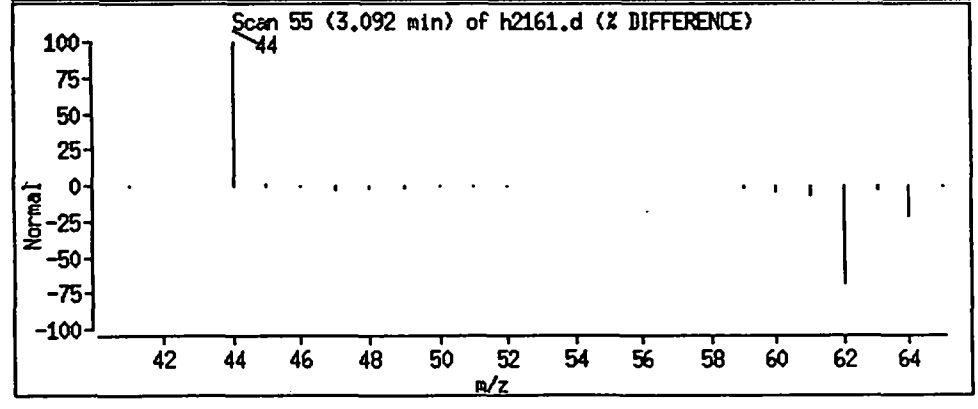
Column diameter: 0.53

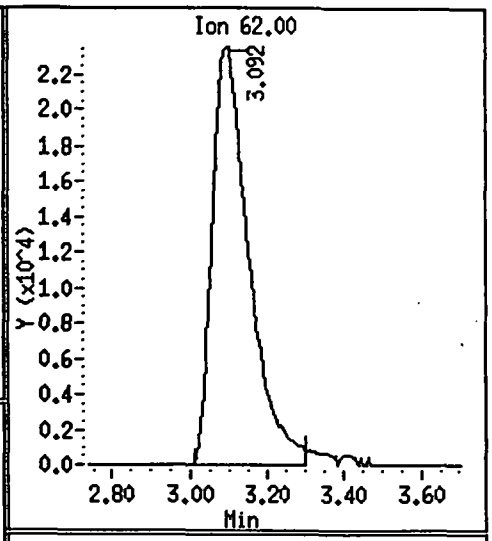
2 VINYL CHLORIDE ×

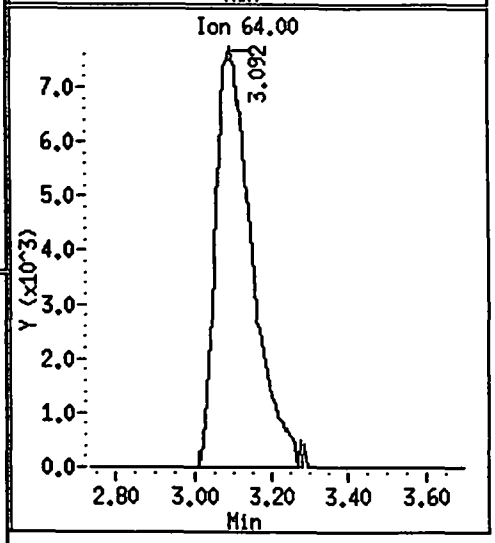












Data File: /wplcsdisk1/VOA2.i/v040395.b/h2161.d

Date : 03-APR-95 17:45

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 950323- 29 P R C

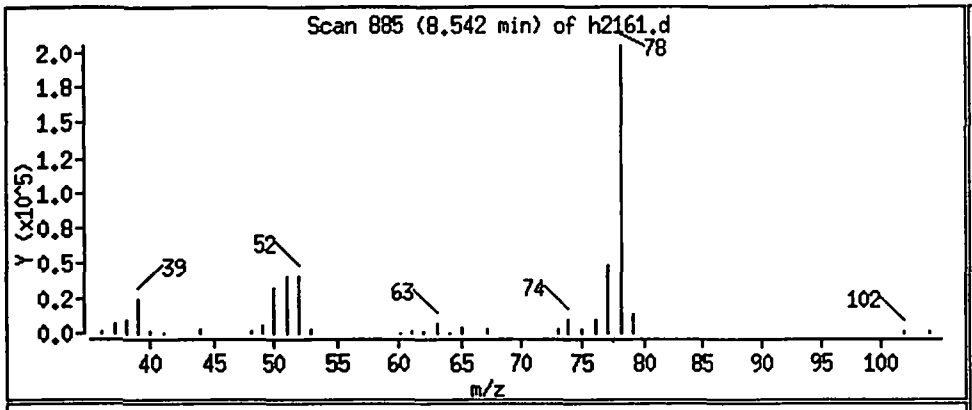
Purge Volume: 5.0

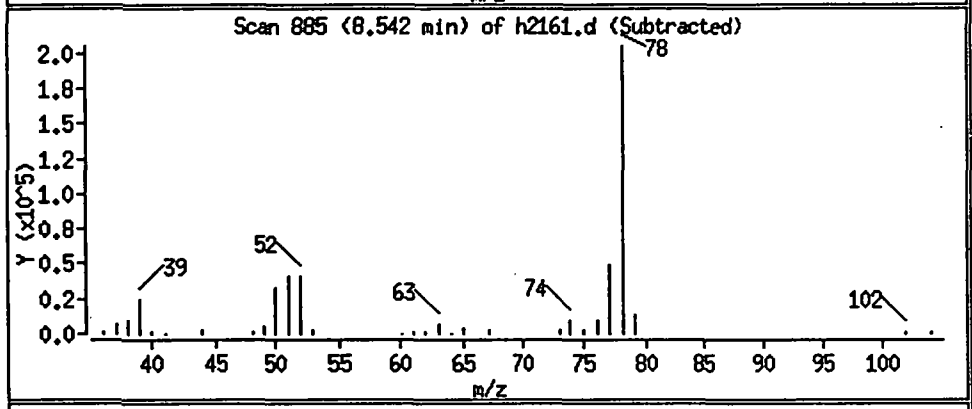
Operator:

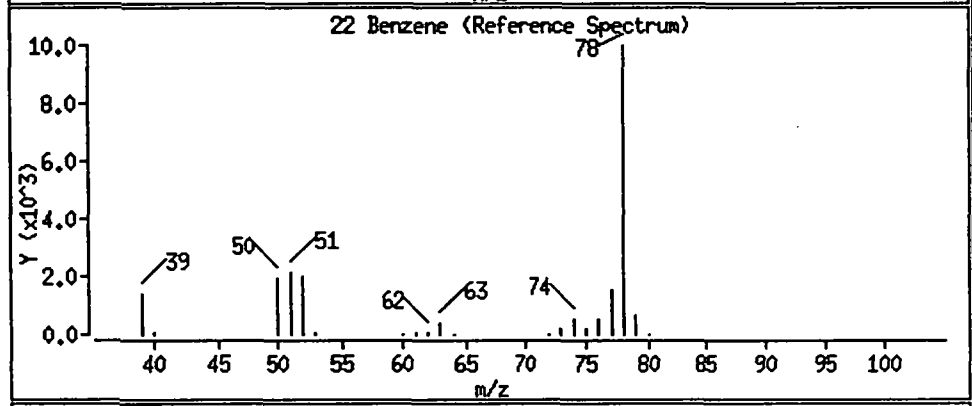
Column phase: DB-624

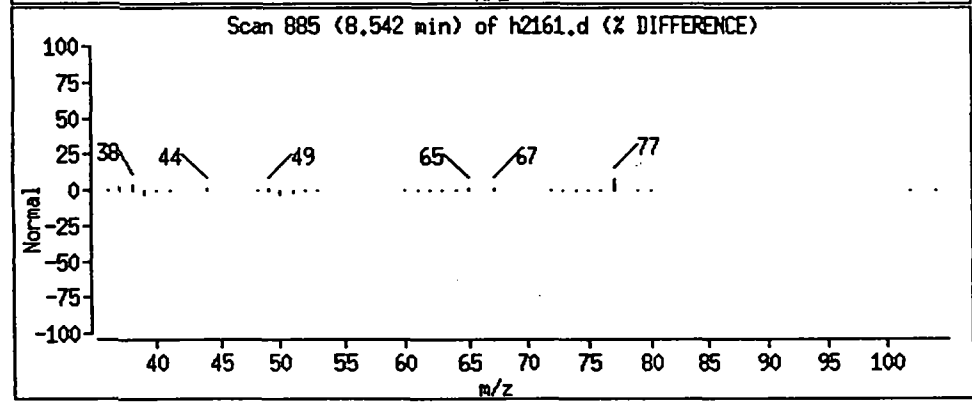
Column diameter: 0.53

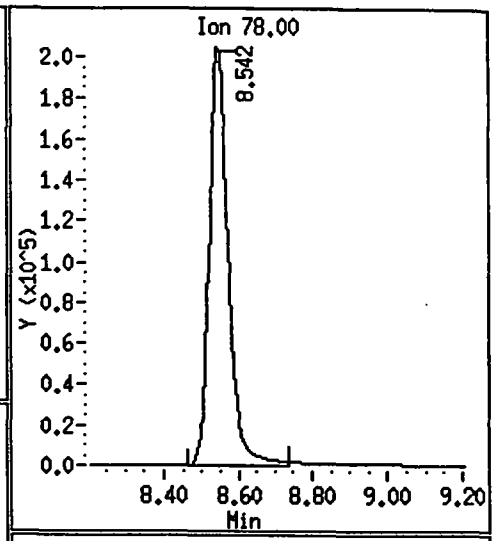
22 Benzene

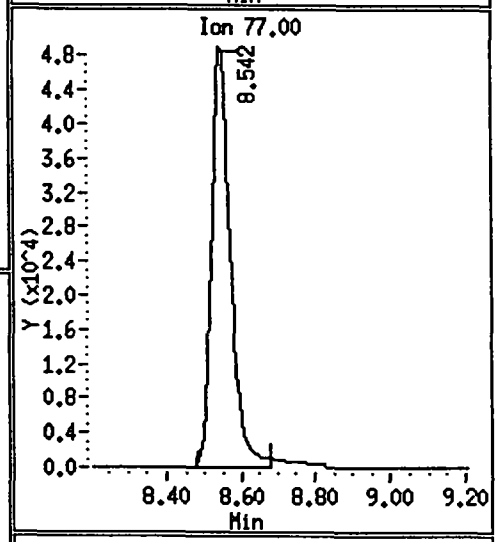


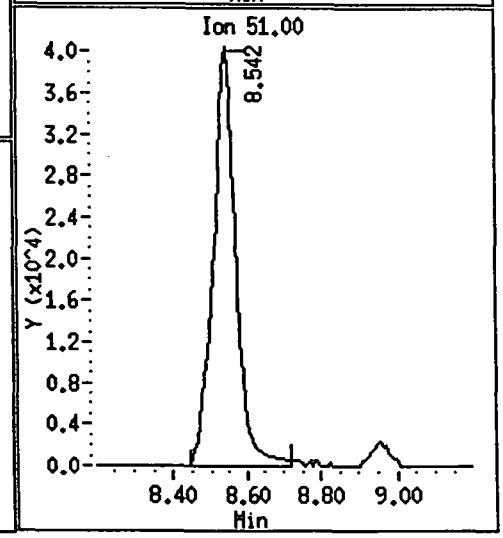












Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: VOA2.i
Lab File ID: h2161.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk1/VOA2.i/v040395.b/voa2.m
Misc Info: PRC/gr#9502320/TCLP/20DL/ARR/950323-29

Calibration Date: 04/03/95
Calibration Time: 0647

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	76973	38486	153946	70485	-8.43
24 1,4-Difluorobenzene	420730	210365	841460	382966	-8.98
39 Chlorobenzene-d5	350520	175260	701040	312221	-10.93

D

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	8.01	7.51	8.51	7.85	-1.95
24 1,4-Difluorobenzene	9.11	8.61	9.61	8.96	-1.72
39 Chlorobenzene-d5	12.11	11.61	12.61	11.99	-0.97

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.

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230030
CLIENT ID : SBA2-09
SAMPLE DATE: 03/22/95
SAMPLE TIME: 12:00

ANALYST: arr
ANALYSIS DATE: 04/05/95
ANALYSIS TIME: 18:38
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040595.b/h2207.d
Lab Smp Id:
Inj Date : 05-APR-1995 18:38
Operator : Inst ID: msv2.i
Smp Info : 950323-030 P R C
Misc Info : PRC/gr#9502320/TCLP/10DL/JS/950323-030
Comment :
Method : /wplcsdisk3/msv2.i/v040595.b/voa2.m
Meth Date : 11-Apr-1995 21:31 arr Quant Type: ISTD
Cal Date : 05-APR-1995 16:39 Cal File: h2203.d
Als bottle: 10
Dil Factor: 10.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	10 Vinyl Acetate	43.00	5.848	5.841	(0.741)	175	0.1712	1.712(aQ)
	11 Methylene Chloride	49.00	5.972	5.946	(0.757)	19106	6.865	68.65(a)
*	17 Bromochloromethane	128.00	7.890	7.883	(1.000)	60983	50.00	
	20 Carbon Tetrachloride	117.00	8.343	8.343	(0.928)	646	0.2043	2.043(a)
$	21 1,2-Dichloroethane-d4	65.00	8.533	8.527	(0.949)	65456	40.18	40.18(a)
	22 Benzene	78.00	8.579	8.580	(0.954)	17219	3.171	31.71(aQ)
*	24 1,4-Difluorobenzene	114.00	8.993	8.987	(1.000)	336920	50.00	
$	31 Toluene-d8	98.00	10.530	10.523	(0.877)	264773	48.59	48.59(a)
	32 TOLUENE *	91.00	10.602	10.596	(0.883)	66112	9.953	99.53(aQ)
*	39 Chlorobenzene-d5	117.00	12.007	12.001	(1.000)	272897	50.00	
	41 ETHYLBENZENE *	106.00	12.112	12.106	(1.009)	1877	0.7472	7.472(aQ)
	42 p,m-Xylene	106.00	12.230	12.224	(1.019)	16049	4.847	48.47(a)
	43 o-Xylene	106.00	12.638	12.631	(1.052)	6735	2.051	20.51(a)
	44 Styrene	104.00	12.651	12.644	(1.054)	5580	0.9775	9.775(a)
$	46 Bromofluorobenzene	95.00	13.183	13.170	(1.098)	198934	48.77	48.77(a)

QC Flag Legend

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

Data File: /wplcsdisk3/msv2.i/v040595.b/h2207.d

Date : 05-APR-95 18:38

Lab Sample ID:

Instrument: msv2.i

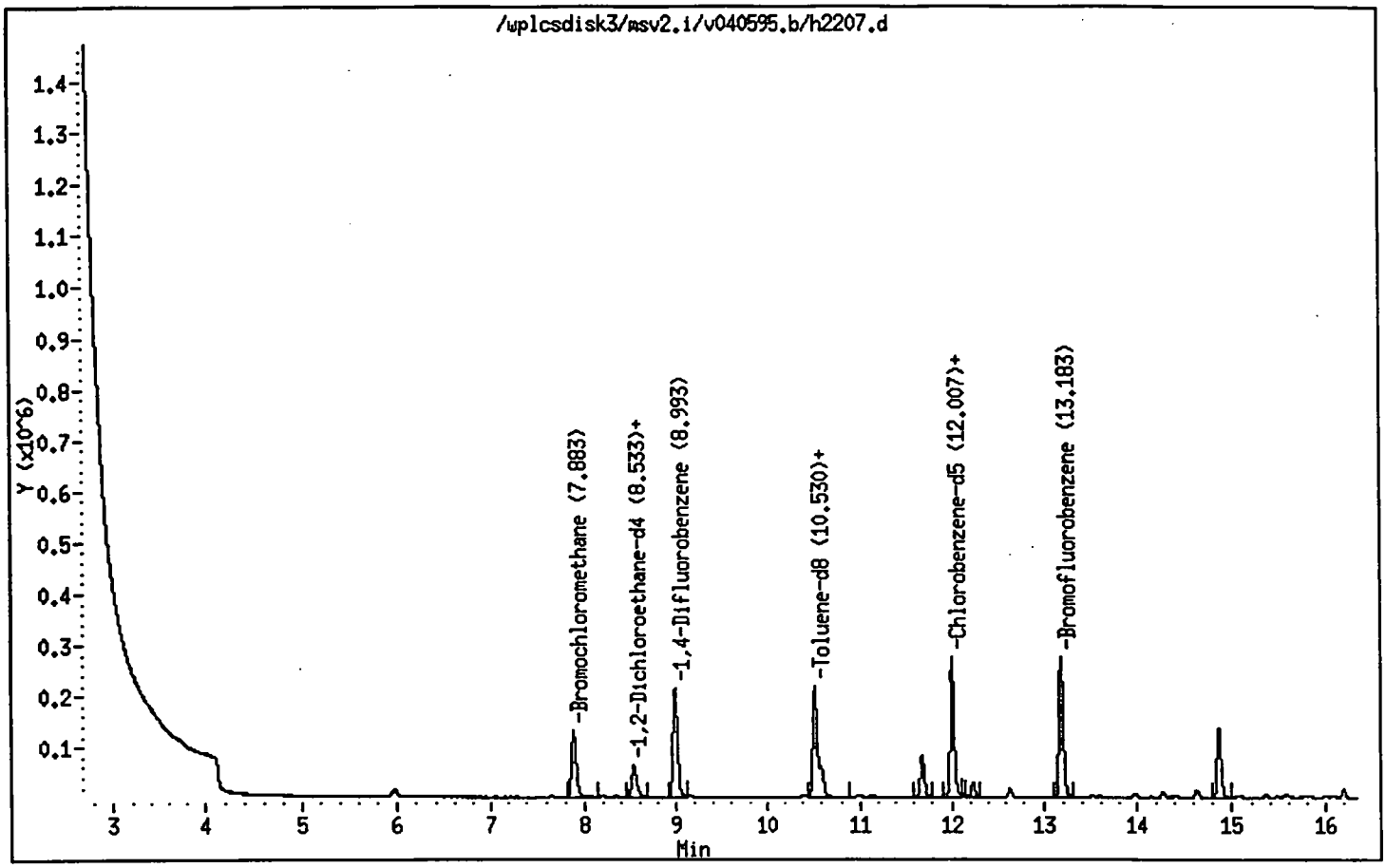
Sample Info: 950323-030 P R C

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msv2.i
Lab File ID: h2207.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk3/msv2.i/v040595.b/voa2.m
Misc Info: PRC/gr#9502320/TCLP/10DL/JS/950323-030

Calibration Date: 04/05/95
Calibration Time: 1639

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	73087	36544	146174	60983	-16.56
24 1,4-Difluorobenzene	396661	198330	793322	336920	-15.06
39 Chlorobenzene-d5	331828	165914	663656	272897	-17.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	7.88	7.38	8.38	7.89	0.08
24 1,4-Difluorobenzene	8.99	8.49	9.49	8.99	0.07
39 Chlorobenzene-d5	12.00	11.50	12.50	12.01	0.05

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.

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230031
CLIENT ID : SBA2-08
SAMPLE DATE: 03/22/95
SAMPLE TIME: 12:05

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 15:17
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

"**" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2155.d
Lab Smp Id:
Inj Date : 03-APR-95 15:17
Operator : Inst ID: msv2.i
Smp Info : 950323- 31 P R C
Misc Info : PRC/gr#9502320/TCLP/10DL/ARR/950323-31
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 13-Apr-1995 14:45 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 11
Dil Factor: 10.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	9 Acetone	43.00	5.349	5.501	(0.680)	5811	16.85	168.5(Q)
	11 Methylene Chloride	49.00	5.967	6.092	(0.758)	12188	4.730	47.30(a)
*	17 Bromochloromethane	128.00	7.871	8.009	(1.000)	56483	50.00	
$	21 1,2-Dichloroethane-d4	65.00	8.515	8.653	(0.949)	51726	36.62	36.62(aR)
	22 Benzene	78.00	8.554	8.705	(0.954)	814	0.1777	1.777(aQ)
*	24 1,4-Difluorobenzene	114.00	8.968	9.113	(1.000)	301567	50.00	
$	31 Toluene-d8	98.00	10.517	10.643	(0.877)	259218	49.58	49.58(a)
*	39 Chlorobenzene-d5	117.00	11.995	12.107	(1.000)	262486	50.00	
	40 CHLOROBENZENE **	112.00	12.028	12.140	(1.003)	3605	0.7756	7.756(aQ)
	41 ETHYLBENZENE *	106.00	12.218	12.219	(1.019)	2244	0.9988	9.988(aQ)
	42 p,m-Xylene	106.00	12.218	12.337	(1.019)	2244	0.7530	7.530(a)
	43 o-Xylene	106.00	12.218	12.737	(1.019)	2244	0.7617	7.617(a)
$	46 Bromofluorobenzene	95.00	13.170	13.276	(1.098)	206500	51.63	51.63(a)

QC Flag Legend

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

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2155.d

Date : 03-APR-95 15:17

Lab Sample ID:

Instrument: VOA2.i

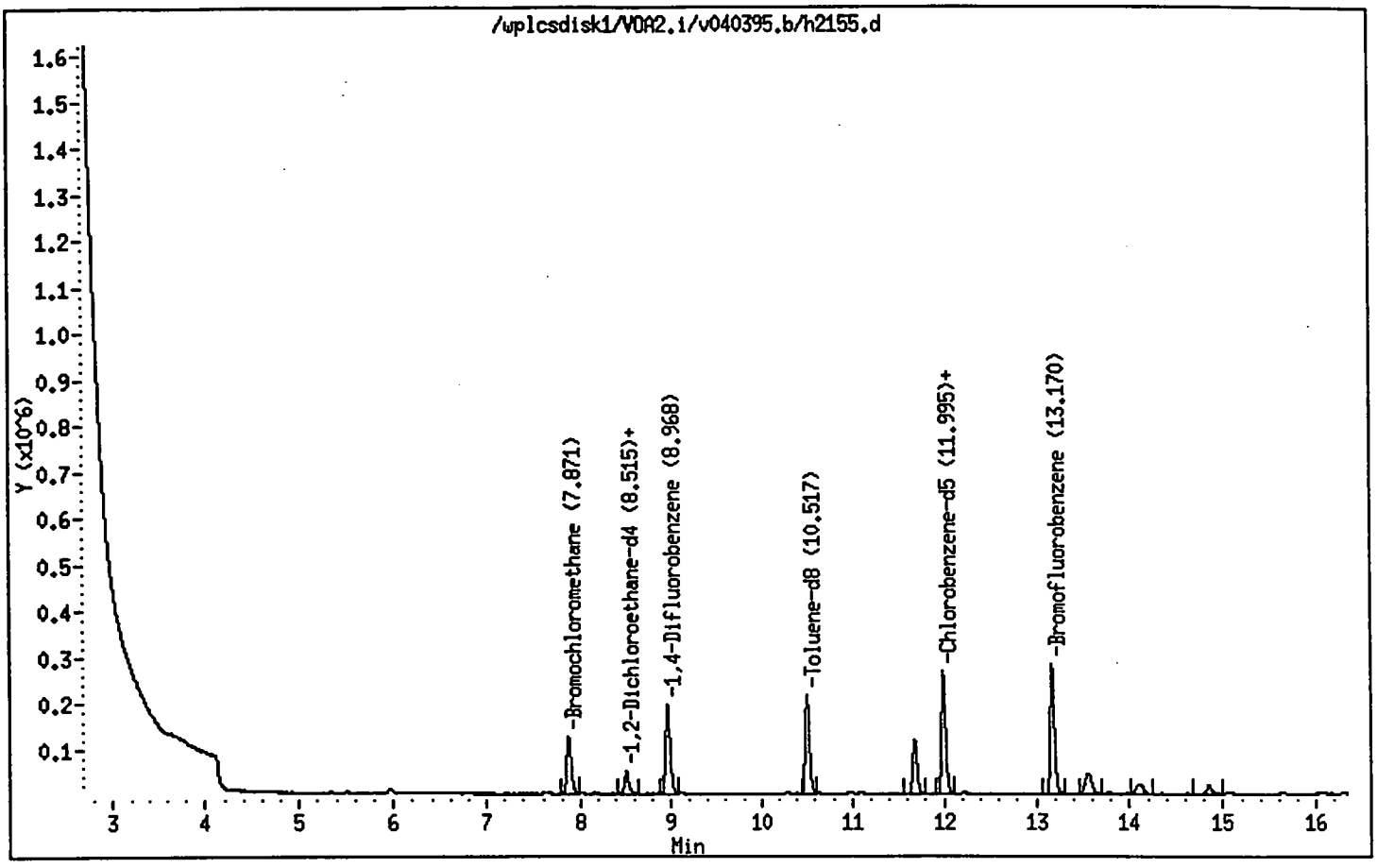
Sample Info: 950323- 31 P R C

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: VOA2.i
Lab File ID: h2155.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk1/VOA2.i/v040395.b/voa2.m
Misc Info: PRC/gr#9502320/TCLP/10DL/ARR/950323-31

Calibration Date: 04/03/95
Calibration Time: 0647

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	76973	38486	153946	56483	-26.62
24 1,4-Difluorobenzene	420730	210365	841460	301567	-28.32
39 Chlorobenzene-d5	350520	175260	701040	262486	-25.12

D

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	8.01	7.51	8.51	7.87	-1.73
24 1,4-Difluorobenzene	9.11	8.61	9.61	8.97	-1.59
39 Chlorobenzene-d5	12.11	11.61	12.61	11.99	-0.93

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.

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :

SAMPLE NO : 9503230032
CLIENT ID : SBA2-07
SAMPLE DATE: 03/22/95
SAMPLE TIME: 12:20

REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

ANALYST: arr
ANALYSIS DATE: 04/05/95
ANALYSIS TIME: 19:03
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040595.b/h2208.d
Lab Smp Id:
Inj Date : 05-APR-1995 19:03
Operator : Inst ID: msv2.i
Smp Info : 950323-032 P R C
Misc Info : PRC/gr#9502320/TCLP/10DL/JS/950323-032
Comment :
Method : /wplcsdisk3/msv2.i/v040595.b/voa2.m
Meth Date : 11-Apr-1995 21:31 arr Quant Type: ISTD
Cal Date : 05-APR-1995 16:39 Cal File: h2203.d
Als bottle: 11
Dil Factor: 10.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	10 Vinyl Acetate	43.00	5.400	5.841	(0.684)	553	0.4581	4.581(aQ)
	11 Methylene Chloride	49.00	5.971	5.946	(0.756)	7071	2.152	21.52(aQ)
*	17 Bromochloromethane	128.00	7.895	7.883	(1.000)	72009	50.00	
$	21 1,2-Dichloroethane-d4	65.00	8.539	8.527	(0.948)	82971	41.44	41.44(a)
	22 Benzene	78.00	8.591	8.580	(0.954)	9959	1.492	14.92(aQ)
*	24 1,4-Difluorobenzene	114.00	9.005	8.987	(1.000)	414086	50.00	
	30 4-Methyl-2-Pentanone	43.00	10.312	10.412	(0.859)	114127	47.91	479.1(Q)
$	31 Toluene-d8	98.00	10.542	10.523	(0.878)	311884	48.21	48.21(a)
*	39 Chlorobenzene-d5	117.00	12.006	12.001	(1.000)	324018	50.00	
	40 CHLOROBENZENE **	112.00	12.039	12.027	(1.003)	3599	0.5764	5.764(aQ)
	41 ETHYLBENZENE *	106.00	12.229	12.106	(1.019)	3932	1.318	13.18(aQ)
	42 p,m-Xylene	106.00	12.229	12.224	(1.019)	3932	1.000	10.00(a)
	43 o-Xylene	106.00	12.229	12.631	(1.019)	3932	1.008	10.08(a)
$	46 Bromofluorobenzene	95.00	13.182	13.170	(1.098)	232283	47.96	47.96(a)

QC Flag Legend

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

Data File: /wplcsdisk3/msv2.i/v040595.b/h2208.d

Date : 05-APR-95 19:03

Lab Sample ID:

Instrument: msv2.i

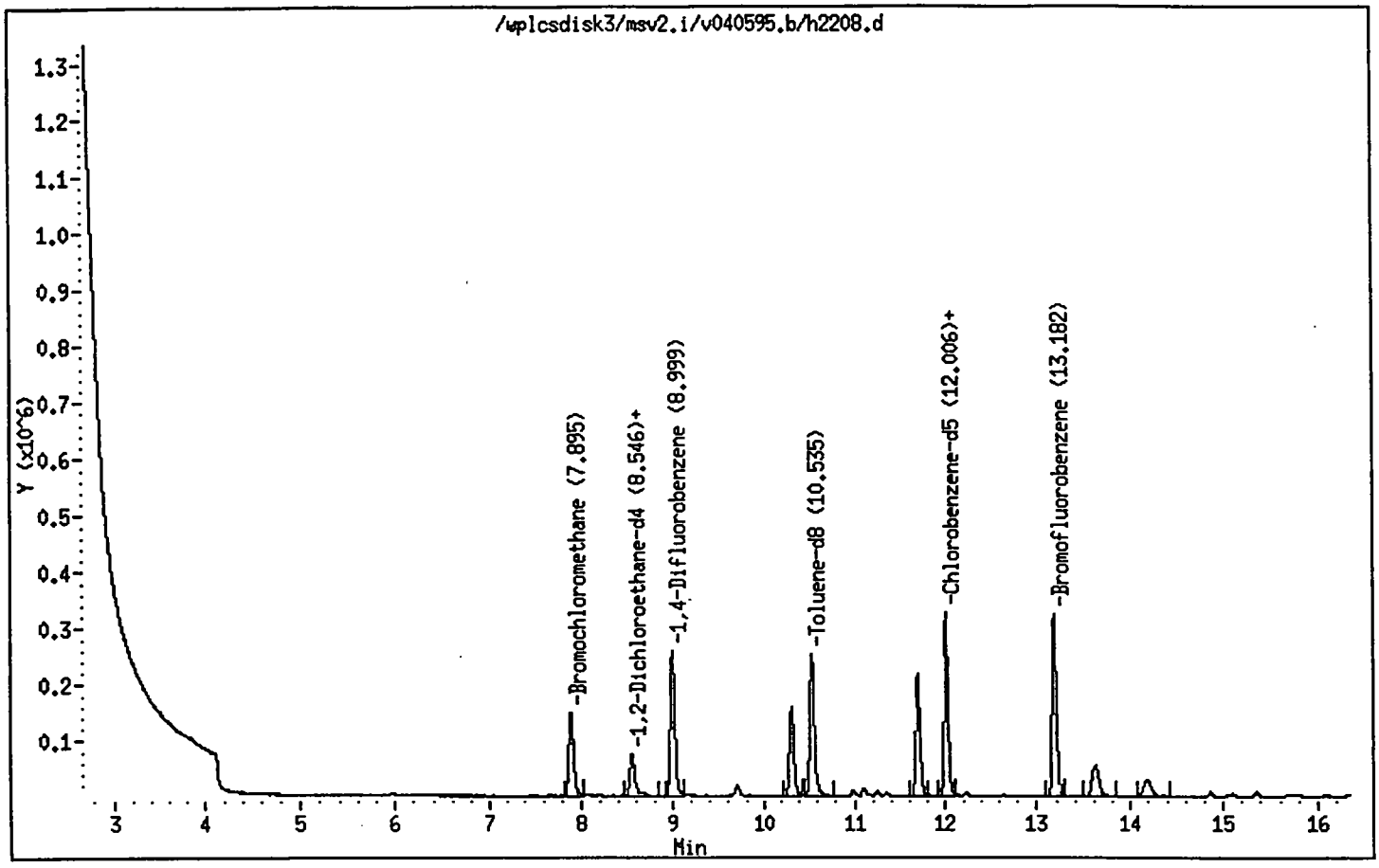
Sample Info: 950323-032 P R C

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msv2.i
Lab File ID: h2208.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk3/msv2.i/v040595.b/voa2.m
Misc Info: PRC/gr#9502320/TCLP/10DL/JS/950323-032

Calibration Date: 04/05/95
Calibration Time: 1639

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	73087	36544	146174	72009	-1.47
24 1,4-Difluorobenzene	396661	198330	793322	414086	4.39
39 Chlorobenzene-d5	331828	165914	663656	324018	-2.35

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	7.88	7.38	8.38	7.90	0.15
24 1,4-Difluorobenzene	8.99	8.49	9.49	9.01	0.21
39 Chlorobenzene-d5	12.00	11.50	12.50	12.01	0.04

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

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230033
CLIENT ID : SBA2-11
SAMPLE DATE: 03/22/95
SAMPLE TIME: 12:40

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 16:06
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

"**" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2157.d
Lab Smp Id:
Inj Date : 03-APR-95 16:06
Operator : Inst ID: msv2.i
Smp Info : 950323- 33 P R C
Misc Info : PRC/gr#9502320/TCLP/10DL/ARR/950323-33
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 13-Apr-1995 14:45 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 13
Dil Factor: 10.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
9	Acetone	43.00	5.349	5.501	(0.680)	6409	15.82	158.2(Q)
10	Vinyl Acetate	43.00	5.874	5.980	(0.746)	159	0.1751	1.751(aQ)
11	Methylene Chloride	49.00	5.960	6.092	(0.757)	58130	19.21	192.1
16	2-Butanone	43.00	7.641	7.780	(0.971)	10226	17.26	172.6(Q)
* 17	Bromochloromethane	128.00	7.871	8.009	(1.000)	66330	50.00	
$ 21	1,2-Dichloroethane-d4	65.00	8.514	8.653	(0.949)	81229	51.12	51.12(a)
22	Benzene	78.00	8.560	8.705	(0.954)	1008	0.1956	1.956(aQ)
* 24	1,4-Difluorobenzene	114.00	8.974	9.113	(1.000)	335233	50.00	
30	4-Methyl-2-Pentanone	43.00	10.294	10.524	(0.858)	112471	61.77	617.7(Q)
$ 31	Toluene-d8	98.00	10.517	10.643	(0.877)	305820	51.32	51.32(a)
* 39	Chlorobenzene-d5	117.00	11.994	12.107	(1.000)	299217	50.00	
40	CHLOROBENZENE **	112.00	12.021	12.140	(1.002)	4675	0.8823	8.823(aQ)
41	ETHYLBENZENE *	106.00	12.106	12.219	(1.009)	363	0.1417	1.417(aQ)
42	p,m-Xylene	106.00	12.205	12.337	(1.018)	692	0.2037	2.037(a)
43	o-Xylene	106.00	12.205	12.737	(1.018)	692	0.2060	2.060(a)
44	Styrene	104.00	12.638	12.751	(1.054)	10484	1.814	18.14(a)
$ 46	Bromofluorobenzene	95.00	13.170	13.276	(1.098)	236572	50.57	50.57(a)
48	1,3-Dichlorobenzene	146.00	14.372	14.392	(1.198)	804	0.1626	1.626(a)

QC Flag Legend

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

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2157.d

Date : 03-APR-95 16:06

Lab Sample ID:

Instrument: VOA2.i

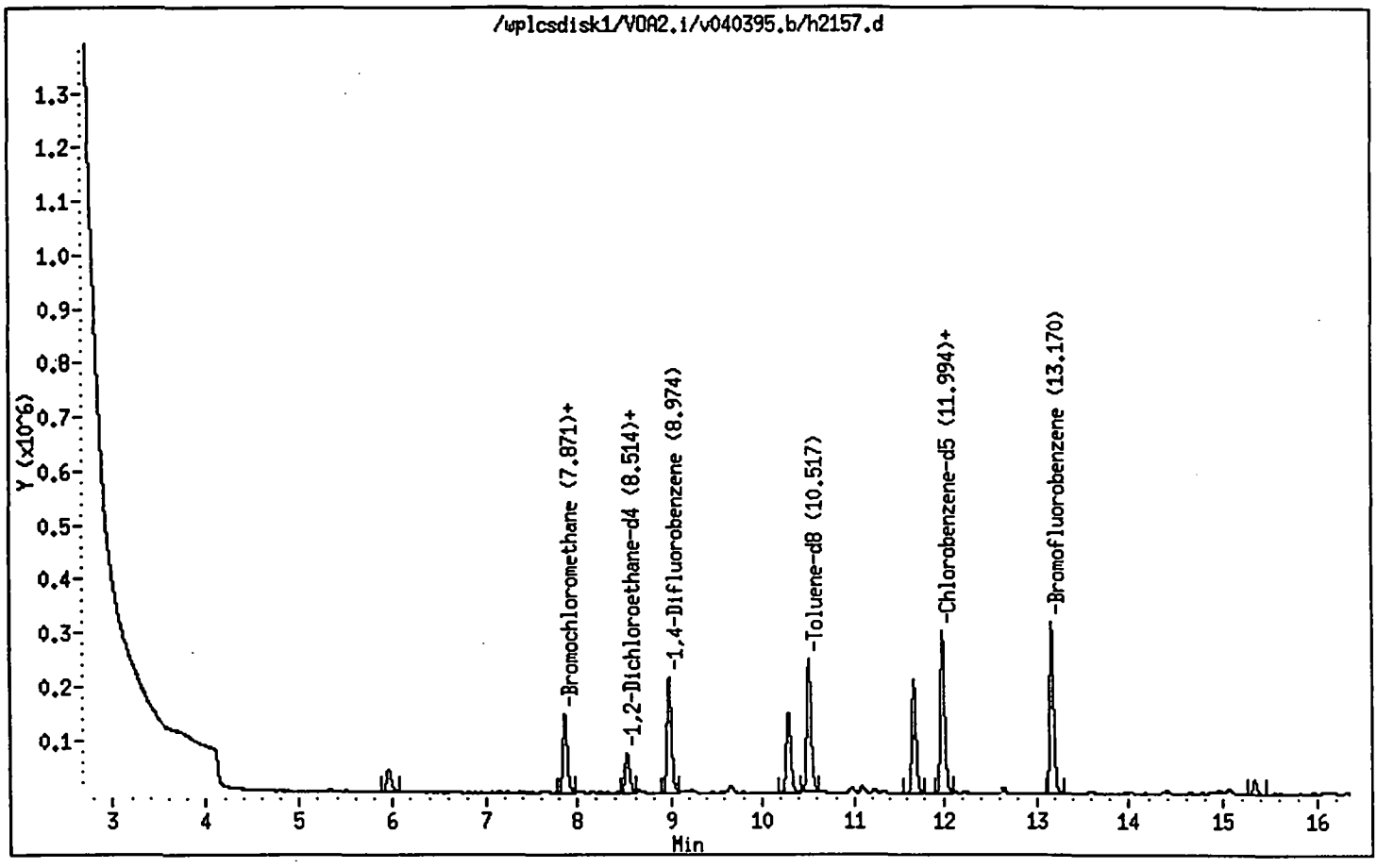
Sample Info: 950323- 33 P R C

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: VOA2.i
Lab File ID: h2157.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk1/VOA2.i/v040395.b/voa2.m
Misc Info: PRC/gr#9502320/TCLP/10DL/ARR/950323-33

Calibration Date: 04/03/95
Calibration Time: 0647

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	76973	38486	153946	66330	-13.83
24 1,4-Difluorobenzene	420730	210365	841460	339233	-19.37
39 Chlorobenzene-d5	350520	175260	701040	299217	-14.64

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	8.01	7.51	8.51	7.87	-1.73
24 1,4-Difluorobenzene	9.11	8.61	9.61	8.97	-1.52
39 Chlorobenzene-d5	12.11	11.61	12.61	11.99	-0.93

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.

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :

SAMPLE NO : 9503230034
CLIENT ID : SBA2-10
SAMPLE DATE: 03/22/95
SAMPLE TIME: 12:50

REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

ANALYST: arr

ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 16:30

PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

"**" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2158.d
Lab Smp Id:
Inj Date : 03-APR-95 16:30
Operator : Inst ID: msv2.i
Smp Info : 950323- 34 P R C
Misc Info : PRC/gr#9502320/TCLP/10DL/ARR/950323-34
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 13-Apr-1995 14:45 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 14
Dil Factor: 10.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	9 Acetone	43.00	5.329	5.501	(0.678)	7401	17.82	178.2(Q)
	11 Methylene Chloride	49.00	5.952	6.092	(0.758)	10949	3.529	35.29(aQ)
*	17 Bromochloromethane	128.00	7.857	8.009	(1.000)	68010	50.00	
$	21 1,2-Dichloroethane-d4	65.00	8.494	8.653	(0.949)	65459	37.97	37.97(aR)
	22 Benzene	78.00	8.540	8.705	(0.954)	2164	0.3870	3.870(aQ)
*	24 1,4-Difluorobenzene	114.00	8.953	9.113	(1.000)	368057	50.00	
	30 4-Methyl-2-Pentanone	43.00	10.280	10.524	(0.858)	121136	63.81	638.1(Q)
$	31 Toluene-d8	98.00	10.503	10.643	(0.877)	309263	49.78	49.78(a)
	32 TOLUENE *	91.00	10.575	10.708	(0.883)	54942	7.822	78.22(aQ)
*	39 Chlorobenzene-d5	117.00	11.981	12.107	(1.000)	311949	50.00	
	40 CHLOROBENZENE **	112.00	12.014	12.140	(1.003)	4492	0.8132	8.132(aQ)
	41 ETHYLBENZENE *	106.00	12.099	12.219	(1.010)	761	0.2850	2.850(aQ)
	42 p,m-Xylene	106.00	12.204	12.337	(1.019)	6233	1.760	17.60(a)
	43 o-Xylene	106.00	12.618	12.737	(1.053)	1654	0.4724	4.724(a)
	44 Styrene	104.00	12.637	12.751	(1.055)	2611	0.4333	4.333(a)
$	46 Bromofluorobenzene	95.00	13.163	13.276	(1.099)	237590	49.98	49.98(a)

QC Flag Legend

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

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2158.d

Date : 03-APR-95 16:30

Lab Sample ID:

Instrument: VOA2.i

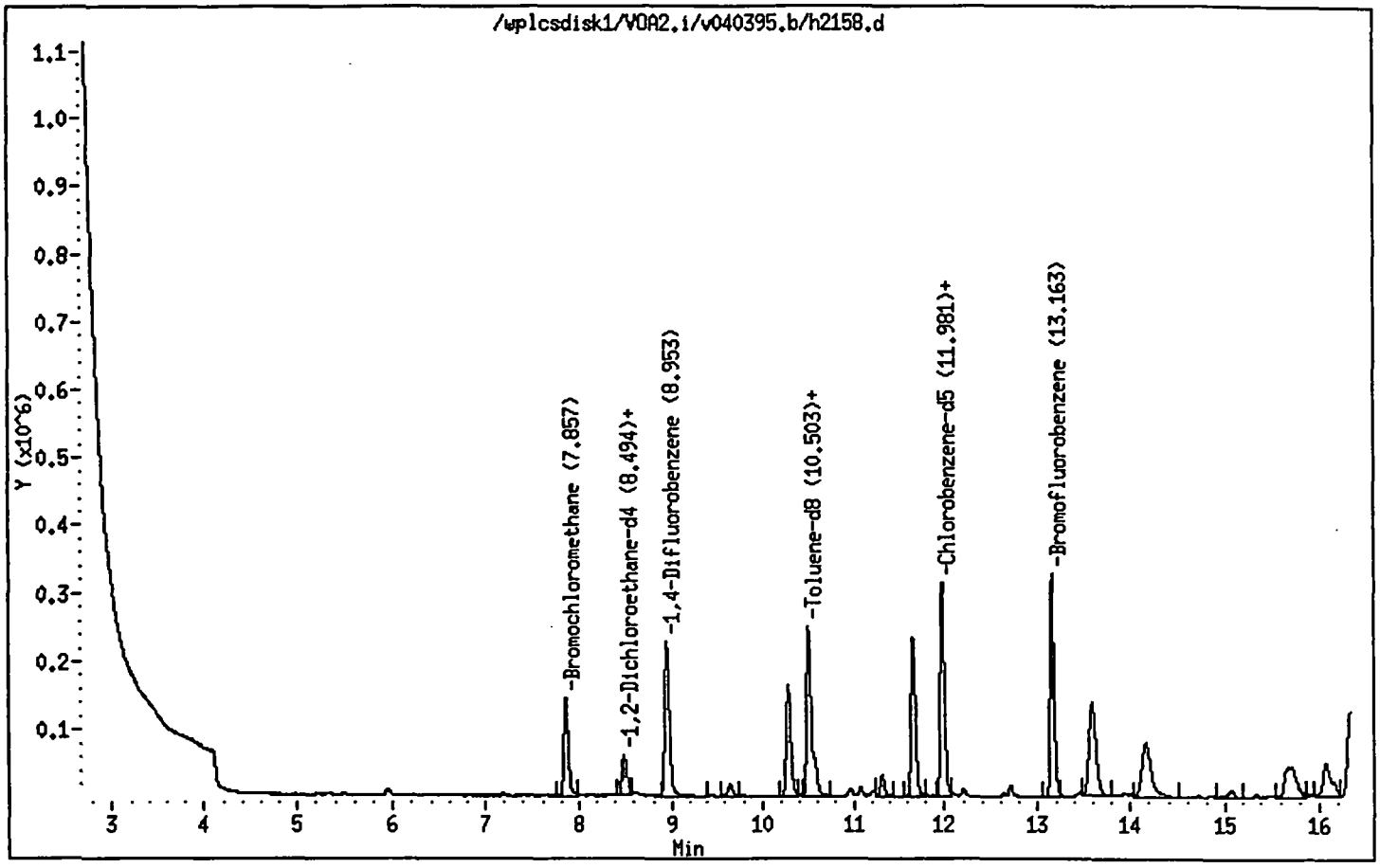
Sample Info: 950323- 34 P R C

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: VOA2.i
Lab File ID: h2158.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk1/VOA2.i/v040395.b/voa2.m
Misc Info: PRC/gr#9502320/TCLP/10DL/ARR/950323-34

Calibration Date: 04/03/95
Calibration Time: 0647

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	76973	38486	153946	68010	-11.64
24 1,4-Difluorobenzene	420730	210365	841460	368057	-12.52
39 Chlorobenzene-d5	350520	175260	701040	311949	-11.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	8.01	7.51	8.51	7.86	-1.91
24 1,4-Difluorobenzene	9.11	8.61	9.61	8.95	-1.75
39 Chlorobenzene-d5	12.11	11.61	12.61	11.98	-1.04

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

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : WATER
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230035
CLIENT ID : SBA2-TB01
SAMPLE DATE: 03/22/95
SAMPLE TIME:

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 17:20
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2160.d
Lab Smp Id:
Inj Date : 03-APR-95 17:20
Operator : Inst ID: msv2.i
Smp Info : 950323- 35 WATER P R C
Misc Info : PRC/gr#9502320/TCLP/10DL/ARR/950323-35 WATER
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 13-Apr-1995 14:45 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 16
Dil Factor: 10.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	11 Methylene Chloride	49.00	5.947	6.092	(0.757)	6618	2.239	22.39(aQ)
*	17 Bromochloromethane	128.00	7.851	8.009	(1.000)	64785	50.00	
$	21 1,2-Dichloroethane-d4	65.00	8.495	8.653	(0.949)	62860	37.94	37.94(aR)
*	24 1,4-Difluorobenzene	114.00	8.955	9.113	(1.000)	353775	50.00	
$	31 Toluene-d8	98.00	10.504	10.643	(0.877)	300922	50.88	50.88(a)
*	39 Chlorobenzene-d5	117.00	11.982	12.107	(1.000)	296936	50.00	
	40 CHLOROBENZENE **	112.00	12.008	12.140	(1.002)	4789	0.9108	9.108(aQ)
$	46 Bromofluorobenzene	95.00	13.164	13.276	(1.099)	216493	47.84	47.84(a)
	48 1,3-Dichlorobenzene	146.00	14.280	14.392	(1.192)	553	0.1127	1.127(a)
	49 1,4-Dichlorobenzene	146.00	14.372	14.478	(1.199)	1349	0.2555	2.555(aQ)
	50 1,2-Dichlorobenzene	146.00	14.372	14.872	(1.199)	1349	0.2919	2.919(aQ)

QC Flag Legend

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

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2160.d

Date : 03-APR-95 17:20

Lab Sample ID:

Instrument: VOA2.i

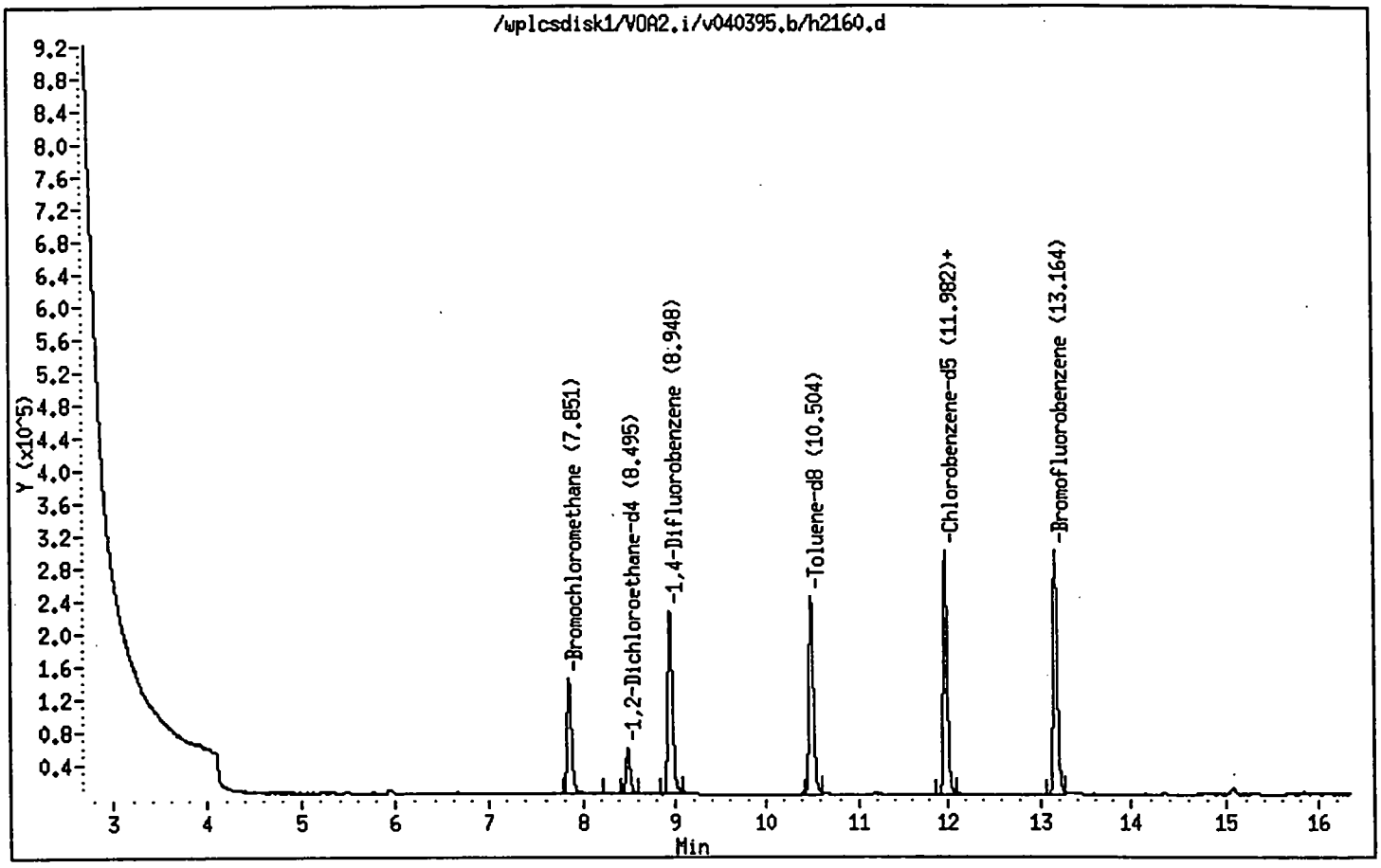
Sample Info: 950323- 35 WATER P R C

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: VOA2.i
Lab File ID: h2160.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk1/VOA2.i/v040395.b/voa2.m
Misc Info: PRC/gr#9502320/TCLP/10DL/ARR/950323-35 WATER

Calibration Date: 04/03/95
Calibration Time: 0647

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	76973	38486	153946	64785	-15.83
24 1,4-Difluorobenzene	420730	210365	841460	353775	-15.91
39 Chlorobenzene-d5	350520	175260	701040	296936	-15.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	8.01	7.51	8.51	7.85	-1.97
24 1,4-Difluorobenzene	9.11	8.61	9.61	8.95	-1.73
39 Chlorobenzene-d5	12.11	11.61	12.61	11.98	-1.03

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.

SURROGATE DETAIL RESULTS

Sample#: 9503230021 Client ID: SBA2-FB01
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	100	88 - 110	ZHE 1311/8240
1,2-Dichloroethane-d4	90	76 - 114	ZHE 1311/8240
4-Bromofluorobenzene	99	86 - 115	ZHE 1311/8240

Sample#: 9503230022 Client ID: SBA2-01
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	102	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	78	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	104	74 - 121	ZHE 1311/8240

Sample#: 9503230023 Client ID: SBA2-02
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	107	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	104	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	110	74 - 121	ZHE 1311/8240

Sample#: 9503230024 Client ID: SBA2-03
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	102	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	95	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	103	74 - 121	ZHE 1311/8240

Sample#: 9503230025 Client ID: SBA2-04
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	99	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	102	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	105	74 - 121	ZHE 1311/8240

SURROGATE DETAIL RESULTS

Sample#: 9503230026 Client ID: SBA2-04 MS
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	102	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	77	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	106	74 - 121	ZHE 1311/8240

Sample#: 9503230027 Client ID: SBA2-04 MSD
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	100	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	83	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	103	74 - 121	ZHE 1311/8240

Sample#: 9503230028 Client ID: SBA2-05
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	106	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	81	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	109	74 - 121	ZHE 1311/8240

Sample#: 9503230029 Client ID: SBA2-06
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	98	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	74	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	99	74 - 121	ZHE 1311/8240

Sample#: 9503230030 Client ID: SBA2-09
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	97	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	80	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

SURROGATE DETAIL RESULTS

Sample#: 9503230031 Client ID: SBA2-08
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	99	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	73	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	103	74 - 121	ZHE 1311/8240

Sample#: 9503230032 Client ID: SBA2-07
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	96	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	83	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	96	74 - 121	ZHE 1311/8240

Sample#: 9503230033 Client ID: SBA2-11
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	103	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	102	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	101	74 - 121	ZHE 1311/8240

Sample#: 9503230034 Client ID: SBA2-10
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	100	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	76	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	100	74 - 121	ZHE 1311/8240

Sample#: 9503230035 Client ID: SBA2-TB01
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	102	88 - 110	ZHE 1311/8240
1,2-Dichloroethane-d4	76	76 - 114	ZHE 1311/8240
4-Bromofluorobenzene	96	86 - 115	ZHE 1311/8240

Inchcape Testing Services
Environmental Laboratories

ANALYTICAL RESULTS FOR SAMPLES TESTED BY

INCHCAPE TESTING SERVICES

ENVIRONMENTAL LABORATORIES

BATON ROUGE

REPORT TO: PRC ENVIRONMENTAL MGMT/DALLAS
1 DALLAS CENTER
350 N ST PAUL ST, STE 2600
DALLAS , TX 75201

ATTENTION: JOAN MIDDLETON
CLIENT ID: 2291
GROUP NO : 9502320

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS
1 DALLAS CENTER
350 N ST PAUL ST, STE 2600
DALLAS, TX 75201

GROUP NO. : 9502320
PROJECT NO.:
REPORT DATE: 04/14/95

SAMPLE IDENTIFICATION CROSS REFERENCE

Inchcape Testing Service Identification	Client Identification	Matrix	Collection Date	Collection Time
9503230021	SBA2-FB01	WATER	03/22/95	1025
9503230022	SBA2-01	SLUDGE	03/22/95	1050
9503230023	SBA2-02	SLUDGE	03/22/95	1100
9503230024	SBA2-03	SLUDGE	03/22/95	1105
9503230025	SBA2-04	SLUDGE	03/22/95	1110
9503230026	SBA2-04MS	SLUDGE	03/22/95	1110
9503230027	SBA2-04MSD	SLUDGE	03/22/95	1110
9503230028	SBA2-05	SLUDGE	03/22/95	1125
9503230029	SBA2-06	SLUDGE	03/22/95	1135
9503230030	SBA2-09	SLUDGE	03/22/95	1200
9503230031	SBA2-08	SLUDGE	03/22/95	1205
9503230032	SBA2-07	SLUDGE	03/22/95	1220
9503230033	SBA2-11	SOIL	03/22/95	1240
9503230034	SBA2-10	SOIL	03/22/95	1250
9503230035	SBA2-TB01	WATER	03/22/95	Not Applicable

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Inchcape Testing Services
Environmental Laboratories

CASE NARRATIVE

Client: PRC ENVIRONMENTAL MGMT/DALLAS **Group No:** 9502320
Date: 04/14/95 Page: 1 of 1

ORGANIC QUALITY CONTROL CRITERIA:

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were within quality control criteria.

Instrument Calibration: Both the initial and continuing calibrations were within method quality control criteria.

Surrogate Spikes: All surrogate recoveries were within quality control criteria.

Matrix Spike/Matrix Spike Duplicate (MS/MSD): In the matrix spike and matrix spike duplicate recoveries and RPD limits for Benzene and Toluene were outside limits. These results were outside limits due to the concentration of these compounds present in the sample.

All other MS/MSD recoveries were found to be within quality control limits.

Internal Standard Responses: All internal standard responses met method quality control criteria.

Analysis Comments: No unusual analytical problems were encountered during the analysis of these samples.

West-Paine Laboratories is pleased to have had the opportunity of providing this analytical characterization and is eager to assist you with any future requirements.

Inchcape Testing Services/Environmental Laboratories

Charles P. Byrne, General Manager

4/20/95
Date

ppe

Inchcape Testing Services
Environmental Laboratories

Sample receipt at Inchcape Testing Services is documented for your designated sample(s). Chain-of-custody documentation, if provided, is included in this report.

Sample analysis was performed in accordance with Environmental Protection Agency protocol or other approved methods. All Quality Control criteria was found to be within Method Control Limits unless otherwise noted.

This report may contain the following abbreviations:

< DL	= Result is less than the Detection Limit
DO	= Diluted Out
NA	= Not Applicable
ND	= Not Detected
MI	= Matrix Interference
TNTC	= Too Numerous to Count

In accordance with ISO Guide 25, this report shall not be reproduced except in full, without the written permission of Inchcape Testing Services. The results herein relate only to the sample(s) tested. Documented results are shown on the following page(s).

We appreciate this opportunity to provide you with this analytical service. If we can be of further assistance, please do not hesitate to contact us at (504)769-4900.

Charles P. Byrne
General Manager
Vice President

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS
1 DALLAS CENTER
350 N ST PAUL ST, STE 2600
DALLAS, TX 75201

GROUP NO. : 9502320
REPORT DATE: 04/14/95

METHODS & REFERENCES

A. Test Methods for Evaluating Solid Waste, SW-846, November, 1986, 3rd Ed.

Parameter	Method
Volatiles	ZHE 1311/8240

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS
1 DALLAS CENTER
350 N ST PAUL ST, STE 2600
DALLAS, TX 75201

GROUP NO. : 9502320
REPORT DATE: 04/14/95

METHODS & REFERENCES

A. Test Methods for Evaluating Solid Waste, SW-846, Novmeber, 1986, 3rd Ed.

Parameter	Method
Volatiles	ZHE 1311/8240

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : WATER
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230021
CLIENT ID : SBA2-FB01
SAMPLE DATE: 03/22/95
SAMPLE TIME: 10:25

ANALYST: arr
ANALYSIS DATE: 04/05/95
ANALYSIS TIME: 18:14
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040595.b/h2206.d
Lab Smp Id:
Inj Date : 05-APR-1995 18:14
Operator : Inst ID: msv2.i
Smp Info : 950323-021 P R C
Misc Info : PRC/gr#9502320/TCLP/10DL/JS/950323-021
Comment :
Method : /wplcsdisk3/msv2.i/v040595.b/voa2.m
Meth Date : 11-Apr-1995 21:31 arr Quant Type: ISTD
Cal Date : 05-APR-1995 16:39 Cal File: h2203.d
Als bottle: 9
Dil Factor: 10.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	11 Methylene Chloride	49.00	5.974	5.946	(0.756)	4763	1.455	14.55(aQ)
*	17 Bromochloromethane	128.00	7.905	7.883	(1.000)	71715	50.00	
$	21 1,2-Dichloroethane-d4	65.00	8.555	8.527	(0.949)	87895	44.84	44.84(a)
*	24 1,4-Difluorobenzene	114.00	9.014	8.987	(1.000)	405462	50.00	
$	31 Toluene-d8	98.00	10.551	10.523	(0.878)	324227	50.12	50.12(a)
	35 Tetrachloroethene	164.00	11.162	11.154	(0.929)	744	0.2747	2.747(aQ)
*	39 Chlorobenzene-d5	117.00	12.015	12.001	(1.000)	323992	50.00	
	40 CHLOROBENZENE **	112.00	12.048	12.027	(1.003)	3799	0.6084	6.084(aQ)
$	46 Bromofluorobenzene	95.00	13.191	13.170	(1.098)	239012	49.36	49.36(a)
	48 1,3-Dichlorobenzene	146.00	14.294	14.286	(1.190)	529	0.09449	0.9449(a)

QC Flag Legend

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

Data File: /wplcsdisk3/msv2.i/v040595.b/h2206.d

Date : 05-APR-95 18:14

Lab Sample ID:

Instrument: msv2.i

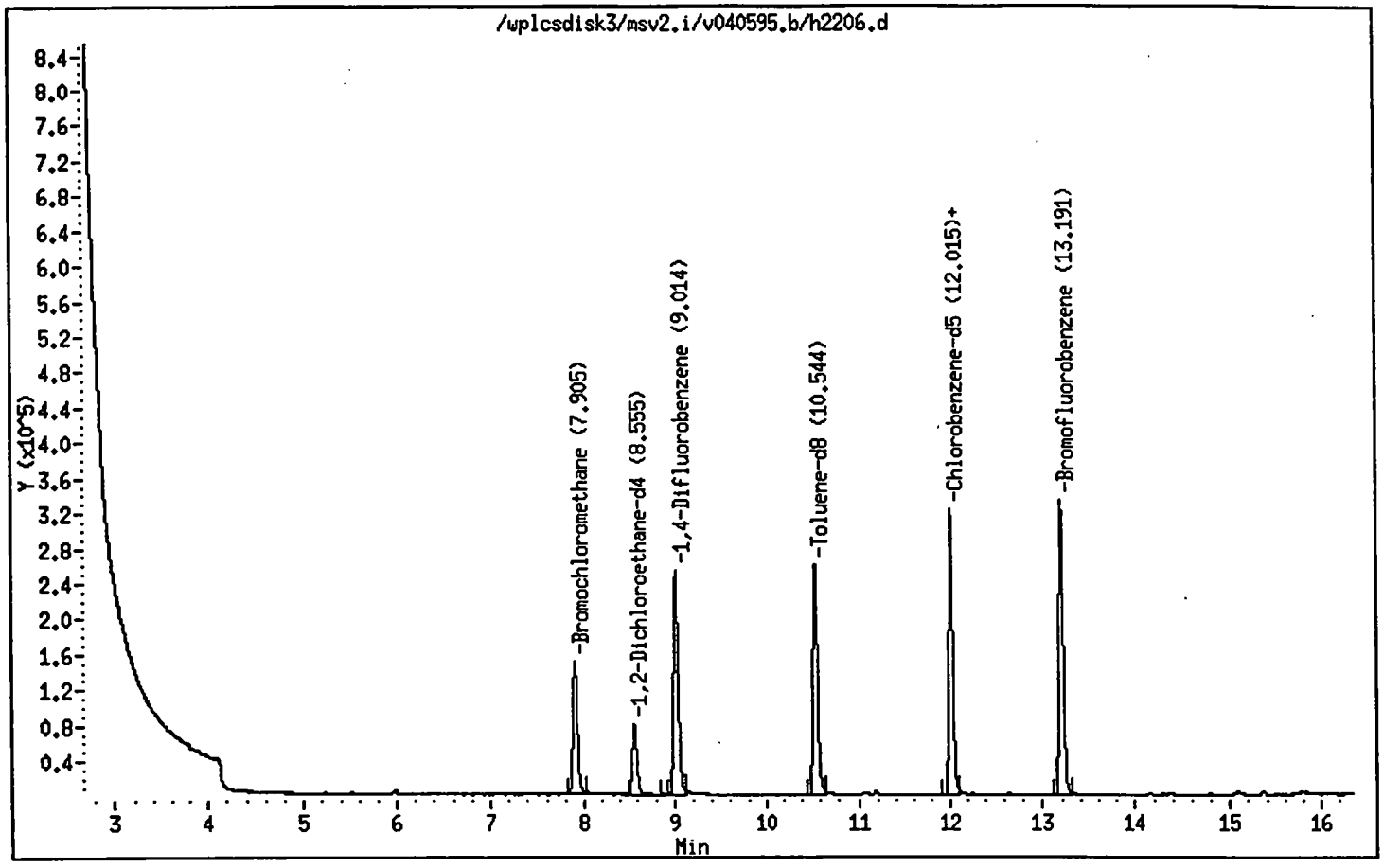
Sample Info: 950323-021 P R C

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msv2.i
Lab File ID: h2206.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk3/msv2.i/v040595.b/voa2.m
Misc Info: PRC/gr#9502320/TCLP/10DL/JS/950323-021

Calibration Date: 04/05/95
Calibration Time: 1639

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	73087	36544	146174	71715	-1.88
24 1,4-Difluorobenzene	396661	198330	793322	405462	2.22
39 Chlorobenzene-d5	331828	165914	663656	323992	-2.36

D

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	7.88	7.38	8.38	7.90	0.27
24 1,4-Difluorobenzene	8.99	8.49	9.49	9.01	0.31
39 Chlorobenzene-d5	12.00	11.50	12.50	12.02	0.12

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.

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230022
CLIENT ID : SBA2-01
SAMPLE DATE: 03/22/95
SAMPLE TIME: 10:50

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 11:34
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.486	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

"**" DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000011

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2146.d
Lab Smp Id:
Inj Date : 03-APR-95 11:34
Operator : Inst ID: msv2.i
Smp Info : 950323- 22 P R C
Misc Info : PRC/gr#9502320/TCLP/10DL/ARR/950323-22
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 13-Apr-1995 14:45 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 2
Dil Factor: 10.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
9	Acetone	43.00	5.395	5.501	(0.681)	3640	9.522	95.22(aQ)
10	Vinyl Acetate	43.00	5.979	5.980	(0.755)	559	0.6522	6.522(aQ)
11	Methylene Chloride	49.00	6.025	6.092	(0.760)	10500	3.677	36.77(a)
* 17	Bromochloromethane	128.00	7.923	8.009	(1.000)	62597	50.00	
$ 21	1,2-Dichloroethane-d4	65.00	8.566	8.653	(0.949)	59098	39.01	39.01(a)
22	Benzene	78.00	8.612	8.705	(0.954)	238497	48.55	485.5(Q)
* 24	1,4-Difluorobenzene	114.00	9.026	9.113	(1.000)	323408	50.00	
30	4-Methyl-2-Pentanone	43.00	10.339	10.524	(0.859)	58911	33.78	337.8(Q)
$ 31	Toluene-d8	98.00	10.563	10.643	(0.877)	290378	50.88	50.88(a)
32	TOLUENE *	91.00	10.635	10.708	(0.883)	291070	45.11	451.1
* 39	Chlorobenzene-d5	117.00	12.040	12.107	(1.000)	286534	50.00	
41	ETHYLBENZENE *	106.00	12.158	12.219	(1.010)	15340	6.255	62.55(a)
42	p,m-Xylene	106.00	12.263	12.337	(1.019)	152230	46.79	467.9
43	o-Xylene	106.00	12.671	12.737	(1.052)	64098	19.93	199.3
44	Styrene	104.00	12.684	12.751	(1.053)	15822	2.859	28.59(aQ)
$ 46	Bromofluorobenzene	95.00	13.216	13.276	(1.098)	227709	52.15	52.15(a)

QC Flag Legend

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

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2146.d

Date : 03-APR-95 11:34

Lab Sample ID:

Instrument: VOA2.i

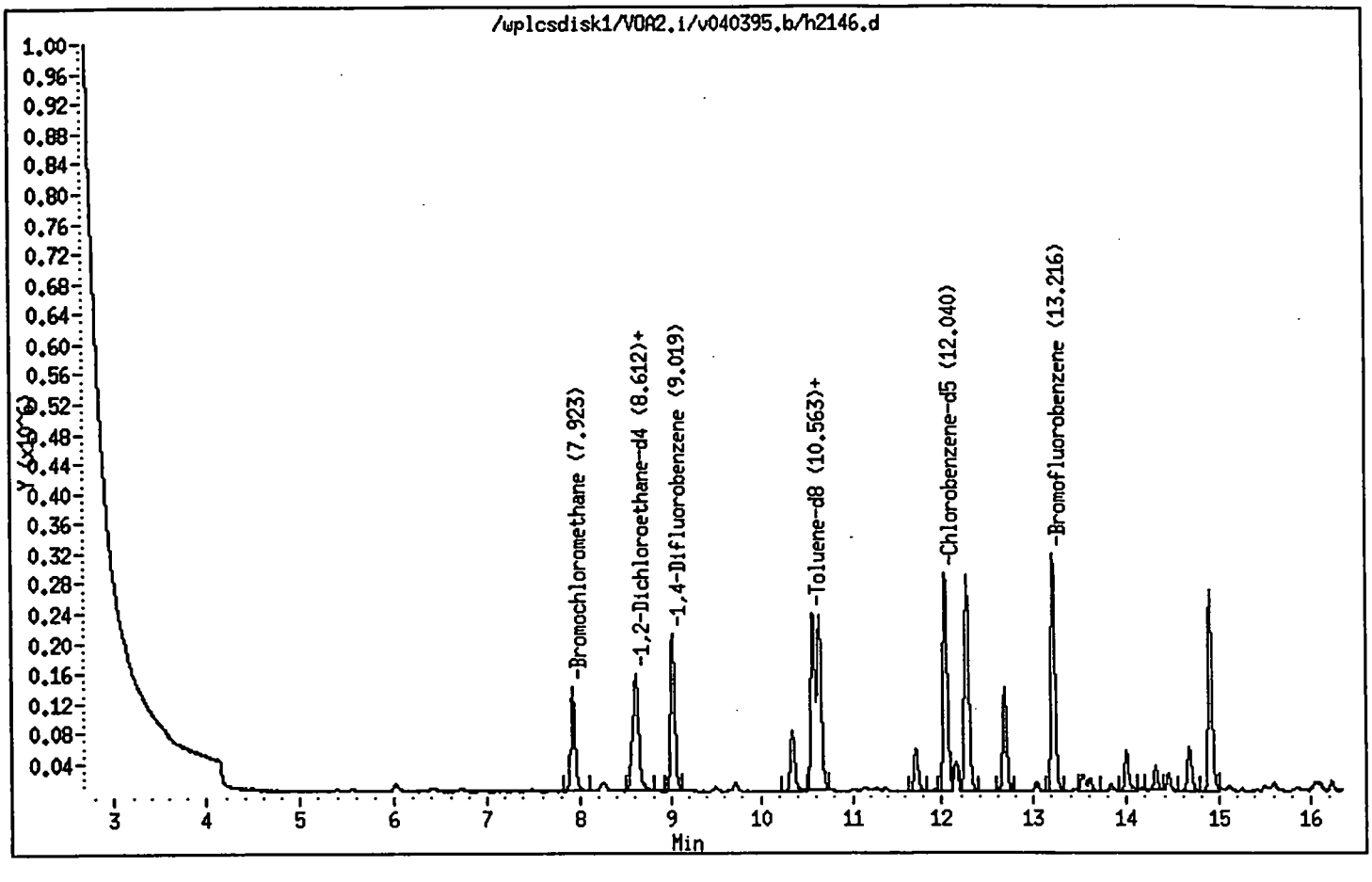
Sample Info: 950323- 22 P R C

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Data File: /wplcsdisk1/VOA2.i/v040395.b/h2146.d

Date : 03-APR-95 11:34

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 950323- 22 P R C

Purge Volume: 5.0

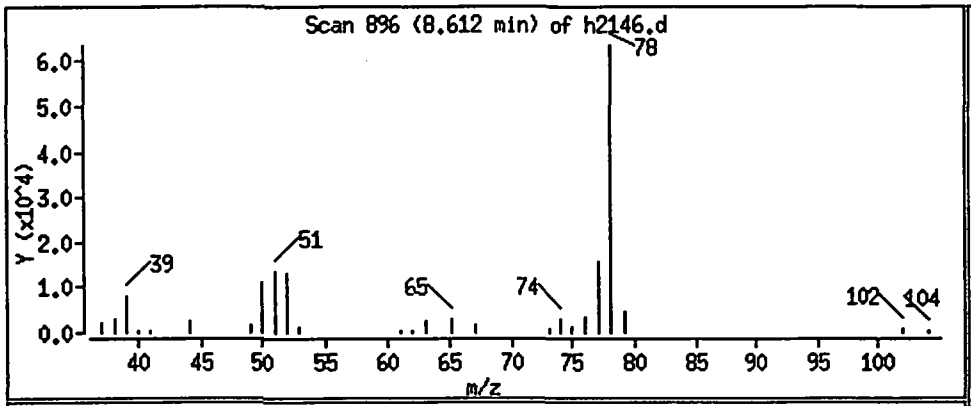
Operator:

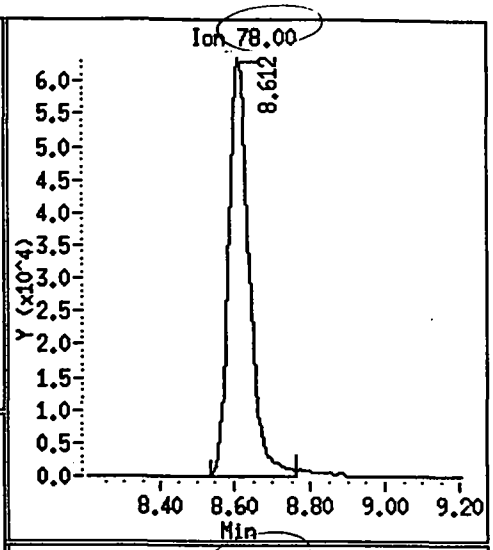
Column phase: DB-624

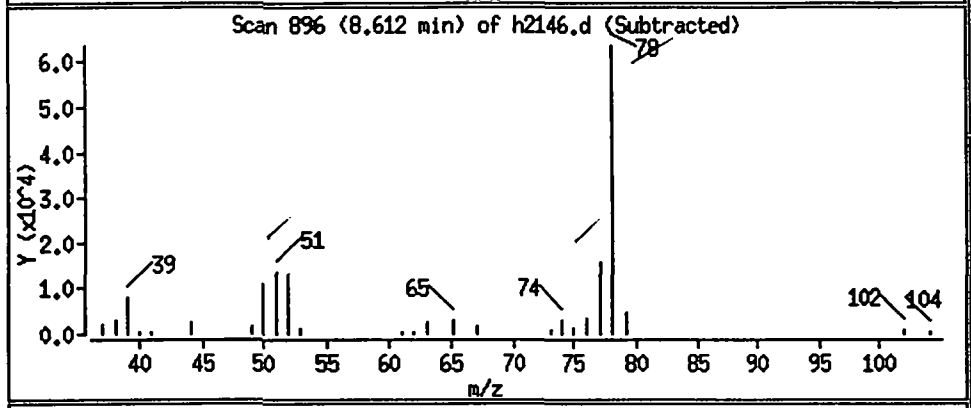
Column diameter: 0.53

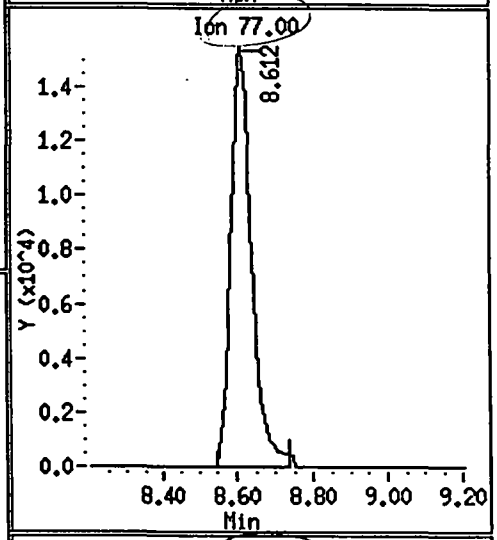
OK ARF

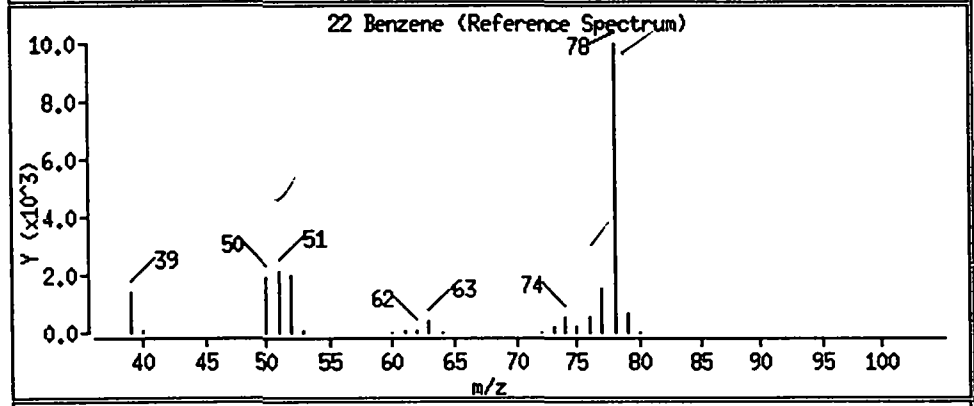
22 Benzene

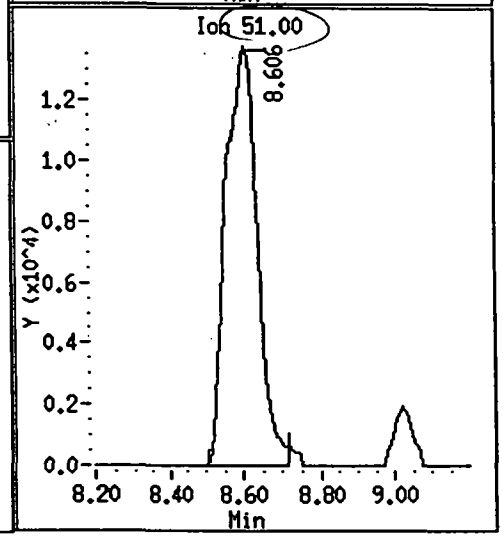


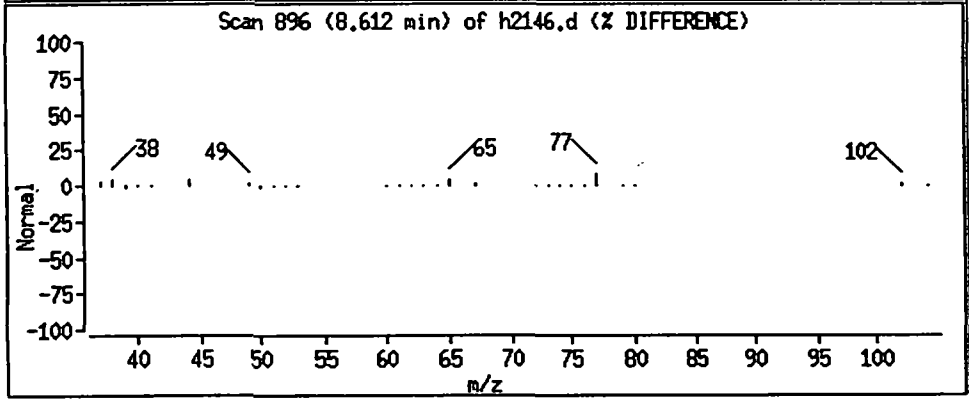












Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: VOA2.i
Lab File ID: h2146.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk1/VOA2.i/v040395.b/voa2.m
Misc Info: PRC/gr#9502320/TCLP/10DL/ARR/950323-22

Calibration Date: 04/03/95
Calibration Time: 0647

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	76973	38486	153946	62597	-18.68
24 1,4-Difluorobenzene	420730	210365	841460	323408	-23.13
39 Chlorobenzene-d5	350520	175260	701040	286534	-18.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	8.01	7.51	8.51	7.92	-1.08
24 1,4-Difluorobenzene	9.11	8.61	9.61	9.03	-0.95
39 Chlorobenzene-d5	12.11	11.61	12.61	12.04	-0.55

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.

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230023
CLIENT ID : SBA2-02
SAMPLE DATE: 03/22/95
SAMPLE TIME: 11:00

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 11:59
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	1.40*	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	0.683*	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2147.d
Lab Smp Id:
Inj Date : 03-APR-95 11:59
Operator : Inst ID: msv2.i
Smp Info : 950323- 23 P R C
Misc Info : PRC/gr#9502320/TCLP/10DL/ARR/950323-23
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 13-Apr-1995 14:45 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 3
Dil Factor: 10.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	2 VINYL CHLORIDE *	62.00	3.110	3.203	(0.394)	96852	68.30	683.0(Q)
	9 Acetone	43.00	5.369	5.501	(0.680)	6586	15.02	150.2(Q)
	10 Vinyl Acetate	43.00	5.894	5.980	(0.746)	324	0.3297	3.297(aQ)
	11 Methylene Chloride	49.00	5.986	6.092	(0.758)	9708	2.965	29.65(a)
	14 1,1-DICHLORETHANE **	63.00	6.918	7.024	(0.876)	19861	5.197	51.97(aQ)
	15 cis-1,2-Dichloroethene	61.00	7.614	7.727	(0.964)	211645	69.54	695.4
*	17 Bromochloromethane	128.00	7.897	8.009	(1.000)	71775	50.00	
	18 CHLOROFORM *	83.00	7.989	8.101	(1.012)	2543	0.7154	7.154(aQ)
$	21 1,2-Dichloroethane-d4	65.00	8.547	8.653	(0.950)	90469	51.75	51.75(a)
	22 Benzene	78.00	8.593	8.705	(0.955)	790729	139.5	1395(Q)
*	24 1,4-Difluorobenzene	114.00	9.000	9.113	(1.000)	373207	50.00	
	29 cis-1,3-Dichloropropene	75.00	10.602	10.373	(1.178)	4122	1.230	12.30(aQ)
	30 4-Methyl-2-Pentanone	43.00	10.313	10.524	(0.859)	74570	38.55	385.5(Q)
$	31 Toluene-d8	98.00	10.537	10.643	(0.877)	337832	53.36	53.36(a)
	32 TOLUENE *	91.00	10.602	10.708	(0.883)	817961	114.3	1143
*	39 Chlorobenzene-d5	117.00	12.008	12.107	(1.000)	317887	50.00	
	40 CHLOROBENZENE **	112.00	12.034	12.140	(1.002)	4039	0.7175	7.175(aQ)
	41 ETHYLBENZENE *	106.00	12.119	12.219	(1.009)	33005	12.13	121.3
	42 p,m-Xylene	106.00	12.231	12.337	(1.019)	249028	69.00	690.0
	43 o-Xylene	106.00	12.638	12.737	(1.052)	104442	29.27	292.7
	44 Styrene	104.00	12.651	12.751	(1.054)	44097	7.182	71.82(aQ)
$	46 Bromofluorobenzene	95.00	13.176	13.276	(1.097)	265940	54.90	54.90(a)
	48 1,3-Dichlorobenzene	146.00	14.385	14.392	(1.198)	328	0.06246	0.6246(a)

QC Flag Legend

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

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2147.d

Date : 03-APR-95 11:59

Lab Sample ID:

Instrument: VOA2.i

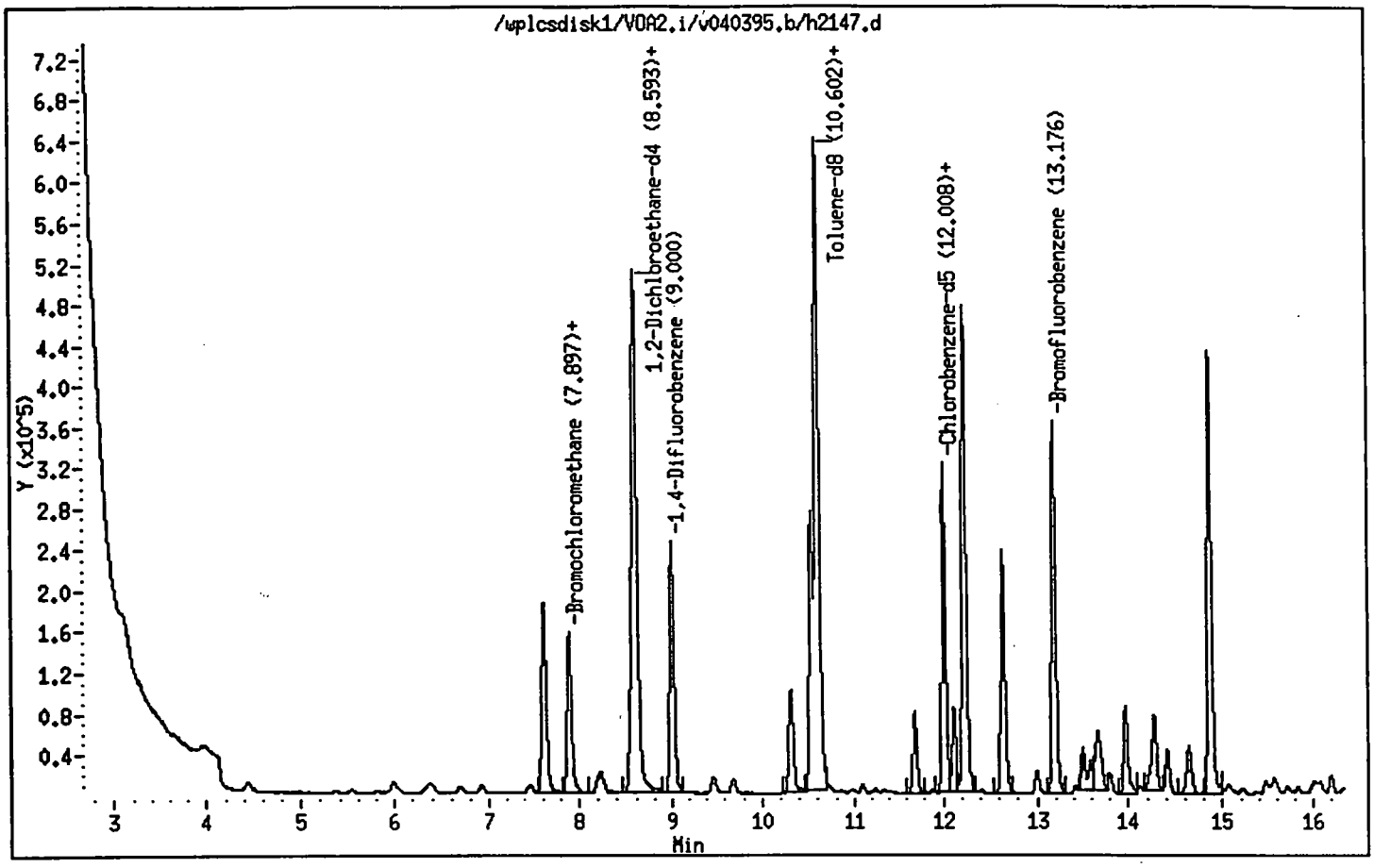
Sample Info: 950323- 23 P R C

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Data File: /wplcsdisk1/VOA2.i/v040395.b/h2147.d

Date : 03-APR-95 11:59

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 950323- 23 P R C

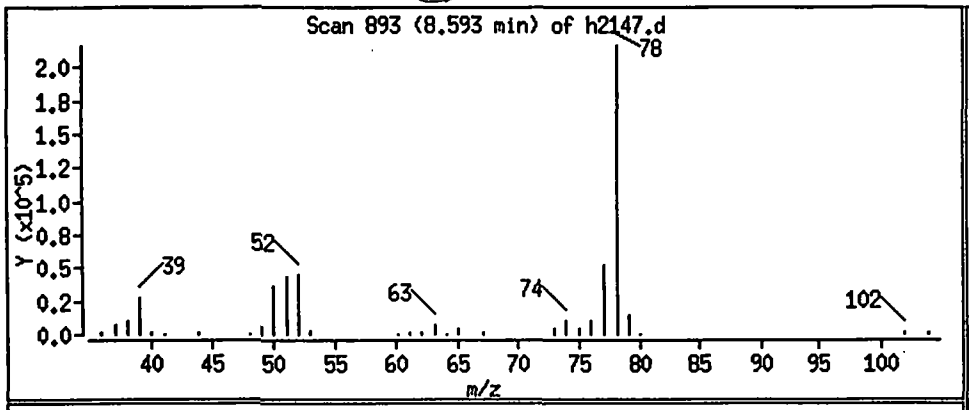
Purge Volume: 5.0

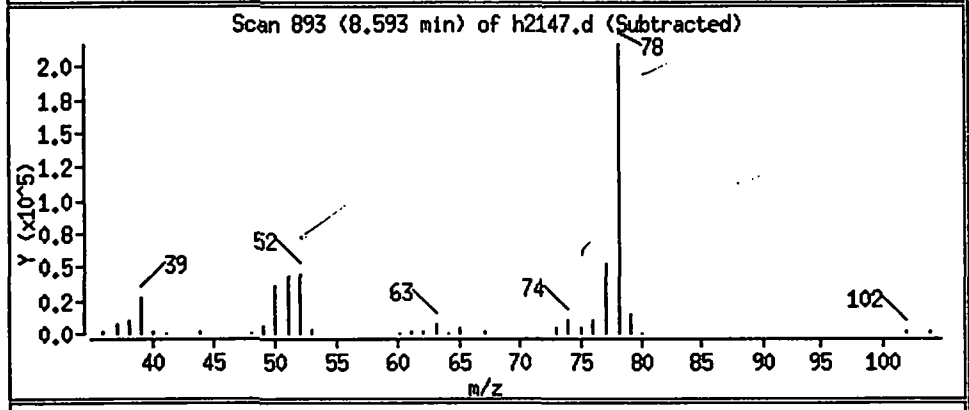
Operator:

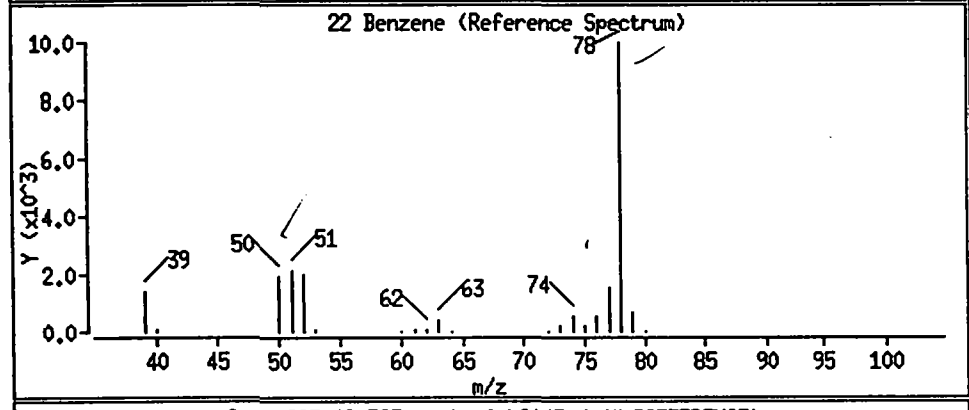
Column phase: DB-624

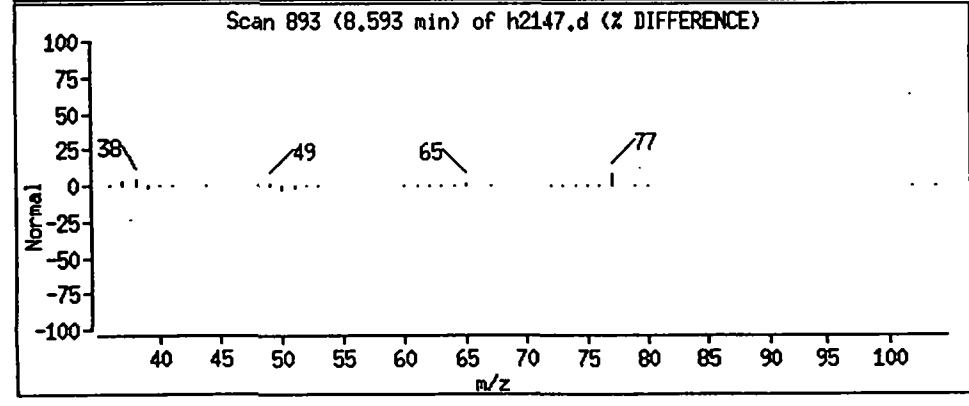
Column diameter: 0.53

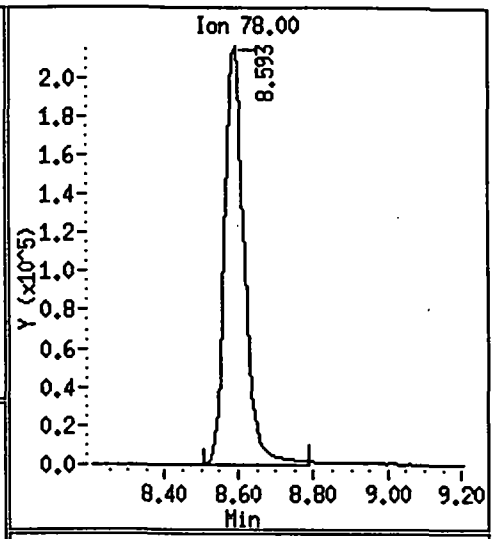
22 Benzene

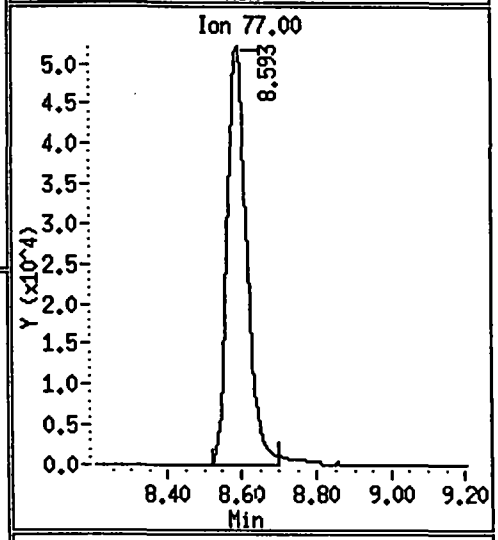


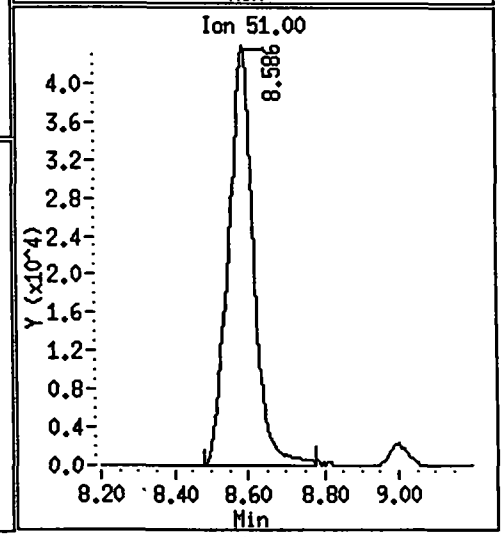












Data File: /uplcsdisk1/VOA2.i/v040395.b/h2147.d

Date : 03-APR-95 11:59

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 950323- 23 P R C

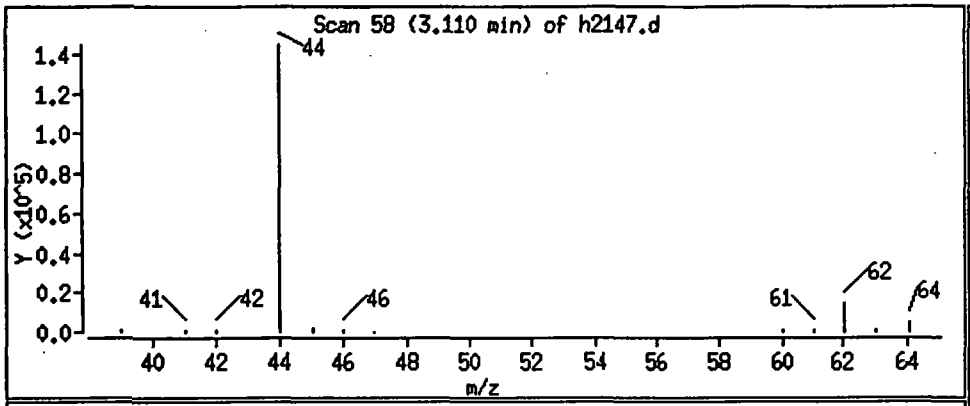
Purge Volume: 5.0

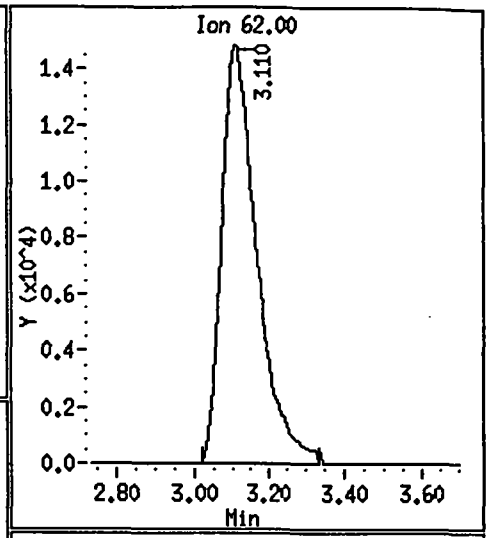
Operator:

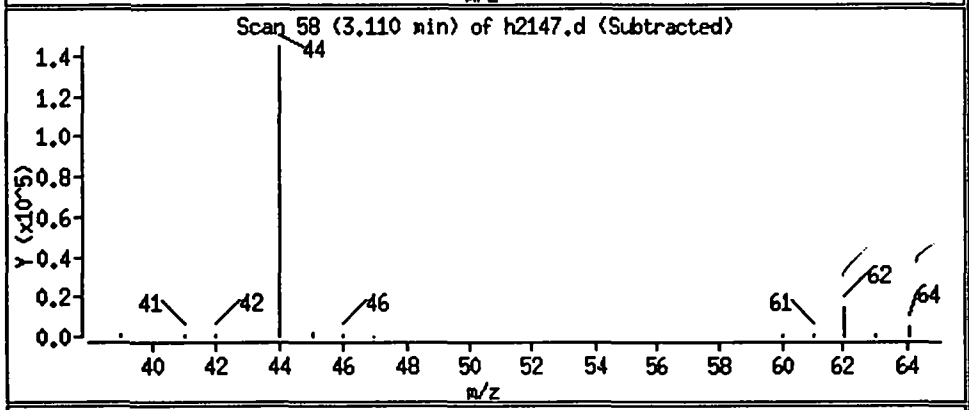
Column phase: DB-624

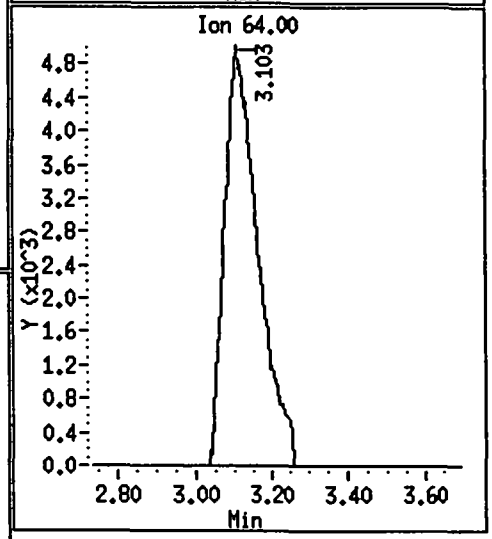
Column diameter: 0.53

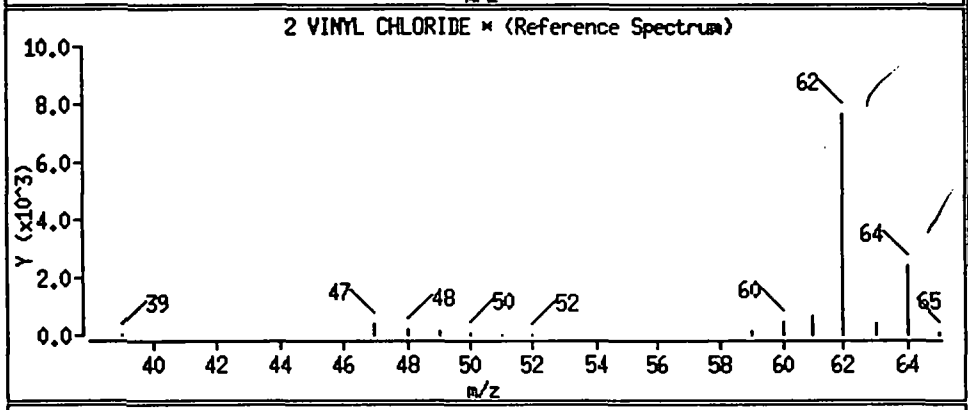
2 VINYL CHLORIDE ✖

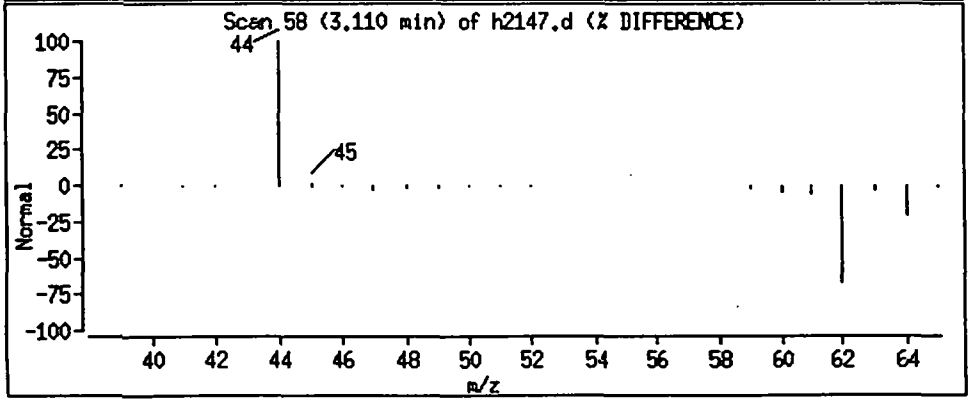












Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: VOA2.i
Lab File ID: h2147.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk1/VOA2.i/v040395.b/voa2.m
Misc Info: PRC/gr#9502320/TCLP/10DL/ARR/950323-23

Calibration Date: 04/03/95
Calibration Time: 0647

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	76973	38486	153946	71775	-6.75
24 1,4-Difluorobenzene	420730	210365	841460	373207	-11.30
39 Chlorobenzene-d5	350520	175260	701040	317887	-9.31

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	8.01	7.51	8.51	7.90	-1.41
24 1,4-Difluorobenzene	9.11	8.61	9.61	9.00	-1.24
39 Chlorobenzene-d5	12.11	11.61	12.61	12.01	-0.82

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.

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230024
CLIENT ID : SBA2-03
SAMPLE DATE: 03/22/95
SAMPLE TIME: 11:05

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 12:25
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	1.58*	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	1.01*	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000022

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2148.d
Lab Smp Id:
Inj Date : 03-APR-95 12:25
Operator : Inst ID: msv2.i
Smp Info : 950323- 24 P R C
Misc Info : PRC/gr#9502320/TCLP/10DL/ARR/950323-24
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 13-Apr-1995 14:45 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 4
Dil Factor: 10.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
	2 VINYL CHLORIDE *	62.00	3.086	3.203	(0.392)	99221	100.8	1008(Q)
	10 Vinyl Acetate	43.00	5.903	5.980	(0.750)	873	1.280	12.80(aQ)
	11 Methylene Chloride	49.00	5.968	6.092	(0.758)	193617	85.20	852.0
	14 1,1-DICHLORETHANE **	63.00	6.888	7.024	(0.875)	17606	6.637	66.37(aQ)
	15 cis-1,2-Dichloroethene	61.00	7.590	7.727	(0.964)	214374	101.5	1015
*	17 Bromochloromethane	128.00	7.873	8.009	(1.000)	49822	50.00	
	18 CHLOROFORM *	83.00	7.952	8.101	(1.010)	706	0.2862	2.862(aQ)
$	21 1,2-Dichloroethane-d4	65.00	8.516	8.653	(0.949)	58164	47.30	47.30(a)
	22 Benzene	78.00	8.562	8.705	(0.954)	628599	157.6	1576(Q)
*	24 1,4-Difluorobenzene	114.00	8.976	9.113	(1.000)	262528	50.00	
	29 cis-1,3-Dichloropropene	75.00	10.585	10.373	(1.179)	3007	1.275	12.75(aQ)
	30 4-Methyl-2-Pentanone	43.00	10.296	10.524	(0.859)	47595	34.46	344.6(Q)
$	31 Toluene-d8	98.00	10.519	10.643	(0.877)	230558	51.00	51.00(a)
	32 TOLUENE *	91.00	10.585	10.708	(0.883)	633771	124.0	1240
*	39 Chlorobenzene-d5	117.00	11.990	12.107	(1.000)	226994	50.00	
	41 ETHYLBENZENE *	106.00	12.102	12.219	(1.009)	25883	13.32	133.2
	42 p,m-Xylene	106.00	12.213	12.337	(1.019)	192280	74.60	746.0
	43 o-Xylene	106.00	12.621	12.737	(1.053)	81546	32.01	320.1
	44 Styrene	104.00	12.634	12.751	(1.054)	34554	7.881	78.81(aQ)
$	46 Bromofluorobenzene	95.00	13.166	13.276	(1.098)	177534	51.32	51.32(a)

QC Flag Legend

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

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2148.d

Date : 03-APR-95 12:25

Lab Sample ID:

Instrument: VOA2.i

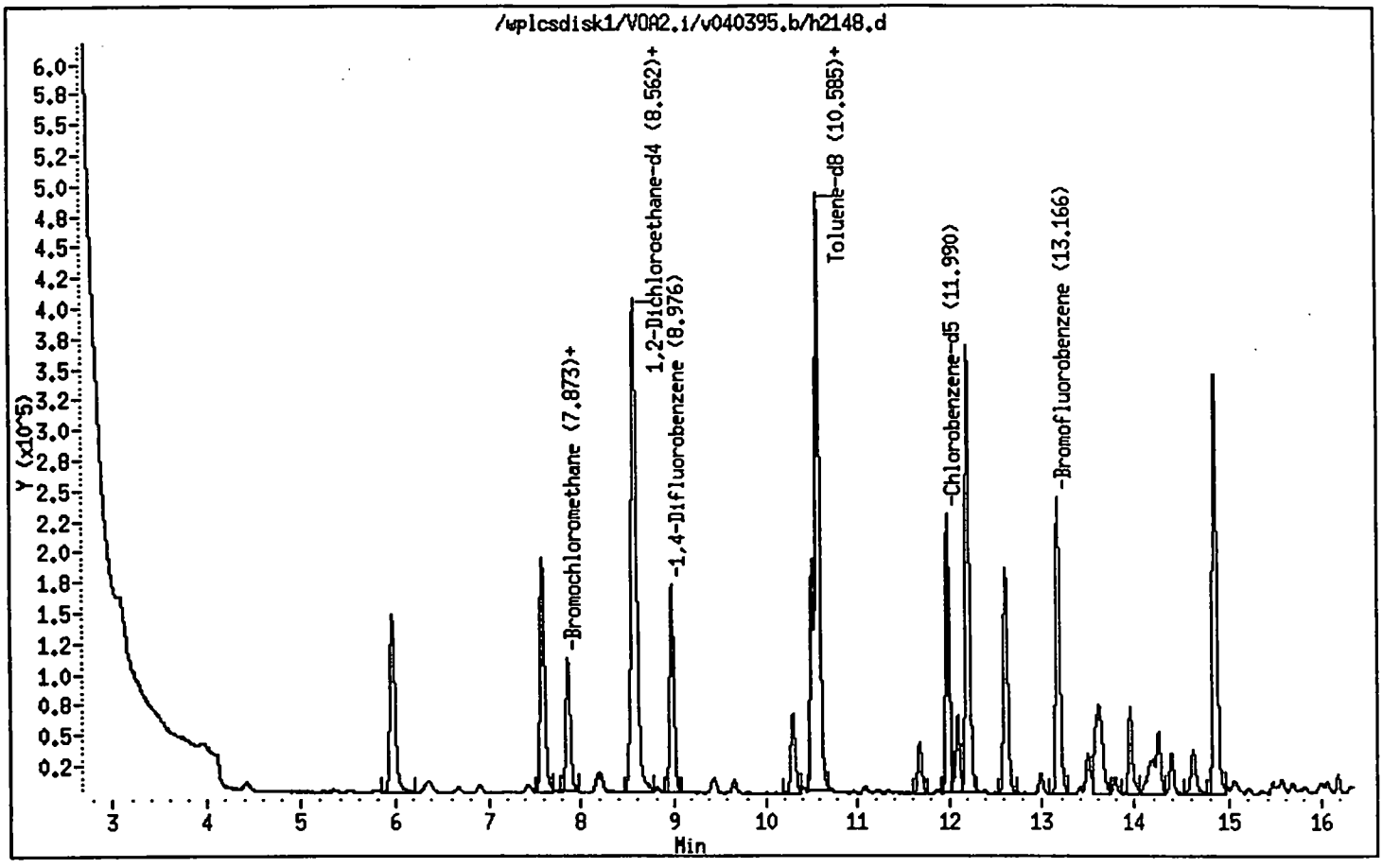
Sample Info: 950323- 24 P R C

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Data File: /wplcsdisk1/VOA2.i/v040395.b/h2148.d

Date : 03-APR-95 12:25

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 950323- 24 P R C

Purge Volume: 5.0

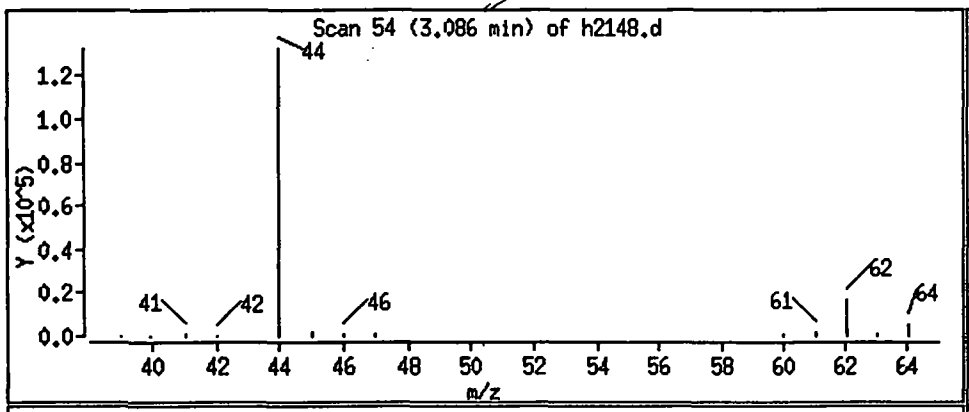
Operator:

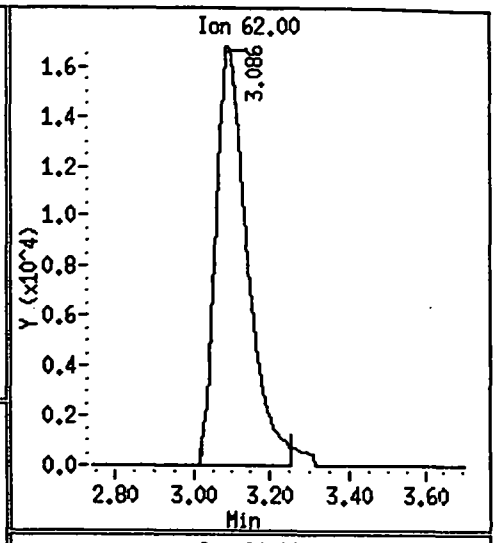
Column phase: DB-624

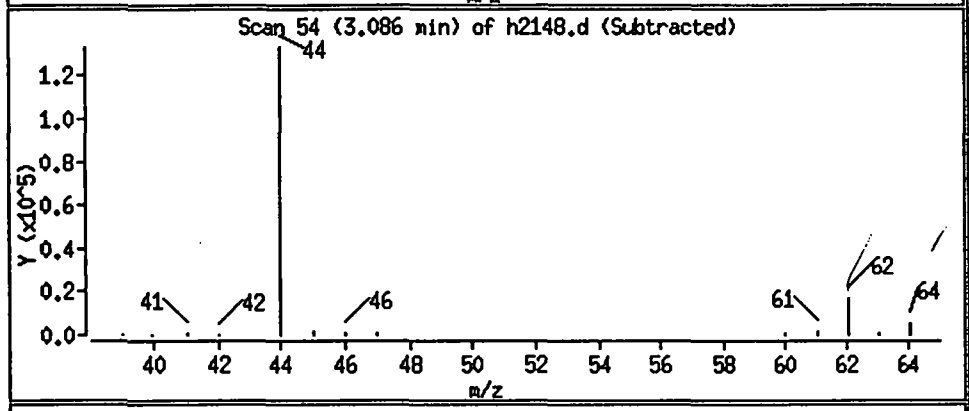
Column diameter: 0.53

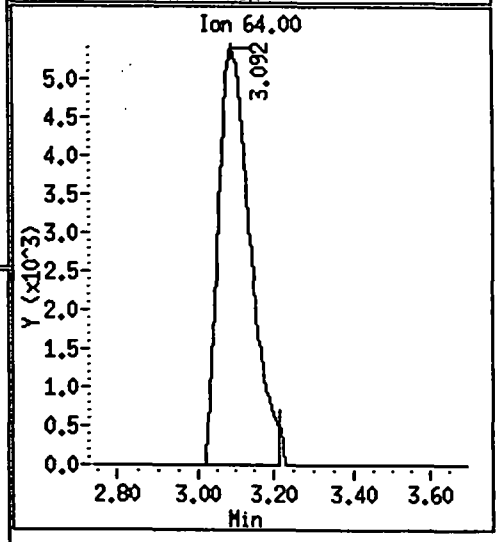
OK APR

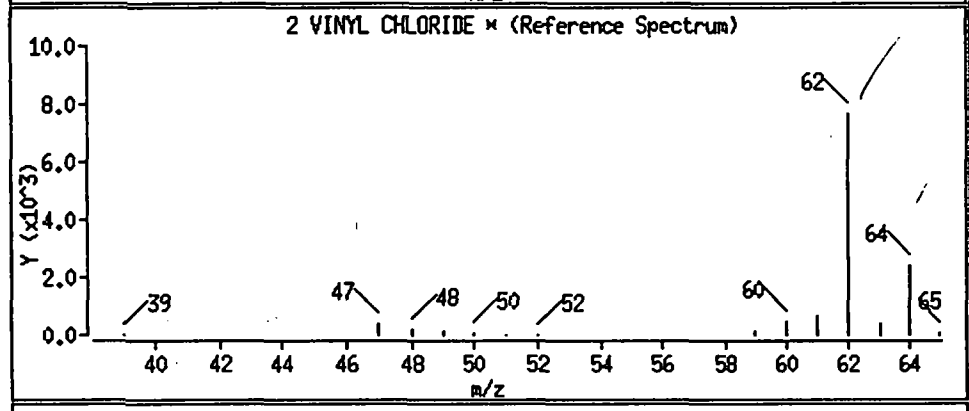
2 VINYL CHLORIDE ×

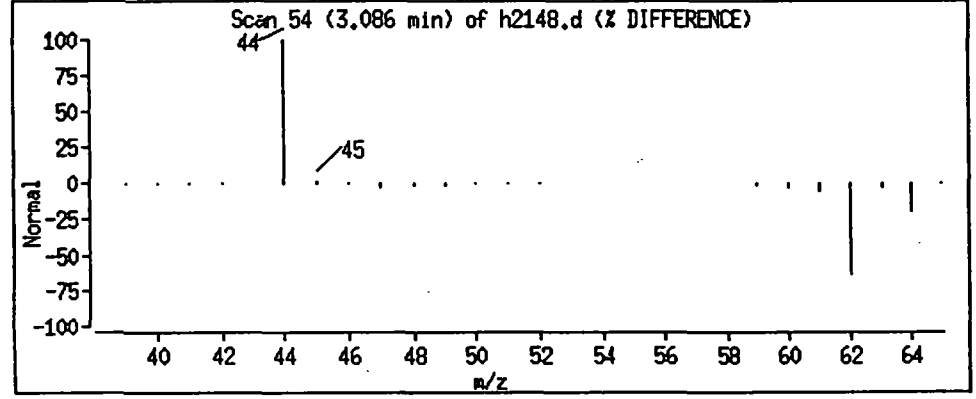












Data File: /wplcsdisk1/VOA2.i/v040395.b/h2148.d

Date : 03-APR-95 12:25

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 950323- 24 P R C

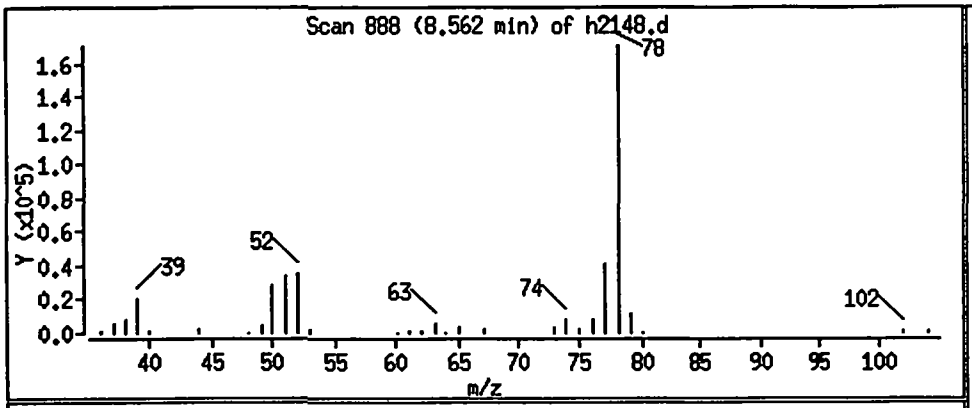
Purge Volume: 5.0

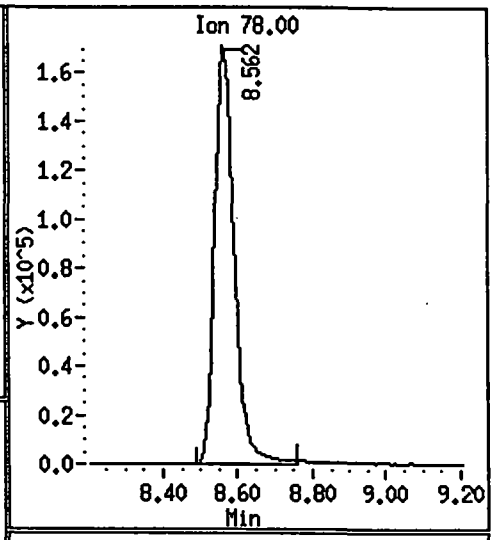
Operator:

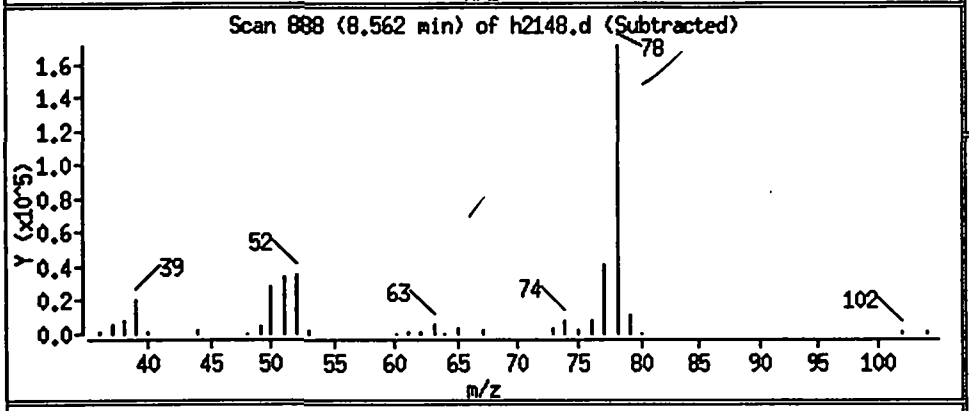
Column phase: DB-624

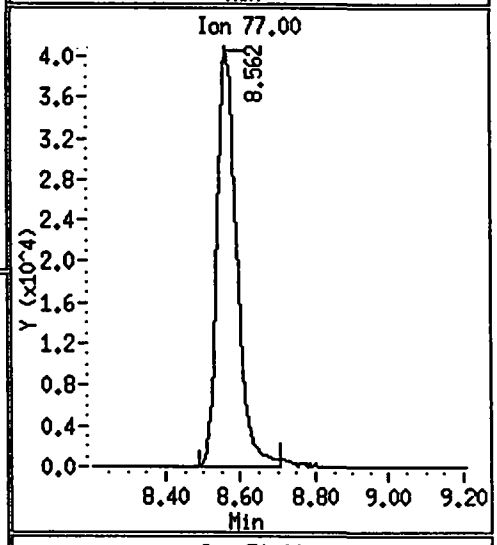
Column diameter: 0.53

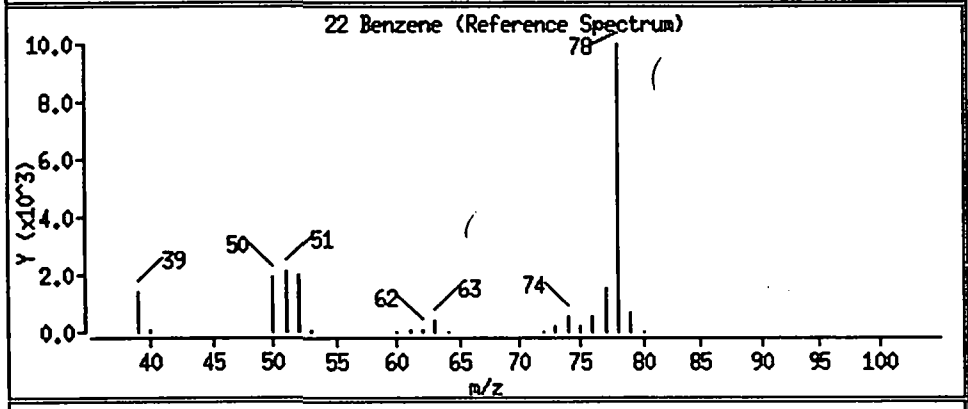
22 Benzene

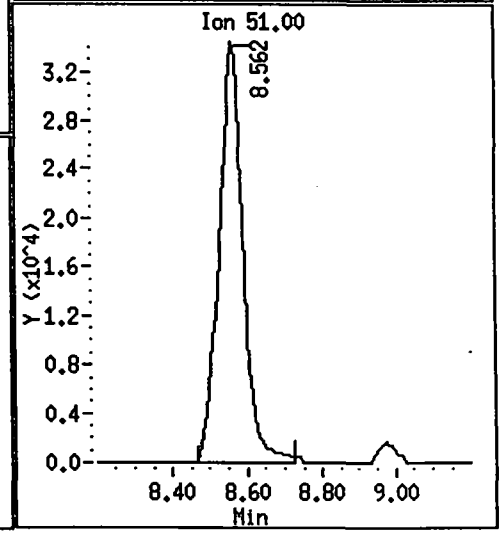


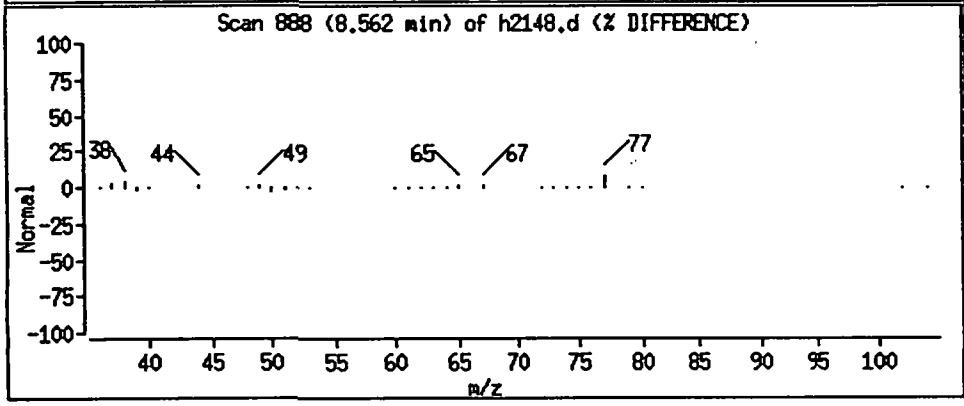












Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: VOA2.i
Lab File ID: h2148.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk1/VOA2.i/v040395.b/voa2.m
Misc Info: PRC/gr#9502320/TCLP/10DL/ARR/950323-24

Calibration Date: 04/03/95
Calibration Time: 0647
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	76973	38486	153946	49822	-35.27
24 1,4-Difluorobenzene	420730	210365	841460	262528	-37.60
39 Chlorobenzene-d5	350520	175260	701040	226994	-35.24

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	8.01	7.51	8.51	7.87	-1.71
24 1,4-Difluorobenzene	9.11	8.61	9.61	8.98	-1.50
39 Chlorobenzene-d5	12.11	11.61	12.61	11.99	-0.97

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.

WATER VOLATILE SPIKE/SPIKE DUPLICATE RECOVERY

Sample No: 9503230025 Level (low/med): low

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC#	ADVISORY LIMITS REC.
1,1-Dichloroethene	500.0	< 50.0	580	116	61-145
Trichloroethene	500.0	< 50.0	530	106	71-120
Benzene	500.0	1010.0	1270	52*	76-127
Toluene	500.0	950.0	1502	110	76-125
Chlorobenzene	500.0	< 50.0	540	108	75-130

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC#	% RPD#	ADVISORY LIMITS RPD	ADVISORY LIMITS REC.
1,1-Dichloroethene	500.0	540	108	7	14	61-145
Trichloroethene	500.0	520	104	2	14	71-120
Benzene	500.0	1150	26*	67*	11	76-127
Toluene	500.0	1390	88	22*	13	76-125
Chlorobenzene	500.0	510	102	6	13	75-130

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

RPD: 2 out of 5 outside limits
Spike Recovery: 2 out of 10 outside limits

COMMENTS: V2WLO-107

4A

VOLATILE METHOD BLANK SUMMARY

Lab File ID: H2143 **Group No: 9502320**

Date Analyzed: 04/03/95 **Sample ID: 950403V2-BLK**

Time Analyzed: 07:10

	Lab Sample ID	Lab File ID	Time Analyzed
01	950403V2-LCS	H2144	08:35
02	950327-TCLP BLK	H2145	11:09
03	9503230022	H2146	11:34
04	9503230023	H2147	11:59
05	9503230024	H2148	12:25
06	9503230025	H2149	12:51
07	9503230026	H2150	13:15
08	9503230027	H2151	13:40
09	9503230028	H2152	14:05
10	9503230031	H2155	15:17
11	9503230033	H2157	16:06
12	9503230034	H2158	16:30
13	9503230035	H2160	17:20
14	9503230029	H2161	17:45
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Comments: _____

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4A
VOLATILE METHOD BLANK SUMMARY

Lab File ID: H2204

Group No: 9502320

Date Analyzed: 04/05/95

Sample ID: 0405V2BLK01

Time Analyzed: 17:15

	Lab Sample ID	Lab File ID	Time Analyzed
01	0405V2LCS01	H2205	17:50
02	9503230021	H2206	18:14
03	9503230030	H2207	18:38
04	9503230032	H2208	19:03
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Comments: _____

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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9502320**

Lab File ID: H0990 **BFB Injection Date: 03/23/95**

BFB Injection Time: 09:12

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.72
75	30.0 - 66.0% of mass 95	41.88
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.76
173	Less than 2.0% if mass 174	0.00
174	50.0 - 120.0% of mass 95	65.96
175	4.0 - 9.0% of mass 174	4.77 (7.23)
176	93.0 - 101.0% of mass 174	65.24 (98.90)
177	5.0 - 9.0% of mass 176	4.35 (6.66)

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	950323V2STD020	H1010	03/23/95	18:03
02	950323V2STD050	H1011	03/23/95	18:30
03	950323V2STD100	H1012	03/23/95	18:56
04	950323V2STD150	H1013	03/23/95	19:24
05	950323V2STD200	H1014	03/23/95	19:51
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Comments: _____

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9502320**

Lab File ID: H2141 **BFB Injection Date: 04/03/95**

BFB Injection Time: 06:26

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.68
75	30.0 - 66.0% of mass 95	40.39
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.80
173	Less than 2.0% if mass 174	0.00
174	50.0 - 120.0% of mass 95	68.00
175	4.0 - 9.0% of mass 174	4.87 (7.16)
176	93.0 - 101.0% of mass 174	67.42 (99.16)
177	5.0 - 9.0% of mass 176	4.50 (6.68)

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	950403V2-STD50	H2142	04/03/95	06:47
02	950403V2-BLK	H2143	04/03/95	07:10
03	950403V2-LCS	H2144	04/03/95	08:35
04	950327-TCLP BLK	H2145	04/03/95	11:09
05	9503230022	H2146	04/03/95	11:34
06	9503230023	H2147	04/03/95	11:59
07	9503230024	H2148	04/03/95	12:25
08	9503230025	H2149	04/03/95	12:51
09	9503230026	H2150	04/03/95	13:15
10	9503230027	H2151	04/03/95	13:40
11	9503230028	H2152	04/03/95	14:05
12	9503230031	H2155	04/03/95	15:17
13	9503230033	H2157	04/03/95	16:06
14	9503230034	H2158	04/03/95	16:30
15	9503230035	H2160	04/03/95	17:20
16	9503230029	H2161	04/03/95	17:45
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Comments: _____

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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Inchcape Testing Services **Group No: 9502320**

Lab File ID: H2200 **BFB Injection Date: 04/05/95**

BFB Injection Time: 15:21

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.16
75	30.0 - 66.0% of mass 95	39.26
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.68
173	Less than 2.0% if mass 174	0.00
174	50.0 - 120.0% of mass 95	69.38
175	4.0 - 9.0% of mass 174	4.91 (7.08)
176	93.0 - 101.0% of mass 174	69.15 (99.66)
177	5.0 - 9.0% of mass 176	4.73 (6.84)

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

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

	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
01	0405V2STD050	H2203	04/05/95	16:39
02	0405V2BLK01	H2204	04/05/95	17:15
03	0405V2LCS01	H2205	04/05/95	17:50
04	9503230021	H2206	04/05/95	18:14
05	9503230030	H2207	04/05/95	18:38
06	9503230032	H2208	04/05/95	19:03
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Comments: _____

Data File: /wplcsdisk1/VOA2.i/v032395.b/h0990.d

Date : 23-MAR-95 09:12

Lab Sample ID:

Instrument: VOA2.i

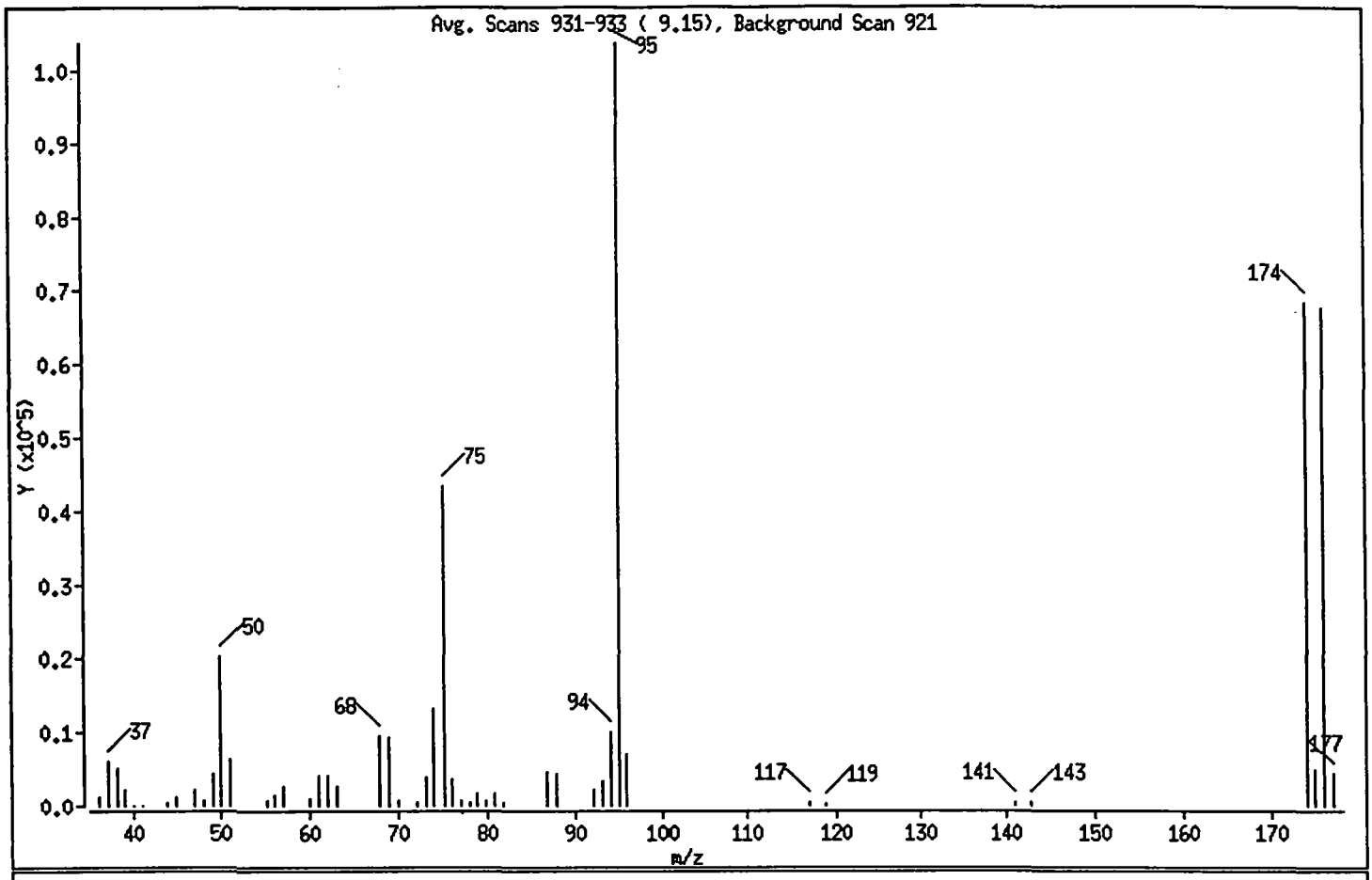
Sample Info: 0322V2BFB02

Operator:

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.72
75	30.00 - 66.00% of mass 95	41.88
96	5.00 - 9.00% of mass 95	6.76
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	65.96
175	4.00 - 9.00% of mass 174	4.77 (7.23)
176	93.00 - 101.00% of mass 174	65.24 (98.90)
177	5.00 - 9.00% of mass 176	4.35 (6.66)

Data File: /wplcsdisk1/VOA2.i/v032395.b/h0990.d

Date : 23-MAR-95 09:12

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 0322V2BFB02

Operator:

Column phase:

Column diameter: 2.00

Data File: h0990.d

Spectrum : Avg. Scans 931-933 (9.15), Background Scan 921

Largest m/z: 95.05

Number of peaks: 49

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	1200	55.00	621	75.00	43408	95.05	103648
37.05	6064	56.00	1584	76.00	3664	95.95	7002
38.05	5074	57.00	2746	77.00	703	116.90	442
39.05	2144	60.05	895	78.00	511	118.90	278
39.95	58	61.05	4277	78.90	1731	140.90	611
40.95	20	62.05	4086	79.90	659	142.90	557
44.00	437	63.05	2798	80.90	1766	173.90	68368
45.00	1120	67.95	9582	81.90	454	174.90	4940
47.00	2209	68.95	9350	86.90	4666	175.90	67616
48.00	737	69.95	757	87.90	4489	176.90	4505
49.00	4528	71.95	505	91.95	2182		
50.00	20440	72.95	3877	93.05	3421		
51.00	6475	73.95	13142	94.05	10132		

Data File: /wplcsdisk1/VOA2.i/v032395.b/h0990.d

Date : 23-MAR-95 09:12

Lab Sample ID:

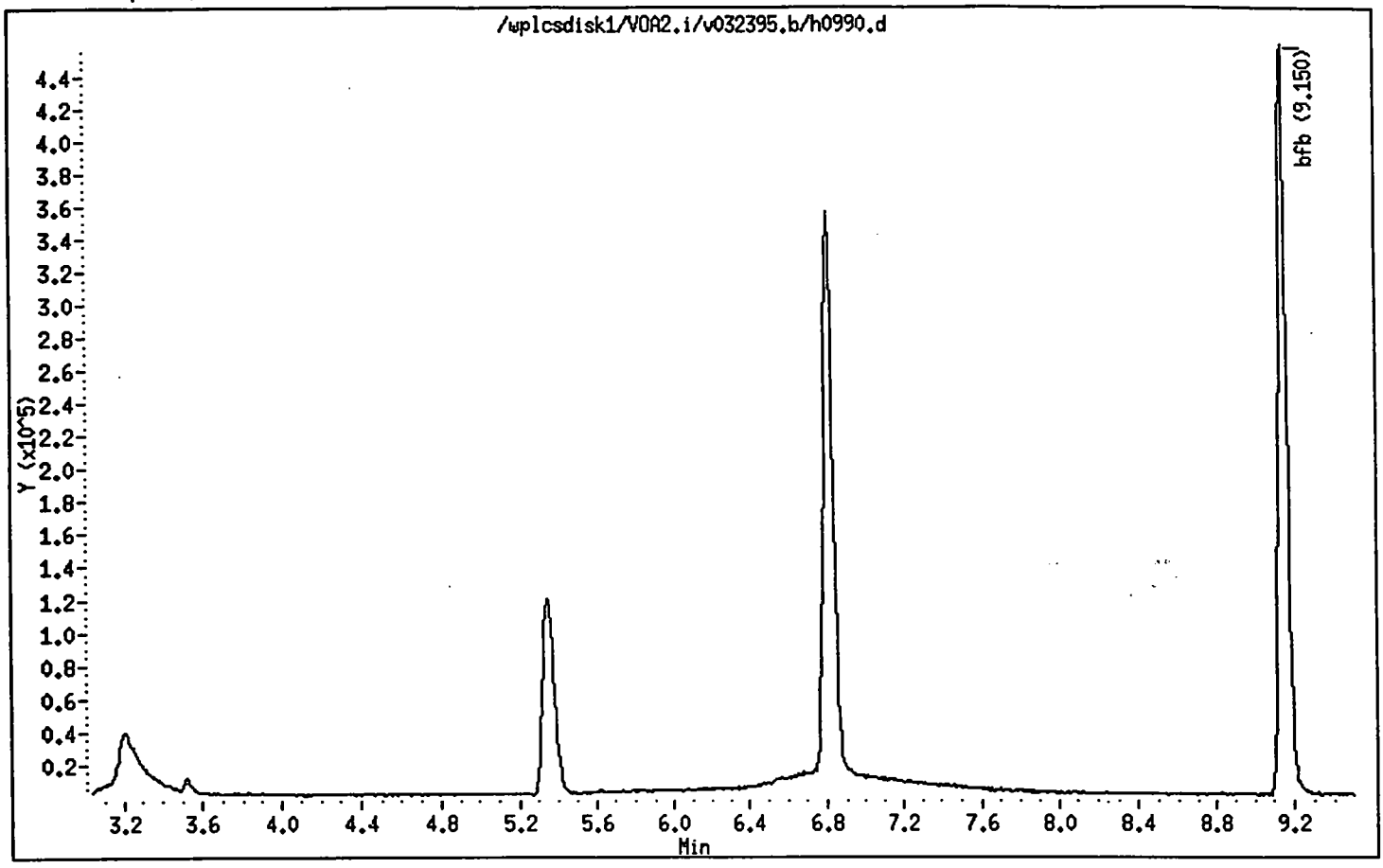
Instrument: VOA2.i

Sample Info: 0322V2BFB02

Operator:

Column phase:

Column diameter: 2.00



Inchcape Testing Services

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-1994 13:31
End Cal Date : 23-MAR-1995 18:56
Quant Method : ISTD
Target Version : 3.10
Integrator : HP RTE
Method file : /wplcsdisk3/msv2.i/v032395.b/voa2.m
Cal Date : 11-Apr-1995 20:52 arr
Curve Type : Average

Calibration File Names:
Level 1: /wplcsdisk3/msv2.i/v032395.b/h1010.d
Level 2: /wplcsdisk3/msv2.i/v032395.b/h1011.d
Level 3: /wplcsdisk3/msv2.i/v032395.b/h1012.d
Level 4: /wplcsdisk3/msv2.i/v032395.b/h1013.d
Level 5: /wplcsdisk3/msv2.i/v032395.b/h1014.d

Compound	20 Level 1	50 Level 2	100 Level 3	150 Level 4	200 Level 5	___ RRF	% RSD
1 CHLOROMETHANE **	0.92088	1.01174	1.03391	0.99214	1.00342	0.99242	4.315
2 VINYL CHLORIDE *	1.04766	1.09061	1.07638	1.07242	1.07565	1.07254	1.452
3 Bromomethane	1.34435	1.18596	1.15760	1.12923	1.14103	1.19163	7.384
4 Chloroethane	0.76062	0.61571	0.56225	0.56757	0.55779	0.61279	14.011
5 Trichlorofluoromethane	3.02001	2.54630	2.23035	1.67433	1.69426	2.23305	25.724
6 1,1-DICHLORETHENE *	1.40338	1.36077	1.36341	1.32134	1.30582	1.35094	2.846
7 Acrolein	0.16342	0.14984	0.17043	0.12383	0.15975	0.15345	11.826
8 Carbon Disulfide	4.22965	4.14777	3.91341	3.95446	3.91949	4.03296	3.619
9 Acetone	0.26413	0.36807	0.31260	0.31532	0.29299	0.31062	12.257
10 Vinyl Acetate	0.88402	0.85910	0.84078	0.78449	0.73285	0.82025	7.444
11 Methylene Chloride	3.19948	2.86816	2.75599	2.64326	2.62715	2.81881	8.298
12 trans-1,2-Dichloroethene	2.73089	2.72055	2.65083	2.62701	2.55049	2.65595	2.778
13 Acrylonitrile	0.37831	0.38042	0.35971	0.36016	0.35564	0.36685	3.158
14 1,1-DICHLORETHANE **	3.09810	2.97245	2.96026	2.78338	2.87807	2.93845	3.984
15 cis-1,2-Dichloroethene	2.48278	2.47942	2.42438	2.34123	2.40048	2.42566	2.432
16 2-Butanone	0.64136	0.57025	0.50729	0.47580	0.45787	0.53051	14.192
18 CHLOROFORM *	3.08834	2.82823	2.76323	2.63854	2.63149	2.78997	6.687
19 1,1,1-Trichloroethane	0.61101	0.54668	0.53308	0.51634	0.52149	0.54572	7.022
20 Carbon Tetrachloride	0.55934	0.50850	0.47912	0.46881	0.48858	0.50087	7.149
22 Benzene	0.84812	0.76006	0.69889	0.64151	0.64852	0.71942	11.984
23 1,2-Dichloroethane	0.34735	0.33550	0.28356	0.25148	0.24616	0.29281	15.989
25 Trichloroethene	0.32895	0.35671	0.33237	0.32567	0.32651	0.33404	3.873
26 1,2-DICHLORPROPANE *	0.36735	0.39605	0.37807	0.35327	0.34576	0.36810	5.433
27 Bromodichloromethane	0.63698	0.66858	0.63186	0.59811	0.59040	0.62518	5.065
28 2-Chloroethyl vinyl ether	0.05144	0.05480	0.04630	0.04488	0.02334	0.04415	27.856
29 cis-1,3-Dichloropropene	0.48769	0.51784	0.46877	0.44104	0.42506	0.46808	7.881
30 4-Methyl-2-Pentanone	0.39524	0.37899	0.36224	0.35143	0.34451	0.36648	5.643

Inchcape Testing Services

INITIAL CALIBRATION DATA

Start Cal Date : 20-DEC-1994 13:31
End Cal Date : 23-MAR-1995 18:56
Quant Method : ISTD
Target Version : 3.10
Integrator : HP RTE
Method file : /wplcsdisk3/msv2.i/v032395.b/voa2.m
Cal Date : 11-Apr-1995 20:52 arr
Curve Type : Average

Compound	20 Level 1	50 Level 2	100 Level 3	150 Level 4	200 Level 5	RRF	% RSD
32 TOLUENE *	1.14702	1.14335	1.09624	1.09169	1.07303	1.11027	2.978
33 *trans*-1,3-Dichloropropene	0.46662	0.46087	0.41338	0.41380	0.39866	0.43067	7.169
34 1,1,2-Trichloroethane	0.32408	0.31600	0.29290	0.29266	0.28092	0.30131	5.973
35 Tetrachloroethene	0.38015	0.36787	0.35263	0.35215	0.34173	0.35890	4.206
36 2-Hexanone	0.25947	0.24277	0.21470	0.20949	0.19752	0.22479	11.354
37 Dibromochloromethane	0.57336	0.56040	0.52315	0.53963	0.51994	0.54330	4.279
38 1,2-Dibromoethane(EDB)	0.51453	0.51517	0.46813	0.47666	0.46038	0.48698	5.358
40 CHLOROBENZENE **	0.91380	0.87616	0.82979	0.83146	0.81653	0.85355	4.746
41 ETHYLBENZENE *	0.44526	0.43212	0.41580	0.41185	0.40417	0.42184	3.936
42 p,m-Xylene	0.58018	0.55775	0.53304	0.54302	0.53418	0.54963	3.589
43 o-Xylene	0.59472	0.58483	0.57176	0.58801	0.57759	0.58338	1.535
44 Styrene	1.00055	0.98441	0.93805	0.93702	0.90746	0.95350	3.993
45 BROMOFORM **	0.41997	0.42470	0.39825	0.41251	0.40241	0.41157	2.730
47 1,1,2,2-TETRACHLORETHANE **	0.55448	0.56062	0.52789	0.54177	0.52160	0.54127	3.084
48 1,3-Dichlorobenzene	0.84073	0.83368	0.79265	0.82918	0.77664	0.81457	3.463
49 1,4-Dichlorobenzene	0.88823	0.90332	0.86496	0.89294	0.84494	0.87888	2.685
50 1,2-Dichlorobenzene	0.79309	0.80266	0.76652	0.80258	0.75797	0.78457	2.672
51 1,2-Dibromo-3-Chloropropane	0.11579	0.12807	0.12310	0.13898	0.13440	0.12807	7.143
$ 21 1,2-Dichloroethane-d4	0.30576	0.27111	0.25492	0.23129	0.22706	0.25803	12.458
$ 31 Toluene-d8	1.09728	1.10309	1.03550	1.02897	1.01957	1.05688	3.783
$ 46 Bromofluorobenzene	0.89955	0.86034	0.80690	0.79171	0.76491	0.82468	6.601

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v032395.b/h1010.d
Lab Smp Id:
Inj Date : 23-MAR-1995 18:03
Operator : Inst ID: VOA2.i
Smp Info : 0323V2STD020 WATER
Misc Info : INITIAL CAL/WATER /ARR
Comment :
Method : /wplcsdisk3/msv2.i/v032395.b/voa2.m
Meth Date : 11-Apr-1995 20:57 arr Quant Type: ISTD
Cal Date : 23-MAR-1995 18:03 Cal File: h1010.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	ON-COL (UG/L)
	1 CHLOROMETHANE **	50.00	2.895	2.895	(0.367)	23962	20.00	18.56
	2 VINYL CHLORIDE *	62.00	3.079	3.079	(0.390)	27261	20.00	19.54
	3 Bromomethane	94.00	3.630	3.630	(0.460)	34981	20.00	22.56
	4 Chloroethane	64.00	3.775	3.775	(0.478)	19792	20.00	24.82
	5 Trichlorofluoromethane	101.00	4.248	4.248	(0.538)	78583	20.00	27.05(M)
	6 1,1-DICHLORETHENE *	96.00	5.160	5.160	(0.654)	36517	20.00	20.78
	7 Acrolein	56.00	5.062	5.062	(0.641)	21261	100.0	106.5(M)
	8 Carbon Disulfide	76.00	5.482	5.482	(0.695)	110059	20.00	20.98
	9 Acetone	43.00	5.338	5.338	(0.676)	6873	20.00	17.01
	10 Vinyl Acetate	43.00	5.837	5.837	(0.740)	23003	20.00	21.55
	11 Methylene Chloride	49.00	5.962	5.962	(0.755)	83253	20.00	22.70
	12 trans-1,2-Dichloroethene	61.00	6.329	6.329	(0.802)	71060	20.00	20.56
	13 Acrylonitrile	53.00	6.342	6.342	(0.804)	49219	100.0	103.1
	14 1,1-DICHLORETHANE **	63.00	6.901	6.901	(0.874)	80615	20.00	21.09
	15 cis-1,2-Dichloroethene	61.00	7.610	7.610	(0.964)	64604	20.00	20.47
	16 2-Butanone	43.00	7.662	7.662	(0.971)	83443	100.0	120.9
*	17 Bromochloromethane	128.00	7.892	7.892	(1.000)	65052	50.00	
	18 CHLOROFORM *	83.00	7.984	7.984	(1.012)	80361	20.00	22.14
	19 1,1,1-Trichloroethane	97.00	8.181	8.181	(0.909)	85486	20.00	22.39
	20 Carbon Tetrachloride	117.00	8.358	8.358	(0.929)	78256	20.00	22.33
$	21 1,2-Dichloroethane-d4	65.00	8.542	8.542	(0.950)	42779	20.00	23.70
	22 Benzene	78.00	8.588	8.588	(0.955)	118659	20.00	23.58
	23 1,2-Dichloroethane	62.00	8.628	8.628	(0.959)	48597	20.00	23.72
*	24 1,4-Difluorobenzene	114.00	8.995	8.995	(1.000)	349771	50.00	
	25 Trichloroethene	130.00	9.278	9.278	(1.031)	46023	20.00	19.70
	26 1,2-DICHLORPROPANE *	63.00	9.527	9.527	(1.059)	51396	20.00	19.96
	27 Bromodichloromethane	83.00	9.810	9.810	(1.091)	89119	20.00	20.38
	28 2-Chloroethyl vinyl ether	65.00	10.092	10.092	(1.122)	7197	20.00	23.30
	29 cis-1,3-Dichloropropene	75.00	10.256	10.256	(1.140)	68232	20.00	20.84(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	30 4-Methyl-2-Pentanone	43.00	10.414	10.414	(0.868)	48151	20.00	21.57
$	31 Toluene-d8	98.00	10.525	10.525	(0.877)	133678	20.00	20.76
	32 TOLUENE *	91.00	10.591	10.591	(0.883)	139738	20.00	20.66
	33 trans-1,3-Dichloropropene	75.00	10.814	10.814	(0.901)	56847	20.00	21.67
	34 1,1,2-Trichloroethane	97.00	11.011	11.011	(0.918)	39482	20.00	21.51
	35 Tetrachloroethene	164.00	11.149	11.149	(0.929)	46312	20.00	21.18
	36 2-Hexanone	43.00	11.235	11.235	(0.936)	31611	20.00	23.08
	37 Dibromochloromethane	129.00	11.425	11.425	(0.952)	69851	20.00	21.11
	38 1,2-Dibromoethane(EDB)	107.00	11.550	11.550	(0.963)	62684	20.00	21.13
*	39 Chlorobenzene-d5	117.00	11.996	11.996	(1.000)	304567	50.00	
	40 CHLOROBENZENE **	112.00	12.023	12.023	(1.002)	111325	20.00	21.41
	41 ETHYLBENZENE *	106.00	12.108	12.108	(1.009)	54245	20.00	21.11
	42 p,m-Xylene	106.00	12.226	12.226	(1.019)	70681	20.00	21.11
	43 o-Xylene	106.00	12.627	12.627	(1.053)	72453	20.00	20.39
	44 Styrene	104.00	12.646	12.646	(1.054)	121894	20.00	20.99
	45 BROMOFORM **	173.00	12.870	12.870	(1.073)	51163	20.00	20.41
$	46 Bromofluorobenzene	95.00	13.165	13.165	(1.097)	109589	20.00	21.82
	47 1,1,2,2-TETRACHLORETHANE **	83.00	13.297	13.297	(1.108)	67550	20.00	20.49
	48 1,3-Dichlorobenzene	146.00	14.288	14.288	(1.191)	102423	20.00	20.64
	49 1,4-Dichlorobenzene	146.00	14.374	14.374	(1.198)	108210	20.00	20.21
	50 1,2-Dichlorobenzene	146.00	14.768	14.768	(1.231)	96520	20.00	20.22
	51 1,2-Dibromo-3-Chloropropane	157.00	15.569	15.569	(1.298)	14106	20.00	18.08

QC Flag Legend

M - Compound response manually integrated.

Data File: /wplcsdisk1/VOA2.i/v032395.b/h1010.d

Date : 23-MAR-1995 18:03

Lab Sample ID:

Instrument: VOA2.i

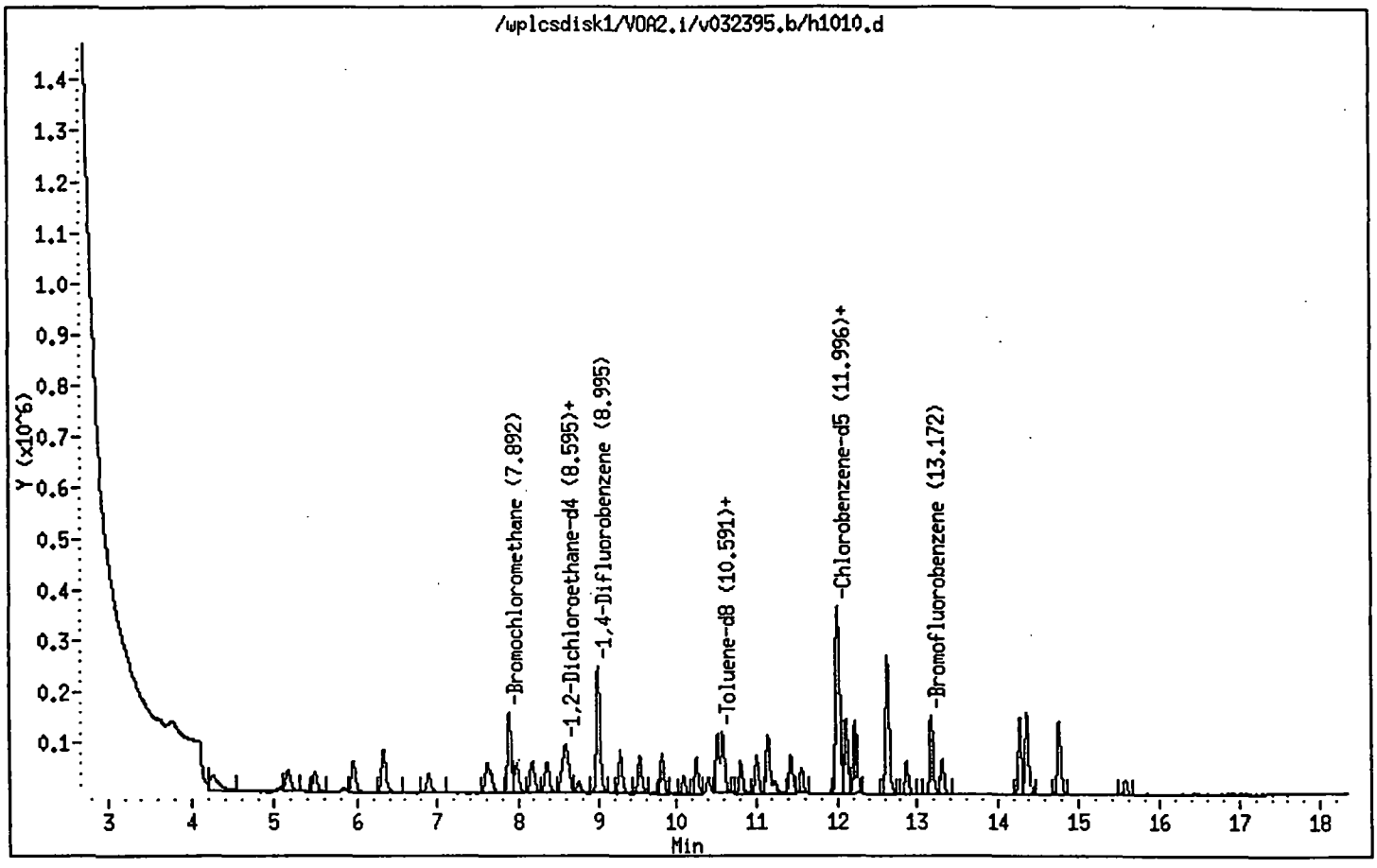
Sample Info: 0323-STD 20 WATER

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v032395.b/h1011.d
Lab Smp Id:
Inj Date : 23-MAR-1995 18:30
Operator : Inst ID: VOA2.i
Smp Info : 0323V2STD050 WATER
Misc Info : INITIAL CAL/WATER /ARR
Comment :
Method : /wplcsdisk3/msv2.i/v032395.b/voa2.m
Meth Date : 11-Apr-1995 20:57 arr Quant Type: ISTD
Cal Date : 23-MAR-1995 18:30 Cal File: h1011.d
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
1	CHLOROMETHANE **	50.00	2.887	2.887	(0.367)	63749	50.00	50.97
2	VINYL CHLORIDE *	62.00	3.070	3.070	(0.390)	68718	50.00	50.84
3	Bromomethane	94.00	3.615	3.615	(0.460)	74726	50.00	49.76
4	Chloroethane	64.00	3.747	3.747	(0.476)	38795	50.00	50.24
5	Trichlorofluoromethane	101.00	4.220	4.220	(0.537)	160440	50.00	57.01(M)
6	1,1-DICHLORETHENE *	96.00	5.139	5.139	(0.653)	85741	50.00	50.36
7	Acrolein	56.00	5.047	5.047	(0.642)	47207	250.0	244.1
8	Carbon Disulfide	76.00	5.461	5.461	(0.694)	261347	50.00	51.42
9	Acetone	43.00	5.329	5.329	(0.678)	23192	50.00	59.25
10	Vinyl Acetate	43.00	5.822	5.822	(0.740)	54131	50.00	52.37
11	Methylene Chloride	49.00	5.933	5.933	(0.754)	180720	50.00	50.88
12	trans-1,2-Dichloroethene	61.00	6.301	6.301	(0.801)	171419	50.00	51.22
13	Acrylonitrile	53.00	6.327	6.327	(0.805)	119850	250.0	259.2
14	1,1-DICHLORETHANE **	63.00	6.872	6.872	(0.874)	187291	50.00	50.58
15	cis-1,2-Dichloroethene	61.00	7.582	7.582	(0.964)	156226	50.00	51.11
16	2-Butanone	43.00	7.628	7.628	(0.970)	179653	250.0	268.7
* 17	Bromochloromethane	128.00	7.864	7.864	(1.000)	63009	50.00	
18	CHLOROFORM *	83.00	7.956	7.956	(1.012)	178204	50.00	50.68
19	1,1,1-Trichloroethane	97.00	8.146	8.146	(0.908)	173257	50.00	50.09
20	Carbon Tetrachloride	117.00	8.324	8.324	(0.928)	161157	50.00	50.76
$ 21	1,2-Dichloroethane-d4	65.00	8.508	8.508	(0.949)	85921	50.00	52.53
22	Benzene	78.00	8.554	8.554	(0.954)	240883	50.00	52.82
23	1,2-Dichloroethane	62.00	8.586	8.586	(0.958)	106328	50.00	57.29
* 24	1,4-Difluorobenzene	114.00	8.967	8.967	(1.000)	316925	50.00	
25	Trichloroethene	130.00	9.250	9.250	(1.031)	113051	50.00	53.39
26	1,2-DICHLORPROPANE *	63.00	9.499	9.499	(1.059)	125518	50.00	53.80
27	Bromodichloromethane	83.00	9.788	9.788	(1.092)	211889	50.00	53.47
28	2-Chloroethyl vinyl ether	65.00	10.077	10.077	(1.124)	17369	50.00	62.06
29	cis-1,3-Dichloropropene	75.00	10.241	10.241	(1.142)	164117	50.00	55.32(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	30 4-Methyl-2-Pentanone	43.00	10.392	10.392	(0.868)	110750	50.00	51.71
$	31 Toluene-d8	98.00	10.504	10.504	(0.877)	322353	50.00	52.19
	32 TOLUENE *	91.00	10.576	10.576	(0.883)	334116	50.00	51.49
	33 trans-1,3-Dichloropropene	75.00	10.793	10.793	(0.901)	134679	50.00	53.51
	34 1,1,2-Trichloroethane	97.00	10.996	10.996	(0.918)	92343	50.00	52.44
	35 Tetrachloroethene	164.00	11.128	11.128	(0.929)	107500	50.00	51.25
	36 2-Hexanone	43.00	11.220	11.220	(0.937)	70944	50.00	54.00
	37 Dibromochloromethane	129.00	11.404	11.404	(0.952)	163763	50.00	51.57
	38 1,2-Dibromoethane(EDB)	107.00	11.535	11.535	(0.963)	150547	50.00	52.90
*	39 Chlorobenzene-d5	117.00	11.975	11.975	(1.000)	292226	50.00	
	40 CHLOROBENZENE **	112.00	12.008	12.008	(1.003)	256036	50.00	51.32
	41 ETHYLBENZENE *	106.00	12.093	12.093	(1.010)	126276	50.00	51.22
	42 p,m-Xylene	106.00	12.205	12.205	(1.019)	162989	50.00	50.74
	43 o-Xylene	106.00	12.612	12.612	(1.053)	170903	50.00	50.12
	44 Styrene	104.00	12.625	12.625	(1.054)	287670	50.00	51.62
	45 BROMOFORM **	173.00	12.855	12.855	(1.073)	124108	50.00	51.60
$	46 Bromofluorobenzene	95.00	13.150	13.150	(1.098)	251414	50.00	52.16
	47 1,1,2,2-TETRACHLORETHANE **	83.00	13.282	13.282	(1.109)	163827	50.00	51.79
	48 1,3-Dichlorobenzene	146.00	14.273	14.273	(1.192)	243623	50.00	51.17
	49 1,4-Dichlorobenzene	146.00	14.359	14.359	(1.199)	263974	50.00	51.39
	50 1,2-Dichlorobenzene	146.00	14.753	14.753	(1.232)	234558	50.00	51.15
	51 1,2-Dibromo-3-Chloropropane	157.00	15.554	15.554	(1.299)	37424	50.00	50.00

QC Flag Legend

M - Compound response manually integrated.

Data File: /wplcsdisk1/VOA2.i/v032395.b/h1011.d

Date : 23-MAR-1995 18:30

Lab Sample ID:

Instrument: VOA2.i

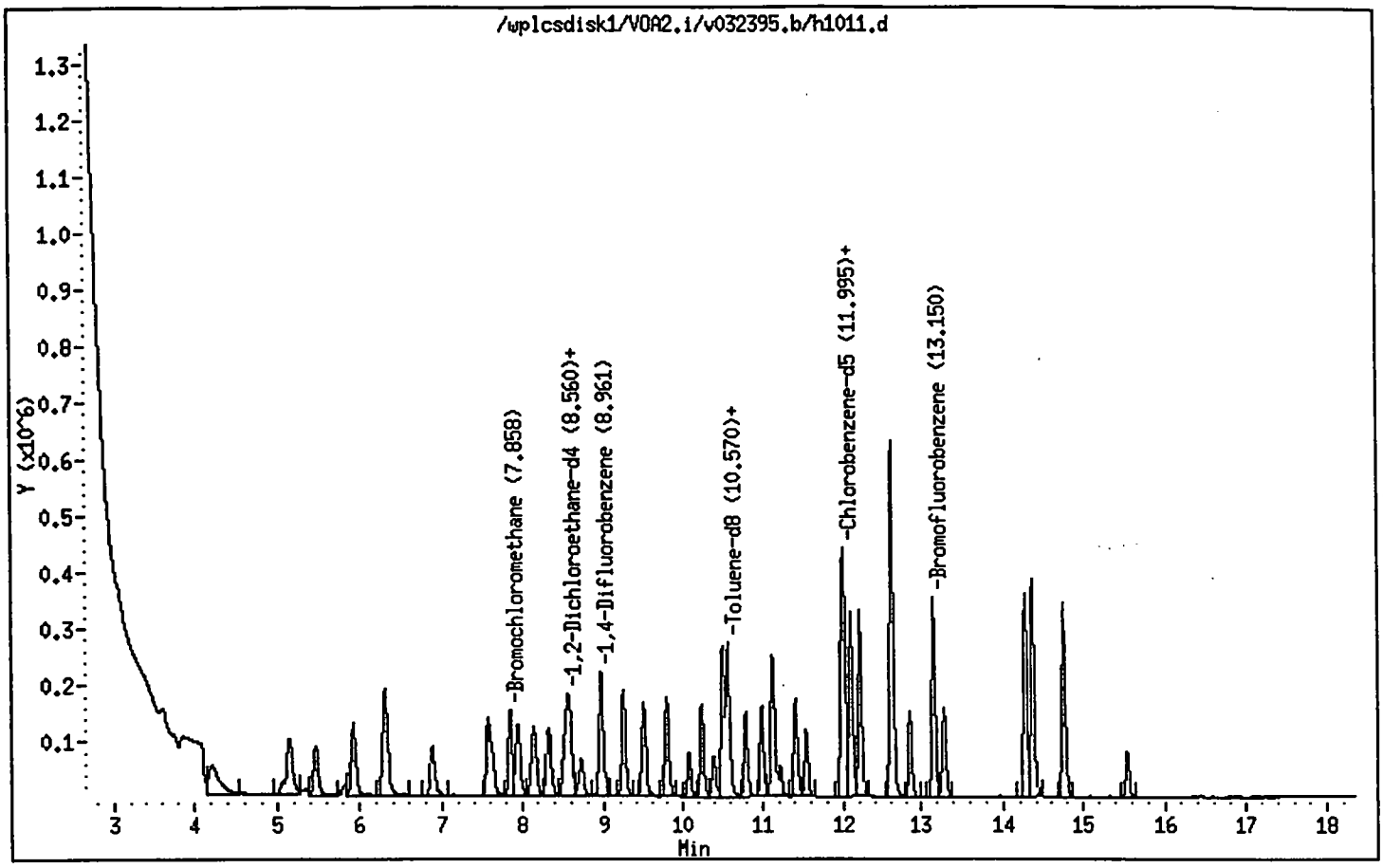
Sample Info: 0323-STD 50 WATER

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v032395.b/h1012.d
Lab Smp Id:
Inj Date : 23-MAR-1995 18:56
Operator : Inst ID: VOA2.i
Smp Info : 0323V2STD100 WATER
Misc Info : INITIAL CAL/WATER /ARR
Comment :
Method : /wplcsdisk3/msv2.i/v032395.b/voa2.m
Meth Date : 11-Apr-1995 20:57 arr Quant Type: ISTD
Cal Date : 23-MAR-1995 18:56 Cal File: h1012.d
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	ON-COL (UG/L)
	1 CHLOROMETHANE **	50.00	2.893	2.893	(0.368)	128021	100.0	104.2(M)
	2 VINYL CHLORIDE *	62.00	3.077	3.077	(0.392)	133280	100.0	100.4
	3 Bromomethane	94.00	3.622	3.622	(0.461)	143336	100.0	97.14
	4 Chloroethane	64.00	3.746	3.746	(0.477)	69619	100.0	91.75
	5 Trichlorofluoromethane	101.00	4.180	4.180	(0.532)	276166	100.0	99.88(M)
	6 1,1-DICHLORETHENE *	96.00	5.125	5.125	(0.653)	168820	100.0	100.9
	7 Acrolein	56.00	5.073	5.073	(0.646)	105515	500.0	555.3
	8 Carbon Disulfide	76.00	5.447	5.447	(0.694)	484566	100.0	97.04
	9 Acetone	43.00	5.368	5.368	(0.684)	38707	100.0	100.6
	10 Vinyl Acetate	43.00	5.848	5.848	(0.745)	104107	100.0	102.5
	11 Methylene Chloride	49.00	5.940	5.940	(0.757)	341252	100.0	97.77
	12 trans-1,2-Dichloroethene	61.00	6.307	6.307	(0.803)	328231	100.0	99.81
	13 Acrylonitrile	53.00	6.347	6.347	(0.808)	222699	500.0	490.3
	14 1,1-DICHLORETHANE **	63.00	6.872	6.872	(0.875)	366545	100.0	100.7
	15 cis-1,2-Dichloroethene	61.00	7.575	7.575	(0.965)	300192	100.0	99.95
	16 2-Butanone	43.00	7.634	7.634	(0.972)	314066	500.0	478.1
*	17 Bromochloromethane	128.00	7.851	7.851	(1.000)	61911	50.00	
	18 CHLOROFORM *	83.00	7.943	7.943	(1.012)	342149	100.0	99.04
	19 1,1,1-Trichloroethane	97.00	8.133	8.133	(0.907)	333032	100.0	97.68
	20 Carbon Tetrachloride	117.00	8.310	8.310	(0.927)	299322	100.0	95.66
$	21 1,2-Dichloroethane-d4	65.00	8.501	8.501	(0.948)	159255	100.0	98.79
	22 Benzene	78.00	8.547	8.547	(0.953)	436619	100.0	97.15
	23 1,2-Dichloroethane	62.00	8.586	8.586	(0.958)	177147	100.0	96.84
*	24 1,4-Difluorobenzene	114.00	8.967	8.967	(1.000)	312367	50.00	
	25 Trichloroethene	130.00	9.249	9.249	(1.031)	207642	100.0	99.50
	26 1,2-DICHLORPROPANE *	63.00	9.505	9.505	(1.060)	236194	100.0	102.7
	27 Bromodichloromethane	83.00	9.801	9.801	(1.093)	394742	100.0	101.1
	28 2-Chloroethyl vinyl ether	65.00	10.083	10.083	(1.124)	28926	100.0	104.9
	29 cis-1,3-Dichloropropene	75.00	10.254	10.254	(1.144)	292857	100.0	100.1(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
30	4-Methyl-2-Pentanone	43.00	10.405	10.405	(0.868)	208566	100.0	98.84
$ 31	Toluene-d8	98.00	10.517	10.517	(0.877)	596213	100.0	97.98
32	TOLUENE *	91.00	10.589	10.589	(0.883)	631187	100.0	98.74
33	trans-1,3-Dichloropropene	75.00	10.806	10.806	(0.901)	238013	100.0	95.99
34	1,1,2-Trichloroethane	97.00	11.009	11.009	(0.918)	168644	100.0	97.21
35	Tetrachloroethene	164.00	11.141	11.141	(0.929)	203033	100.0	98.25
36	2-Hexanone	43.00	11.232	11.232	(0.936)	123621	100.0	95.51
37	Dibromochloromethane	129.00	11.423	11.423	(0.952)	301213	100.0	96.29
38	1,2-Dibromoethane(EDB)	107.00	11.548	11.548	(0.963)	269538	100.0	96.13
* 39	Chlorobenzene-d5	117.00	11.994	11.994	(1.000)	287886	50.00	
40	CHLOROBENZENE **	112.00	12.020	12.020	(1.002)	477772	100.0	97.22
41	ETHYLBENZENE *	106.00	12.106	12.106	(1.009)	239405	100.0	98.57
42	p,m-Xylene	106.00	12.217	12.217	(1.019)	306907	100.0	96.98
43	o-Xylene	106.00	12.625	12.625	(1.053)	329203	100.0	98.01
44	Styrene	104.00	12.638	12.638	(1.054)	540102	100.0	98.38
45	BROMOFORM **	173.00	12.868	12.868	(1.073)	229302	100.0	96.76
$ 46	Bromofluorobenzene	95.00	13.163	13.163	(1.097)	464591	100.0	97.84
47	1,1,2,2-TETRACHLORETHANE **	83.00	13.294	13.294	(1.108)	303947	100.0	97.53
48	1,3-Dichlorobenzene	146.00	14.279	14.279	(1.191)	456383	100.0	97.31
49	1,4-Dichlorobenzene	146.00	14.365	14.365	(1.198)	498022	100.0	98.42
50	1,2-Dichlorobenzene	146.00	14.759	14.759	(1.230)	441342	100.0	97.70
51	1,2-Dibromo-3-Chloropropane	157.00	15.553	15.553	(1.297)	70876	100.0	96.12

QC Flag Legend

M - Compound response manually integrated.

Data File: /wplcsdisk1/VOA2.i/v032395.b/h1012.d

Date : 23-MAR-95 18:56

Lab Sample ID:

Instrument: VOA2.i

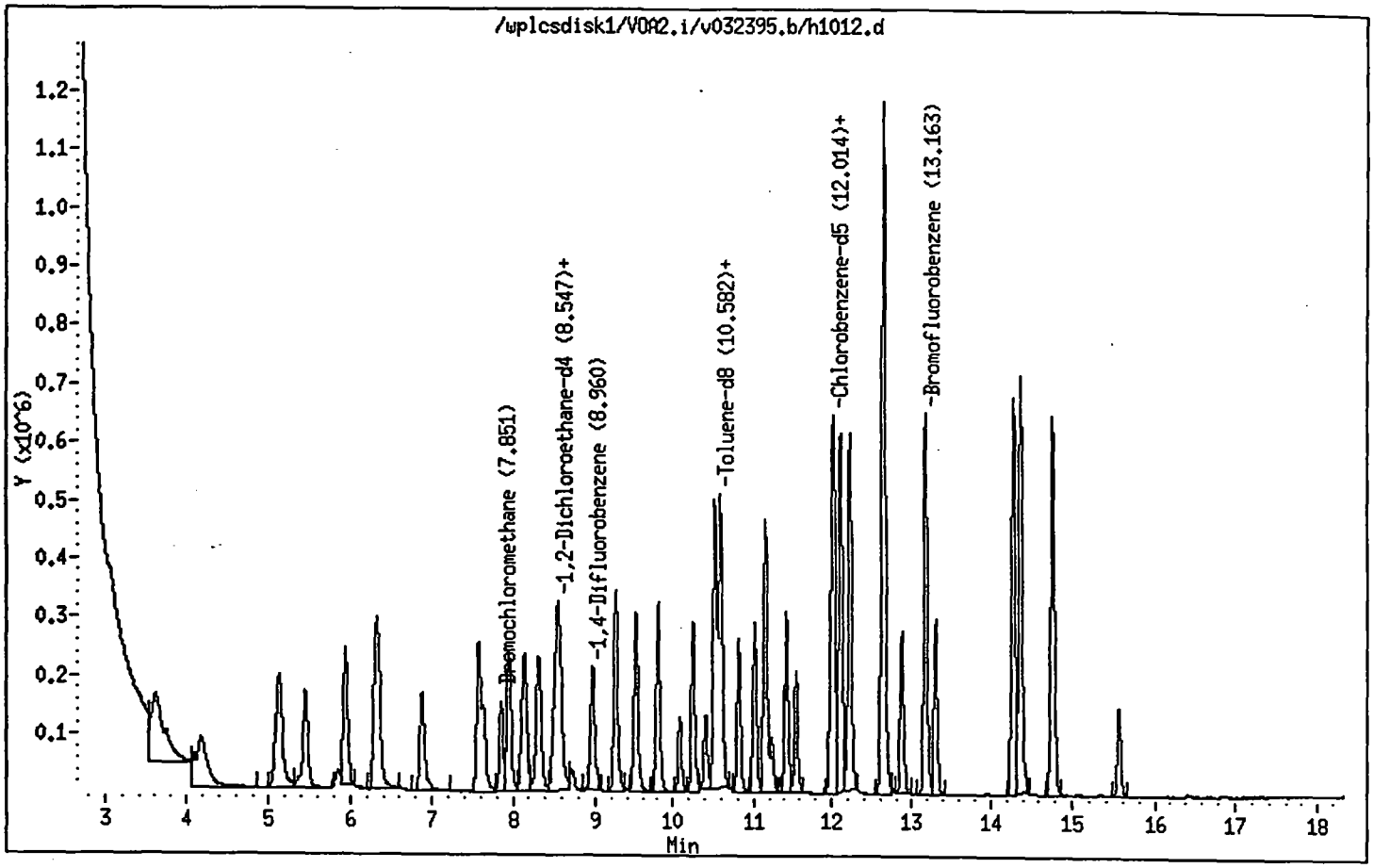
Sample Info: 0323-STD 100 WATER

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v032395.b/h1013.d
Lab Smp Id:
Inj Date : 23-MAR-1995 19:24
Operator : Inst ID: VOA2.i
Smp Info : 0323V2STD150 WATER
Misc Info : INITIAL CAL/WATER /ARR
Comment :
Method : /wplcsdisk3/msv2.i/v032395.b/voa2.m
Meth Date : 11-Apr-1995 20:57 arr Quant Type: ISTD
Cal Date : 23-MAR-1995 19:24 Cal File: h1013.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
1	CHLOROMETHANE **	50.00	2.863	2.863	(0.366)	183669	150.0	150.0
2	VINYL CHLORIDE *	62.00	3.047	3.047	(0.390)	198530	150.0	150.0
3	Bromomethane	94.00	3.573	3.573	(0.457)	209048	150.0	142.1
4	Chloroethane	64.00	3.730	3.730	(0.477)	105070	150.0	138.9(M)
5	Trichlorofluoromethane	101.00	4.131	4.131	(0.528)	309959	150.0	112.5
6	1,1-DICHLORETHENE *	96.00	5.063	5.063	(0.647)	244611	150.0	146.7
7	Acrolein	56.00	5.050	5.050	(0.646)	114624	750.0	605.2
8	Carbon Disulfide	76.00	5.385	5.385	(0.689)	732065	150.0	147.1
9	Acetone	43.00	5.372	5.372	(0.687)	58373	150.0	152.3
10	Vinyl Acetate	43.00	5.831	5.831	(0.746)	145228	150.0	143.5
11	Methylene Chloride	49.00	5.897	5.897	(0.754)	489330	150.0	140.6
12	trans-1,2-Dichloroethene	61.00	6.258	6.258	(0.800)	486322	150.0	148.4
13	Acrylonitrile	53.00	6.324	6.324	(0.809)	333371	750.0	736.3
14	1,1-DICHLORETHANE **	63.00	6.830	6.830	(0.873)	515271	150.0	142.1
15	cis-1,2-Dichloroethene	61.00	7.539	7.539	(0.964)	433417	150.0	144.8
16	2-Butanone	43.00	7.618	7.618	(0.974)	440410	750.0	672.6
* 17	Bromochloromethane	128.00	7.821	7.821	(1.000)	61708	50.00	
18	CHLOROFORM *	83.00	7.920	7.920	(1.013)	488458	150.0	141.8
19	1,1,1-Trichloroethane	97.00	8.104	8.104	(0.908)	487506	150.0	141.9
20	Carbon Tetrachloride	117.00	8.281	8.281	(0.928)	442629	150.0	140.4
$ 21	1,2-Dichloroethane-d4	65.00	8.465	8.465	(0.948)	218373	150.0	134.4
22	Benzene	78.00	8.511	8.511	(0.954)	605686	150.0	133.8
23	1,2-Dichloroethane	62.00	8.550	8.550	(0.958)	237433	150.0	128.8
* 24	1,4-Difluorobenzene	114.00	8.924	8.924	(1.000)	314720	50.00	
25	Trichloroethene	130.00	9.207	9.207	(1.032)	307484	150.0	146.2
26	1,2-DICHLORPROPANE *	63.00	9.469	9.469	(1.061)	333543	150.0	144.0
27	Bromodichloromethane	83.00	9.758	9.758	(1.093)	564707	150.0	143.5
28	2-Chloroethyl vinyl ether	65.00	10.047	10.047	(1.126)	42371	150.0	152.5
29	cis-1,3-Dichloropropene	75.00	10.211	10.211	(1.144)	416408	150.0	141.3(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	30 4-Methyl-2-Pentanone	43.00	10.369	10.369	(0.868)	285434	150.0	143.8
$	31 Toluene-d8	98.00	10.474	10.474	(0.876)	835732	150.0	146.0
	32 TOLUENE *	91.00	10.546	10.546	(0.882)	886670	150.0	147.5
	33 trans-1,3-Dichloropropene	75.00	10.770	10.770	(0.901)	336091	150.0	144.1
	34 1,1,2-Trichloroethane	97.00	10.967	10.967	(0.918)	237696	150.0	145.7
	35 Tetrachloroethene	164.00	11.105	11.105	(0.929)	286017	150.0	147.2
	36 2-Hexanone	43.00	11.196	11.196	(0.937)	170151	150.0	139.8
	37 Dibromochloromethane	129.00	11.380	11.380	(0.952)	438283	150.0	149.0
	38 1,2-Dibromoethane(EDB)	107.00	11.512	11.512	(0.963)	387144	150.0	146.8
*	39 Chlorobenzene-d5	117.00	11.952	11.952	(1.000)	270733	50.00	
	40 CHLOROBENZENE **	112.00	11.984	11.984	(1.003)	675314	150.0	146.1
	41 ETHYLBENZENE *	106.00	12.070	12.070	(1.010)	334506	150.0	146.4
	42 p,m-Xylene	106.00	12.181	12.181	(1.019)	441041	150.0	148.2
	43 o-Xylene	106.00	12.589	12.589	(1.053)	477578	150.0	151.2
	44 Styrene	104.00	12.602	12.602	(1.054)	761049	150.0	147.4
	45 BROMOFORM **	173.00	12.832	12.832	(1.074)	335043	150.0	150.3
$	46 Bromofluorobenzene	95.00	13.127	13.127	(1.098)	643026	150.0	144.0
	47 1,1,2,2-TETRACHLORETHANE **	83.00	13.258	13.258	(1.109)	440027	150.0	150.1
	48 1,3-Dichlorobenzene	146.00	14.250	14.250	(1.192)	673459	150.0	152.7
	49 1,4-Dichlorobenzene	146.00	14.335	14.335	(1.199)	725244	150.0	152.4
	50 1,2-Dichlorobenzene	146.00	14.729	14.729	(1.232)	651853	150.0	153.4
	51 1,2-Dibromo-3-Chloropropane	157.00	15.524	15.524	(1.299)	112883	150.0	162.8

QC Flag Legend

M - Compound response manually integrated.

Data File: /wplcsdisk1/VOA2.i/v032395.b/h1013.d

Date : 23-MAR-95 19:24

Lab Sample ID:

Instrument: VOA2.i

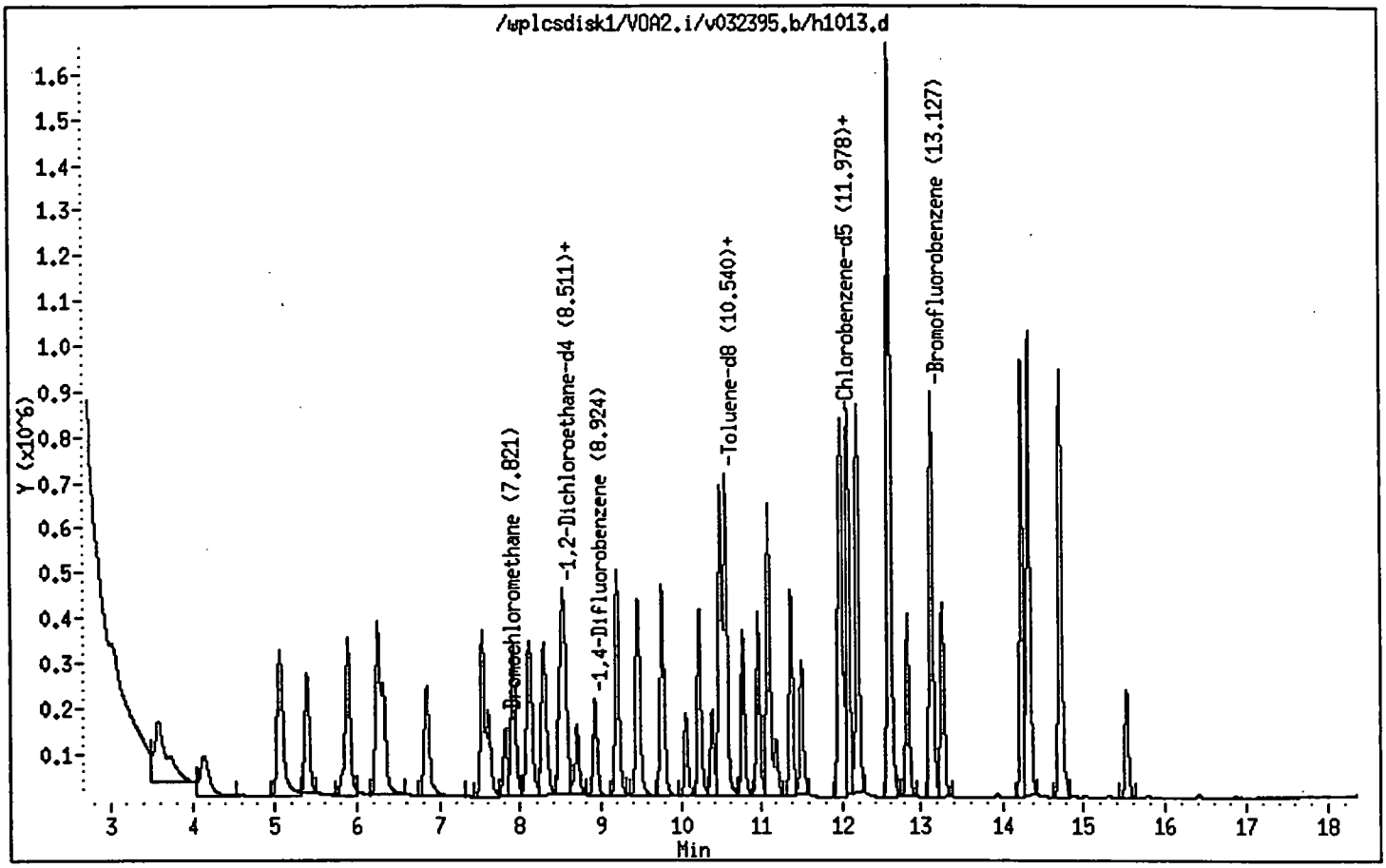
Sample Info: 0323-STD 150 WATER

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v032395.b/h1014.d
Lab Smp Id:
Inj Date : 23-MAR-1995 19:51
Operator : Inst ID: VOA2.i
Smp Info : 0323V2STD200 WATER
Misc Info : INITIAL CAL/WATER /ARR
Comment :
Method : /wplcsdisk3/msv2.i/v032395.b/voa2.m
Meth Date : 11-Apr-1995 20:57 arr Quant Type: ISTD
Cal Date : 23-MAR-1995 19:51 Cal File: h1014.d
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	ON-COL (UG/L)
1	CHLOROMETHANE **	50.00	2.880	2.880	(0.368)	244561	200.0	202.2
2	VINYL CHLORIDE *	62.00	3.057	3.057	(0.391)	262166	200.0	200.6
3	Bromomethane	94.00	3.582	3.582	(0.458)	278100	200.0	191.5
4	Chloroethane	64.00	3.740	3.740	(0.478)	135950	200.0	182.0
5	Trichlorofluoromethane	101.00	4.154	4.154	(0.531)	412938	200.0	151.7
6	1,1-DICHLORETHENE *	96.00	5.053	5.053	(0.646)	318264	200.0	193.3
7	Acrolein	56.00	5.067	5.067	(0.648)	194675	1000	1041
8	Carbon Disulfide	76.00	5.375	5.375	(0.687)	955290	200.0	194.4
9	Acetone	43.00	5.408	5.408	(0.691)	71410	200.0	188.6
10	Vinyl Acetate	43.00	5.855	5.855	(0.748)	178617	200.0	178.7
11	Methylene Chloride	49.00	5.901	5.901	(0.754)	640310	200.0	186.4
12	trans-1,2-Dichloroethene	61.00	6.268	6.268	(0.801)	621626	200.0	192.0
13	Acrylonitrile	53.00	6.354	6.354	(0.812)	433401	1000	969.4
14	1,1-DICHLORETHANE **	63.00	6.846	6.846	(0.875)	701466	200.0	195.9
15	cis-1,2-Dichloroethene	61.00	7.542	7.542	(0.964)	585063	200.0	197.9
16	2-Butanone	43.00	7.641	7.641	(0.977)	557980	1000	863.1
* 17	Bromochloromethane	128.00	7.825	7.825	(1.000)	60932	50.00	
18	CHLOROFORM *	83.00	7.923	7.923	(1.013)	641368	200.0	188.6
19	1,1,1-Trichloroethane	97.00	8.100	8.100	(0.908)	643545	200.0	191.1
20	Carbon Tetrachloride	117.00	8.278	8.278	(0.928)	602932	200.0	195.1
$ 21	1,2-Dichloroethane-d4	65.00	8.468	8.468	(0.949)	280207	200.0	176.0
22	Benzene	78.00	8.507	8.507	(0.954)	800308	200.0	180.3
23	1,2-Dichloroethane	62.00	8.553	8.553	(0.959)	303773	200.0	168.1
* 24	1,4-Difluorobenzene	114.00	8.921	8.921	(1.000)	308515	50.00	
25	Trichloroethene	130.00	9.204	9.204	(1.032)	402937	200.0	195.5
26	1,2-DICHLORPROPANE *	63.00	9.466	9.466	(1.061)	426692	200.0	187.9
27	Bromodichloromethane	83.00	9.762	9.762	(1.094)	728583	200.0	188.9
28	2-Chloroethyl vinyl ether	65.00	10.051	10.051	(1.127)	28798	200.0	105.7
29	cis-1,3-Dichloropropene	75.00	10.208	10.208	(1.144)	524546	200.0	181.6(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	30 4-Methyl-2-Pentanone	43.00	10.379	10.379	(0.868)	366556	200.0	188.0
$	31 Toluene-d8	98.00	10.477	10.477	(0.876)	1084828	200.0	192.9
	32 TOLUENE *	91.00	10.550	10.550	(0.882)	1141709	200.0	193.3
	33 trans-1,3-Dichloropropene	75.00	10.773	10.773	(0.901)	424175	200.0	185.1
	34 1,1,2-Trichloroethane	97.00	10.977	10.977	(0.918)	298897	200.0	186.5
	35 Tetrachloroethene	164.00	11.108	11.108	(0.929)	363606	200.0	190.4
	36 2-Hexanone	43.00	11.206	11.206	(0.937)	210161	200.0	175.7
	37 Dibromochloromethane	129.00	11.390	11.390	(0.952)	553221	200.0	191.4
	38 1,2-Dibromoethane(EDB)	107.00	11.515	11.515	(0.963)	489845	200.0	189.1
*	39 Chlorobenzene-d5	117.00	11.962	11.962	(1.000)	266001	50.00	
	40 CHLOROBENZENE **	112.00	11.994	11.994	(1.003)	868791	200.0	191.3
	41 ETHYLBENZENE *	106.00	12.073	12.073	(1.009)	430034	200.0	191.6
	42 p,m-Xylene	106.00	12.191	12.191	(1.019)	568365	200.0	194.4
	43 o-Xylene	106.00	12.599	12.599	(1.053)	614553	200.0	198.0
	44 Styrene	104.00	12.612	12.612	(1.054)	965542	200.0	190.3
	45 BROMOFORM **	173.00	12.842	12.842	(1.074)	428164	200.0	195.5
$	46 Bromofluorobenzene	95.00	13.137	13.137	(1.098)	813866	200.0	185.5
	47 1,1,2,2-TETRACHLORETHANE **	83.00	13.268	13.268	(1.109)	554982	200.0	192.7
	48 1,3-Dichlorobenzene	146.00	14.260	14.260	(1.192)	826349	200.0	190.7
	49 1,4-Dichlorobenzene	146.00	14.345	14.345	(1.199)	899017	200.0	192.3
	50 1,2-Dichlorobenzene	146.00	14.746	14.746	(1.233)	806487	200.0	193.2
	51 1,2-Dibromo-3-Chloropropane	157.00	15.547	15.547	(1.300)	143001	200.0	209.9

QC Flag Legend

M - Compound response manually integrated.

Data File: /wplcsdisk1/VOA2.i/v032395.b/h1014.d

Date : 23-MAR-95 19:51

Lab Sample ID:

Instrument: VOA2.i

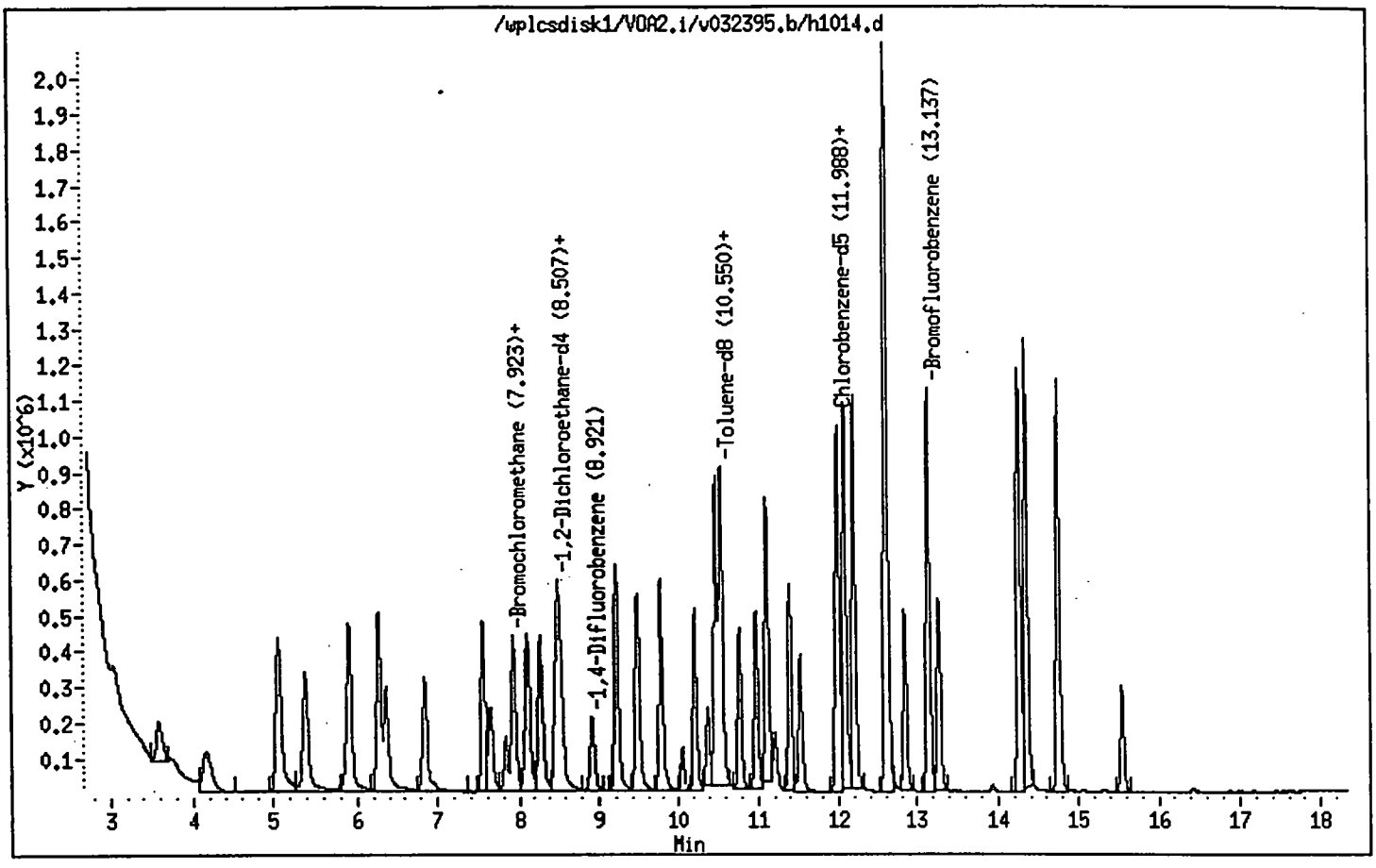
Sample Info: 0323-STD 200 WATER

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Data File: /wplcsdisk1/VOA2.i/v040395.b/h2141.d

Date : 03-APR-95 06:26

Lab Sample ID:

Instrument: VOA2.i

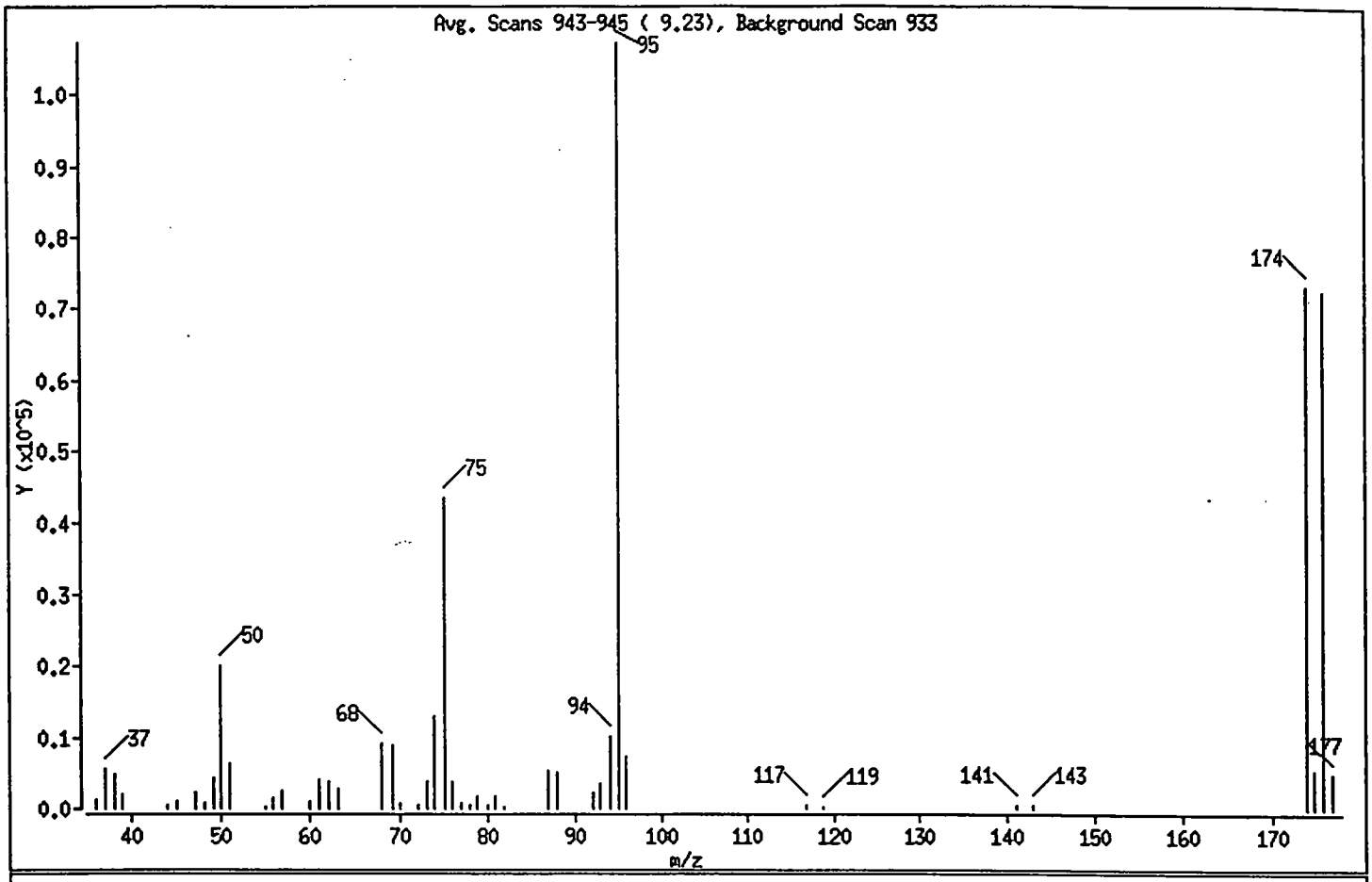
Sample Info: 0403V2BFB

Operator:

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	18.68
75	30.00 - 66.00% of mass 95	40.39
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	68.00
175	4.00 - 9.00% of mass 174	4.87 (7.16)
176	93.00 - 101.00% of mass 174	67.42 (99.16)
177	5.00 - 9.00% of mass 176	4.50 (6.68)

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2141.d

Date : 03-APR-95 06:26

Lab Sample ID:

Instrument: VOA2.i

Sample Info: 0403V2BFB

Operator:

Column phase:

Column diameter: 2.00

Data File: h2141.d
Spectrum : Avg. Scans 943-945 (9.23), Background Scan 933
Largest m/z: 95.05
Number of peaks: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	1169	56.00	1533	75.00	43408	94.05	10202
37.05	5714	57.00	2639	76.00	3915	95.05	107472
38.05	4946	59.95	968	77.00	701	96.05	7308
39.05	1933	61.05	4058	78.00	542	116.90	490
44.00	472	62.05	3817	78.90	1755	118.90	139
45.00	1126	63.05	2791	80.00	548	140.90	617
47.00	2245	67.95	9030	80.90	1798	142.90	519
48.00	687	69.05	9000	81.90	300	173.90	73080
49.00	4217	69.95	755	86.90	5245	174.90	5229
50.00	20080	71.95	518	87.90	5045	175.90	72464
51.00	6422	72.95	3737	92.05	2302	176.90	4841
55.00	203	73.95	13043	92.95	3462		

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2141.d

Date : 03-APR-95 06:26

Lab Sample ID:

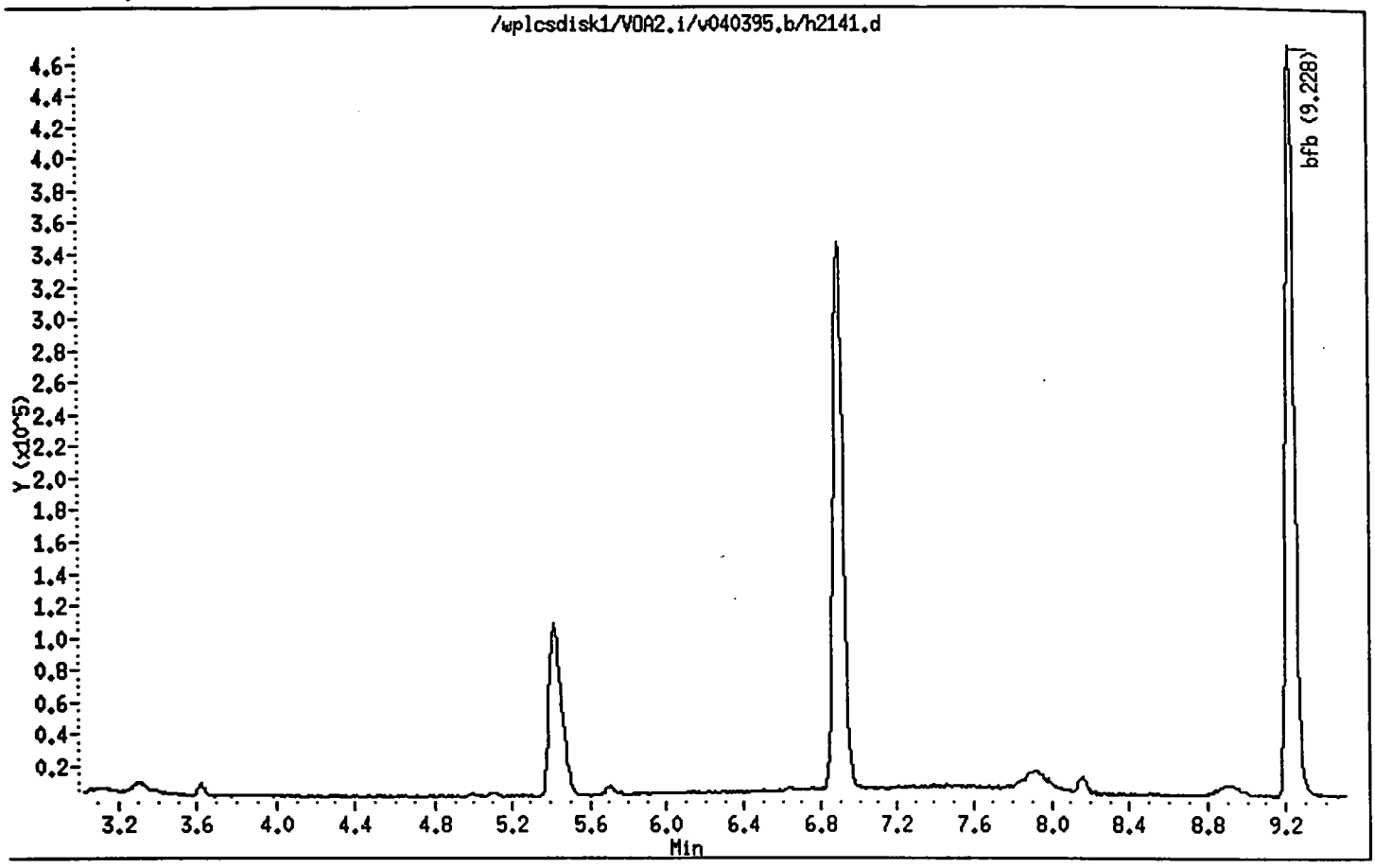
Instrument: VOA2.i

Sample Info: 0403V2BFB

Operator:

Column phase:

Column diameter: 2.00



Data File: /wplcsdisk3/msv2.i/v040395.b/h2142.d
Report Date: 11-Apr-1995 21:09

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv2.i
Lab File ID: h2142.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 03-APR-1995 06:47
Init. Calibration Date(s): 12/20/94 03/23/95
Init. Calibration Times: 13:31 19:51
Method File: /wplcsdisk3/msv2.i/v040395.b/voa2.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 CHLOROMETHANE **	0.992	0.890	0.010	10.3	25.0
	2 VINYL CHLORIDE *	1.073	0.988	0.100	7.9	25.0
	3 Bromomethane	1.192	1.091	0.100	8.5	25.0
	4 Chloroethane	0.613	0.551	0.010	10.1	25.0
	5 Trichlorofluoromethane	2.233	2.512	0.010	12.5	25.0
	6 1,1-DICHLORETHENE *	1.351	1.282	0.100	5.1	25.0
	7 Acrolein	0.153	0.011	0.010	93.1	25.0
	8 Carbon Disulfide	4.033	3.906	0.010	3.1	25.0
	9 Acetone	0.311	0.305	0.010	1.7	25.0
	10 Vinyl Acetate	0.820	0.685	0.010	16.5	25.0
	11 Methylene Chloride	2.819	2.281	0.010	19.1	25.0
	12 trans-1,2-Dichloroethene	2.656	2.349	0.010	11.5	25.0
	13 Acrylonitrile	0.367	0.307	0.010	16.2	25.0
	14 1,1-DICHLORETHANE **	2.938	2.662	0.200	9.4	25.0
	15 cis-1,2-Dichloroethene	2.426	2.120	0.010	12.6	25.0
	16 2-Butanone	0.531	0.446	0.010	15.8	25.0
	18 CHLOROFORM *	2.790	2.476	0.200	11.3	25.0
	19 1,1,1-Trichloroethane	0.546	0.428	0.100	21.6	25.0
	20 Carbon Tetrachloride	0.501	0.454	0.100	9.3	25.0
$	21 1,2-Dichloroethane-d4	0.258	0.234	0.010	9.2	25.0
	22 Benzene	0.719	0.760	0.500	5.6	25.0
	23 1,2-Dichloroethane	0.293	0.273	0.100	6.6	25.0
	25 Trichloroethene	0.334	0.342	0.300	2.3	25.0
	26 1,2-DICHLORPROPANE *	0.368	0.327	0.010	11.1	25.0
	27 Bromodichloromethane	0.625	0.551	0.200	11.9	25.0
	28 2-Chloroethyl vinyl ether	0.044	0.046	0.010	4.7	25.0
	29 cis-1,3-Dichloropropene	0.468	0.449	0.200	4.1	25.0
	30 4-Methyl-2-Pentanone	0.366	0.304	0.010	17.0	25.0
$	31 Toluene-d8	1.057	0.996	0.010	5.8	25.0
	32 TOLUENE *	1.110	1.126	0.400	1.4	25.0
	33 trans-1,3-Dichloropropene	0.431	0.427	0.100	0.9	25.0
	34 1,1,2-Trichloroethane	0.301	0.302	0.100	0.3	25.0
	35 Tetrachloroethene	0.359	0.382	0.200	6.3	25.0
	36 2-Hexanone	0.225	0.202	0.010	10.2	25.0
	37 Dibromochloromethane	0.543	0.549	0.100	1.1	25.0
	38 1,2-Dibromoethane(EDB)	0.487	0.490	0.010	0.6	25.0
	40 CHLOROBENZENE **	0.854	0.885	0.500	3.7	25.0
	41 ETHYLBENZENE *	0.422	0.428	0.100	1.5	25.0
	42 p,m-Xylene	0.550	0.568	0.300	3.3	25.0
	43 o-Xylene	0.583	0.561	0.010	3.8	25.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv2.i
Lab File ID: h2142.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 03-APR-1995 06:47
Init. Calibration Date(s): 12/20/94 03/23/95
Init. Calibration Times: 13:31 19:51
Method File: /wplcsdisk3/msv2.i/v040395.b/voa2.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	44 Styrene	0.953	0.966	0.300	1.3	25.0
	45 BROMOFORM **	0.412	0.399	0.100	3.1	25.0
$	46 Bromofluorobenzene	0.825	0.762	0.200	7.6	25.0
	47 1,1,2,2-TETRACHLORETHANE **	0.541	0.470	0.500	13.2	25.0
	48 1,3-Dichlorobenzene	0.815	0.826	0.010	1.4	25.0
	49 1,4-Dichlorobenzene	0.879	0.889	0.010	1.2	25.0
	50 1,2-Dichlorobenzene	0.785	0.778	0.010	0.8	25.0
	51 1,2-Dibromo-3-Chloropropane	0.128	0.112	0.010	12.8	25.0

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2142.d
Lab Smp Id:
Inj Date : 03-APR-1995 06:47
Operator : Inst ID: msv2.i
Smp Info : 950403V2-STD 50
Misc Info : CALIB. CAL/ARR/STD50 WATER
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 11-Apr-1995 21:18 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	ON-COL (UG/L)
1	CHLOROMETHANE **	50.00	3.006	3.006	(0.375)	68531	50.00	44.86
2	VINYL CHLORIDE *	62.00	3.203	3.203	(0.400)	76033	50.00	46.05
3	Bromomethane	94.00	3.761	3.761	(0.470)	83965	50.00	45.77
4	Chloroethane	64.00	3.899	3.899	(0.487)	42405	50.00	44.95(M)
5	Trichlorofluoromethane	101.00	4.378	4.378	(0.547)	193359	50.00	56.25
6	1,1-DICHLORETHENE *	96.00	5.304	5.304	(0.662)	98646	50.00	47.43
7	Acrolein	56.00	5.225	5.225	(0.652)	4090	250.0	17.31(M)
8	Carbon Disulfide	76.00	5.626	5.626	(0.702)	300665	50.00	48.43
9	Acetone	43.00	5.501	5.501	(0.687)	23503	50.00	49.15
10	Vinyl Acetate	43.00	5.980	5.980	(0.747)	52696	50.00	41.73(Q)
11	Methylene Chloride	49.00	6.092	6.092	(0.761)	175556	50.00	40.46
12	trans-1,2-Dichloroethene	61.00	6.460	6.460	(0.806)	180841	50.00	44.23
13	Acrylonitrile	53.00	6.486	6.486	(0.810)	118325	250.0	209.5
14	1,1-DICHLORETHANE **	63.00	7.024	7.024	(0.877)	204926	50.00	45.30
15	cis-1,2-Dichloroethene	61.00	7.727	7.727	(0.965)	163184	50.00	43.70
16	2-Butanone	43.00	7.780	7.780	(0.971)	171824	250.0	210.4
* 17	Bromochloromethane	128.00	8.009	8.009	(1.000)	76973	50.00	
18	CHLOROFORM *	83.00	8.101	8.101	(1.011)	190589	50.00	44.37
19	1,1,1-Trichloroethane	97.00	8.292	8.292	(0.910)	179965	50.00	39.19
20	Carbon Tetrachloride	117.00	8.469	8.469	(0.929)	191077	50.00	45.34
$ 21	1,2-Dichloroethane-d4	65.00	8.653	8.653	(0.950)	98531	50.00	45.38
22	Benzene	78.00	8.705	8.705	(0.955)	319551	50.00	52.79
23	1,2-Dichloroethane	62.00	8.738	8.738	(0.959)	115021	50.00	46.68
* 24	1,4-Difluorobenzene	114.00	9.113	9.113	(1.000)	420730	50.00	
25	Trichloroethene	130.00	9.395	9.395	(1.031)	143767	50.00	51.15
26	1,2-DICHLORPROPANE *	63.00	9.645	9.645	(1.058)	137710	50.00	44.46
27	Bromodichloromethane	83.00	9.933	9.933	(1.090)	231760	50.00	44.06
28	2-Chloroethyl vinyl ether	65.00	10.203	10.203	(1.120)	19441	50.00	52.33
29	cis-1,3-Dichloropropene	75.00	10.373	10.373	(1.138)	188950	50.00	47.97(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	ON-COL (UG/L)
30	4-Methyl-2-Pentanone	43.00	10.524	10.524	(0.869)	106653	50.00	41.51
$ 31	Toluene-d8	98.00	10.643	10.643	(0.879)	349050	50.00	47.11
32	TOLUENE *	91.00	10.708	10.708	(0.884)	394640	50.00	50.70
33	trans-1,3-Dichloropropene	75.00	10.932	10.932	(0.903)	149618	50.00	49.56
34	1,1,2-Trichloroethane	97.00	11.129	11.129	(0.919)	105882	50.00	50.13
35	Tetrachloroethene	164.00	11.266	11.266	(0.931)	133740	50.00	53.15
36	2-Hexanone	43.00	11.352	11.352	(0.938)	70726	50.00	44.88
37	Dibromochloromethane	129.00	11.542	11.542	(0.953)	192439	50.00	50.52
38	1,2-Dibromoethane(EDB)	107.00	11.667	11.667	(0.964)	171675	50.00	50.29
* 39	Chlorobenzene-d5	117.00	12.107	12.107	(1.000)	350520	50.00	
40	CHLOROBENZENE **	112.00	12.140	12.140	(1.003)	310351	50.00	51.86
41	ETHYLBENZENE *	106.00	12.219	12.219	(1.009)	150013	50.00	50.73
42	p,m-Xylene	106.00	12.337	12.337	(1.019)	198990	50.00	51.64
43	o-Xylene	106.00	12.737	12.737	(1.052)	196713	50.00	48.10
44	Styrene	104.00	12.751	12.751	(1.053)	338530	50.00	50.64
45	BROMOFORM **	173.00	12.987	12.987	(1.073)	139804	50.00	48.45
$ 46	Bromofluorobenzene	95.00	13.276	13.276	(1.097)	267067	50.00	46.19
47	1,1,2,2-TETRACHLORETHANE **	83.00	13.407	13.407	(1.107)	164748	50.00	43.42
48	1,3-Dichlorobenzene	146.00	14.392	14.392	(1.189)	289538	50.00	50.70
49	1,4-Dichlorobenzene	146.00	14.478	14.478	(1.196)	311608	50.00	50.58
50	1,2-Dichlorobenzene	146.00	14.872	14.872	(1.228)	272739	50.00	49.59
51	1,2-Dibromo-3-Chloropropane	157.00	15.666	15.666	(1.294)	39161	50.00	43.62

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2142.d

Date : 03-APR-1995 06:47

Lab Sample ID:

Instrument: VOA2.i

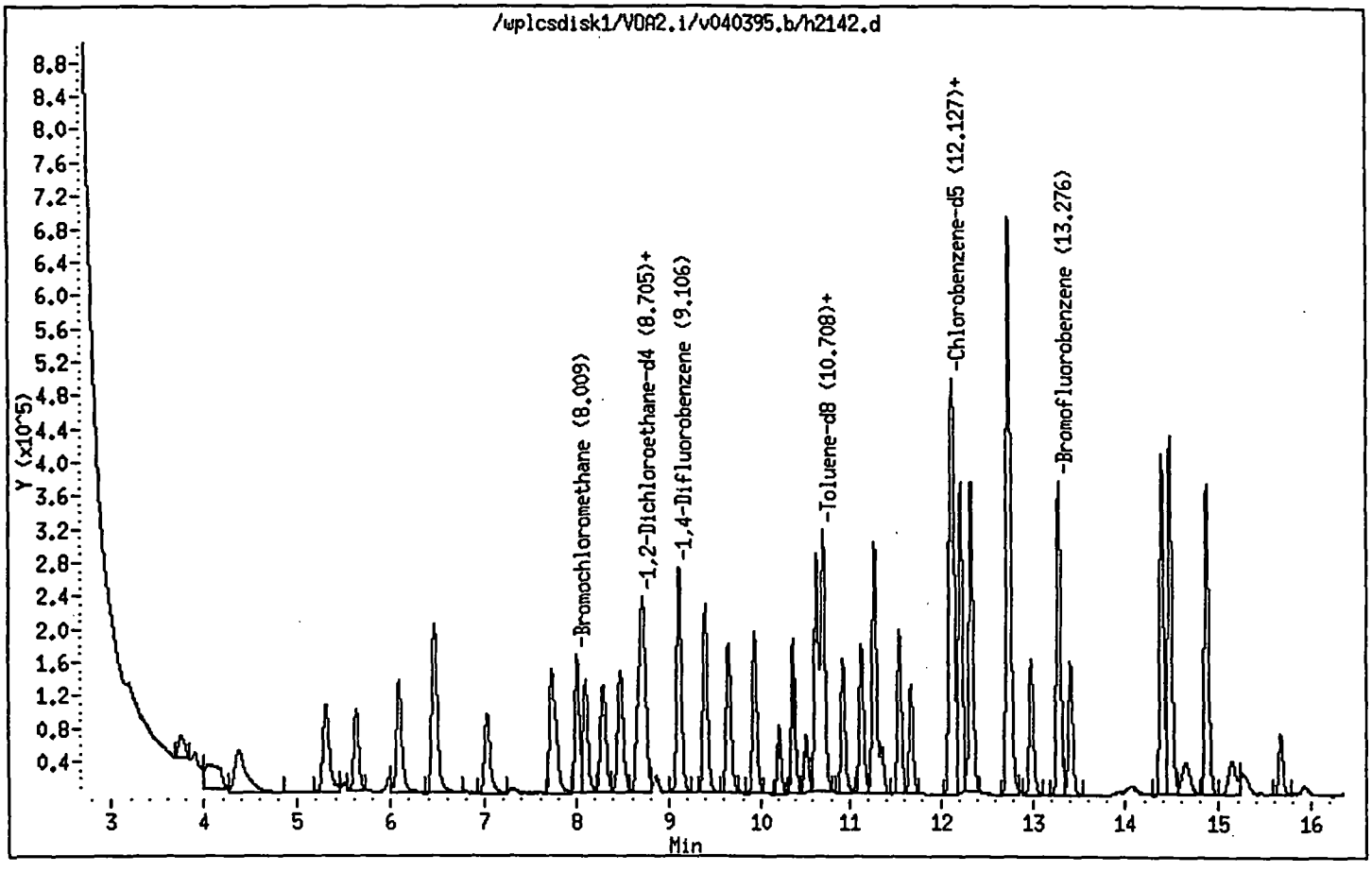
Sample Info: 950403V2-STD 50

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Data File: /wplcsdisk3/msv2.i/v040595.b/h2200.d

Date : 05-APR-95 15:21

Lab Sample ID:

Instrument: msv2.i

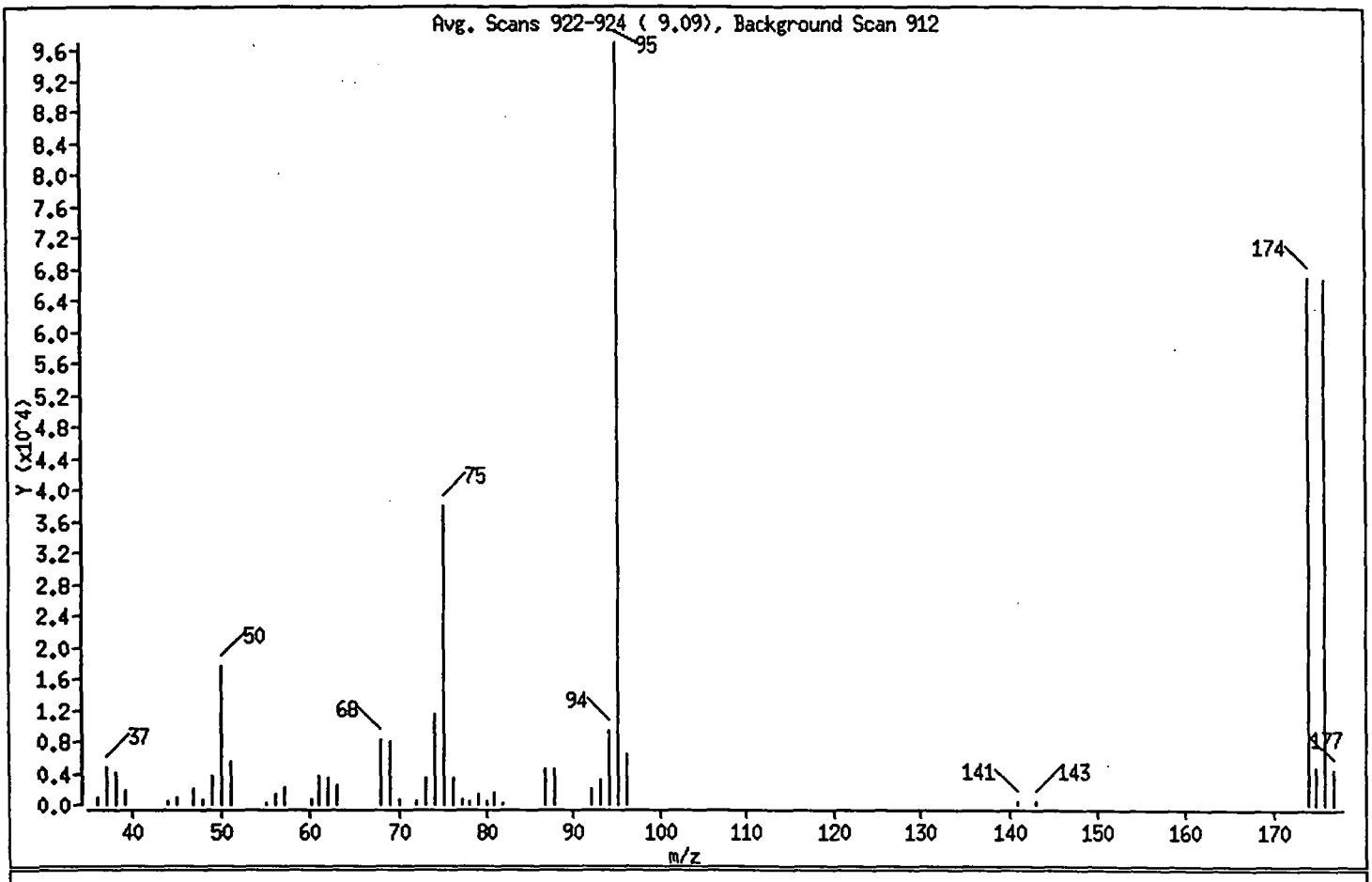
Sample Info: 0405V2BFB

Operator:

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	18.16
75	30.00 - 66.00% of mass 95	39.26
96	5.00 - 9.00% of mass 95	6.68
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	69.38
175	4.00 - 9.00% of mass 174	4.91 (7.08)
176	93.00 - 101.00% of mass 174	69.15 (99.66)
177	5.00 - 9.00% of mass 176	4.73 (6.84)

Data File: /wplcsdisk3/msv2.i/v040595.b/h2200.d

Date : 05-APR-95 15:21

Lab Sample ID:

Instrument: msv2.i

Sample Info: 0405V2BFB

Operator:

Column phase:

Column diameter: 2.00

Data File: h2200.d
Spectrum : Avg. Scans 922-924 (9.09), Background Scan 912
Largest m/z: 95.05
Number of peaks: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.95	1000	56.00	1265	75.00	38000	94.05	9401
37.05	4906	57.00	2302	76.00	3424	95.05	96808
38.05	4233	60.05	781	77.00	640	96.05	6470
39.05	1733	61.05	3597	78.00	465	140.90	517
44.00	365	62.05	3435	78.90	1379	142.90	491
45.00	896	63.05	2406	79.90	445	173.90	67168
47.00	1960	67.95	8230	80.90	1500	174.90	4758
47.90	625	69.05	7978	81.90	143	175.90	66936
49.00	3551	70.05	632	86.90	4475	176.90	4580
50.00	17576	71.95	460	87.90	4686		
51.00	5428	73.05	3336	91.95	2053		
55.00	297	73.95	11359	93.05	3092		

Data File: /wplcsdisk3/msv2.i/v040595.b/h2200.d

Date : 05-APR-95 15:21

Lab Sample ID:

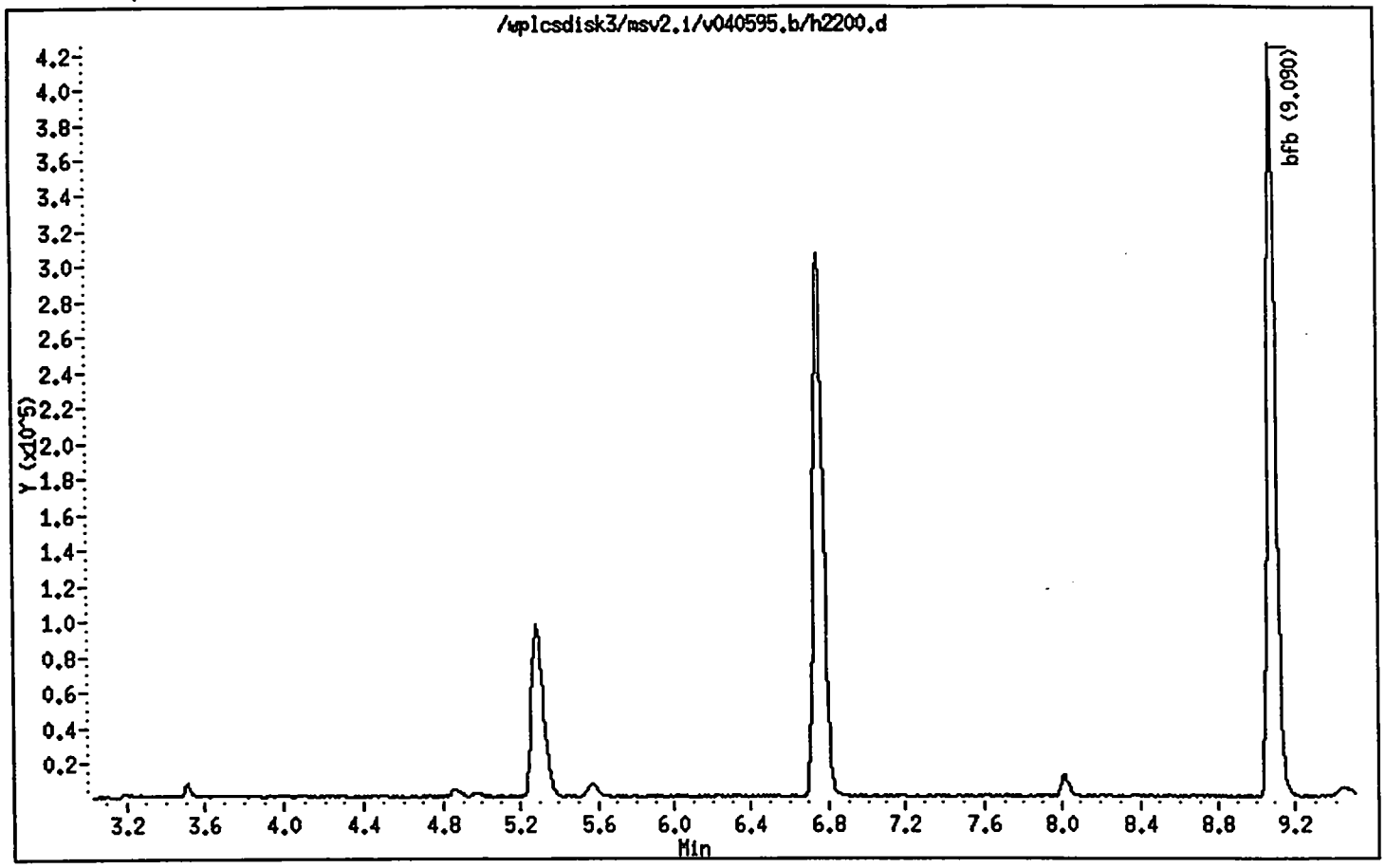
Instrument: msv2.i

Sample Info: 0405Y2BFB

Operator:

Column phase:

Column diameter: 2.00



Data File: /wplcsdisk3/msv2.i/v040595.b/h2203.d
Report Date: 11-Apr-1995 21:36

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv2.i
Lab File ID: h2203.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 05-APR-1995 16:39
Init. Calibration Date(s): 12/20/94 03/23/95
Init. Calibration Times: 13:31 19:51
Method File: /wplcsdisk3/msv2.i/v040595.b/voa2.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 CHLOROMETHANE **	0.992	0.909	0.010	8.4	25.0
	2 VINYL CHLORIDE *	1.073	0.973	0.100	9.3	25.0
	3 Bromomethane	1.192	1.166	0.100	2.1	25.0
	4 Chloroethane	0.613	0.543	0.010	11.4	25.0
	5 Trichlorofluoromethane	2.233	2.390	0.010	7.0	25.0
	6 1,1-DICHLORETHENE *	1.351	1.332	0.100	1.4	25.0
	7 Acrolein	0.153	0.084	0.010	45.2	25.0
	8 Carbon Disulfide	4.033	3.886	0.010	3.6	25.0
	9 Acetone	0.311	0.335	0.010	7.7	25.0
	10 Vinyl Acetate	0.820	0.838	0.010	2.2	25.0
	11 Methylene Chloride	2.819	2.282	0.010	19.0	25.0
	12 trans-1,2-Dichloroethene	2.656	2.417	0.010	9.0	25.0
	13 Acrylonitrile	0.367	0.347	0.010	5.5	25.0
	14 1,1-DICHLORETHANE **	2.938	2.779	0.200	5.4	25.0
	15 cis-1,2-Dichloroethene	2.426	2.126	0.010	12.4	25.0
	16 2-Butanone	0.531	0.525	0.010	1.0	25.0
	18 CHLOROFORM *	2.790	2.606	0.200	6.6	25.0
	19 1,1,1-Trichloroethane	0.546	0.432	0.100	20.9	25.0
	20 Carbon Tetrachloride	0.501	0.469	0.100	6.3	25.0
$	21 1,2-Dichloroethane-d4	0.258	0.242	0.010	6.3	25.0
	22 Benzene	0.719	0.806	0.500	12.0	25.0
	23 1,2-Dichloroethane	0.293	0.300	0.100	2.6	25.0
	25 Trichloroethene	0.334	0.380	0.300	13.8	25.0
	26 1,2-DICHLORPROPANE *	0.368	0.368	0.010	0.1	25.0
	27 Bromodichloromethane	0.625	0.614	0.200	1.7	25.0
	28 2-Chloroethyl vinyl ether	0.044	0.056	0.010	26.2	25.0
	29 cis-1,3-Dichloropropene	0.468	0.508	0.200	8.6	25.0
	30 4-Methyl-2-Pentanone	0.366	0.368	0.010	0.3	25.0
$	31 Toluene-d8	1.057	0.998	0.010	5.5	25.0
	32 TOLUENE *	1.110	1.217	0.400	9.6	25.0
	33 trans-1,3-Dichloropropene	0.431	0.487	0.100	13.0	25.0
	34 1,1,2-Trichloroethane	0.301	0.358	0.100	18.7	25.0
	35 Tetrachloroethene	0.359	0.418	0.200	16.5	25.0
	36 2-Hexanone	0.225	0.243	0.010	8.2	25.0
	37 Dibromochloromethane	0.543	0.634	0.100	16.7	25.0
	38 1,2-Dibromoethane(EDB)	0.487	0.550	0.010	13.0	25.0
	40 CHLOROBENZENE **	0.854	0.964	0.500	12.9	25.0
	41 ETHYLBENZENE *	0.422	0.460	0.100	9.1	25.0
	42 p,m-Xylene	0.550	0.607	0.300	10.4	25.0
	43 o-Xylene	0.583	0.602	0.010	3.1	25.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv2.i
Lab File ID: h2203.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 05-APR-1995 16:39
Init. Calibration Date(s): 12/20/94 03/23/95
Init. Calibration Times: 13:31 19:51
Method File: /wplcsdisk3/msv2.i/v040595.b/voa2.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	44 Styrene	0.953	1.046	0.300	9.7	25.0
	45 BROMOFORM **	0.412	0.474	0.100	15.3	25.0
$	46 Bromofluorobenzene	0.825	0.747	0.200	9.4	25.0
	47 1,1,2,2-TETRACHLORETHANE **	0.541	0.570	0.500	5.3	25.0
	48 1,3-Dichlorobenzene	0.815	0.864	0.010	6.1	25.0
	49 1,4-Dichlorobenzene	0.879	0.916	0.010	4.2	25.0
	50 1,2-Dichlorobenzene	0.785	0.818	0.010	4.2	25.0
	51 1,2-Dibromo-3-Chloropropane	0.128	0.134	0.010	5.0	25.0

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040595.b/h2203.d
Lab Smp Id:
Inj Date : 05-APR-1995 16:39
Operator : Inst ID: msv2.i
Smp Info : 0405V2STD050
Misc Info : CON CAL/DMM
Comment :
Method : /wplcsdisk3/msv2.i/v040595.b/voa2.m
Meth Date : 11-Apr-1995 21:31 arr Quant Type: ISTD
Cal Date : 05-APR-1995 16:39 Cal File: h2203.d
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
1	CHLOROMETHANE **	50.00	2.906	2.906	(0.369)	66471	50.00	45.82
2	VINYL CHLORIDE *	62.00	3.083	3.083	(0.391)	71079	50.00	45.34
3	Bromomethane	94.00	3.635	3.635	(0.461)	85238	50.00	48.94(M)
4	Chloroethane	64.00	3.760	3.760	(0.477)	39663	50.00	44.28
5	Trichlorofluoromethane	101.00	4.232	4.232	(0.537)	174683	50.00	53.52
6	1,1-DICHLORETHENE *	96.00	5.152	5.152	(0.653)	97323	50.00	49.28
7	Acrolein	56.00	5.060	5.060	(0.642)	30742	250.0	137.0(M)
8	Carbon Disulfide	76.00	5.474	5.474	(0.694)	284028	50.00	48.18
9	Acetone	43.00	5.355	5.355	(0.679)	24459	50.00	53.87
10	Vinyl Acetate	43.00	5.841	5.841	(0.741)	61261	50.00	51.09(Q)
11	Methylene Chloride	49.00	5.946	5.946	(0.754)	166779	50.00	40.48
12	trans-1,2-Dichloroethene	61.00	6.314	6.314	(0.801)	176616	50.00	45.49
13	Acrylonitrile	53.00	6.347	6.347	(0.805)	126739	250.0	236.3
14	1,1-DICHLORETHANE **	63.00	6.885	6.885	(0.873)	203123	50.00	47.29
15	cis-1,2-Dichloroethene	61.00	7.595	7.595	(0.963)	155359	50.00	43.82
16	2-Butanone	43.00	7.654	7.654	(0.971)	191924	250.0	247.5
* 17	Bromochloromethane	128.00	7.883	7.883	(1.000)	73087	50.00	
18	CHLOROFORM *	83.00	7.969	7.969	(1.011)	190453	50.00	46.70
19	1,1,1-Trichloroethane	97.00	8.159	8.159	(0.988)	171267	50.00	39.56
20	Carbon Tetrachloride	117.00	8.343	8.343	(0.928)	186156	50.00	46.85
$ 21	1,2-Dichloroethane-d4	65.00	8.527	8.527	(0.949)	95885	50.00	46.84
22	Benzene	78.00	8.580	8.580	(0.955)	319622	50.00	56.00
23	1,2-Dichloroethane	62.00	8.612	8.612	(0.958)	119154	50.00	51.30
* 24	1,4-Difluorobenzene	114.00	8.987	8.987	(1.000)	396661	50.00	
25	Trichloroethene	130.00	9.269	9.269	(1.031)	150815	50.00	56.91
26	1,2-DICHLORPROPANE *	63.00	9.525	9.525	(1.060)	145797	50.00	49.93
27	Bromodichloromethane	83.00	9.814	9.814	(1.092)	243682	50.00	49.13
28	2-Chloroethyl vinyl ether	65.00	10.096	10.096	(1.123)	22107	50.00	63.11
29	cis-1,3-Dichloropropene	75.00	10.261	10.261	(1.142)	201545	50.00	54.28(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	30 4-Methyl-2-Pentanone	43.00	10.412	10.412	(0.868)	121967	50.00	50.15
$	31 Toluene-d8	98.00	10.523	10.523	(0.877)	331276	50.00	47.23
	32 TOLUENE *	91.00	10.596	10.596	(0.883)	403835	50.00	54.81
	33 trans-1,3-Dichloropropene	75.00	10.812	10.812	(0.901)	161450	50.00	56.49
	34 1,1,2-Trichloroethane	97.00	11.009	11.009	(0.917)	118672	50.00	59.34
	35 Tetrachloroethene	164.00	11.154	11.154	(0.929)	138703	50.00	58.23
	36 2-Hexanone	43.00	11.239	11.239	(0.937)	80736	50.00	54.12
	37 Dibromochloromethane	129.00	11.423	11.423	(0.952)	210432	50.00	58.36
	38 1,2-Dibromoethane(EDB)	107.00	11.554	11.554	(0.963)	182657	50.00	56.52
*	39 Chlorobenzene-d5	117.00	12.001	12.001	(1.000)	331828	50.00	
	40 CHLOROBENZENE **	112.00	12.027	12.027	(1.002)	319747	50.00	56.45
	41 ETHYLBENZENE *	106.00	12.106	12.106	(1.009)	152717	50.00	54.55
	42 p,m-Xylene	106.00	12.224	12.224	(1.019)	201307	50.00	55.19
	43 o-Xylene	106.00	12.631	12.631	(1.053)	199658	50.00	51.57
	44 Styrene	104.00	12.644	12.644	(1.054)	347063	50.00	54.85
	45 BROMOFORM **	173.00	12.874	12.874	(1.073)	157400	50.00	57.63
$	46 Bromofluorobenzene	95.00	13.170	13.170	(1.097)	247978	50.00	45.31
	47 1,1,2,2-TETRACHLORETHANE **	83.00	13.294	13.294	(1.108)	189051	50.00	52.63
	48 1,3-Dichlorobenzene	146.00	14.286	14.286	(1.190)	286702	50.00	53.03
	49 1,4-Dichlorobenzene	146.00	14.371	14.371	(1.198)	303943	50.00	52.11
	50 1,2-Dichlorobenzene	146.00	14.759	14.759	(1.230)	271337	50.00	52.11
	51 1,2-Dibromo-3-Chloropropane	157.00	15.553	15.553	(1.296)	44616	50.00	52.49

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: /wplcsdisk3/msv2.i/v040595.b/h2203.d

Date : 05-APR-95 16:39

Lab Sample ID:

Instrument: msv2.i

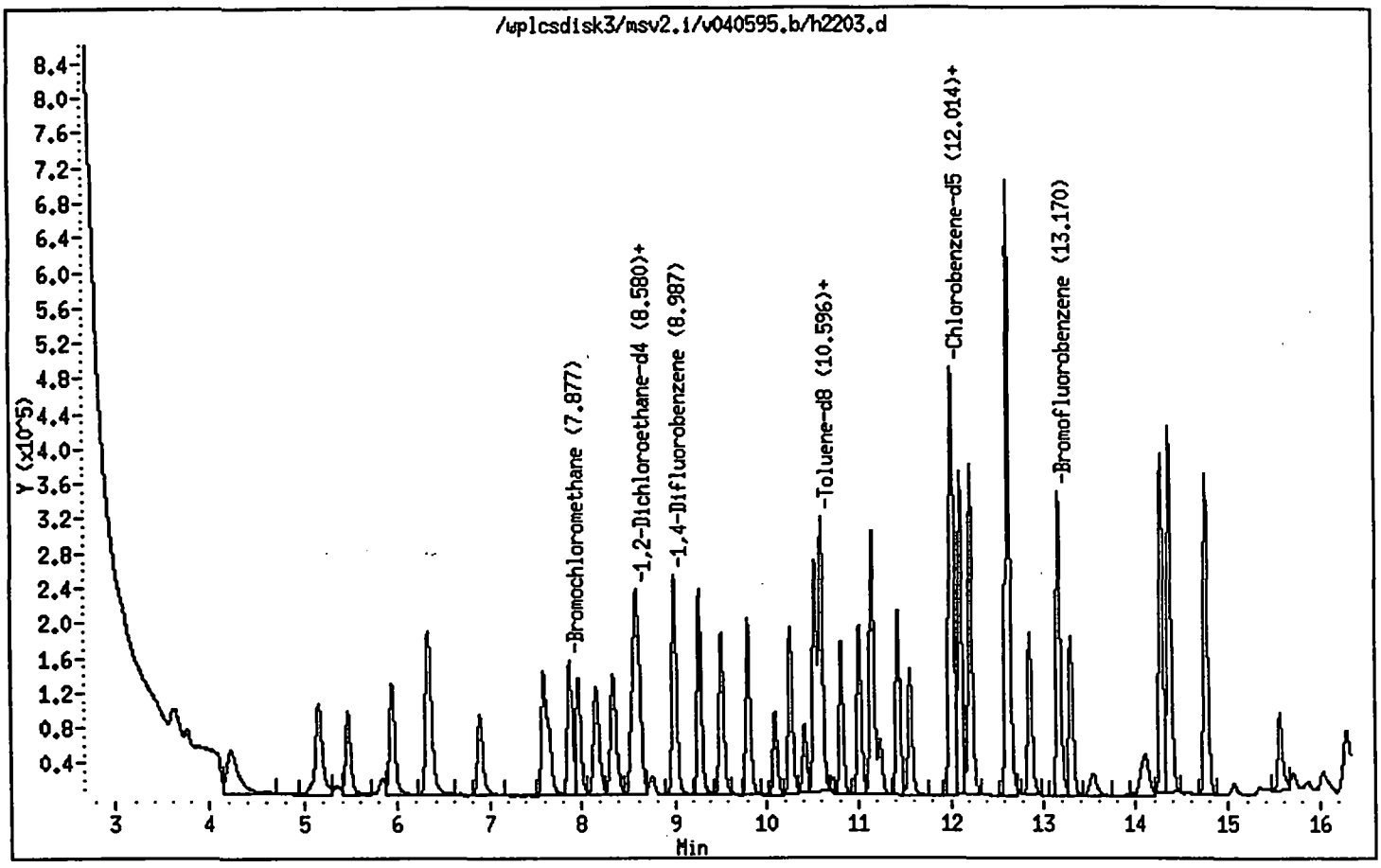
Sample Info: 0405V2STD050

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



LAB NAME	: INCHCAPE TESTING SERVICES	GROUP NO.	: 9502320
MATRIX	: WATER	LAB SAMPLE ID:	950403V2BLK
DILUTION FACTOR:	1.0	LAB FILE ID	: H2143
		DATE ANALYZED:	04/03/95 07:10

PARAMETER	Regulatory Limit in TLCP(1) Extract(mg/L)	Quantitation Limit (mg/L)	Sample Result (mg/L)
Benzene	0.5	0.005	<DL
Carbon tetrachloride	0.5	0.005	<DL
Chlorobenzene	100.0	0.005	<DL
Chloroform	6.0	0.005	<DL
1,2-Dichloroethane	0.5	0.005	<DL
1,1-Dichloroethylene	0.7	0.005	<DL
Methyl ethyl ketone	200.0	0.025	<DL
Tetrachloroethylene	0.7	0.005	<DL
Trichloroethylene	0.5	0.005	<DL
Vinyl Chloride	0.2	0.005	<DL

(1)Toxicity Characteristic Leaching Procedure, ZHE Protocol

SURROGATE RECOVERY	
1,2-Dichloroethane-d4:	93
Toluene:	99
4-Bromofluorobenzene:	98

ppe

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2143.d
Lab Smp Id:
Inj Date : 03-APR-1995 07:10
Operator : Inst ID: msv2.i
Smp Info : 950403V2-BLK
Misc Info : METHOD BLK/WATER/ARR
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 13-Apr-1995 14:45 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 3
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	11 Methylene Chloride	49.00	6.080	6.092	(0.762)	6876	1.983	1.983(a)
*	17 Bromochloromethane	128.00	7.978	8.009	(1.000)	76002	50.00	
$	21 1,2-Dichloroethane-d4	65.00	8.615	8.653	(0.950)	93261	46.53	46.53
*	24 1,4-Difluorobenzene	114.00	9.068	9.113	(1.000)	427942	50.00	
$	31 Toluene-d8	98.00	10.598	10.643	(0.878)	351805	49.62	49.62
*	39 Chlorobenzene-d5	117.00	12.069	12.107	(1.000)	355996	50.00	
	40 CHLOROBENZENE **	112.00	12.095	12.140	(1.002)	3827	0.6071	0.6071(aQ)
	41 ETHYLBENZENE *	106.00	12.292	12.219	(1.018)	962	0.3157	0.3157(a)
	42 p,m-Xylene	106.00	12.292	12.337	(1.018)	962	0.2380	0.2380(a)
	43 o-Xylene	106.00	12.292	12.737	(1.018)	962	0.2408	0.2408(a)
$	46 Bromofluorobenzene	95.00	13.238	13.276	(1.097)	266041	49.04	49.04
	48 1,3-Dichlorobenzene	146.00	14.347	14.392	(1.189)	573	0.09743	0.09743(a)
	49 1,4-Dichlorobenzene	146.00	14.433	14.478	(1.196)	1206	0.1905	0.1905(aQ)
	50 1,2-Dichlorobenzene	146.00	14.433	14.872	(1.196)	1206	0.2177	0.2177(aQ)
	51 1,2-Dibromo-3-Chloropropane	157.00	15.628	15.666	(1.295)	497	0.6248	0.6248(aQ)

QC Flag Legend

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

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2143.d

Date : 03-APR-95 07:10

Lab Sample ID:

Instrument: VOA2.i

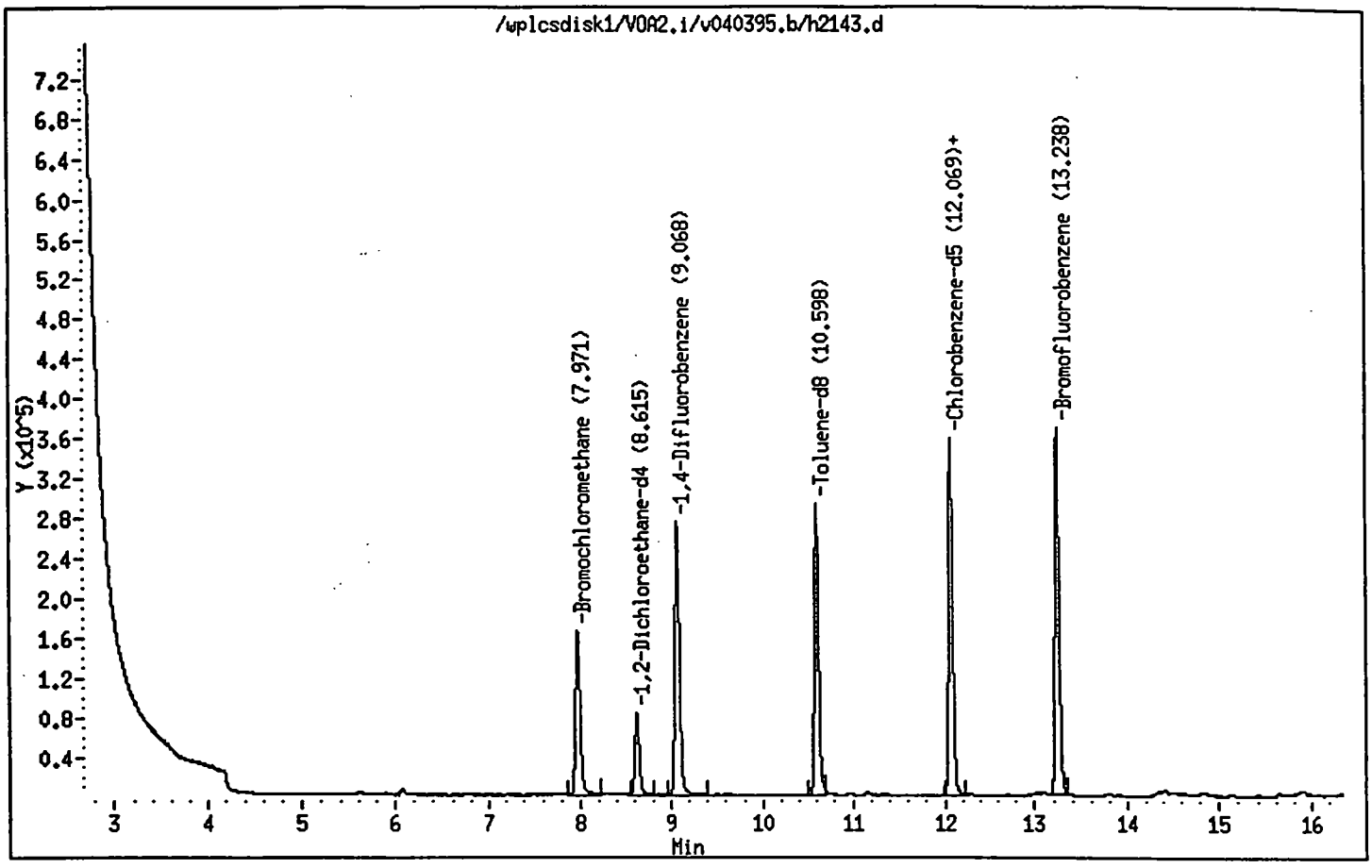
Sample Info: 950403V2-BLK

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: VOA2.i
Lab File ID: h2143.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk1/VOA2.i/v040395.b/voa2.m
Misc Info: METHOD BLK/WATER/ARR

Calibration Date: 04/03/95
Calibration Time: 0647

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	76973	38486	153946	76002	-1.26
24 1,4-Difluorobenzene	420730	210365	841460	427942	1.71
39 Chlorobenzene-d5	350520	175260	701040	355996	1.56

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	8.01	7.51	8.51	7.98	-0.40
24 1,4-Difluorobenzene	9.11	8.61	9.61	9.07	-0.49
39 Chlorobenzene-d5	12.11	11.61	12.61	12.07	-0.32

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.

LAB NAME	: INCHCAPE TESTING SERVICES	GROUP NO.	: 9502320
MATRIX	: WATER	LAB SAMPLE ID:	0405V2BLK01
DILUTION FACTOR:	1.0	LAB FILE ID	: H2204
		DATE ANALYZED:	04/05/95 17:15

PARAMETER	Regulatory Limit in TLCP(1) Extract(mg/L)	Quantitation Limit (mg/L)	Sample Result (mg/L)
Benzene	0.5	0.005	<DL
Carbon tetrachloride	0.5	0.005	<DL
Chlorobenzene	100.0	0.005	<DL
Chloroform	6.0	0.005	<DL
1,2-Dichloroethane	0.5	0.005	<DL
1,1-Dichloroethylene	0.7	0.005	<DL
Methyl ethyl ketone	200.0	0.025	<DL
Tetrachloroethylene	0.7	0.005	<DL
Trichloroethylene	0.5	0.005	<DL
Vinyl Chloride	0.2	0.005	<DL

(1)Toxicity Characteristic Leaching Procedure, ZHE Protocol

SURROGATE RECOVERY	
1,2-Dichloroethane-d4:	86
Toluene:	100
4-Bromofluorobenzene:	100

ppe

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040595.b/h2204.d
Lab Smp Id:
Inj Date : 05-APR-1995 17:15
Operator : Inst ID: msv2.i
Smp Info : 0405V2BLK 01
Misc Info : METHOD BLANK/JS
Comment :
Method : /wplcsdisk3/msv2.i/v040595.b/voa2.m
Meth Date : 11-Apr-1995 21:31 arr Quant Type: ISTD
Cal Date : 05-APR-1995 16:39 Cal File: h2203.d
Als bottle: 6
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	11 Methylene Chloride	49.00	5.969	5.946	(0.757)	3667	1.251	1.251(aQ)
*	17 Bromochloromethane	128.00	7.886	7.883	(1.000)	64203	50.00	
$	21 1,2-Dichloroethane-d4	65.00	8.536	8.527	(0.950)	72915	43.01	43.01
*	24 1,4-Difluorobenzene	114.00	8.989	8.987	(1.000)	350634	50.00	
$	31 Toluene-d8	98.00	10.519	10.523	(0.877)	294863	49.99	49.99
*	39 Chlorobenzene-d5	117.00	11.997	12.001	(1.000)	295401	50.00	
	40 CHLOROBENZENE **	112.00	12.030	12.027	(1.003)	4081	0.7168	0.7168(aQ)
	41 ETHYLBENZENE *	106.00	12.214	12.106	(1.018)	766	0.2817	0.2817(aQ)
	42 p,m-Xylene	106.00	12.214	12.224	(1.018)	766	0.2137	0.2137(a)
	43 o-Xylene	106.00	12.214	12.631	(1.018)	766	0.2155	0.2155(a)
$	46 Bromofluorobenzene	95.00	13.172	13.170	(1.098)	220511	49.94	49.94
	48 1,3-Dichlorobenzene	146.00	14.282	14.286	(1.190)	708	0.1387	0.1387(a)
	51 1,2-Dibromo-3-Chloropropane	157.00	15.569	15.553	(1.298)	1212	1.526	1.526(aQ)

QC Flag Legend

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

Data File: /wplcsdisk3/msv2.i/v040595.b/h2204.d

Date : 05-APR-95 17:15

Lab Sample ID:

Instrument: msv2.i

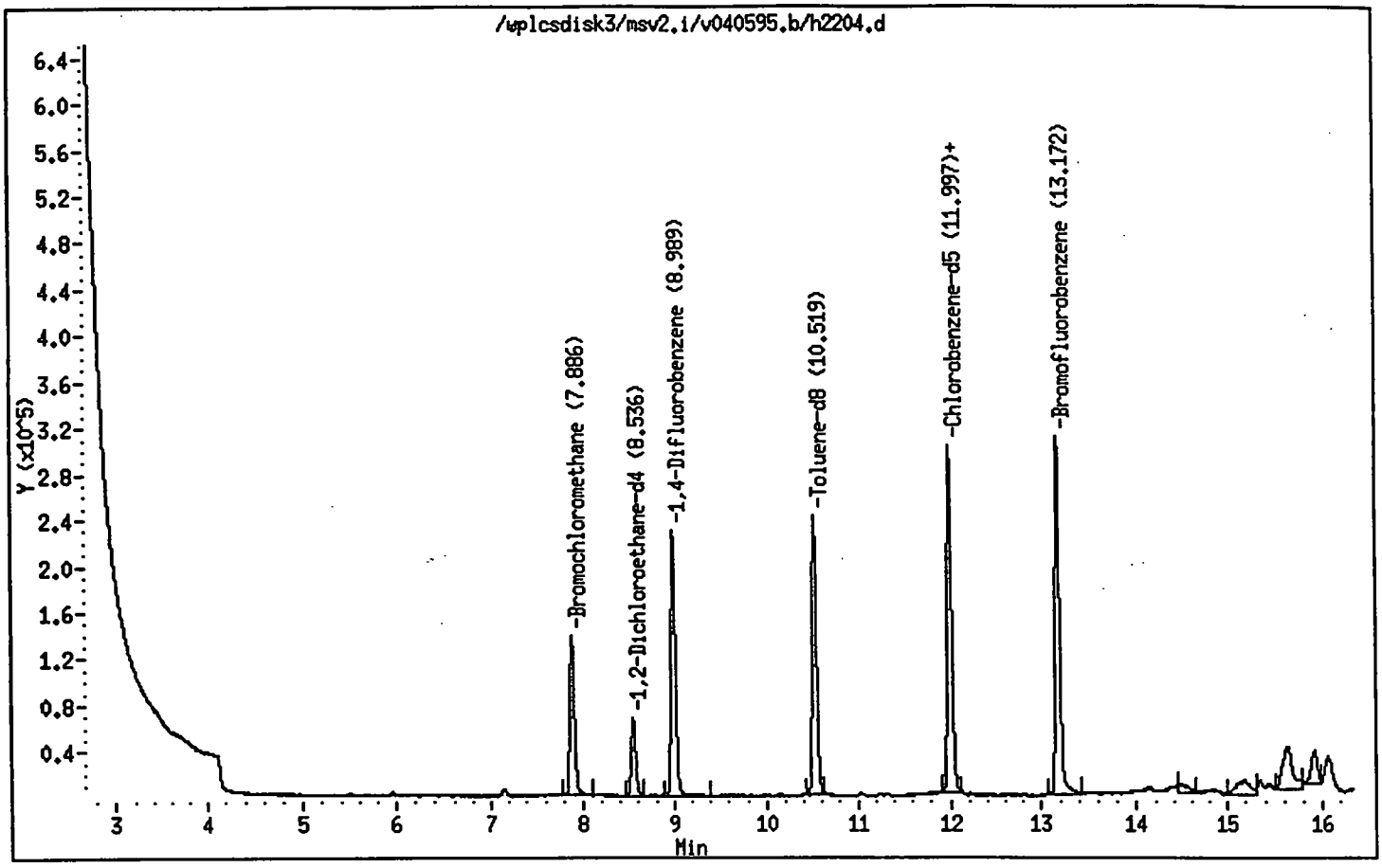
Sample Info: 0405V2BLK 01

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msv2.i
Lab File ID: h2204.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk3/msv2.i/v040595.b/voa2.m
Misc Info: METHOD BLANK/JS

Calibration Date: 04/05/95
Calibration Time: 1639

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	73087	36544	146174	64203	-12.16
24 1,4-Difluorobenzene	396661	198330	793322	350634	-11.60
39 Chlorobenzene-d5	331828	165914	663656	295401	-10.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	7.88	7.38	8.38	7.89	0.03
24 1,4-Difluorobenzene	8.99	8.49	9.49	8.99	0.03
39 Chlorobenzene-d5	12.00	11.50	12.50	12.00	-0.03

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.

LAB NAME	: INCHCAPE TESTING SERVICES	GROUP NO.	: 9502320
MATRIX	: WATER	LAB SAMPLE ID:	950327TBLK
DILUTION FACTOR:	10	LAB FILE ID	: H2145
		DATE ANALYZED:	04/03/95 11:09

PARAMETER	Regulatory Limit in TLCP(1) Extract(mg/L)	Quantitation Limit (mg/L)	Sample Result (mg/L)
Benzene	0.5	0.05	<DL
Carbon tetrachloride	0.5	0.05	<DL
Chlorobenzene	100.0	0.05	<DL
Chloroform	6.0	0.05	<DL
1,2-Dichloroethane	0.5	0.05	<DL
1,1-Dichloroethylene	0.7	0.05	<DL
Methyl ethyl ketone	200.0	0.25	<DL
Tetrachloroethylene	0.7	0.05	<DL
Trichloroethylene	0.5	0.05	<DL
Vinyl Chloride	0.2	0.05	<DL

(1)Toxicity Characteristic Leaching Procedure, ZHE Protocol

SURROGATE RECOVERY

1,2-Dichloroethane-d4:	85
Toluene:	102
4-Bromofluorobenzene:	99

ppe

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2145.d
Lab Smp Id:
Inj Date : 03-APR-95 11:09
Operator : Inst ID: msv2.i
Smp Info : 950327- TCLP BLK
Misc Info : TCLP METHOD BLK extr. date:032895/10DL/ARR
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 13-Apr-1995 14:45 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 1
Dil Factor: 10.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	8 Carbon Disulfide	76.00	5.573	5.626	(0.702)	12144	2.459	24.59(aQ)
	9 Acetone	43.00	5.409	5.501	(0.681)	3300	8.549	85.49(aQ)
	11 Methylene Chloride	49.00	6.026	6.092	(0.759)	31389	10.89	108.9
*	17 Bromochloromethane	128.00	7.943	8.009	(1.000)	63207	50.00	
$	21 1,2-Dichloroethane-d4	65.00	8.587	8.653	(0.950)	67667	42.49	42.49(a)
*	24 1,4-Difluorobenzene	114.00	9.040	9.113	(1.000)	340023	50.00	
	30 4-Methyl-2-Pentanone	43.00	10.360	10.524	(0.859)	101824	57.89	578.9(Q)
$	31 Toluene-d8	98.00	10.583	10.643	(0.878)	294529	51.16	51.16(a)
*	39 Chlorobenzene-d5	117.00	12.054	12.107	(1.000)	289052	50.00	
	40 CHLOROBENZENE **	112.00	12.080	12.140	(1.002)	3779	0.7383	7.383(aQ)
$	46 Bromofluorobenzene	95.00	13.230	13.276	(1.097)	218312	49.56	49.56(a)
	48 1,3-Dichlorobenzene	146.00	14.438	14.392	(1.198)	555	0.1162	1.162(a)
	51 1,2-Dibromo-3-Chloropropane	157.00	15.607	15.666	(1.295)	430	0.6658	6.658(aQ)

QC Flag Legend

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

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2145.d

Date : 03-APR-95 11:09

Lab Sample ID:

Instrument: VOA2.i

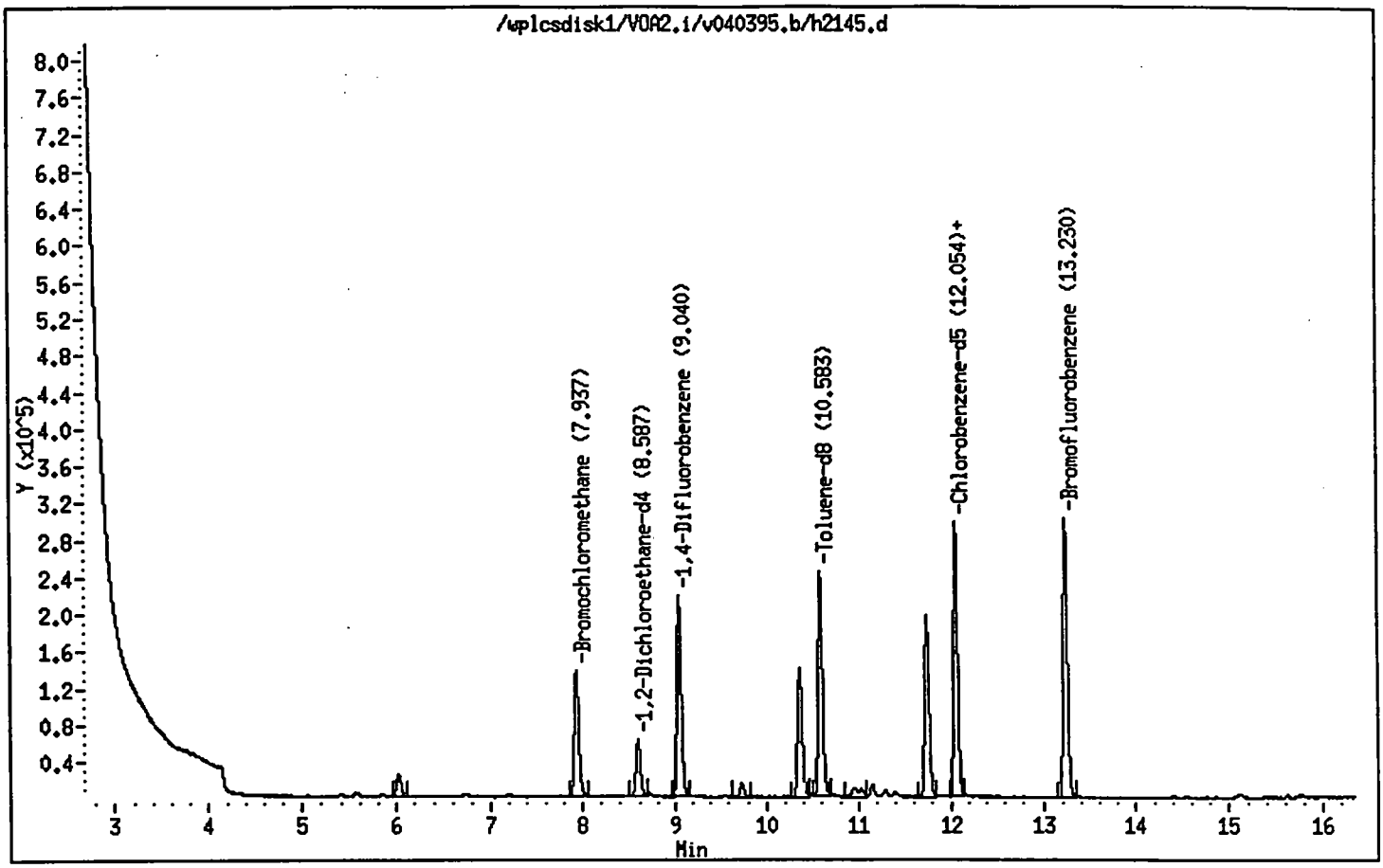
Sample Info: 950327- TCLP BLK

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: VOA2.i
Lab File ID: h2145.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk1/VOA2.i/v040395.b/voa2.m
Misc Info: TCLP METHOD BLK extr. date:032895/10DL/ARR

Calibration Date: 04/03/95
Calibration Time: 0647

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	76973	38486	153946	63207	-17.88
24 1,4-Difluorobenzene	420730	210365	841460	340023	-19.18
39 Chlorobenzene-d5	350520	175260	701040	289052	-17.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	8.01	7.51	8.51	7.94	-0.82
24 1,4-Difluorobenzene	9.11	8.61	9.61	9.04	-0.80
39 Chlorobenzene-d5	12.11	11.61	12.61	12.05	-0.44

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.

LAB NAME : INCHCAPE TESTING SERVICES
MATRIX : WATER
DILUTION FACTOR: 1

GROUP NO. : 9502320
LAB SAMPLE ID: 950403V2-LCS
LAB FILE ID : H2144
DATE ANALYZED: 04/03/95 08:35

PARAMETER	AMOUNT SPIKED (ug/L)	CONCENTRATION (ug/L)	RECOVERY %
Benzene	50	51.3	103
Bromoform	50	53.2	106
Carbon tetrachloride	50	44.6	89
Chlorobenzene	50	50.0	100
Chlorodibromomethane	50	51.6	103
Chloroethane	50	51.8	104
2-Chloroethylvinyl ether	50	51.9	104
Chloroform	50	50.0	100
1,2-Dichlorobenzene	50	51.0	102
1,4-Dichlorobenzene	50	51.4	103
1,3-Dichlorobenzene	50	49.6	99
Dichlorobromomethane	50	51.6	103
1,1-Dichloroethane	50	50.4	101
1,2-Dichloroethane	50	51.6	103
1,1-Dichloroethene	50	51.0	102
trans-1,2-Dichloroethene	50	50.0	100
1,2-Dichloropropane	50	51.2	102
cis-1,3-Dichloropropene	50	51.7	103
trans-1,3-Dichloropropene	50	50.9	102
Ethylbenzene	50	50.0	100
Methyl bromide	50	51.2	102
Methyl chloride	50	52.2	104
Methylene chloride	50	51.6	103
1,1,2,2-Tetrachloroethane	50	54.1	108
Tetrachloroethene	50	49.6	99
Toluene	50	50.2	100
1,1,1-Trichloroethane	50	50.1	100
1,1,2-Trichloroethane	50	52.9	106
Trichloroethene	50	51.1	102
Trichlorofluoromethane	50	49.4	99
Vinyl chloride	50	50.3	101
Total Xylene	100	100.0	100

SURROGATE RECOVERY

1,2-Dichloroethane-d4:	94
Toluene:	101
4-Bromofluorobenzene:	100

ppe

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2144.d
Lab Smp Id:
Inj Date : 03-APR-1995 08:35
Operator : Inst ID: msv2.i
Smp Info : 950403V2-LCS
Misc Info : LAB CONTROL STD/ARR/WATER
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 11-Apr-1995 21:18 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 4
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
1	CHLOROMETHANE **	50.00	2.949	3.006	(0.372)	68009	52.23	52.23 (Q)
2	VINYL CHLORIDE *	62.00	3.146	3.203	(0.397)	72662	50.30	50.30
3	Bromomethane	94.00	3.704	3.761	(0.467)	81622	51.16	51.16
4	Chloroethane	64.00	3.829	3.899	(0.483)	39697	51.85	51.85
5	Trichlorofluoromethane	101.00	4.301	4.378	(0.543)	181296	49.35	49.35
6	1,1-DICHLORETHENE *	96.00	5.227	5.304	(0.659)	95553	50.98	50.98
7	Acrolein	56.00	5.142	5.225	(0.649)	3497	15.58	15.58 (QM)
8	Carbon Disulfide	76.00	5.549	5.626	(0.700)	284343	49.77	49.77
9	Acetone	43.00	5.424	5.501	(0.684)	22607	50.62	50.62
10	Vinyl Acetate	43.00	5.910	5.980	(0.746)	55445	55.38	55.38 (Q)
11	Methylene Chloride	49.00	6.022	6.092	(0.760)	172066	51.58	51.58
12	trans-1,2-Dichloroethene	61.00	6.383	6.460	(0.805)	171680	49.96	49.96
13	Acrylonitrile	53.00	6.409	6.486	(0.809)	125907	280.0	280.0
14	1,1-DICHLORETHANE **	63.00	6.941	7.024	(0.876)	196195	50.39	50.39
15	cis-1,2-Dichloroethene	61.00	7.644	7.727	(0.964)	157063	50.66	50.66
16	2-Butanone	43.00	7.690	7.780	(0.970)	177170	271.3 /	271.3
* 17	Bromochloromethane	128.00	7.926	8.009	(1.000)	73126	50.00	
18	CHLOROFORM *	83.00	8.012	8.101	(1.011)	181155	50.02	50.02
19	1,1,1-Trichloroethane	97.00	8.202	8.292	(0.909)	172854	50.70	50.70
20	Carbon Tetrachloride	117.00	8.379	8.469	(0.929)	161609	44.64	44.64
$ 21	1,2-Dichloroethane-d4	65.00	8.570	8.653	(0.950)	88181	47.24	47.24 (Q)
22	Benzene	78.00	8.616	8.705	(0.955)	310664	51.31	51.31
23	1,2-Dichloroethane	62.00	8.649	8.738	(0.959)	112547	51.65	51.65
* 24	1,4-Difluorobenzene	114.00	9.023	9.113	(1.000)	398554	50.00	
25	Trichloroethene	130.00	9.305	9.395	(1.031)	139173	51.10	51.10
26	1,2-DICHLORPROPANE *	63.00	9.555	9.645	(1.059)	133654	51.23	51.23
27	Bromodichloromethane	83.00	9.844	9.933	(1.091)	226797	51.65	51.65
28	2-Chloroethyl vinyl ether	65.00	10.126	10.203	(1.122)	19101	51.86	51.86
29	cis-1,3-Dichloropropene	75.00	10.290	10.373	(1.140)	183781	51.66	51.66 (Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
	30 4-Methyl-2-Pentanone	43.00	10.441	10.524	(0.868)	111431	53.65	53.65
$	31 Toluene-d8	98.00	10.559	10.643	(0.878)	343019	50.46	50.46
	32 TOLUENE *	91.00	10.625	10.708	(0.883)	385542	50.16	50.16
	33 trans-1,3-Dichloropropene	75.00	10.848	10.932	(0.902)	148266	50.88	50.88
	34 1,1,2-Trichloroethane	97.00	11.045	11.129	(0.918)	109020	52.87	52.87
	35 Tetrachloroethene	164.00	11.183	11.266	(0.930)	129187	49.60	49.60
	36 2-Hexanone	43.00	11.269	11.352	(0.937)	73996	53.72	53.72
	37 Dibromochloromethane	129.00	11.459	11.542	(0.953)	193592	51.65	51.65
	38 1,2-Dibromoethane(EDB)	107.00	11.590	11.667	(0.963)	174113	52.08	52.08
*	39 Chlorobenzene-d5	117.00	12.030	12.107	(1.000)	341326	50.00	
	40 CHLOROBENZENE **	112.00	12.063	12.140	(1.003)	302443	50.04	50.04
	41 ETHYLBENZENE *	106.00	12.142	12.219	(1.009)	145990	49.97	49.97
	42 p,m-Xylene	106.00	12.260	12.337	(1.019)	194303	50.14	50.14
	43 o-Xylene	106.00	12.667	12.737	(1.053)	191853	50.08	50.08
	44 Styrene	104.00	12.680	12.751	(1.054)	330045	50.06	50.06
	45 BROMOFORM **	173.00	12.910	12.987	(1.073)	144896	53.22	53.22
$	46 Bromofluorobenzene	95.00	13.206	13.276	(1.098)	259662	49.92	49.92
	47 1,1,2,2-TETRACHLORETHANE **	83.00	13.337	13.407	(1.109)	173563	54.09	54.09
	48 1,3-Dichlorobenzene	146.00	14.322	14.392	(1.190)	279714	49.60	49.60
	49 1,4-Dichlorobenzene	146.00	14.414	14.478	(1.198)	311949	51.40	51.40
	50 1,2-Dichlorobenzene	146.00	14.802	14.872	(1.230)	271089	51.04	51.04
	51 1,2-Dibromo-3-Chloropropane	157.00	15.603	15.666	(1.297)	42716	56.01	56.01

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: /uplcsdisk1/VOA2.i/v040395.b/h2144.d

Date : 03-APR-1995 08:35

Lab Sample ID:

Instrument: VOA2.i

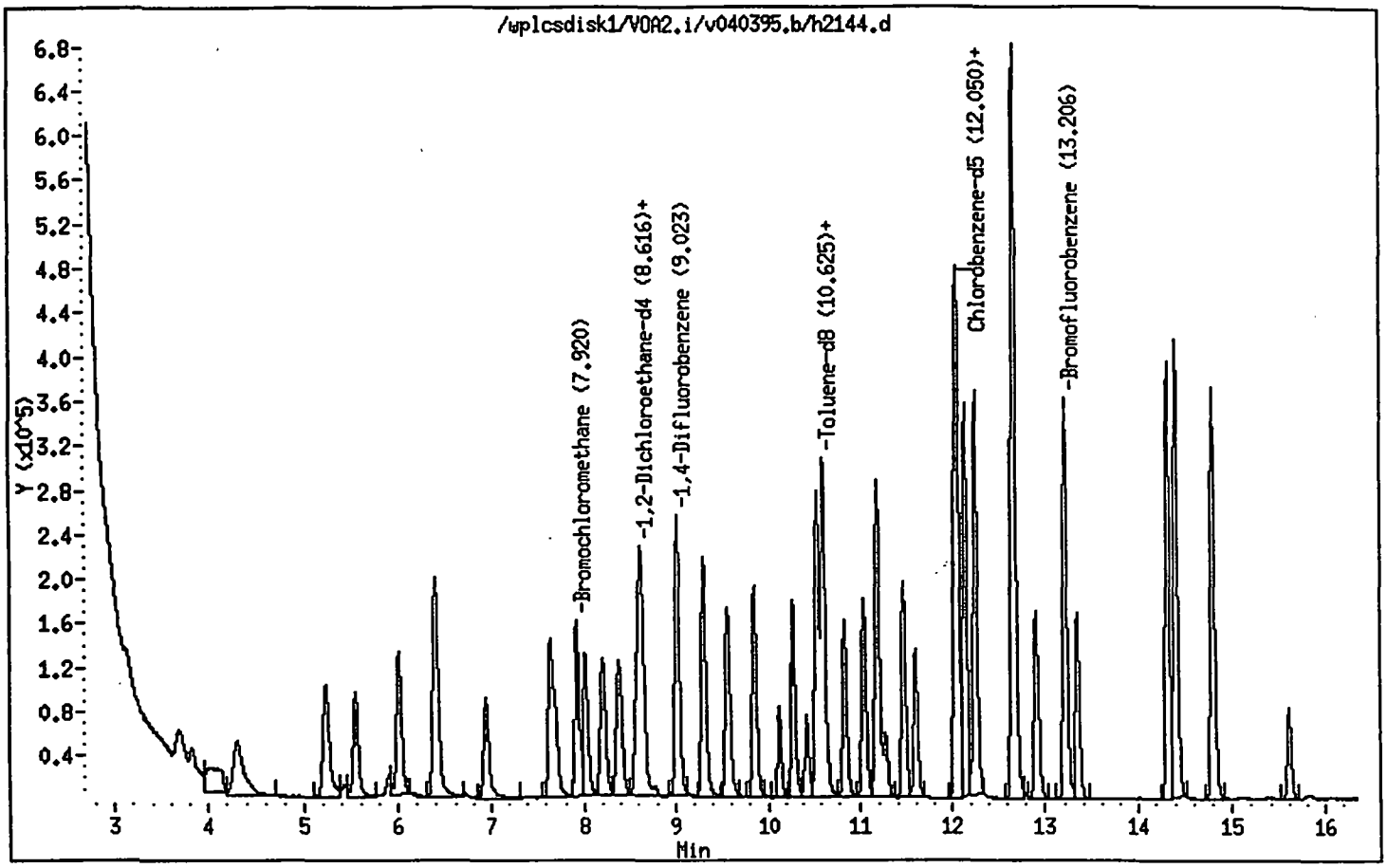
Sample Info: 950403V2-LCS

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msv2.i
Lab File ID: h2144.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk3/msv2.i/v040395.b/voa2.m
Misc Info: LAB CONTROL STD/ARR/WATER

Calibration Date: 04/03/95
Calibration Time: 0647

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	76973	38486	153946	73126	-5.00
24 1,4-Difluorobenzene	420730	210365	841460	398554	-5.27
39 Chlorobenzene-d5	350520	175260	701040	341326	-2.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	8.01	7.51	8.51	7.93	-1.04
24 1,4-Difluorobenzene	9.11	8.61	9.61	9.02	-0.99
39 Chlorobenzene-d5	12.11	11.61	12.61	12.03	-0.63

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.

LAB NAME : INCHCAPE TESTING SERVICES
MATRIX : WATER
DILUTION FACTOR: 1

GROUP NO. : 9502320
LAB SAMPLE ID: 0405V2LCS01
LAB FILE ID : H2205
DATE ANALYZED: 04/05/95 17:50

PARAMETER	AMOUNT SPIKED (ug/L)	CONCENTRATION (ug/L)	RECOVERY %
Benzene	50	54.2	108
Bromoform	50	51.2	102
Carbon tetrachloride	50	55.8	112
Chlorobenzene	50	54.8	110
Chlorodibromomethane	50	52.5	105
Chloroethane	50	58.7	117
2-Chloroethylvinyl ether	50	52.3	105
Chloroform	50	54.0	108
1,2-Dichlorobenzene	50	53.4	107
1,4-Dichlorobenzene	50	55.7	111
1,3-Dichlorobenzene	50	53.6	107
Dichlorobromomethane	50	52.9	106
1,1-Dichloroethane	50	55.1	110
1,2-Dichloroethane	50	52.4	105
1,1-Dichloroethene	50	55.5	111
trans-1,2-Dichloroethene	50	54.9	110
1,2-Dichloropropane	50	53.7	107
cis-1,3-Dichloropropene	50	53.4	107
trans-1,3-Dichloropropene	50	53.0	106
Ethylbenzene	50	54.4	109
Methyl bromide	50	53.5	107
Methyl chloride	50	55.2	110
Methylene chloride	50	55.0	110
1,1,2,2-Tetrachloroethane	50	50.3	101
Tetrachloroethene	50	54.1	108
Toluene	50	53.8	108
1,1,1-Trichloroethane	50	60.0	120
1,1,2-Trichloroethane	50	51.8	104
Trichloroethene	50	51.9	104
Trichlorofluoromethane	50	56.0	112
Vinyl chloride	50	56.2	112
Total Xylene	100	107.0	107

SURROGATE RECOVERY

1,2-Dichloroethane-d4:	90
Toluene:	101
4-Bromofluorobenzene:	111

ppe

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040595.b/h2205.d
Lab Smp Id:
Inj Date : 05-APR-95 17:50
Operator : Inst ID: msv2.i
Smp Info : 0405V2LCS 01
Misc Info : LAB CONTROL STD/JS
Comment :
Method : /wplcsdisk3/msv2.i/v040595.b/voa2.m
Meth Date : 11-Apr-1995 21:31 arr Quant Type: ISTD
Cal Date : 05-APR-1995 16:39 Cal File: h2203.d
Als bottle: 8
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
1	CHLOROMETHANE **	50.00	2.906	2.906	(0.368)	68991	55.16	55.16(Q)
2	VINYL CHLORIDE *	62.00	3.097	3.083	(0.392)	75155	56.19	56.19
3	Bromomethane	94.00	3.642	3.635	(0.461)	85750	53.46	53.46
4	Chloroethane	64.00	3.786	3.760	(0.479)	43780	58.66	58.66
5	Trichlorofluoromethane	101.00	4.259	4.232	(0.539)	183981	55.97	55.97
6	1,1-DICHLORETHENE *	96.00	5.172	5.152	(0.655)	101560	55.46	55.46
7	Acrolein	56.00	5.087	5.060	(0.644)	29489	254.9	254.9(Q)
8	Carbon Disulfide	76.00	5.494	5.474	(0.696)	292481	54.72	54.72
9	Acetone	43.00	5.369	5.355	(0.680)	19419	42.19	42.19(Q)
10	Vinyl Acetate	43.00	5.855	5.841	(0.741)	57214	49.63	49.63(Q)
11	Methylene Chloride	49.00	5.967	5.946	(0.756)	172739	55.04	55.04
12	trans-1,2-Dichloroethene	61.00	6.334	6.314	(0.802)	182259	54.84	54.84
13	Acrylonitrile	53.00	6.361	6.347	(0.805)	117634	246.6	246.6
14	1,1-DICHLORETHANE **	63.00	6.899	6.885	(0.874)	210485	55.07	55.07
15	cis-1,2-Dichloroethene	61.00	7.615	7.595	(0.964)	160476	54.89	54.89
16	2-Butanone	43.00	7.674	7.654	(0.972)	180074	249.3	249.3
* 17	Bromochloromethane	128.00	7.897	7.883	(1.000)	68763	50.00	
18	CHLOROFORM *	83.00	7.996	7.969	(1.012)	193561	54.01	54.01
19	1,1,1-Trichloroethane	97.00	8.186	8.159	(0.908)	197278	59.95	59.95
20	Carbon Tetrachloride	117.00	8.370	8.343	(0.929)	199496	55.77	55.77
$ 21	1,2-Dichloroethane-d4	65.00	8.554	8.527	(0.949)	82883	44.99	44.99
22	Benzene	78.00	8.600	8.580	(0.954)	333106	54.24	54.24
23	1,2-Dichloroethane	62.00	8.639	8.612	(0.958)	119913	52.38	52.38
* 24	1,4-Difluorobenzene	114.00	9.014	8.987	(1.000)	381083	50.00	
25	Trichloroethene	130.00	9.296	9.269	(1.031)	150462	51.92	51.92
26	1,2-DICHLORPROPANE *	63.00	9.545	9.525	(1.059)	150325	53.66	53.66
27	Bromodichloromethane	83.00	9.834	9.814	(1.091)	247684	52.90	52.90
28	2-Chloroethyl vinyl ether	65.00	10.117	10.096	(1.122)	22214	52.30	52.30
29	cis-1,3-Dichloropropene	75.00	10.281	10.261	(1.141)	206591	53.35	53.35(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
	30 4-Methyl-2-Pentanone	43.00	10.432	10.412	(0.868)	112791	48.19	48.19
$	31 Toluene-d8	98.00	10.550	10.523	(0.878)	320485	50.42	50.42
	32 TOLUENE *	91.00	10.616	10.596	(0.883)	416642	53.77	53.77
	33 trans-1,3-Dichloropropene	75.00	10.839	10.812	(0.902)	164325	53.04	53.04
	34 1,1,2-Trichloroethane	97.00	11.036	11.009	(0.918)	117877	51.77	51.77
	35 Tetrachloroethene	164.00	11.174	11.154	(0.930)	144056	54.13	54.13
	36 2-Hexanone	43.00	11.259	11.239	(0.937)	75201	48.54	48.54
	37 Dibromochloromethane	129.00	11.450	11.423	(0.952)	211865	52.47	52.47
	38 1,2-Dibromoethane(EDB)	107.00	11.575	11.554	(0.963)	180273	51.44	51.44
*	39 Chlorobenzene-d5	117.00	12.021	12.001	(1.000)	318359	50.00	
	40 CHLOROBENZENE **	112.00	12.054	12.027	(1.003)	336030	54.77	54.77
	41 ETHYLBENZENE *	106.00	12.133	12.106	(1.009)	159560	54.45	54.45
	42 p,m-Xylene	106.00	12.251	12.224	(1.019)	204484	52.94	52.94
	43 o-Xylene	106.00	12.658	12.631	(1.053)	206988	54.03	54.03
	44 Styrene	104.00	12.671	12.644	(1.054)	364024	54.66	54.66
	45 BROMOFORM **	173.00	12.901	12.874	(1.073)	154635	51.20	51.20
$	46 Bromofluorobenzene	95.00	13.197	13.170	(1.098)	264482	55.58	55.58
	47 1,1,2,2-TETRACHLOROETHANE **	83.00	13.328	13.294	(1.109)	182346	50.27	50.27
	48 1,3-Dichlorobenzene	146.00	14.313	14.286	(1.191)	294885	53.60	53.60
	49 1,4-Dichlorobenzene	146.00	14.398	14.371	(1.198)	324884	55.71	55.71
	50 1,2-Dichlorobenzene	146.00	14.792	14.759	(1.231)	278232	53.44	53.44
	51 1,2-Dibromo-3-Chloropropane	157.00	15.593	15.553	(1.297)	40633	47.46	47.46

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /wplcsdisk3/msv2.i/v040595.b/h2205.d

Page 1

Date : 05-APR-95 17:50

Lab Sample ID:

Instrument: msv2.i

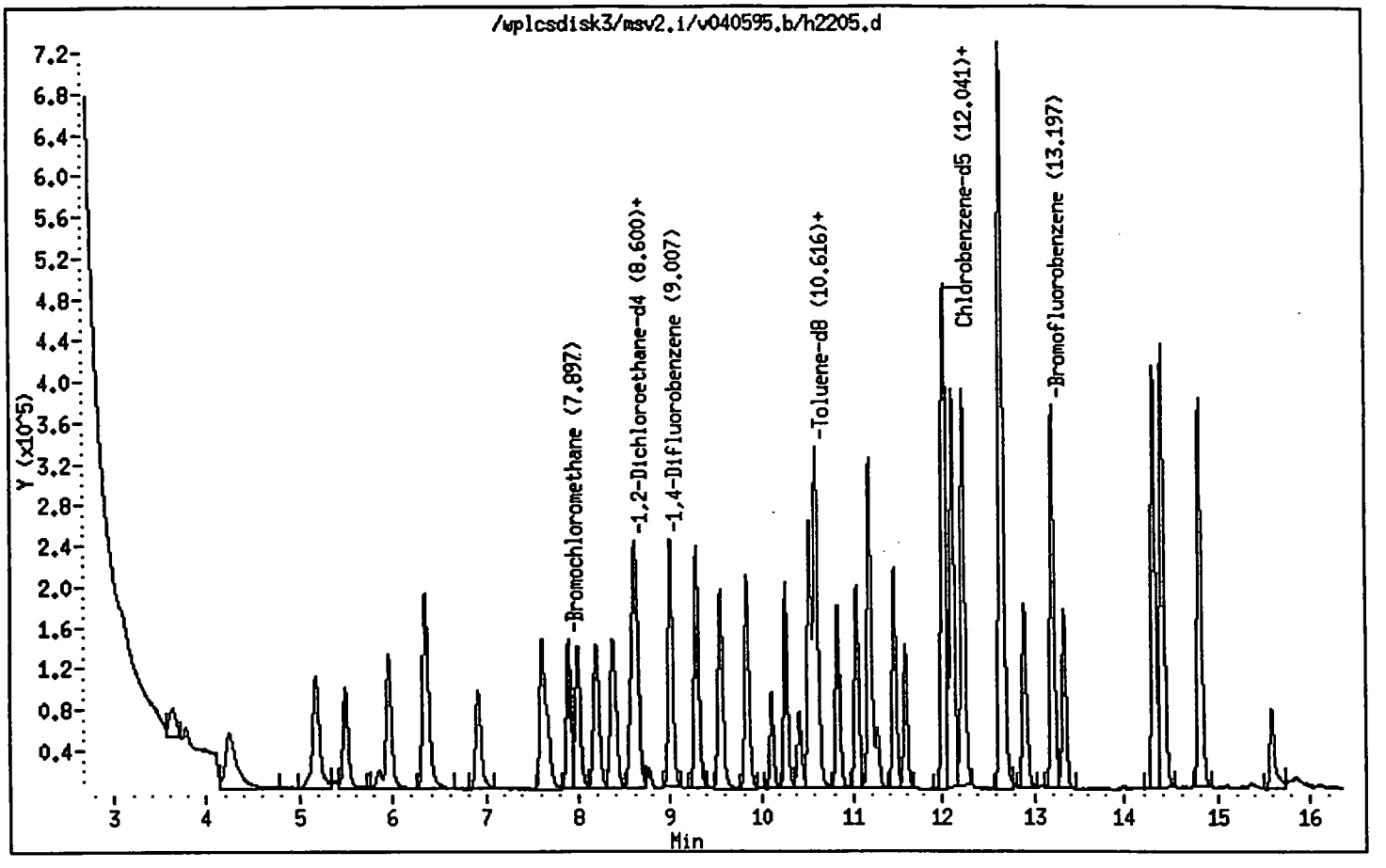
Sample Info: 0405V2LCS 01

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msv2.i
Lab File ID: h2205.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk3/msv2.i/v040595.b/voa2.m
Misc Info: LAB CONTROL STD/JS

Calibration Date: 04/05/95
Calibration Time: 1639

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	73087	36544	146174	68763	-5.92
24 1,4-Difluorobenzene	396661	198330	793322	381083	-3.93
39 Chlorobenzene-d5	331828	165914	663656	318359	-4.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	7.88	7.38	8.38	7.90	0.17
24 1,4-Difluorobenzene	8.99	8.49	9.49	9.01	0.30
39 Chlorobenzene-d5	12.00	11.50	12.50	12.02	0.17

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.

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :

SAMPLE NO : 9503230026
CLIENT ID : SBA2-04 MS
SAMPLE DATE: 03/22/95
SAMPLE TIME: 11:10

REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

ANALYST: arr

ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 13:15

PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	1.27*	0.5	0.05	10	8240
Carbon tetrachloride	0.577*	0.5	0.05	10	8240
Chlorobenzene	0.539	100.0	0.05	10	8240
Chloroform	0.507	6.0	0.05	10	8240
1,2-Dichloroethane	0.435	0.5	0.05	10	8240
1,1-Dichloroethylene	0.580	0.7	0.05	10	8240
Methyl ethyl ketone	2.57	200.0	0.25	10	8240
Tetrachloroethylene	0.523	0.7	0.05	10	8240
Trichloroethylene	0.531*	0.5	0.05	10	8240
Vinyl chloride	0.616*	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2150.d
Lab Smp Id:
Inj Date : 03-APR-95 13:15
Operator : Inst ID: msv2.i
Smp Info : 950323- 26 MS P R C
Misc Info : PRC/gr#9502320/TCLP/10DL/ARR/950323-26 MS
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 13-Apr-1995 14:45 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 6
Dil Factor: 10.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
	1 CHLOROMETHANE **	50.00	2.913	3.006	(0.370)	62318	62.87	628.7(Q)
	2 VINYL CHLORIDE *	62.00	3.110	3.203	(0.395)	67701	61.56	615.6(Q)
	3 Bromomethane	94.00	3.648	3.761	(0.464)	71616	58.97	589.7
	4 Chloroethane	64.00	3.786	3.899	(0.481)	31860	51.94	519.4
	5 Trichlorofluoromethane	101.00	4.246	4.378	(0.539)	153871	55.02	550.2
	6 1,1-DICHLORETHENE *	96.00	5.172	5.304	(0.657)	82691	57.95	579.5
	7 Acrolein	56.00	5.093	5.225	(0.647)	3127	264.2	2642(QM)
	8 Carbon Disulfide	76.00	5.493	5.626	(0.698)	253287	58.24	582.4
	9 Acetone	43.00	5.362	5.501	(0.681)	12092	35.57	355.7(Q)
	10 Vinyl Acetate	43.00	5.861	5.980	(0.745)	40290	52.86	528.6(Q)
	11 Methylene Chloride	49.00	5.966	6.092	(0.758)	220658	86.90	869.0
	12 trans-1,2-Dichloroethene	61.00	6.334	6.460	(0.805)	139095	53.18	531.8
	13 Acrylonitrile	53.00	6.354	6.486	(0.807)	101399	296.2	2962
	14 1,1-DICHLORETHANE **	63.00	6.892	7.024	(0.876)	156084	52.66	526.6
	15 cis-1,2-Dichloroethene	61.00	7.588	7.727	(0.964)	124819	52.88	528.8
	16 2-Butanone	43.00	7.641	7.780	(0.971)	127754	257.0	2570
*	17 Bromochloromethane	128.00	7.870	8.009	(1.000)	55667	50.00	
	18 CHLOROFORM *	83.00	7.962	8.101	(1.012)	139797	50.71	507.1
	19 1,1,1-Trichloroethane	97.00	8.153	8.292	(0.909)	149376	63.84	638.4
	20 Carbon Tetrachloride	117.00	8.324	8.469	(0.928)	143377	57.71	577.1
$	21 1,2-Dichloroethane-d4	65.00	8.514	8.653	(0.949)	49420	38.58	38.58(a)
	22 Benzene	78.00	8.553	8.705	(0.954)	529467	127.4	1274(Q)
	23 1,2-Dichloroethane	62.00	8.593	8.738	(0.958)	65116	43.54	435.4
*	24 1,4-Difluorobenzene	114.00	8.967	9.113	(1.000)	273522	50.00	
	25 Trichloroethene	130.00	9.249	9.395	(1.031)	99182	53.06	530.6
	26 1,2-DICHLORPROPANE *	63.00	9.506	9.645	(1.060)	103357	57.72	577.2
	27 Bromodichloromethane	83.00	9.794	9.933	(1.092)	165933	55.06	550.6
	28 2-Chloroethyl vinyl ether	65.00	10.077	10.203	(1.124)	12500	49.45	494.5
	29 cis-1,3-Dichloropropene	75.00	10.799	10.373	(1.204)	100662	40.97	409.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	30 4-Methyl-2-Pentanone	43.00	10.399	10.524	(0.868)	89596	61.75	617.5
$	31 Toluene-d8	98.00	10.510	10.643	(0.877)	242648	51.10	51.10(a)
	32 TOLUENE *	91.00	10.576	10.708	(0.883)	806535	150.2	1502
	33 trans-1,3-Dichloropropene	75.00	10.799	10.932	(0.901)	100662	49.45	494.5
	34 1,1,2-Trichloroethane	97.00	10.996	11.129	(0.918)	79607	55.26	552.6
	35 Tetrachloroethene	164.00	11.134	11.266	(0.929)	95160	52.30	523.0
	36 2-Hexanone	43.00	11.219	11.352	(0.936)	54845	57.00	570.0(Q)
	37 Dibromochloromethane	129.00	11.410	11.542	(0.952)	143869	54.95	549.5
	38 1,2-Dibromoethane(EDB)	107.00	11.541	11.667	(0.963)	126972	54.36	543.6
*	39 Chlorobenzene-d5	117.00	11.981	12.107	(1.000)	238431	50.00	
	40 CHLOROBENZENE **	112.00	12.007	12.140	(1.002)	227523	53.89	538.9
	41 ETHYLBENZENE *	106.00	12.093	12.219	(1.009)	146250	71.66	716.6
	42 p,m-Xylene	106.00	12.204	12.337	(1.019)	364115	134.5	1345
	43 o-Xylene	106.00	12.612	12.737	(1.053)	255447	95.45	954.5
	44 Styrene	104.00	12.625	12.751	(1.054)	265663	57.68	576.8
	45 BROMOFORM **	173.00	12.855	12.987	(1.073)	116238	61.12	611.2
$	46 Bromofluorobenzene	95.00	13.150	13.276	(1.098)	192582	53.00	53.00(a)
	47 1,1,2,2-TETRACHLORETHANE **	83.00	13.281	13.407	(1.109)	146226	65.24	652.4
	48 1,3-Dichlorobenzene	146.00	14.266	14.392	(1.191)	235468	59.78	597.8
	49 1,4-Dichlorobenzene	146.00	14.352	14.478	(1.198)	255481	60.26	602.6
	50 1,2-Dichlorobenzene	146.00	14.746	14.872	(1.231)	235672	63.52	635.2
	51 1,2-Dibromo-3-Chloropropane	157.00	15.540	15.666	(1.297)	38576	72.41	724.1

QC Flag Legend

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

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2150.d

Date : 03-APR-95 13:15

Lab Sample ID:

Instrument: VOA2.i

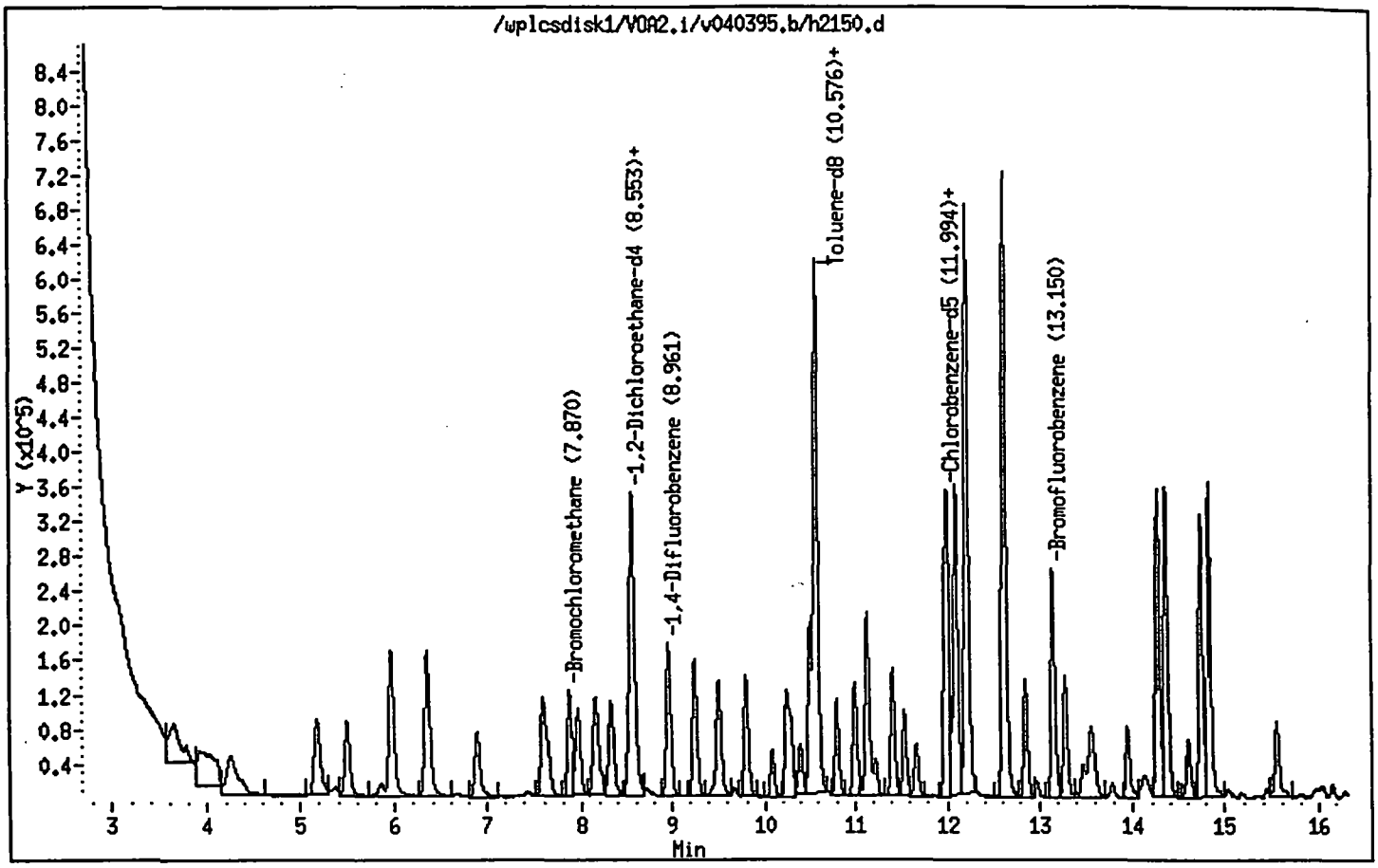
Sample Info: 950323- 26 MS P R C

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: VOA2.i
Lab File ID: h2150.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk1/VOA2.i/v040395.b/voa2.m
Misc Info: PRC/gr#9502320/TCLP/10DL/ARR/950323-26 MS

Calibration Date: 04/03/95
Calibration Time: 0647

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	76973	38486	153946	55667	-27.68
24 1,4-Difluorobenzene	420730	210365	841460	273522	-34.99
39 Chlorobenzene-d5	350520	175260	701040	238431	-31.98

D

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	8.01	7.51	8.51	7.87	-1.73
24 1,4-Difluorobenzene	9.11	8.61	9.61	8.97	-1.60
39 Chlorobenzene-d5	12.11	11.61	12.61	11.98	-1.04

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

Inchcape Testing Services
Environmental Laboratories

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9502320
PROJECT NO. :
REPORT DATE : 04/14/95
MATRIX : SOLID
RECEIVE DATE: 03/22/95

SAMPLE NO : 9503230027
CLIENT ID : SBA2-04 MSD
SAMPLE DATE: 03/22/95
SAMPLE TIME: 11:10

ANALYST: arr
ANALYSIS DATE: 04/03/95
ANALYSIS TIME: 13:40
PREP DATE: 03/27/95

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	1.14*	0.5	0.05	10	8240
Carbon tetrachloride	0.506*	0.5	0.05	10	8240
Chlorobenzene	0.512	100.0	0.05	10	8240
Chloroform	0.493	6.0	0.05	10	8240
1,2-Dichloroethane	0.419	0.5	0.05	10	8240
1,1-Dichloroethylene	0.536	0.7	0.05	10	8240
Methyl ethyl ketone	2.53	200.0	0.25	10	8240
Tetrachloroethylene	0.494	0.7	0.05	10	8240
Trichloroethylene	0.516*	0.5	0.05	10	8240
Vinyl chloride	0.539*	0.2	0.05	10	8240

"*" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

Data file : /wplcsdisk3/msv2.i/v040395.b/h2151.d
Lab Smp Id:
Inj Date : 03-APR-95 13:40
Operator : Inst ID: msv2.i
Smp Info : 950323- 27 MSD P R C
Misc Info : PRC/gr#9502320/TCLP/10DL/ARR/950323-27 MSD
Comment :
Method : /wplcsdisk3/msv2.i/v040395.b/voa2.m
Meth Date : 13-Apr-1995 14:45 arr Quant Type: ISTD
Cal Date : 03-APR-1995 06:47 Cal File: h2142.d
Als bottle: 7
Dil Factor: 10.000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
1	CHLOROMETHANE **	50.00	2.895	3.006	(0.369)	53102	52.99	529.9(Q)
2	VINYL CHLORIDE *	62.00	3.086	3.203	(0.393)	59965	53.93	539.3(Q)
3	Bromomethane	94.00	3.631	3.761	(0.462)	66127	53.85	538.5
4	Chloroethane	64.00	3.762	3.899	(0.479)	30839	49.73	497.3
5	Trichlorofluoromethane	101.00	4.235	4.378	(0.539)	142211	50.29	502.9
6	1,1-DICHLORETHENE *	96.00	5.154	5.304	(0.656)	77296	53.58	535.8
8	Carbon Disulfide	76.00	5.476	5.626	(0.697)	234876	53.42	534.2
9	Acetone	43.00	5.345	5.501	(0.681)	19838	57.72	577.2
10	Vinyl Acetate	43.00	5.837	5.980	(0.743)	41003	53.21	532.1(Q)
11	Methylene Chloride	49.00	5.949	6.092	(0.757)	203048	79.09	790.9
12	trans-1,2-Dichloroethene	61.00	6.317	6.460	(0.804)	132107	49.95	499.5
13	Acrylonitrile	53.00	6.336	6.486	(0.807)	94938	274.3	2743
14	1,1-DICHLORETHANE **	63.00	6.881	7.024	(0.876)	155151	51.77	517.7
15	cis-1,2-Dichloroethene	61.00	7.577	7.727	(0.965)	121081	50.74	507.4
16	2-Butanone	43.00	7.630	7.780	(0.972)	127228	253.2	2532
* 17	Bromochloromethane	128.00	7.853	8.009	(1.000)	56282	50.00	
18	CHLOROFORM *	83.00	7.952	8.101	(1.013)	137513	49.34	493.4
19	1,1,1-Trichloroethane	97.00	8.142	8.292	(0.909)	139312	56.52	565.2
20	Carbon Tetrachloride	117.00	8.319	8.469	(0.929)	132367	50.58	505.8
$ 21	1,2-Dichloroethane-d4	65.00	8.503	8.653	(0.949)	56208	41.65	41.65(a)
22	Benzene	78.00	8.543	8.705	(0.954)	501918	114.7	1147(M)
23	1,2-Dichloroethane	62.00	8.582	8.738	(0.958)	66041	41.92	419.2
* 24	1,4-Difluorobenzene	114.00	8.956	9.113	(1.000)	288094	50.00	
25	Trichloroethene	130.00	9.239	9.395	(1.032)	101542	51.57	515.7
26	1,2-DICHLORPROPANE *	63.00	9.495	9.645	(1.060)	102759	54.49	544.9
27	Bromodichloromethane	83.00	9.790	9.933	(1.093)	166487	52.45	524.5
28	2-Chloroethyl vinyl ether	65.00	10.073	10.203	(1.125)	13065	49.07	490.7
29	cis-1,3-Dichloropropene	75.00	10.795	10.373	(1.205)	103988	40.19	401.9
30	4-Methyl-2-Pentanone	43.00	10.395	10.524	(0.867)	87020	58.26	582.6(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
$	31 Toluene-d8	98.00	10.506	10.643	(0.877)	245263	50.17	50.17(a)
	32 TOLUENE *	91.00	10.578	10.708	(0.883)	768097	139.0	1390
	33 trans-1,3-Dichloropropene	75.00	10.795	10.932	(0.901)	103988	49.63	496.3
	34 1,1,2-Trichloroethane	97.00	10.999	11.129	(0.918)	80129	54.04	540.4
	35 Tetrachloroethene	164.00	11.137	11.266	(0.929)	92495	49.38	493.8
	36 2-Hexanone	43.00	11.222	11.352	(0.936)	57750	58.30	583.0(Q)
	37 Dibromochloromethane	129.00	11.412	11.542	(0.952)	143391	53.21	532.1
	38 1,2-Dibromoethane(EDB)	107.00	11.544	11.667	(0.963)	128203	53.32	533.2
*	39 Chlorobenzene-d5	117.00	11.984	12.107	(1.000)	245442	50.00	
	40 CHLOROBENZENE **	112.00	12.016	12.140	(1.003)	222479	51.19	511.9
	41 ETHYLBENZENE *	106.00	12.102	12.219	(1.010)	139996	66.64	666.4
	42 p,m-Xylene	106.00	12.213	12.337	(1.019)	337095	121.0	1210
	43 o-Xylene	106.00	12.621	12.737	(1.053)	236735	85.93	859.3
	44 Styrene	104.00	12.634	12.751	(1.054)	259470	54.73	547.3
	45 BROMOFORM **	173.00	12.864	12.987	(1.073)	112986	57.71	577.1
$	46 Bromofluorobenzene	95.00	13.159	13.276	(1.098)	192502	51.47	51.47(a)
	47 1,1,2,2-TETRACHLORETHANE **	83.00	13.290	13.407	(1.109)	141956	61.53	615.3
	48 1,3-Dichlorobenzene	146.00	14.282	14.392	(1.192)	229044	56.49	564.9
	49 1,4-Dichlorobenzene	146.00	14.367	14.478	(1.199)	241225	55.28	552.8
	50 1,2-Dichlorobenzene	146.00	14.761	14.872	(1.232)	222851	58.34	583.4
	51 1,2-Dibromo-3-Chloropropane	157.00	15.562	15.666	(1.299)	37183	67.80	678.0

QC Flag Legend

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

Data File: /wplcsdisk1/VOA2.i/v040395.b/h2151.d

Date : 03-APR-95 13:40

Lab Sample ID:

Instrument: VOA2.i

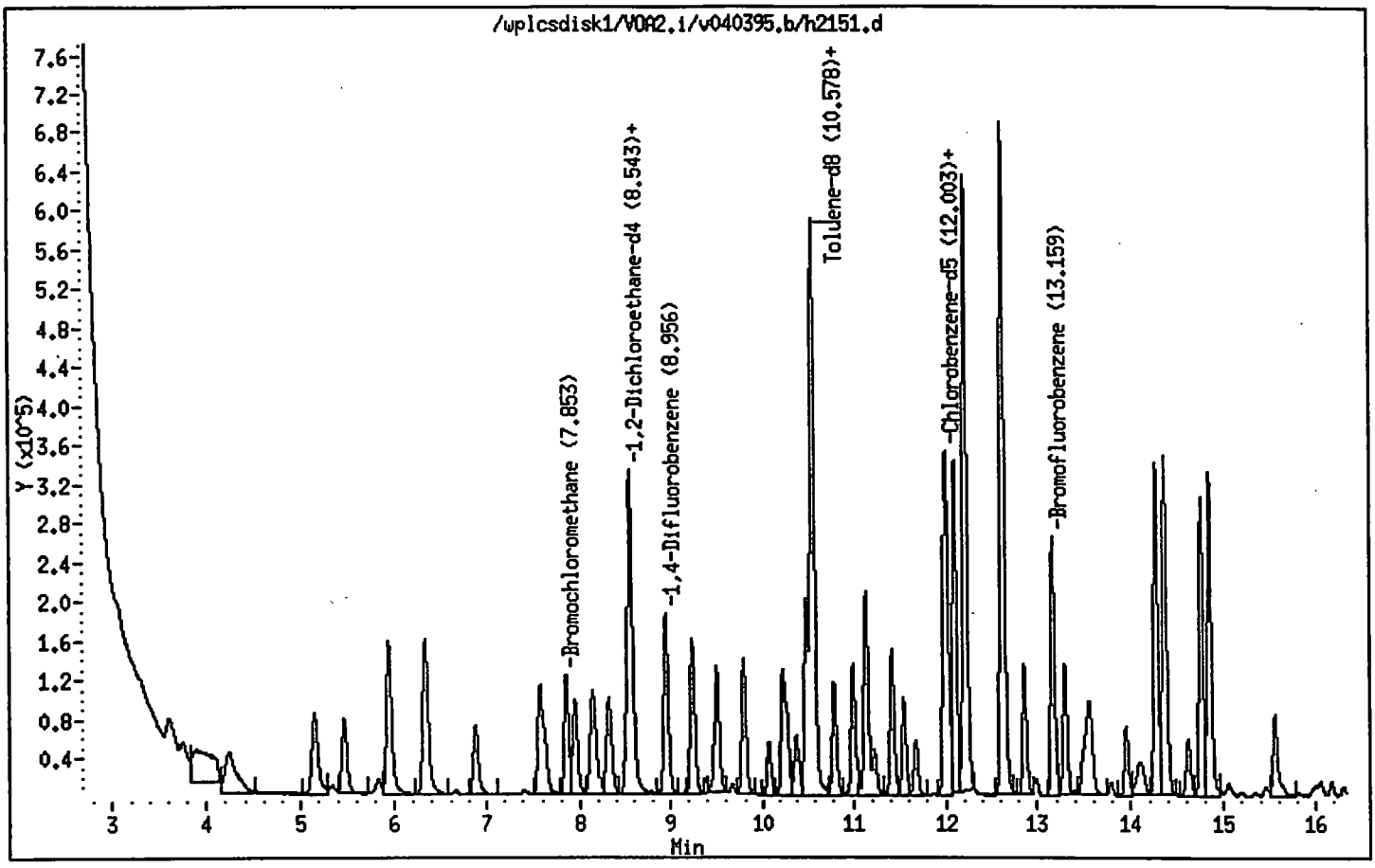
Sample Info: 950323- 27 MSD P R C

Purge Volume: 5.0

Operator:

Column phase: DB-624

Column diameter: 0.53



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: VOA2.i
Lab File ID: h2151.d
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator:
Method File: /wplcsdisk1/VOA2.i/v040395.b/voa2.m
Misc Info: PRC/gr#9502320/TCLP/10DL/ARR/950323-27 MSD

Calibration Date: 04/03/95
Calibration Time: 0647

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	76973	38486	153946	56282	-26.88
24 1,4-Difluorobenzene	420730	210365	841460	288094	-31.53
39 Chlorobenzene-d5	350520	175260	701040	245442	-29.98

12

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
17 Bromochloromethane	8.01	7.51	8.51	7.85	-1.95
24 1,4-Difluorobenzene	9.11	8.61	9.61	8.96	-1.71
39 Chlorobenzene-d5	12.11	11.61	12.61	11.98	-1.02

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.

VOLATILE CALCULATIONS

WATER CONCENTRATIONS

$$\text{Water Concentration (ug/L)} = \frac{(Ax)\,(Is)\,(\text{Dilution Factor})}{(Ais)\,(RRF)\,(Vo)}$$

where:

Ax = Area of the characteristic ion for the compound to be measured
Ais = Area of the characteristic ion for the specific internal standard
Is = Amount of internal standard injected (ng)
Vo = Volume of water purged (mL)

$$RRF = \frac{(Ax)\,(Cis)}{(Ais)\,(Cx)}$$

where:

Ax = Area of the characteristic ion for the compound to be measured
Ais = Area of the characteristic ion for the specific internal standard
Cx = Concentration of the internal standard (ng/ul)
Cis = Concentration of the compound to be measured (ng/ul)

SURROGATE RECOVERY

% Recovery = (Amount Recovered/Amount Spiked) X 100

MATRIX SPIKE RECOVERY

[(SSR-SR)/SA] X 100 where:

SSR = Spiked Sample Result
SR = Sample Result
SA = Spike Added

ppe

LABORATORY CHRONICLE: GC-MS/VOA

DATE: 03/23/95
INSTRUMENT: VOA 2
TUNE FILE: TUNE 02
METHOD FILE: VOA 2
ANALYST(S): ARR
SUPERVISOR:
5PT. CAL.: 03/21/95
AQUIRE: Chemstation
OUTPUT: Target 1

MISC.:

STANDARD	CONC PPM	LOT NO.
Int. Standard	125	1-25-11
Surrogate	125	1-25-5
VOA1	20	1-24-4
VOA2	20	1-24-5
Acrolein/Acrylonitrile	100	1-25-3
Matrix Spike	20	—
Methanol	NA	944518

03/23/95

SAMPLE ID	CLIENT	STATUS	DATA FILE	WT/VOL	INJ TIME	PARAM	D F	ALS	COMMENTS
0323V2STDBFB	-	OK	> h0990	2µL	09:12	TUNE	Heat	DI	
0323V2STD50	-	OK	> 991	5mls	09:39	CAL		1	
0323V2STD50	-	OK	> 994		10:25	CAL		1	
0323V2BLK01	-	OK	> 995		10:53	BLK		2	
0323V2LCS01	-	OK	> 996		11:21	LCS		3	
0323V2STD50	-	OK	> 997		12:08	CAL		4	
0323V2LCS01	-	OK	> 998		12:35	LCS		5	
0323V2BFB	-	OK	> 999		13:40	BFB		DI	
0323V2STD50	-	OK	> h1000		14:21	50		1	
0323V2BLK01	-	OK	> h1001		14:59	BLK		2	
0323V2LCS01	-	OK	> 1002		15:27	LCS		3	
0315-162	CRESENT	OK	> 1003		16:13	8240	10	5	
0320-86	CRESENT	OK	> 1004		16:40		10	6	
0321-149	ALLIED	OK	> 1005		17:07		10	7	
0323-STD20	5point	5-point	> 1010		18:03	5point	5point	8	
50			> 1011		18:30			9	
100			> 1012		18:56			10	
150			> 1013		19:24			11	
200			> 1014		19:51			12	
0322-TCLP	OK	OK	> 1015		20:18	TCLP	10	6	
0322-43	M.LOUISIANA		> 1016		20:46		10	7	
0322-90	PAXON		> 1017		21:15		10	8	
0322-15	MARATHON		> 1018		21:43		10	9	
0322-14	MARATHON		> 1019		22:11		10	10	
0310-212	EAST PARK		> 1020		22:46		10	11	
			>						
			>						
			>						
			>						
			>						

03/23/95 ARR

REVISED 1/3/95. VOA2 Supervisor Review: QA Review:

LABORATORY CHRONICLE: GC-MS/VOA

ATE: 950405
NSTRUMENT: VOA 2
UNE FILE: TUNE 02
IETHOD FILE: VOA 2
NALYST(S): CJ
UPERVISOR: CJ
PT. CAL.:
QUIRE: DOS
UTPUT: TARGET

ISC.:

STANDARD	CONC PPM	LOT NO.
Int. Standard	125	1-25-11
Surrogate	125	1-25-5
VOA1	20	1-24-4
VOA2	20	1-24-5
Acrolein/Acrylonitrile	100	1-25-3
Matrix Spike	20	N/A
Methanol	NA	944518

AMPLE)	CLIENT	STATUS	DATA FILE	WT/VOL	INJ TIME	PARAM	D F	ALS	COMMENTS
0405V2BFB	NA	ok	> h2200	50ng	15:21	TUNE	1	[illegible]	
STD		not used	> h2201	5ml	15:43	STD	1	7	
BLK		NG	> h2202		16:07	BLK	1	6	Surr ↑
STD		OK	> h2203		16:39	STD	1	6	
BLK		OK	> h2204		~~17:15~~	BLK	1	7	
LCS		OK	> h2205		17:50	LCS	1	8	
0323-21	PRC	OK	> h2206		18:14	TLP	10	9	
-30		OK	> h2207		18:38		10	10	
- -32		OK	> h2208		19:03		16	11	
0331-164	Marathon	N/U	> h2209		19:27	HSLV	1	12	Purge
167			> h2210		19:51		1	13	Problem
50331 168		OK	> h2211		20:15		1	14	
50331-178	Cocos	OK	> h2212		20:38	APV	1	15	
181		OK	> h2213		21:02		1	16	
182		OK	> h2214		21:25		1	1	
183		OK	> h2215		21:48		1	2	
186		ok	> h2216		22:19		1	3	
186MS		ok	> h2217		22:34	MS	1	4	
186		N/U	> h2218		22:57	MS	1	5	Left out MS Capr
BLKS	#6	ok	> h2219		23:21	BLKS	1	6	
	#7	ok	> h2220		23:45		1	7	
	#8	ok	> h2221		0:09		1	8	
			>						
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			>						
			>						

VISED 1/3/95. VOA2 Supervisor Review: QA Review:

LABORATORY CHRONICLE: GC–MS/VOA

DATE: 040395
INSTRUMENT: VOA 2
TUNE FILE: TUNE 02
METHOD FILE: VOA 2
ANALYST(S): ARR / Dmm
SUPERVISOR:
5PT. CAL.: 032395
AQUIRE:
OUTPUT:

MISC.:

STANDARD	CONC PPM	LOT NO.
Int. Standard	125	1-25-11
Surrogate	125	1-25-5
VOA1	20	1-24-4
VOA2	20	1-24-5
Acrolein/Acrylonitrile	100	1-25-3
Matrix Spike	20	
Methanol	NA	944518

SAMPLE ID	CLIENT	STATUS	DATA FILE	WT/VOL	INJ TIME	PARAM	D F	ALS	COMMENTS
0403V2BFB	NA	Ok	>h 2141	50ng	06:26	Tune	1	DI	
950403V2-STD50		Ok	> 42	5mg	06:47	STD		2	
950403V2-BLK		OK	> 43		07:10	BLK		3	
950403V2-LCS		OK	> 44		08:35	LCS		4	
950327-TCLPBLK		OK	> 45		11:09	TBLK	10	1	
950323-22	PRC	OK	> 46		11:34 ~~11:59~~	Dmm 040595 TCLPV		2	
Dmm 040595 ~~25~~ 23		OK	> 47		11:59			3	
-24		OK	> 48		12:25			4	
-25		OK	> 49		12:51			5	
-26		OK	> 50		13:15			6	ms of 0323-25
-27		OK	> 51		13:40			7	msD of 0323-26
-28		OK	> 52		14:05			8	
-29		RR 20dc	> 53		1429			9	Tgt Cmpd above Cal range
-30		RR	> 54		1453			10	ISTD OUT
-31		OK	> 55		1517			11	
-32		RR	> 56		1541			12	ISTD OUT
-33		OK	> 57		1606			13	
-34		OK	> 58		1630			14	
-21		RR	> 59		1656			15	Surr ↓
-35		OK	> 60		1720			16	
-29		OK	> 61		1745		20	1	
0403-160	NPC	RR	> 62		1813	8240	1	2	Surr ↓
950323-21	PRC	RR	> 63		1858	TCLPV	10	3	off Clock
			>						
			>						
			>						
			>						
			>						
			>						
			>						

Dmm 040595

REVISED 1/3/95. VOA2 Supervisor Review: QA Review:

Inchcape Testing Services
West-Paine Laboratories
(504) 769-4900 • Fax (504) 767-5717

CHAIN OF CUSTODY RECORD

Lab use only: PRC | 2291 | 9502320 | 3/31/95

Client Name | Client # | Group # | Due Date

Submitted by
Client: PRC
Address: 350 N. St. Paul Suite 2600 Dallas Tx. 75201
Contact: ~~Kevin Mathern~~ J. Middleton
Phone: 214/754-8765
Fax: 214/922-9715

Bill to
Client: PRC
Address: 350 N ST PAUL #2600 DALLAS, TX 75201
Contact: JOAN MIDDLETON
Phone: 214-754-8765

P. O. Number

Project Name/Number: SBA Shipyards

Sampled By: Luis Vega, WADE Pierson Wade Pierson

ORIGINAL

Analytical Requests: TCLP Volatiles

Lab use only: LAB M ☐ ☐ | Gen Chem ☐ ☐ | Metals ☐ ☐ | GC/MS VOA ☑ ☐ | GC/MS Semi-V ☐ ☐ | GC/Semi-V ☐ ☐ | GC ☐ ☐ | Extractions ☐ ☑ | Client Services ☑ ☐ | Ship ☐ ☐ | Info Request ☐ ☐

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No. Containers	TCLP Volatiles	Remarks:	Lab ID
SW WP	3/22/95	10:25		X	SBA2-FB01	NONE	2	X	Field Blank	3123-21
SL	3/22/95	10:50		X	SBA2-01	NONE	2	X		-22
SL	3/22/95	11:00		X	SBA2-02	NONE	2	X		-23
SL	3/22/95	11:05		X	SBA2-03	NONE	2	X		-24
SL	3/22/95	11:10		X	SBA2-04	NONE	2	X	MS/MSD	25,26,27
SL	3/22/95	11:25		X	SBA2-05	NONE	2	X		-28
SL	3/22/95	11:35		X	SBA2-06	NONE	2	X		-29
SL	3/22/95	12:00		X	SBA2-09	NONE	2	X		-30
SL	3/22/95	12:05		X	SBA2-08	NONE	2	X		-31
SL	3/22/95	12:20		X	SBA2-07	NONE	2	X		-32
S	3/22/95	12:40		X	SBA2-11	NONE	2	X		-33
S	3/22/95	12:50		X	SBA2-10	NONE	2	X		-34
W	3/22/95			X	SBA2-TB01					-35

Lab use only: Custody Seal used ☐ yes ☐ no | in tact ☐ yes ☐ no
Temperature °C 11

Turn Around Time: ☐ 24-48 hrs. (min. 100%) ☐ 3 days (75%) ☐ 1 week (50%) ● Standard Other _____

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Luis Vega 3/22 1600	Michelle Cockrell	3/22/95	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: Note in Comments: Level IV Package

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

✓ Water ✓ Solid ___ Oil ___ Sludge

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, O = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (504) 767-5717

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

QUANT REPORT

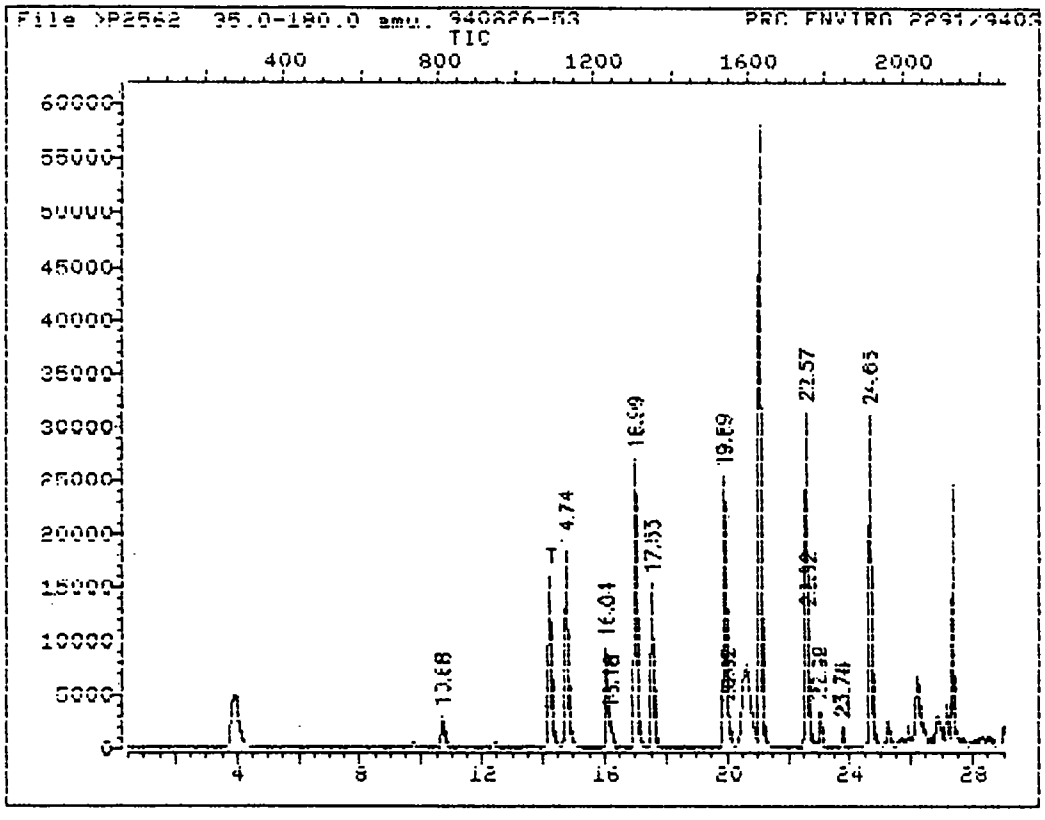
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940909 06:35
Output File: ^P2562::D1 Injected at: 940909 06:05
Data File: >P2562::D2 Dilution Factor: 1250.000
Name: 940826-53
Misc: PRC ENVIRO 2291/9403016/1250DL /J5

ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940909 01:07

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.74	1132	13316	50.00	PPB	72
11)	Methylene chloride	10.68	810	4049	7730.82	PPB	78
16)	cis-1,2-Dichloroethylene	14.18	1088	38433	24215.45	PPB	89
20)	*1,4-DIFLUOROBENZENE	16.99	1310	61056	50.00	PPB	86
22)	1,2-DICHLOROETHANE-D4	16.04	1235	20379	54742.08	PPB	79
24)	Benzene	16.18	1246	5511	~~5159.92~~	PPB	100
25)	Trichloroethene	17.53	1353	15093	36643.34	PPB	94
31)	TOLUENE-D8	19.89	1540	46614	56364.45	PPB	95
32)	Toluene	20.02	1550	5188	~~4708.19~~	PPB	92
35)	*CHLOROBENZENE-D5	22.57	1752	46497	50.00	PPB	86
36)	Tetrachloroethene	21.05	1632	40345	109254.4	PPB	98
40)	Chlorobenzene	22.62	1756	972	~~1200.47~~	PPB	81
41)	Ethyl benzene	22.99	1786	2326	6189.09	PPB	74
42)	p,m-Xylene	22.99	1786	2326	~~4918.54~~	PPB	69
43)	o-Xylene	23.74	1845	694	~~1425.41~~	PPB	90
44)	Styrene	23.75	1846	1604	~~1977.68~~	PPB	97
46)	BROMOFLUOROBENZENE	24.65	1917	38284	61269.84	PPB	69

* Compound is ISTD

TOTAL ION CHROMATOGRAM

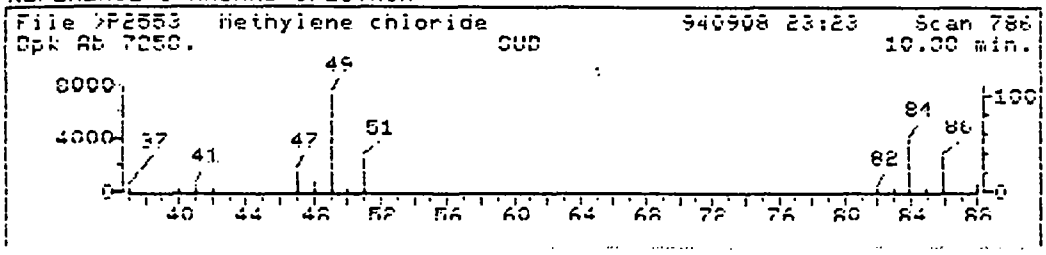


Data File: >P2562::D2 Quant Output File: ^P2562::D1
Name: 940826-53
Misc: PRC ENVIRO 2291/9403016/1250DL /05

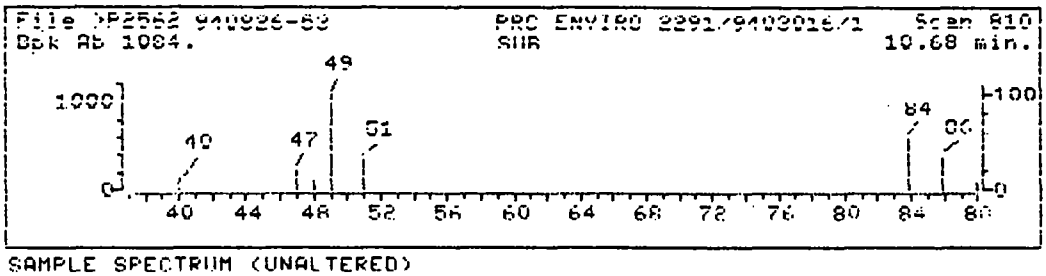
Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 01:07

Operator ID: BUBBA
Quant Time: 940909 06:35
Injected at: 940909 06:05

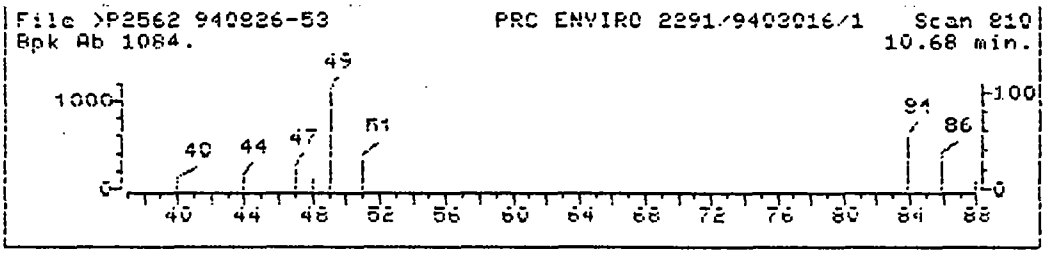
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



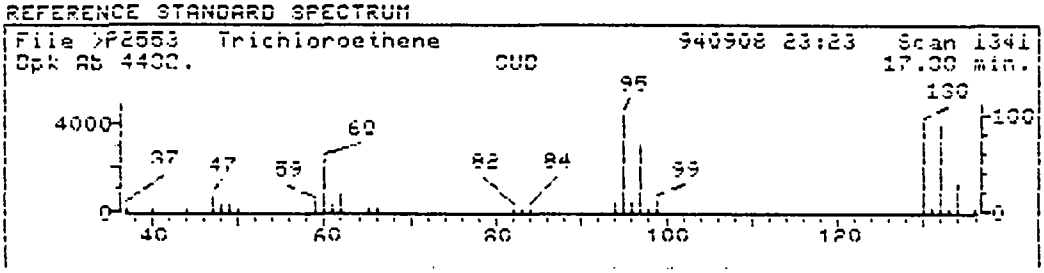
SAMPLE SPECTRUM (UNALTERED)



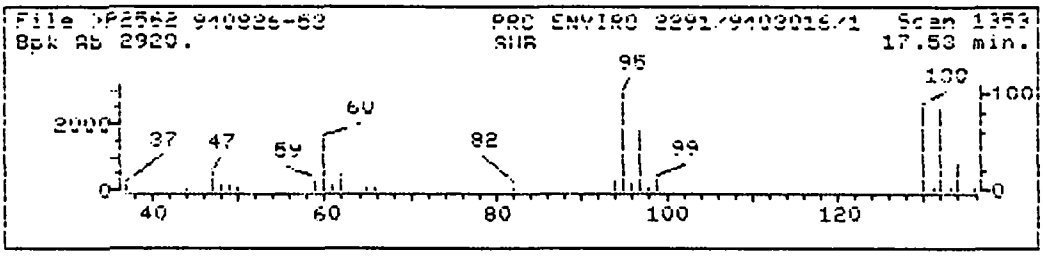
Data File: >P2562::D2 Quant Output File: ^P2562::D1
Name: 940826-53
Misc: PRC ENVIRO 2291/9403016/125UDL /J5
Quant Time: 940909 06:35 Quant ID File: IDCOM1::A3
Injected at: 940909 06:05 Last Calibration: 940909 01:07

Compound No: 11
Compound Name: Methylene chloride
Scan Number: 810
Retention Time: 10.68 min.
Quant Ion: 84.0
Area: 4049
Concentration: 7730.02 PPB
q-value: 78

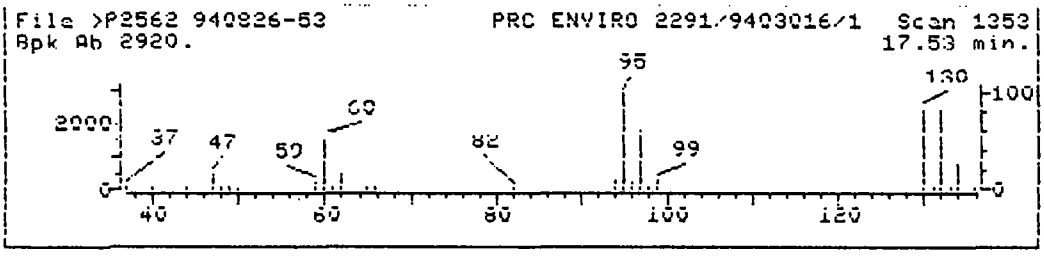
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



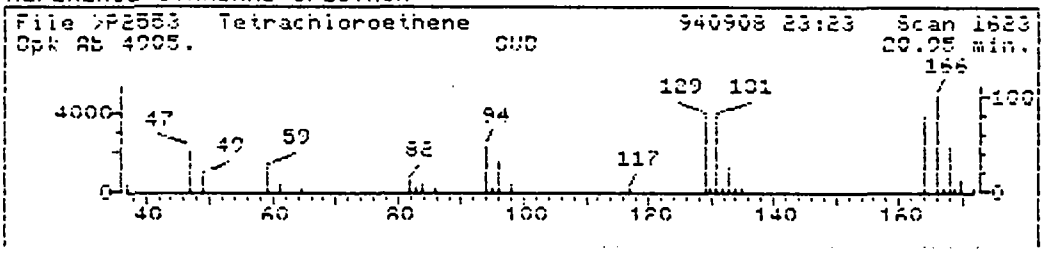
SAMPLE SPECTRUM (UNALTERED)



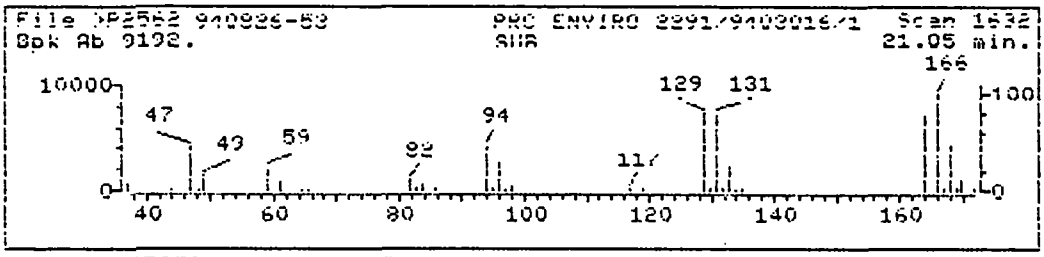
Data File: >P2562::D2 Quant Output File: ^P2562::D1
Name: 940826-53
Misc: PRC ENVIRO 2291/9403016/1250DL /JS
Quant Time: 940909 06:35 Quant ID File: IDCOM1::A3
Injected at: 940909 06:05 Last Calibration: 940909 01:07

Compound No: 25
Compound Name: Trichloroethene
Scan Number: 1353
Retention Time: 17.53 min.
Quant Ion: 130.0
Area: 15093
Concentration: 36643.34 PPB
q-value: 94

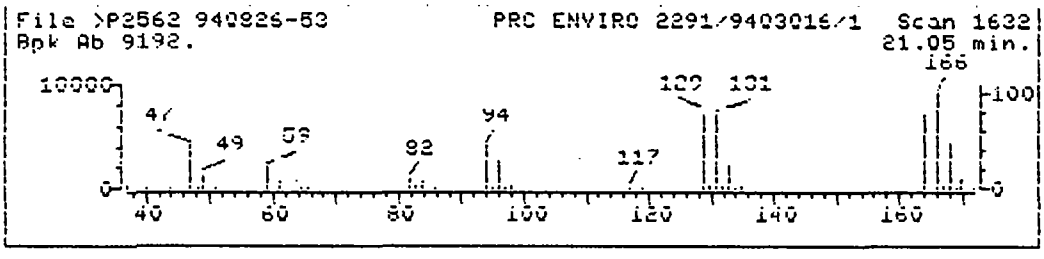
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2562::D2 Quant Output File: ^P2562::D1
Name: 940826-53
Misc: PRC ENVIRO 2291/9403016/1250DL /J5
Quant Time: 940909 06:35 Quant ID File: IDCCN1::A3
Injected at: 940909 06:05 Last Calibration: 940909 01:07

Compound No: 36
Compound Name: Tetrachloroethene
Scan Number: 1632
Retention Time: 21.05 min.
Quant Ion: 164.0
Area: 40345
Concentration: 109254.4 PPB
q-value: 98

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260053
CLIENT ID : SBA-14
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:50

ANALYST: hjp
ANALYSIS DATE: 08/28/94
ANALYSIS TIME: 02:03
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	0.14	0.7	0.05	10	8240
Trichloroethylene	0.11	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

QUANT REPORT

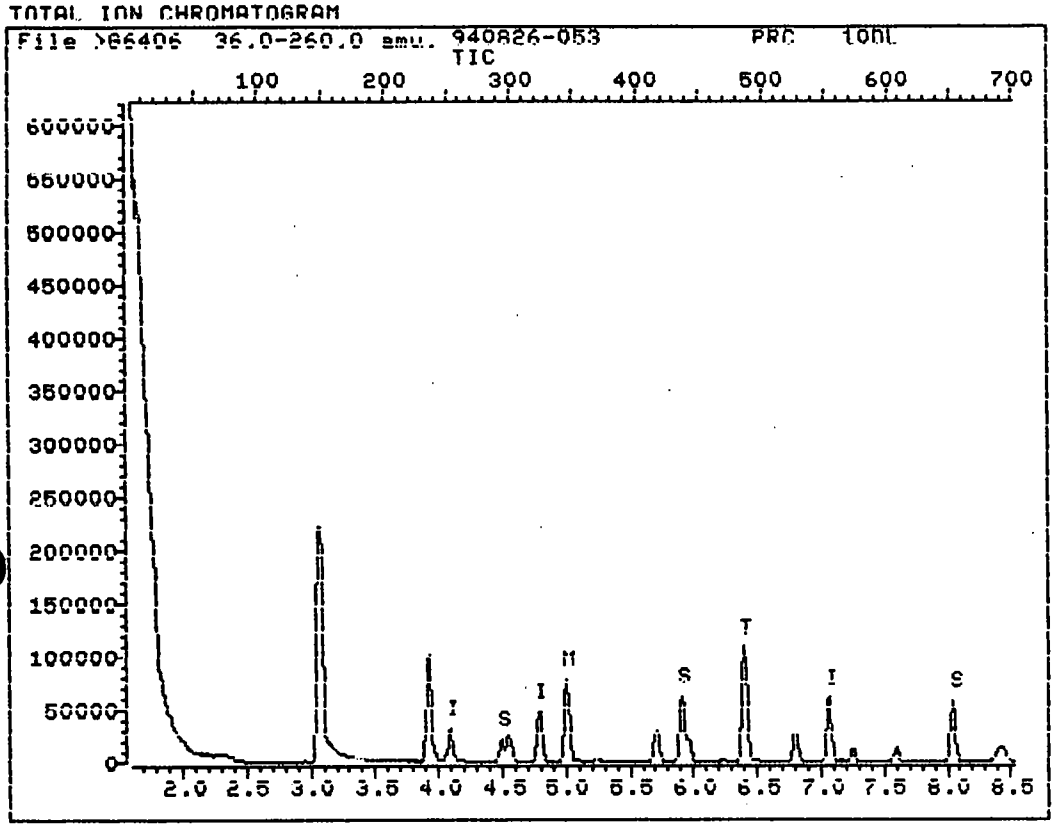
Operator ID: JULES Quant Rev: 6 Quant Time: 940829 08:43
Output File: ^G6406::A2 Injected at: 940828 02:03
Data File: >G6406::A4 Dilution Factor: 1.00000
Name: 940826-053
Misc: PRC 10DL

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.09	252	10322	50.00	ug/L	73
20)	*1,4-DIFLUOROBENZENE	4.78	322	56497	50.00	ug/L	97
22)	1,2-DICHLOROETHANE-D4	4.50	293	19396	51.28	ug/L	93
25)	Trichloroethene	5.00	344	41032	116.41	ug/L	88
31)	TOLUENE-D8	5.91	436	58610	53.60	ug/L	95
35)	*CHLOROBENZENE-D5	7.06	552	50080	50.00	ug/L	92
36)	Tetrachloroethene	6.39	485	46908	137.22	ug/L	97
46)	4-BROMOFLUOROBENZENE	8.04	652	33128	49.58	ug/L	96

* Compound is ISTD

TOTAL ION CHROMATOGRAM

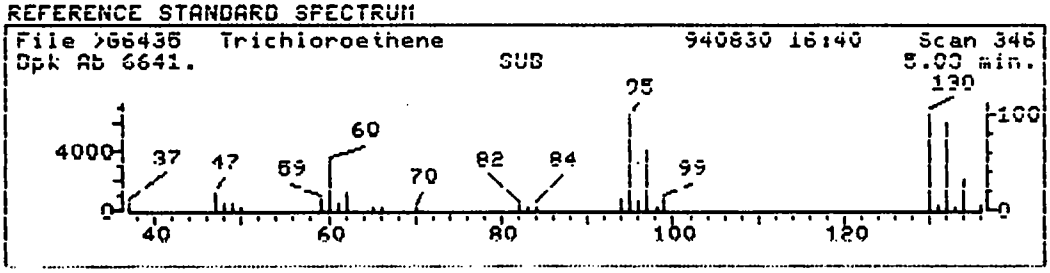


Data File: >G6406::A4 Quant Output File: ^G6406::A2
Name: 940826-053
Misc: PRC 10DL

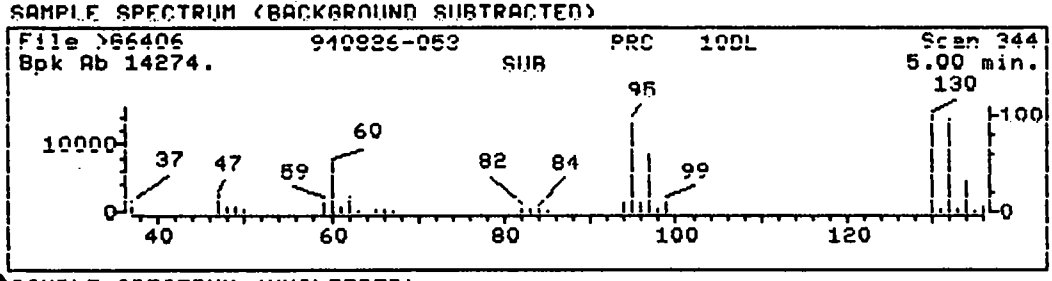
Id File: ID1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940829 08:43
Injected at: 940828 02:03

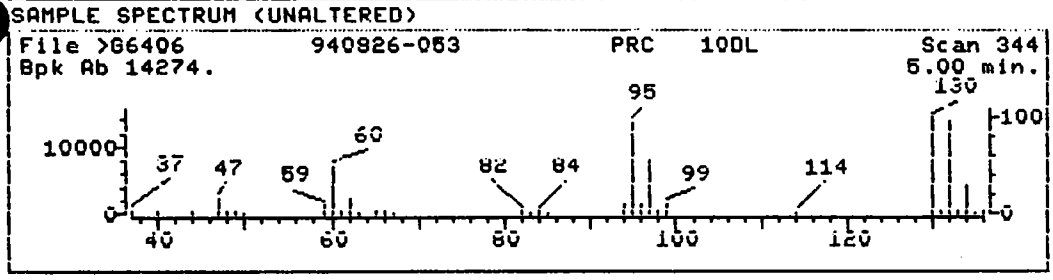
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



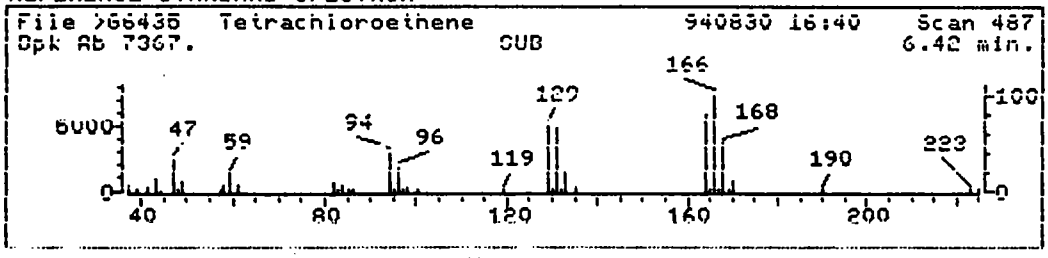
SAMPLE SPECTRUM (UNALTERED)



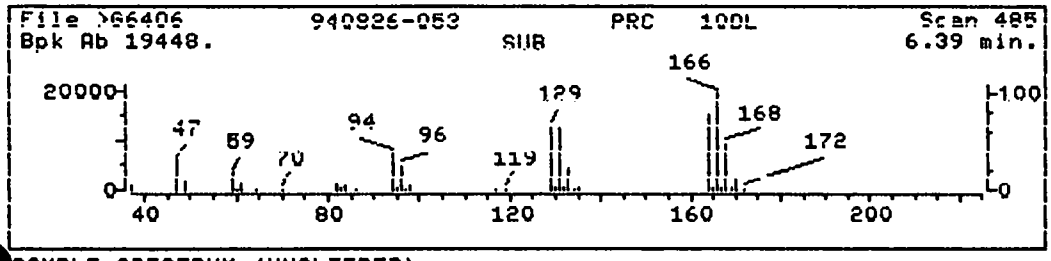
Data File: >G6406::A4 Quant Output File: ^G6406::A2
Name: 940826-053
Misc: PRC 10DL
Quant Time: 940829 08:43 Quant ID File: ID1NW2::A3
Injected at: 940828 02:03 Last Calibration: 940828 01:25

Compound No: 25
Compound Name: Trichloroethene
Scan Number: 344
Retention Time: 5.00 min.
Quant Ion: 130.0
Area: 41032
Concentration: 116.41 ug/L
q-value: 88

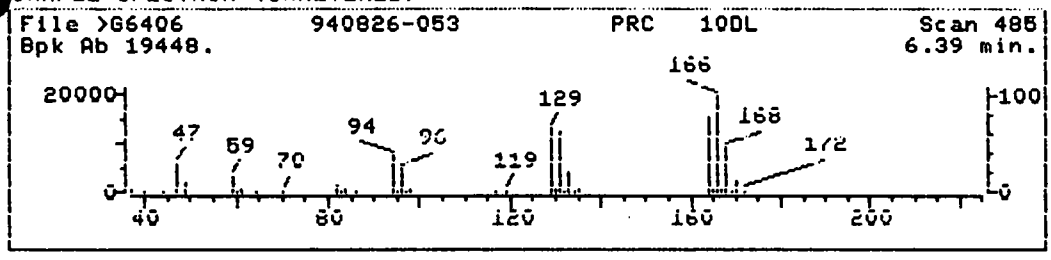
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >G6406::A4 Quant Output File: ^G6406::A2
Name: 940826-053
Misc: PRC 10DL
Quant Time: 940829 08:43 Quant ID File: ID1NW2::A3
Injected at: 940828 02:03 Last Calibration: 940828 01:25

Compound No: 36
Compound Name: Tetrachloroethene
Scan Number: 485
Retention Time: 6.39 min.
Quant Ion: 164.0
Area: 46908
Concentration: 137.22 ug/L
q-value: 97

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260042
CLIENT ID : SBA-TB01
SAMPLE DATE: 08/25/94
SAMPLE TIME: 11:05

REPORT DATE : 09/30/94
MATRIX : WATER
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/03/94 METHOD: 8240
ANALYSIS TIME: 23:05 PREP REQ : N PREP DATE :

PARAMETER		RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	<	DL	1	5
Bromoform	<	DL	1	5
Carbon tetrachloride	<	DL	1	5
Chlorobenzene	<	DL	1	5
Chlorodibromomethane	<	DL	1	5
Chloroethane	<	DL	1	5
2-Chloroethylvinyl ether	<	DL	1	5
Chloroform	<	DL	1	5
1,2-Dichlorobenzene	<	DL	1	5
1,4-Dichlorobenzene	<	DL	1	5
1,3-Dichlorobenzene	<	DL	1	5
Dichlorobromomethane	<	DL	1	5
1,1-Dichloroethane	<	DL	1	5
1,2-Dichloroethane	<	DL	1	5
1,1-Dichloroethene	<	DL	1	5
trans-1,2-Dichloroethene	<	DL	1	5
1,2-Dichloropropane	<	DL	1	5
1,3-Dichloropropylene	<	DL	1	5
trans-1,3-Dichloropropene	<	DL	1	5
Ethylbenzene	<	DL	1	5
Methyl bromide	<	DL	1	5
Methyl chloride	<	DL	1	5
Methylene chloride	<	DL	1	10
1,1,2,2-Tetrachloroethane	<	DL	1	5
Tetrachloroethene	<	DL	1	5
Toluene	<	DL	1	5
1,1,1-Trichloroethane	<	DL	1	5
1,1,2-Trichloroethane	<	DL	1	5
Trichloroethene	<	DL	1	5
Trichlorofluoromethane	<	DL	1	5
Vinyl chloride	<	DL	1	5
Total Xylene	<	DL	1	5

0000583

QUANT REPORT

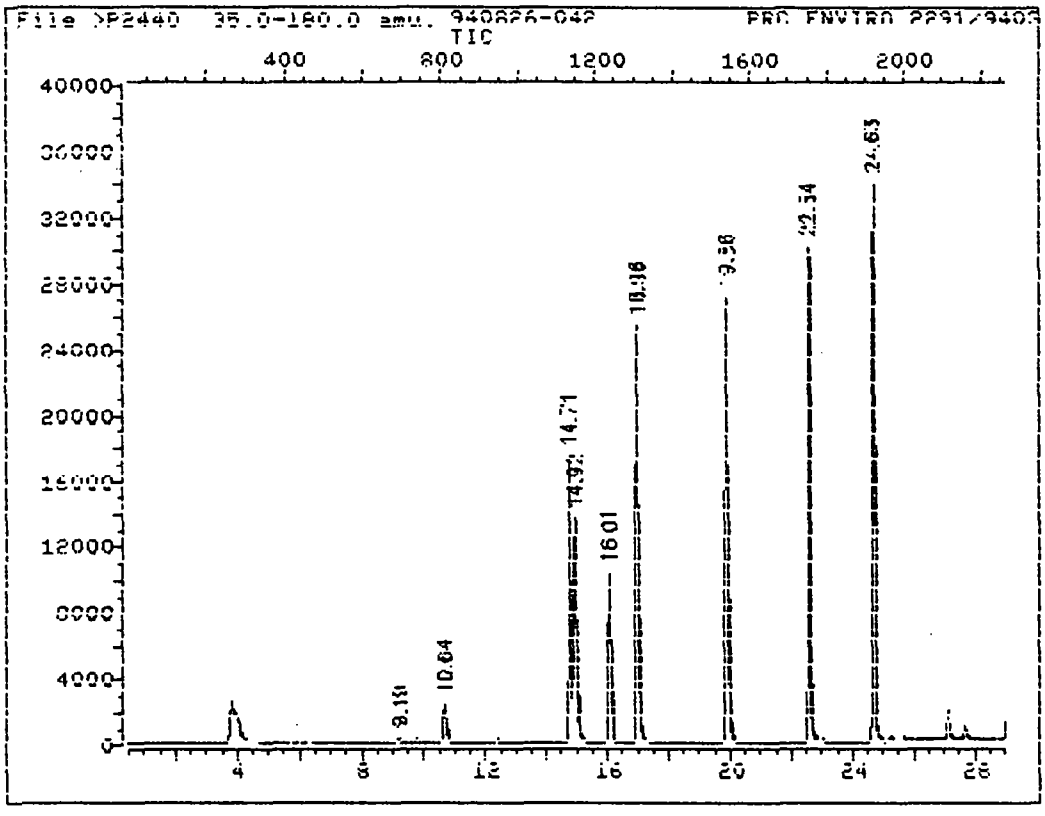
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940903 23:35
Output File: ^P2440::D1 Injected at: 940903 23:05
Data File: >P2440::D2 Dilution Factor: 1.00000
Name: 940826-042
Misc: PRC ENVIRO 2291/940301//NEAT/JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.71	1130	12404	50.00	PPB	81
10)	Acetone	9.19	692	1822	~~26.55~~	PPB	90
11)	Methylene chloride	10.64	807	3527	7.62	PPB	81
18)	Chloroform	14.92	1146	31548	37.36	PPB	97
20)	*1,4-DIFLUOROBENZENE	16.96	1308	56535	50.00	PPB	86
22)	1,2-DICHLOROETHANE-D4	16.01	1233	22493	52.39 105	PPB	82
31)	TOLUENE-D8	19.86	1538	50003	53.76 108	PPB	95
35)	*CHLOROBENZENE-D5	22.54	1750	44667	50.00	PPB	87
46)	BROMOFLUOROBENZENE	24.63	1916	40867	53.28 107	PPB	70

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2440::D2 Quant Output File: ^P2440::D1
Name: 940826-042
Misc: PRC ENVIRO 2291/9403017//NEAT/J5

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

Operator ID: BUBBA
Quant Time: 940903 23:35
Injected at: 940903 23:05

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260043
CLIENT ID : SBA-FB01
SAMPLE DATE: 08/25/94
SAMPLE TIME: 09:15

REPORT DATE : 09/30/94
MATRIX : WATER
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/06/94 METHOD: 8240
ANALYSIS TIME: 23:05 PREP REQ : N PREP DATE :

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	< DL	1	5
Bromoform	< DL	1	5
Carbon tetrachloride	< DL	1	5
Chlorobenzene	< DL	1	5
Chlorodibromomethane	< DL	1	5
Chloroethane	< DL	1	5
2-Chloroethylvinyl ether	< DL	1	5
Chloroform	32.9	1	5
1,2-Dichlorobenzene	< DL	1	5
1,4-Dichlorobenzene	< DL	1	5
1,3-Dichlorobenzene	< DL	1	5
Dichlorobromomethane	< DL	1	5
1,1-Dichloroethane	< DL	1	5
1,2-Dichloroethane	< DL	1	5
1,1-Dichloroethene	< DL	1	5
trans-1,2-Dichloroethene	< DL	1	5
1,2-Dichloropropane	< DL	1	5
1,3-Dichloropropylene	< DL	1	5
trans-1,3-Dichloropropene	< DL	1	5
Ethylbenzene	< DL	1	5
Methyl bromide	< DL	1	5
Methyl chloride	< DL	1	5
Methylene chloride	< DL	1	10
1,1,2,2-Tetrachloroethane	< DL	1	5
Tetrachloroethene	< DL	1	5
Toluene	< DL	1	5
1,1,1-Trichloroethane	< DL	1	5
1,1,2-Trichloroethane	< DL	1	5
Trichloroethene	< DL	1	5
Trichlorofluoromethane	< DL	1	5
Vinyl chloride	< DL	1	5
Total Xylene	< DL	1	5

0000586

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940906 23:35
Output File: ^P2492::D1 Injected at: 940906 23:05
Data File: >P2492::D2 Dilution Factor: 1.00000
Name: 940826-043
Misc: PRC ENVIRO 2291/9403016/NEAT/JS

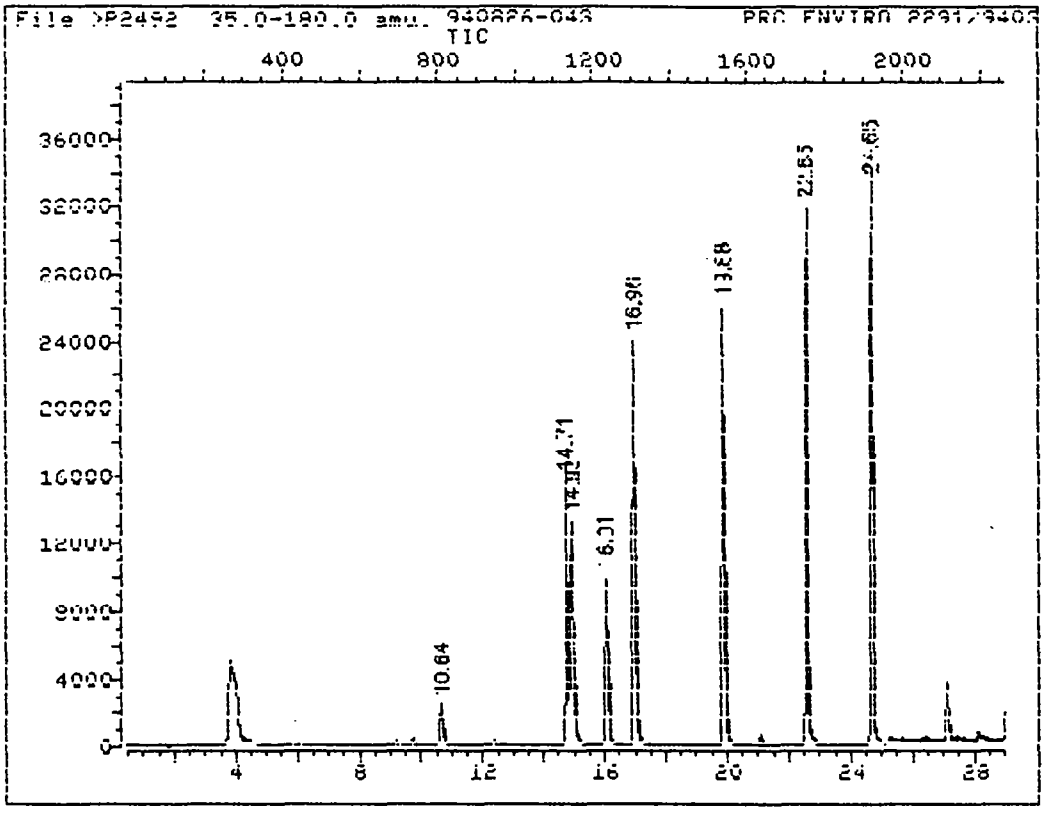
ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940906 18:30

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.71	1130	11773	50.00	PPB	75
11)	Methylene chloride	10.64	807	3494	6.92	PPB	80
18)	Chloroform	14.93	1147	30718	32.87	PPB	98
20)	*1,4-DIFLUOROBENZENE	16.96	1308	55617	50.00	PPB	88
22)	1,2-DICHLOROETHANE-D4	16.01	1233	20953	43.31 87	PPB	83
31)	TOLUENE-D8	19.88	1539	47993	44.93 90	PPB	97
35)	*CHLOROBENZENE-D5	22.55	1751	46778	50.00	PPB	88
36)	Tetrachloroethene	21.04	1631	274	~~55~~	PPB	95
46)	BROMOFLUOROBENZENE	24.65	1917	41505	43.56 87	PPB	66

* Compound is ISTD

0000587

TOTAL ION CHROMATOGRAM

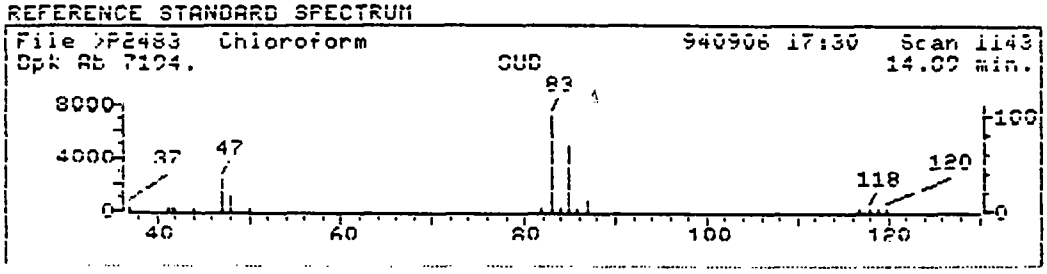


Data File: >P2492::D2 Quant Output File: ^P2492::D1
Name: 940826-043
Misc: PRC ENVIRO 2291/9403016/NEAT/JS

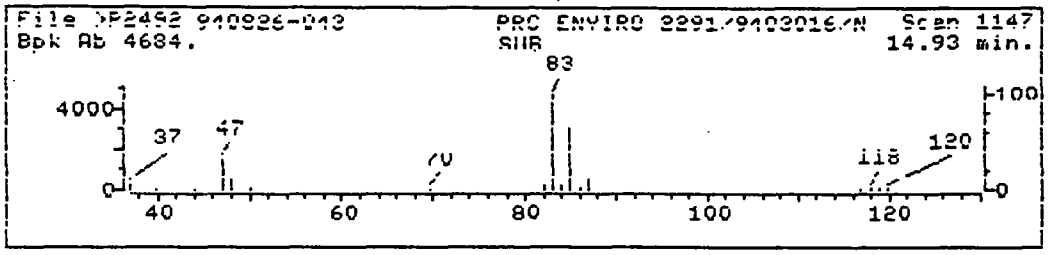
Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 18:30

Operator ID: BUBBA
Quant Time: 940906 23:35
Injected at: 940906 23:05

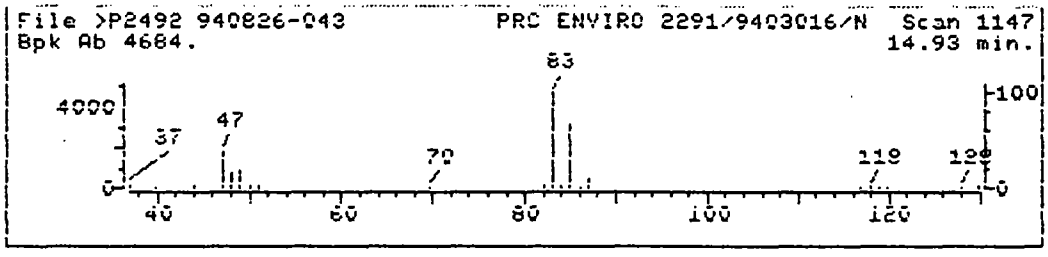
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2492::D2 Quant Output File: ^P2492::D1
Name: 940826-043
Misc: PRC ENVIRO 2291/9403016/NEAT/JS
Quant Time: 940906 23:35 Quant ID File: IDCCW1::A3
Injected at: 940906 23:05 Last Calibration: 940906 18:30

Compound No: 18
Compound Name: Chloroform
Scan Number: 1147
Retention Time: 14.93 min.
Quant Ion: 83.0
Area: 30718
Concentration: 32.87 PPB
q-value: 98

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260045
CLIENT ID : SBA-ER01
SAMPLE DATE: 08/25/94
SAMPLE TIME: 09:20

REPORT DATE : 09/30/94
MATRIX : WATER
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/06/94 METHOD: 8240
ANALYSIS TIME: 10:47 PREP REQ : N PREP DATE :

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	< DL	1	5
Bromoform	< DL	1	5
Carbon tetrachloride	< DL	1	5
Chlorobenzene	< DL	1	5
Chlorodibromomethane	< DL	1	5
Chloroethane	< DL	1	5
2-Chloroethylvinyl ether	< DL	1	5
Chloroform	32.4	1	5
1,2-Dichlorobenzene	< DL	1	5
1,4-Dichlorobenzene	< DL	1	5
1,3-Dichlorobenzene	< DL	1	5
Dichlorobromomethane	< DL	1	5
1,1-Dichloroethane	< DL	1	5
1,2-Dichloroethane	< DL	1	5
1,1-Dichloroethene	< DL	1	5
trans-1,2-Dichloroethene	< DL	1	5
1,2-Dichloropropane	< DL	1	5
1,3-Dichloropropylene	< DL	1	5
trans-1,3-Dichloropropene	< DL	1	5
Ethylbenzene	< DL	1	5
Methyl bromide	< DL	1	5
Methyl chloride	< DL	1	5
Methylene chloride	< DL	1	10
1,1,2,2-Tetrachloroethane	< DL	1	5
Tetrachloroethene	< DL	1	5
Toluene	< DL	1	5
1,1,1-Trichloroethane	< DL	1	5
1,1,2-Trichloroethane	< DL	1	5
Trichloroethene	< DL	1	5
Trichlorofluoromethane	< DL	1	5
Vinyl chloride	< DL	1	5
Total Xylene	< DL	1	5

0000590

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2472::D1
Data File: >P2472::D2
Name: 940826-045
Misc: PCR NEAT

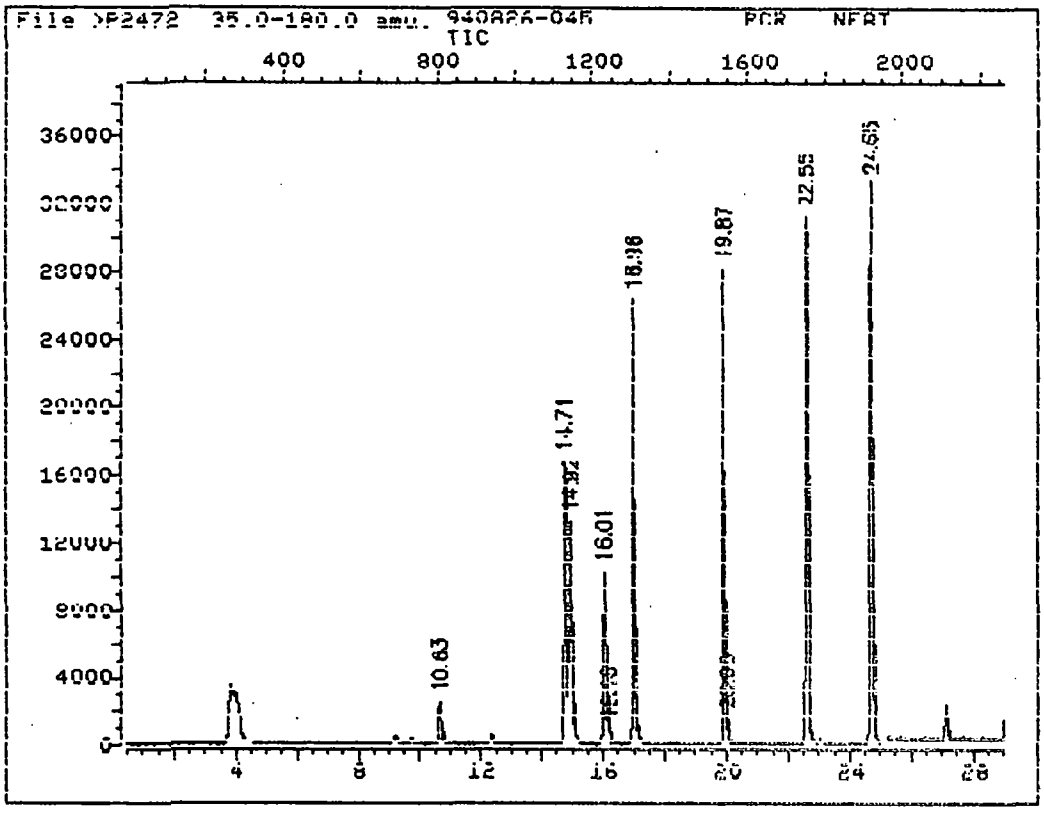
Quant Rev: 6 Quant Time: 940906 11:17
Injected at: 940906 10:47
Dilution Factor: 1.00000

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 08:02

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.71	1129	12380	50.00	PPB	78
11)	Methylene chloride	10.63	806	3458	~~6.05~~	PPB	78
18)	Chloroform	14.92	1146	31014	32.39	PPB	94
20)	*1,4-DIFLUOROBENZENE	16.96	1307	59315	50.00	PPB	89
22)	1,2-DICHLOROETHANE-D4	16.01	1232	22171	49.95 105	PPB	81
24)	Benzene	16.16	1244	555	.43	PPB	100
31)	TOLUENE-D8	19.87	1538	51778	51.86 104	PPB	99
32)	Toluene	20.00	1548	645	.47	PPB	88
35)	*CHLOROBENZENE-D5	22.55	1750	46969	50.00	PPB	90
46)	BROMOFLUOROBENZENE	24.65	1917	41002	52.33 105	PPB	62

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2472::D2 Quant Output File: ^P2472::D1
Name: 940826-045
Misc: PCR NEAT

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 08:02

Operator ID: BUBBA
Quant Time: 940906 11:17
Injected at: 940906 10:47

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260046
CLIENT ID : SBA-TB02
SAMPLE DATE: 08/25/94
SAMPLE TIME: 11:08

REPORT DATE : 09/30/94
MATRIX : WATER
RECEIVE DATE: 08/25/94

ANALYST: hjp ANALYSIS DATE: 09/08/94 METHOD: 8240
ANALYSIS TIME: 15:22 PREP REQ : N PREP DATE :

PARAMETER		RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Benzene	<	DL	1	5
Bromoform	<	DL	1	5
Carbon tetrachloride	<	DL	1	5
Chlorobenzene	<	DL	1	5
Chlorodibromomethane	<	DL	1	5
Chloroethane	<	DL	1	5
2-Chloroethylvinyl ether	<	DL	1	5
Chloroform		31.5	1	5
1,2-Dichlorobenzene	<	DL	1	5
1,4-Dichlorobenzene	<	DL	1	5
1,3-Dichlorobenzene	<	DL	1	5
Dichlorobromomethane	<	DL	1	5
1,1-Dichloroethane	<	DL	1	5
1,2-Dichloroethane	<	DL	1	5
1,1-Dichloroethene	<	DL	1	5
trans-1,2-Dichloroethene	<	DL	1	5
1,2-Dichloropropane	<	DL	1	5
1,3-Dichloropropylene	<	DL	1	5
trans-1,3-Dichloropropene	<	DL	1	5
Ethylbenzene	<	DL	1	5
Methyl bromide	<	DL	1	5
Methyl chloride	<	DL	1	5
Methylene chloride	<	DL	1	10
1,1,2,2-Tetrachloroethane	<	DL	1	5
Tetrachloroethene	<	DL	1	5
Toluene	<	DL	1	5
1,1,1-Trichloroethane	<	DL	1	5
1,1,2-Trichloroethane	<	DL	1	5
Trichloroethene	<	DL	1	5
Trichlorofluoromethane	<	DL	1	5
Vinyl chloride	<	DL	1	5
Total Xylene	<	DL	1	5

0000593

QUANT REPORT

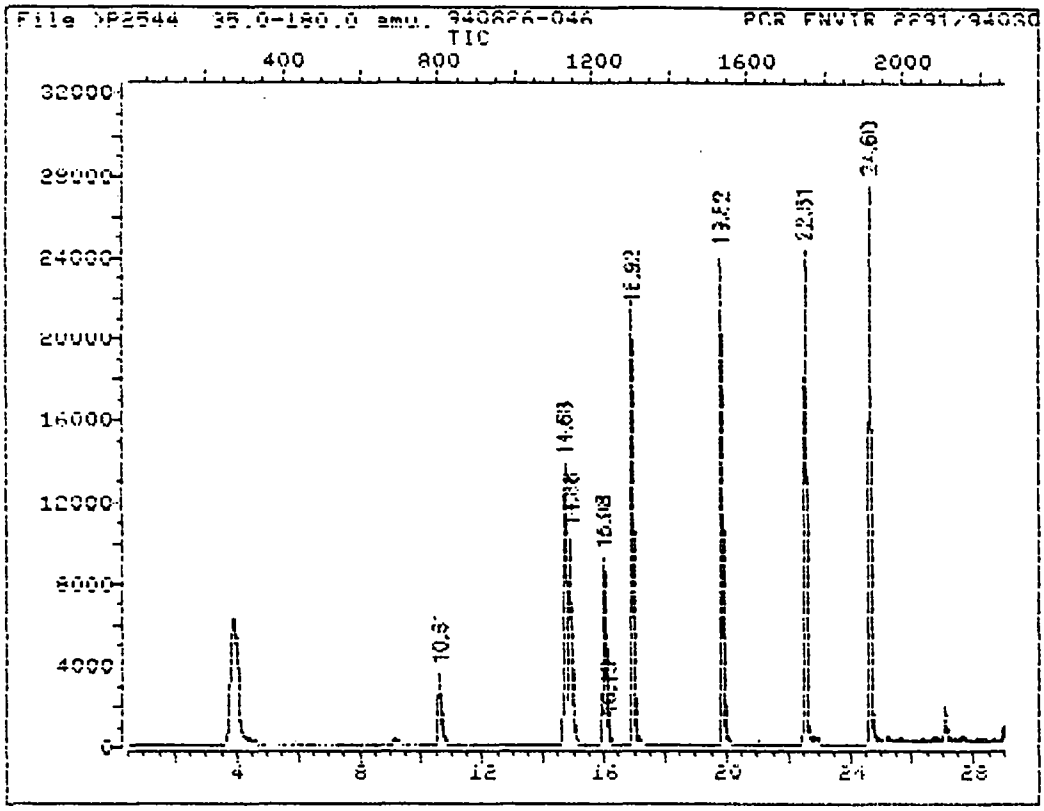
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940908 15:52
Output File: ^P2544::D1 Injected at: 940908 15:22
Data File: >P2544::D2 Dilution Factor: 1.000000
Name: 940826-046
Misc: PCR ENVIR 2291/9403016/NEAT/JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940908 11:52

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.68	1127	10319	50.00	PPB	72
11)	Methylene chloride	10.61	804	5281	9.73	PPB	81
18)	Chloroform	14.88	1143	24929	31.46	PPB	98
20)	*1,4-DIFLUOROBENZENE	16.92	1304	50687	50.00	PPB	93
22)	1,2-DICHLOROETHANE-D4	15.98	1230	19319	55.11	PPB	81
23)	1,2-Dichloroethane	16.15	1243	1473	2.92	PPB	92
31)	TOLUENE-D8	19.82	1534	44654	57.62	PPB	96
35)	*CHLOROBENZENE-D5	22.51	1747	36641	50.00	PPB	87
46)	BROMOFLUOROBENZENE	24.60	1913	33191	56.96	PPB	69

* Compound is ISTD

TOTAL ION CHROMATOGRAM



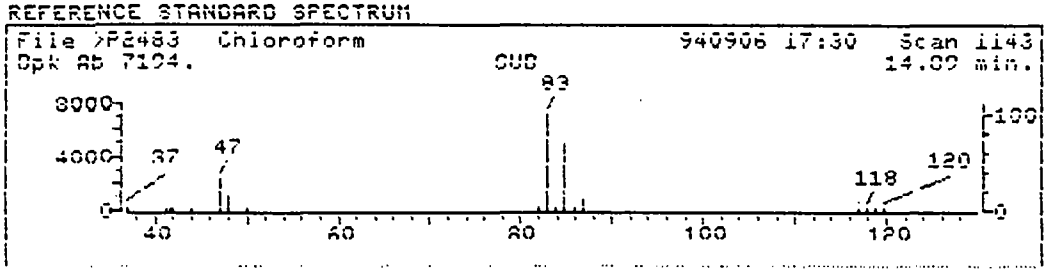
Data File: >P2544::D2 Quant Output File: ^P2544::D1
Name: 940826-046
Misc: PCR ENVIR 2291/9403016/NEAT/JS

Id File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940908 11:52

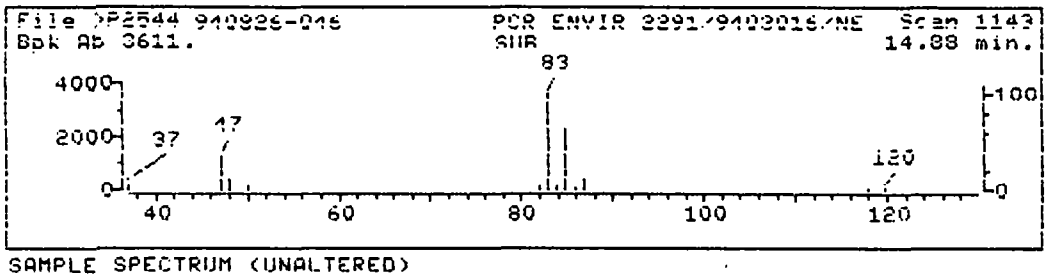
Operator ID: BUBBA
Quant Time: 940908 15:52
Injected at: 940908 15:22

Operator I
Output Fil
Data File

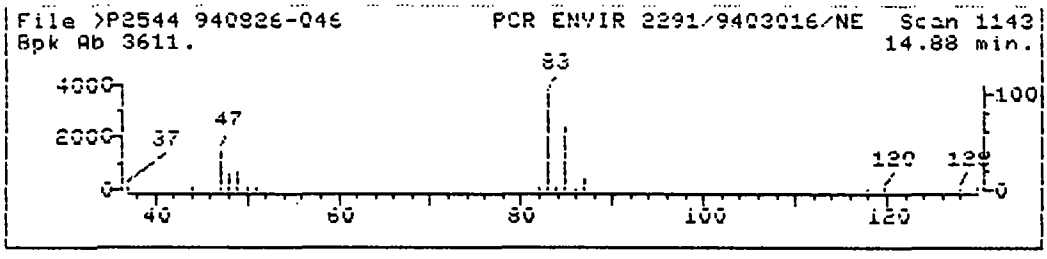
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P2544::D2 Quant Output File: ^P2544::D1
Name: 940826-046
Misc: PCR ENVIR 2291/9403016/NEAT/JS
Quant Time: 940908 15:52 Quant ID File: IDCC01::A3
Injected at: 940908 15:22 Last Calibration: 940908 11:52

Compound No: 18
Compound Name: Chloroform
Scan Number: 1143
Retention Time: 14.88 min.
Quant Ion: 83.0
Area: 24929
Concentration: 31.46 PPB
q-value: 96

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SURROGATE DETAIL RESULTS

Sample#: 9408260030 Client ID: SBA-01
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	108	81 - 117	8240
1,2-Dichloroethane-d4	100	70 - 121	8240
4-Bromofluorobenzene	116	74 - 121	8240
Phenol-d6	58	24 - 113	8270
2-Fluorobiphenyl	72	30 - 115	8270
Nitrobenzene-d5	66	23 - 120	8270
2-Fluorophenol	52	25 - 121	8270
2,4,6-Tribromophenol	49	19 - 122	8270
Terphenyl-d14	68	18 - 137	8270
Phenol-d6	51	10 - 94	TCLP 1311/8270
2-Fluorophenol	46	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	81	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	66	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	71	10 - 123	TCLP 1311/8270
Terphenyl-d14	73	33 - 141	TCLP 1311/8270
Toluene-d8	117	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	118	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	106	74 - 121	ZHE 1311/8240

Sample#: 9408260031 Client ID: SBA-02
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8240
1,2-Dichloroethane-d4	89	70 - 121	8240
4-Bromofluorobenzene	101	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	48	10 - 94	TCLP 1311/8270
2-Fluorophenol	41	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	76	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	68	43 - 116	TCLP 1311/8270

Report#: 9403016
DO = Diluted Out

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SURROGATE DETAIL RESULTS

Sample#: 9408260031 Client ID: SBA-02
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2,4,6-Tribromophenol	76	10 - 123	TCLP 1311/8270
Terphenyl-d14	69	33 - 141	TCLP 1311/8270
Toluene-d8	110	81 - 117	ZHB 1311/8240
1,2-Dichloroethane-d4	105	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	101	74 - 121	ZHE 1311/8240

Sample#: 9408260032 Client ID: SBA-03
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	102	81 - 117	8240
1,2-Dichloroethane-d4	100	70 - 121	8240
4-Bromofluorobenzene	116	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	37	10 - 94	TCLP 1311/8270
2-Fluorophenol	51	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	69	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	76	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	25	10 - 123	TCLP 1311/8270
Terphenyl-d14	86	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHB 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHB 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Sample#: 9408260033 Client ID: SBA-04
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	99	81 - 117	8240
1,2-Dichloroethane-d4	98	70 - 121	8240
4-Bromofluorobenzene	110	74 - 121	8240

Report#: 9403016
DO = Diluted Out

0000598

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SURROGATE DETAIL RESULTS

Sample#: 9408260033 Client ID: SBA-04
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	45	10 - 94	TCLP 1311/8270
2-Fluorophenol	46	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	80	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	66	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	71	10 - 123	TCLP 1311/8270
Terphenyl-d14	75	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	106	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Sample#: 9408260034 Client ID: SBA-05
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	108	81 - 117	8240
1,2-Dichloroethane-d4	95	70 - 121	8240
4-Bromofluorobenzene	109	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	47	10 - 94	TCLP 1311/8270
2-Fluorophenol	49	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	82	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	70	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	77	10 - 123	TCLP 1311/8270
Terphenyl-d14	74	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240

Report#: 9403016
DO = Diluted Out

0000599

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SURROGATE DETAIL RESULTS

Sample#: 9408260034 Client ID: SBA-05
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	99	74 - 121	ZHE 1311/8240

Sample#: 9408260035 Client ID: SBA-05(MS)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	96	81 - 117	8240
1,2-Dichloroethane-d4	88	70 - 121	8240
4-Bromofluorobenzene	108	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	57	10 - 94	TCLP 1311/8270
2-Fluorophenol	54	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	84	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	77	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	76	10 - 123	TCLP 1311/8270
Terphenyl-d14	79	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	99	74 - 121	ZHE 1311/8240

Sample#: 9408260036 Client ID: SBA-05(MSD)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	109	81 - 117	8240
1,2-Dichloroethane-d4	97	70 - 121	8240
4-Bromofluorobenzene	110	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270

Report#: 9403016
DO = Diluted Out

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SURROGATE DETAIL RESULTS

Sample#: 9408260036 Client ID: SBA-05(MSD)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	44	10 - 94	TCLP 1311/8270
2-Fluorophenol	84	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	83	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	77	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	72	10 - 123	TCLP 1311/8270
Terphenyl-d14	74	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	93	74 - 121	ZHE 1311/8240

Sample#: 9408260037 Client ID: SBA-06
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	109	81 - 117	8240
1,2-Dichloroethane-d4	95	70 - 121	8240
4-Bromofluorobenzene	100	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	42	10 - 94	TCLP 1311/8270
2-Fluorophenol	44	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	82	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	67	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	73	10 - 123	TCLP 1311/8270
Terphenyl-d14	73	33 - 141	TCLP 1311/8270
Toluene-d8	110	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	104	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Report#: 9403016
DO = Diluted Out

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SURROGATE DETAIL RESULTS

Sample#: 9408260038 Client ID: SBA-07
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8240
1,2-Dichloroethane-d4	91	70 - 121	8240
4-Bromofluorobenzene	105	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	47	10 - 94	TCLP 1311/8270
2-Fluorophenol	51	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	94	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	75	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	81	10 - 123	TCLP 1311/8270
Terphenyl-d14	79	33 - 141	TCLP 1311/8270
Toluene-d8	105	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	97	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Sample#: 9408260039 Client ID: SBA-08
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	98	81 - 117	8240
1,2-Dichloroethane-d4	95	70 - 121	8240
4-Bromofluorobenzene	109	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	45	10 - 94	TCLP 1311/8270
2-Fluorophenol	49	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	97	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	73	43 - 116	TCLP 1311/8270

Report#: 9403016
DO = Diluted Out

0000602

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SURROGATE DETAIL RESULTS

Sample#: 9408260039 Client ID: SBA-08
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2,4,6-Tribromophenol	76	10 - 123	TCLP 1311/8270
Terphenyl-d14	74	33 - 141	TCLP 1311/8270
Toluene-d8	106	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	112	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	104	74 - 121	ZHE 1311/8240

Sample#: 9408260040 Client ID: SBA-09
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	106	81 - 117	8240
1,2-Dichloroethane-d4	104	70 - 121	8240
4-Bromofluorobenzene	120	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	40	10 - 94	TCLP 1311/8270
2-Fluorophenol	47	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	94	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	75	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	79	10 - 123	TCLP 1311/8270
Terphenyl-d14	68	33 - 141	TCLP 1311/8270
Toluene-d8	109	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	109	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	102	74 - 121	ZHE 1311/8240

Sample#: 9408260041 Client ID: SBA-10
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	103	81 - 117	8240
1,2-Dichloroethane-d4	100	70 - 121	8240
4-Bromofluorobenzene	108	74 - 121	8240

Report#: 9403016
DO = Diluted Out

Inchcape Testing Services
Environmental Laboratories

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FAX (504) 767-5717

SURROGATE DETAIL RESULTS

Sample#: 9408260041 Client ID: SBA-10
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	28	10 - 94	TCLP 1311/8270
2-Fluorophenol	31	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	81	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	72	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	51	10 - 123	TCLP 1311/8270
Terphenyl-d14	73	33 - 141	TCLP 1311/8270
Toluene-d8	109	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	104	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	99	74 - 121	ZHE 1311/8240

Sample#: 9408260042 Client ID: SBA-TB01
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	108	88 - 110	8240
1,2-Dichloroethane-d4	105	76 - 114	8240
4-Bromofluorobenzene	107	86 - 115	8240

Sample#: 9408260043 Client ID: SBA-FB01
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	88 - 110	8240
1,2-Dichloroethane-d4	87	76 - 114	8240
4-Bromofluorobenzene	87	86 - 115	8240

DO = Diluted Out

Report#: 9403016

0000604

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Environmental Laboratories

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SURROGATE DETAIL RESULTS

Sample#: 9408260045 Client ID: SBA-ER01
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	104	88 - 110	8240
1,2-Dichloroethane-d4	100	76 - 114	8240
4-Bromofluorobenzene	105	86 - 115	8240
Phenol-d6	43	10 - 94	8270
2-Fluorophenol	49	21 - 100	8270
Nitrobenzene-d5	81	35 - 114	8270
2-Fluorobiphenyl	73	43 - 116	8270
2,4,6-Tribromophenol	62	10 - 123	8270
Terphenyl-d14	78	33 - 141	8270

Sample#: 9408260046 Client ID: SBA-TB02
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	115	88 - 110	8240
1,2-Dichloroethane-d4	110	76 - 114	8240
4-Bromofluorobenzene	114	86 - 115	8240

Sample#: 9408260048 Client ID: SBA-11
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	97	81 - 117	8240
1,2-Dichloroethane-d4	94	70 - 121	8240
4-Bromofluorobenzene	103	74 - 121	8240
Phenol-d6	61	24 - 113	8270
2-Fluorobiphenyl	62	30 - 115	8270
Nitrobenzene-d5	58	23 - 120	8270
2-Fluorophenol	50	25 - 121	8270
2,4,6-Tribromophenol	39	19 - 122	8270
Terphenyl-d14	78	18 - 137	8270
Phenol-d6	15	10 - 94	TCLP 1311/8270
2-Fluorophenol	15*	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	77	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	71	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	43	10 - 123	TCLP 1311/8270
Terphenyl-d14	85	33 - 141	TCLP 1311/8270

Report#: 9403016

0000605

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SURROGATE DETAIL RESULTS

Sample#: 9408260048 Client ID: SBA-11
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	109	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	104	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	105	74 - 121	ZHE 1311/8240

Sample#: 9408260049 Client ID: SBA-12
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	102	81 - 117	8240
1,2-Dichloroethane-d4	99	70 - 121	8240
4-Bromofluorobenzene	108	74 - 121	8240
Phenol-d6	67	24 - 113	8270
2-Fluorobiphenyl	68	30 - 115	8270
Nitrobenzene-d5	63	23 - 120	8270
2-Fluorophenol	54	25 - 121	8270
2,4,6-Tribromophenol	33	19 - 122	8270
Terphenyl-d14	74	18 - 137	8270
Phenol-d6	46	10 - 94	TCLP 1311/8270
2-Fluorophenol	49	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	70	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	74	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	78	10 - 123	TCLP 1311/8270
Terphenyl-d14	91	33 - 141	TCLP 1311/8270
Toluene-d8	114	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	110	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Sample#: 9408260050 Client ID: SBA-13
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8240
1,2-Dichloroethane-d4	90	70 - 121	8240
4-Bromofluorobenzene	90	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270

Report#: 9403016
DO = Diluted Out

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SURROGATE DETAIL RESULTS

Sample#: 9408260050 Client ID: SBA-13
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	43	10 - 94	TCLP 1311/8270
2-Fluorophenol	47	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	71	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	80	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	76	10 - 123	TCLP 1311/8270
Terphenyl-d14	95	33 - 141	TCLP 1311/8270
Toluene-d8	112	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	100	74 - 121	ZHE 1311/8240

Sample#: 9408260051 Client ID: SBA-13(MS)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	94	81 - 117	8240
1,2-Dichloroethane-d4	96	70 - 121	8240
4-Bromofluorobenzene	102	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	32	10 - 94	TCLP 1311/8270
2-Fluorophenol	34	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	87	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	83	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	58	10 - 123	TCLP 1311/8270
Terphenyl-d14	102	33 - 141	TCLP 1311/8270
Toluene-d8	112	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	100	74 - 121	ZHE 1311/8240

Report#: 9403016
DO = Diluted Out

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SURROGATE DETAIL RESULTS

Sample#: 9408260052 Client ID: SBA-13(MSD)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	94	81 - 117	8240
1,2-Dichloroethane-d4	92	70 - 121	8240
4-Bromofluorobenzene	105	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	35	10 - 94	TCLP 1311/8270
2-Fluorophenol	38	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	89	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	83	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	65	10 - 123	TCLP 1311/8270
Terphenyl-d14	110	33 - 141	TCLP 1311/8270
Toluene-d8	112	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	100	74 - 121	ZHE 1311/8240

Sample#: 9408260053 Client ID: SBA-14
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8240
1,2-Dichloroethane-d4	88	70 - 121	8240
4-Bromofluorobenzene	98	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	32	10 - 94	TCLP 1311/8270
2-Fluorophenol	32	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	84	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	74	43 - 116	TCLP 1311/8270

Report#: 9403016
DO = Diluted Out

Inchcape Testing Services
Environmental Laboratories

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SURROGATE DETAIL RESULTS

Sample#: 9408260053 Client ID: SBA-14
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2,4,6-Tribromophenol	66	10 - 123	TCLP 1311/8270
Terphenyl-d14	88	33 - 141	TCLP 1311/8270
Toluene-d8	107	81 - 117	ZHB 1311/8240
1,2-Dichloroethane-d4	103	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	89	74 - 121	ZHE 1311/8240

Report#: 9403016

0000609

Initial Calibration Data
HSL Compounds

Case No: Instrument ID: HP 5970 INST 1

Contractor: WEST PAINE Calibration Date: 08/26/94

Contract No:

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % RSD for CCC is 30%

Laboratory ID:	>P2151	>P2152	>P2153	>P2154	>P2156					
Compound	RF 20.00	RF 50.00	RF 100.00	RF 150.00	RF 200.00	$\overline{RF}$	% RSD	CCC	SPCC	
Chloromethane	1.57256	1.47968	1.34179	1.33642	1.31515	1.40912	7.961		**	
Vinyl chloride	1.47301	1.43734	1.32821	1.35319	1.30967	1.38028	5.159	*		
Chloroethane	.73529	.73227	.69707	.69280	.68110	.70771	3.467			
Bromomethane	1.36559	1.31816	1.20556	1.18108	1.12415	1.23891	8.067			
Trichlorofluoromethane	2.72059	2.74513	2.51754	2.14518	1.89259	2.40421	15.535			
[illegible]-Dichloroethene	1.51295	1.47149	1.35846	1.40769	1.35664	1.42145	4.878	*		
Acrolein	.07486	.08929	.09791	.10302	.93172	.25936	144.976			(Conc=100.0,250.0,500.0,750.0,100
Carbon disulfide	4.43779	4.45737	4.25736	4.29421	4.28714	4.34677	2.147			
Acetone	.42272	.33739	.34385	.35074	.34593	.36013	9.807			
Methylene chloride	2.21859	1.93352	1.68505	1.71903	1.60040	1.83132	13.590			
t-1.2-Dichloroethene	1.73293	1.68788	1.57415	1.57185	1.57521	1.62841	4.700			
Acrylonitrile	.24782	.28956	.28882	.30679	.28482	.28356	7.650			(Conc=100.0,250.0,500.0,750.0,100
1.1-Dichloroethane	3.82716	3.70677	3.46520	3.43662	3.42024	3.57120	5.164		**	
Vinyl acetate	2.57777	2.88150	2.93678	2.95965	2.88317	2.84778	5.432			
cis-1,2-Dichloroethylene	7.82740	7.47832	6.60294	7.00350	6.56916	7.09626	7.752			
2-Butanone	.08345	.10099	.10493	.10734	.10611	.10056	9.801			(Conc=100.0,250.0,500.0,750.0,100
Chloroform	3.83442	3.57234	3.31176	3.36710	3.26883	3.47089	6.747	*		
1,1,1-Trichloroethane	3.04648	2.94707	2.73024	2.79517	2.66173	2.83614	5.571			
Carbon tetrachloride	.60664	.52567	.49886	.60832	.55647	.55919	8.686			
1.2-DICHLOROETHANE-D4	.43391	.43377	.42009	.39187	.37960	.41185	6.039			
1,2-Dichloroethane	.49326	.49523	.47382	.46844	.45558	.47726	3.535			
[illegible]zene	1.06890	1.03141	.95133	.91854	.90967	.97597	7.247			
[illegible]chloroethene	.40525	.39856	.36608	.37054	.36866	.38182	4.860			
1.2-Dichloropropane	.48884	.47750	.45188	.45231	.44089	.46228	4.329	*		
Bromodichloromethane	.65235	.68799	.68829	.70031	.69940	.68567	2.848			
2-Choloroethyl vinyl ether	.18744	.21321	.22542	.22143	-	.21188	8.054			
c-1,3-Dichloropropene	.54818	.57750	.56744	.58101	.57337	.56950	2.273			
4-Methyl-2-pentanone	.44730	.44364	.43882	.43044	.39431	.43090	4.968			
TOLUENE-D8	.98210	.93253	.88760	.82009	.80399	.88526	8.466			
Toluene	1.15173	1.07706	.99077	.97465	.95309	1.02946	8.062	*		
t-1,3-Dichloropropene	.41605	.45825	.45736	.46937	.45941	.45209	4.583			
1.1,2-Trichloroethane	.30121	.30478	.28918	.28581	.27349	.29089	4.317			

RF - Response Factor (Subscript is amount in PPB)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

Initial Calibration Data
HSL Compounds

Case No: Instrument ID: HP 5970 INST 1

Contractor: WEST PAINE Calibration Date: 08/26/94

Contract No:

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % RSD for CCC is 30%

Laboratory ID:	>P2151	>P2152	>P2153	>P2154	>P2156				
Compound	RF 20.00	RF 50.00	RF 100.00	RF 150.00	RF 200.00	$\overline{RF}$	% RSD	CCC	SPCC
Tetrachloroethene	.75189	.66082	.60730	.62252	.60025	.64855	9.611		
Dibromochloromethane	.55502	.64375	.66318	.68454	.68375	.64605	8.295		
2-Hexanone	.32556	.36049	.38806	.38290	.35851	.36311	6.819		
1,2-Dibromoethane (EDB)	.68322	.72222	.69482	.73166	.68329	.70304	3.210		
Chlorobenzene	1.10281	1.00757	.94477	.92226	.92173	.97983	7.874		**
[redacted]yl benzene	.48261	.46287	.44306	.43429	.43525	.45162	4.603	*	
p,m-Xylene	.60848	.57522	.55647	.54844	.54483	.56669	4.614		
o-Xylene	.60349	.58406	.55297	.54598	.54642	.56658	4.572		
Styrene	.99182	.98303	.95582	.94176	.93636	.96176	2.566		
Bromoform	.33770	.42386	.46509	.47795	.47370	.43566	13.500		**
BROMOFLUOROBENZENE	1.00762	.94211	.90821	.85350	.83860	.91001	7.544		
1,1,2,2-Tetrachloroethane	.70101	.75759	.78691	.75614	.72979	.74629	4.341		**
1,3-Dichlorobenzene	.80019	.75629	.71648	.75062	.71478	.74767	4.679		
1,4-Dichlorobenzene	1.03272	.97508	.87710	.90544	.90396	.93886	6.793		
1,2-Dichlorobenzene	.80734	.76687	.70002	.74766	.69744	.74387	6.251		
1,2-Dibromo-3-chloropropane	.08721	.11948	.13033	.13994	.13513	.12242	17.229		

RF - Response Factor (Subscript is amount in PPB)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940826 09:35
Output File: ^P2151::A2 Injected at: 940826 09:05
Data File: >P2151::03 Dilution Factor: 1.000000
Name: 20 PPB
Misc: INITIAL CALIBRATION

ID File: IDINIT::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

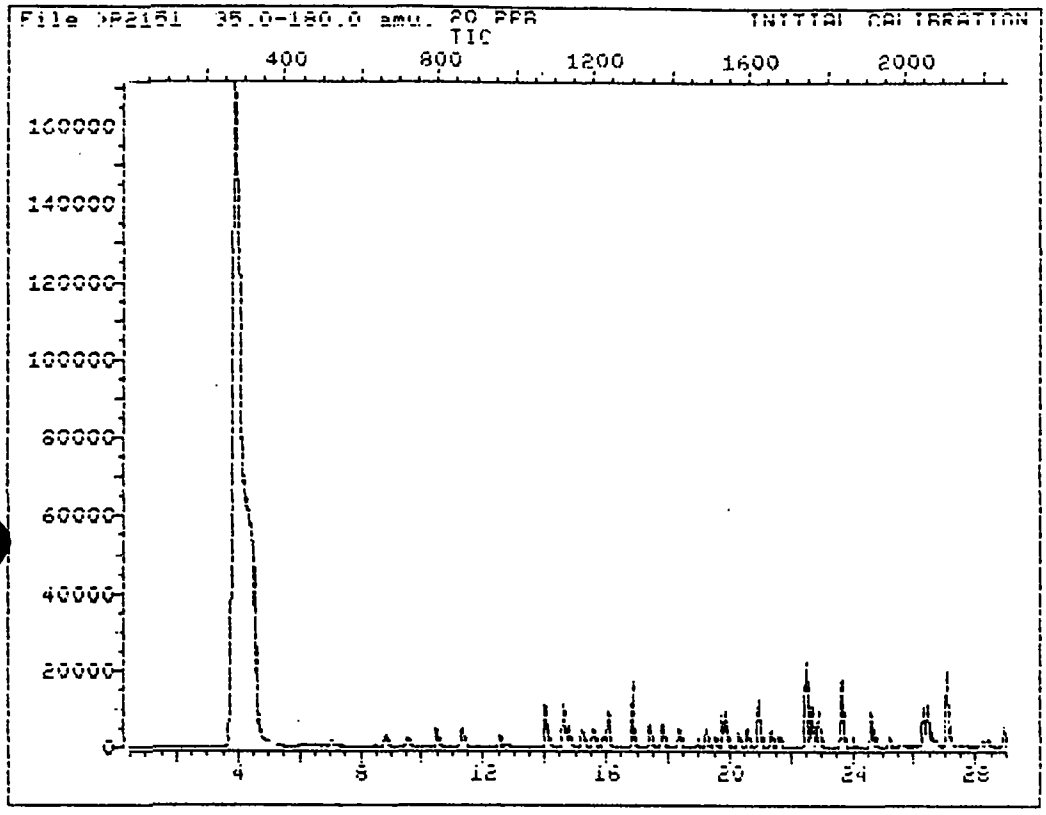
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.56	1118	8262	50.00	PPB	7
2)	Chloromethane	4.91	353	5197M	22.75	PPB	8
3)	Vinyl chloride	5.25	380	4868	22.00	PPB	9
4)	Chloroethane	6.31	464	2430	21.02	PPB	8
5)	Bromomethane	6.06	444	4513M	21.64	PPB	
6)	Trichlorofluoromethane	7.03	521	8991	22.35	PPB	9
7)	Acrolein	8.49	637	1237	54.17	PPB	9
8)	1,1-Dichloroethene	8.78	660	5000	22.13	PPB	5
9)	Carbon disulfide	9.50	717	14666	21.21	PPB	9
10)	Acetone	9.10	685	1397M	28.43	PPB	
11)	Methylene chloride	10.49	795	7332	25.53	PPB	7
12)	t-1,2-Dichloroethene	11.33	862	5727	22.37	PPB	5
13)	Acrylonitrile	11.26	856	4095M	99.57	PPB	
14)	1,1-Dichloroethane	12.51	955	12648	23.75	PPB	8
15)	Vinyl acetate	12.75	974	8519	23.30	PPB	8
16)	cis-1,2-Dichloroethylene	14.02	1075	25868	24.81	PPB	8
17)	2-Butanone	14.10	1081	1379	85.00	PPB	8
18)	Chloroform	14.79	1136	12672	23.88	PPB	9
19)	1,1,1-Trichloroethane	15.21	1169	10068	24.02	PPB	9
20)	*1,4-DIFLUOROBENZENE	16.82	1297	39599	50.00	PPB	8
21)	Carbon tetrachloride	15.59	1199	9609	25.08	PPB	9
22)	1,2-DICHLOROETHANE-D4	15.89	1223	6873	23.10	PPB	8
23)	1,2-Dichloroethane	16.05	1236	7813	21.38	PPB	9
24)	Benzene	16.03	1234	16931	23.54	PPB	10
25)	Trichloroethene	17.39	1342	6419	20.40	PPB	9
26)	1,2-Dichloropropane	17.82	1376	7743	22.75	PPB	9
27)	Bromodichloromethane	18.36	1419	10333	18.66	PPB	9
28)	2-Choloroethyl vinyl ether	18.93	1464	2969	15.49	PPB	5
29)	c-1,3-Dichloropropene	19.23	1488	8683	19.67	PPB	5
30)	4-Methyl-2-pentanone	19.50	1509	7085	23.80	PPB	9
31)	TOLUENE-D8	19.75	1529	15556	23.89	PPB	
32)	Toluene	19.88	1539	18243	23.76	PPB	
33)	t-1,3-Dichloropropene	20.26	1569	6590	18.51	PPB	
34)	1,1,2-Trichloroethane	20.60	1596	4771	20.44	PPB	
35)	*CHLOROBENZENE-D5	22.44	1742	30071	50.00	PPB	
36)	Tetrachloroethene	20.91	1621	9044	30.93	PPB	
37)	Dibromochloromethane	21.35	1656	6676	15.92	PPB	
38)	2-Hexanone	21.05	1632	3916M	19.73	PPB	
39)	1,2-Dibromoethane (EDB)	21.59	1675	8218	19.52	PPB	
40)	Chlorobenzene	22.49	1746	13265	23.02	PPB	
41)	Ethyl benzene	22.68	1761	5805	22.09	PPB	
42)	p,m-Xylene	22.88	1777	7319M	22.26	PPB	
43)	o-Xylene	23.61	1835	7259	21.90	PPB	

000612

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	Styrene	23.63	1836	11930	21.23	PPB	89
45)	Bromoform	24.02	1867	4062	13.16	PPB	93
46)	BROMOFLUOROBENZENE	24.55	1908	12120	22.51	PPB	7?
47)	1,1,2,2-Tetrachloroethane	24.72	1923	8432	20.47	PPB	9?
48)	1,3-Dichlorobenzene	26.29	2047	9625	20.69	PPB	9?
49)	1,4-Dichlorobenzene	26.43	2058	12422	21.35	PPB	98
50)	1,2-Dichlorobenzene	27.06	2108	9711	55.03	PPB	9?
51)	1,2-Dibromo-3-chloropropane	28.37	2212	1049M	21.05	PPB	

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2151::D3 Quant Output File: ^P2151::A2
Name: 20 PPB
Misc: INITIAL CALIBRATION

Id File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

Operator ID: BUBBA
Quant Time: 940826 09:35
Injected at: 940826 09:05

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2152::A2
Data File: >P2152::D3
Name: 50 PPB
Misc: INITIAL CALIBRATION

Quant Rev: 6 Quant Time: 940826 10:12
Injected at: 940826 09:42
Dilution Factor: 1.000000

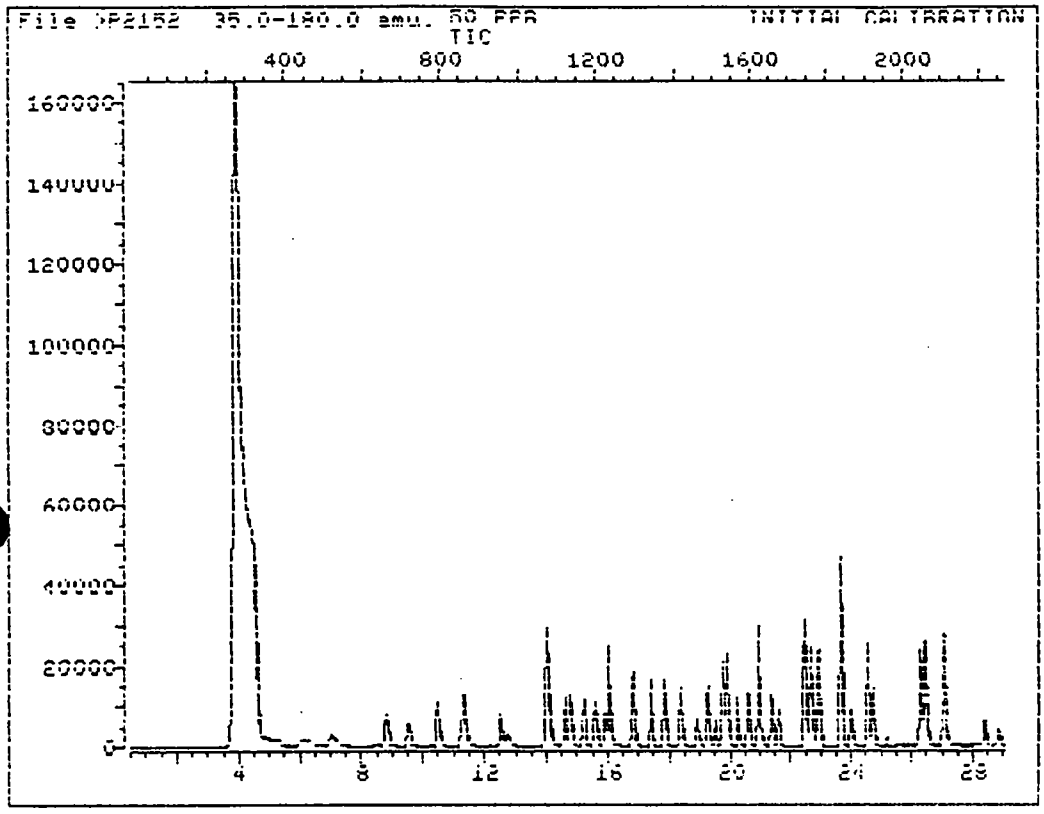
ID File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.57	1118	8785	50.00	PPB	75
2)	Chloromethane	4.96	357	12599	53.51	PPB	93
3)	Vinyl chloride	5.24	379	12627	53.68	PPB	96
4)	Chloroethane	6.32	465	6433M	52.32	PPB	96
5)	Bromomethane	6.02	441	11580M	52.22	PPB	98
6)	Trichlorofluoromethane	7.02	520	24116	56.39	PPB	93
7)	Acrolein	8.48	636	3922	161.52	PPB	98
8)	1,1-Dichloroethene	8.76	658	12927	53.82	PPB	58
9)	Carbon disulfide	9.48	715	39158	53.26	PPB	95
10)	Acetone	9.09	684	2964	56.73	PPB	95
11)	Methylene chloride	10.45	792	16986	55.61	PPB	76
12)	t-1,2-Dichloroethene	11.32	861	14828	54.48	PPB	59
13)	Acrylonitrile	11.23	854	12719	290.84	PPB	95
14)	1,1-Dichloroethane	12.50	954	32564	57.51	PPB	91
15)	Vinyl acetate	12.71	971	25314	65.10	PPB	88
16)	cis-1,2-Dichloroethylene	14.00	1073	65697	59.25	PPB	87
17)	2-Butanone	14.05	1077	4436	257.16	PPB	87
18)	Chloroform	14.27	1134	31383	55.61	PPB	98
19)	1,1,1-Trichloroethane	15.18	1167	25890	58.09	PPB	93
20)	*1,4-DIFLUOROBENZENE	16.81	1296	41617	50.00	PPB	87
21)	Carbon tetrachloride	15.58	1198	21877	54.34	PPB	94
22)	1,2-DICHLOROETHANE-D4	15.87	1221	18052	57.72	PPB	83
23)	1,2-Dichloroethane	16.02	1233	20610	53.67	PPB	94
24)	Benzene	16.00	1232	42924	56.80	PPB	100
25)	Trichloroethene	17.37	1340	16587	50.15	PPB	97
26)	1,2-Dichloropropane	17.80	1374	19872	55.56	PPB	99
27)	Bromodichloromethane	18.34	1417	28632	49.21	PPB	97
28)	2-Choloroethyl vinyl ether	18.91	1462	8873	44.05	PPB	90
29)	c-1,3-Dichloropropene	19.21	1486	24034	51.82	PPB	97
30)	4-Methyl-2-pentanone	19.49	1508	18463	59.02	PPB	87
31)	TOLUENE-D8	19.74	1528	38809	56.70	PPB	92
32)	Toluene	19.87	1538	44874	55.55	PPB	98
33)	t-1,3-Dichloropropene	20.23	1567	19071	50.98	PPB	95
34)	1,1,2-Trichloroethane	20.59	1595	12684	51.70	PPB	92
35)	*CHLOROBENZENE-D5	22.42	1740	31579	50.00	PPB	90
36)	Tetrachloroethene	20.90	1620	20868	67.96	PPB	94
37)	Dibromochloromethane	21.35	1655	20329	46.16	PPB	98
38)	2-Hexanone	21.03	1630	11384	54.62	PPB	92
39)	1,2-Dibromoethane (EDB)	21.59	1674	22807	51.57	PPB	88
40)	Chlorobenzene	22.47	1744	31818	52.58	PPB	89
41)	Ethyl benzene	22.66	1759	14617	52.97	PPB	95
42)	p,m-Xylene	22.86	1775	18165M	52.61	PPB	96
43)	o-Xylene	23.59	1833	18444	52.98	PPB	97

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	Styrene	23.61	1834	31043	52.60	PPB	91
45)	Bromoform	23.98	1864	13385	41.31	PPB	94
46)	BROMOFLUOROBENZENE	24.54	1908	29751	52.63	PPB	68
47)	1,1,2,2-Tetrachloroethane	24.70	1921	23924	55.30	PPB	98
48)	1,3-Dichlorobenzene	26.26	2044	23883	48.89	PPB	96
49)	1,4-Dichlorobenzene	26.40	2055	30792	50.40	PPB	93
50)	1,2-Dichlorobenzene	27.04	2106	24217	130.69	PPB	98
51)	1,2-Dibromo-3-chloropropane	28.35	2210	3773	72.11	PPB	81

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2152::D3 Quant Output File: ^P2152::A2
Name: 50 PPB
Misc: INITIAL CALIBRATION

Id File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

Operator ID: BUBBA
Quant Time: 940826 10:12
Injected at: 940826 09:42

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2153::A2
Data File: >P2153::D3
Name: 100PPB
Misc: INITIAL CALIBRATION

Quant Rev: 6 Quant Time: 940826 10:49
Injected at: 940826 10:19
Dilution Factor: 1.00000

ID File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

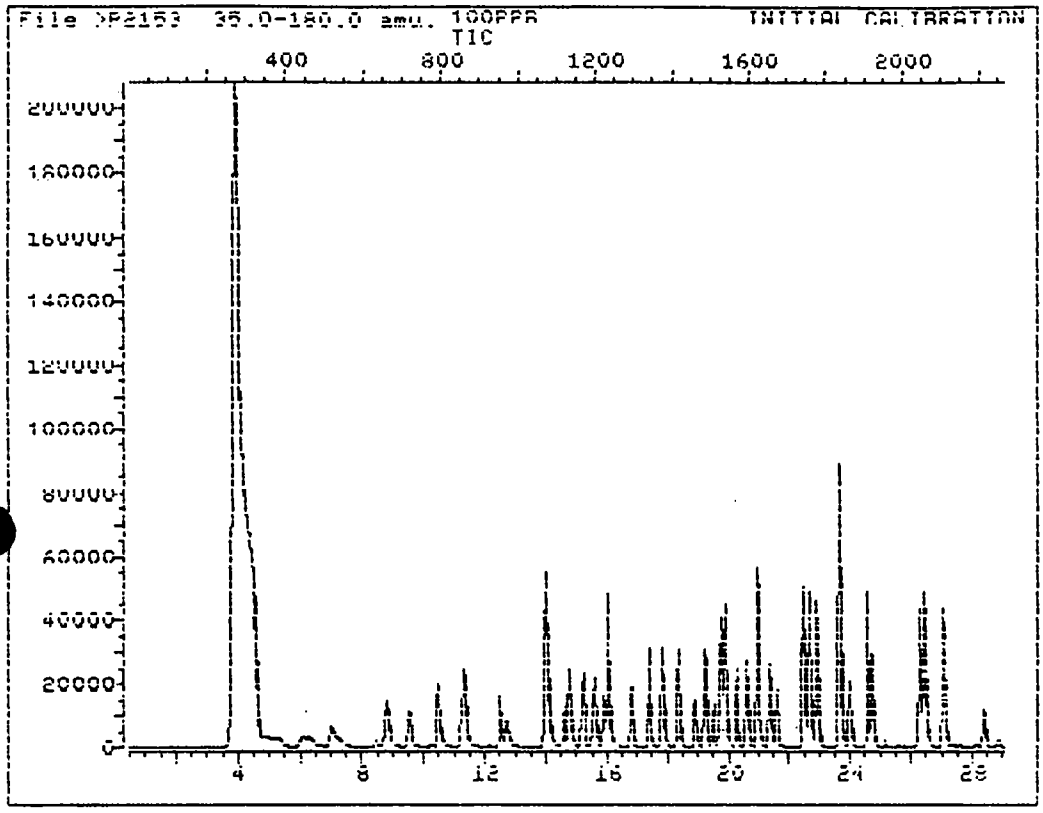
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.54	1116	9238	50.00	PPB	75
2)	Chloromethane	4.36	337	24791	97.05	PPB	98
3)	Vinyl chloride	5.24	379	24540M	99.20	PPB	94
4)	Chloroethane	6.30	463	12879	99.62	PPB	93
5)	Bromomethane	6.08	446	22274	95.52	PPB	96
6)	Trichlorofluoromethane	7.03	521	46514	103.43	PPB	94
7)	Acrolein	8.46	634	9045	354.23	PPB	96
8)	1,1-Dichloroethene	8.75	657	25099	99.37	PPB	57
9)	Carbon disulfide	9.49	716	78659	101.75	PPB	97
10)	Acetone	9.05	681	6353	115.63	PPB	91
11)	Methylene chloride	10.44	791	31133	96.93	PPB	78
12)	t-1,2-Dichloroethene	11.31	860	29084	101.62	PPB	60
13)	Acrylonitrile	11.21	852	26681	580.19	PPB	94
14)	1,1-Dichloroethane	12.48	953	64023	107.53	PPB	93
15)	Vinyl acetate	12.70	970	54260M	132.70	PPB	88
16)	cis-1,2-Dichloroethylene	13.98	1072	121996	104.63	PPB	87
17)	2-Butanone	14.04	1076	9693	534.35	PPB	85
18)	Chloroform	14.76	1133	61168	103.11	PPB	95
19)	1,1,1-Trichloroethane	15.18	1167	50444	107.63	PPB	95
20)	*1,4-DIFLUOROBENZENE	16.81	1296	43055	50.00	PPB	86
21)	Carbon tetrachloride	15.56	1197	42957	103.13	PPB	97
22)	1,2-DICHLOROETHANE-D4	15.85	1220	36174	111.80	PPB	83
23)	1,2-Dichloroethane	16.02	1233	40801	102.70	PPB	95
24)	Benzene	15.99	1231	81919	104.78	PPB	101
25)	Trichloroethene	17.36	1339	31523	92.12	PPB	96
26)	1,2-Dichloropropane	17.79	1373	38911	105.16	PPB	98
27)	Bromodichloromethane	18.34	1417	59269	98.46	PPB	99
28)	2-Choloroethyl vinyl ether	18.90	1461	19411M	93.14	PPB	92
29)	c-1,3-Dichloropropene	19.20	1485	48862	101.83	PPB	95
30)	4-Methyl-2-pentanone	19.48	1507	37787	116.77	PPB	87
31)	TOLUENE-D8	19.73	1527	76431	107.94	PPB	96
32)	Toluene	19.86	1537	85315	102.19	PPB	94
33)	t-1,3-Dichloropropene	20.22	1566	39383	101.76	PPB	94
34)	1,1,2-Trichloroethane	20.58	1594	24901	98.10	PPB	94
35)	*CHLOROBENZENE-D5	22.42	1740	31567	50.00	PPB	88
36)	Tetrachloroethene	20.91	1620	38341	124.92	PPB	99
37)	Dibromochloromethane	21.35	1655	41869	95.11	PPB	99
38)	2-Hexanone	21.02	1629	24500	117.60	PPB	91
39)	1,2-Dibromoethane (EDB)	21.58	1673	43867	99.23	PPB	94
40)	Chlorobenzene	22.47	1744	59647	98.61	PPB	92
41)	Ethyl benzene	22.65	1758	27972	101.41	PPB	95
42)	p,m-Xylene	22.85	1774	35132M	101.73	PPB	95
43)	o-Xylene	23.58	1832	34911	100.32	PPB	97

0000618

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	Styrene	23.61	1834	60345	102.29	PPB	91
45)	Bromoform	23.98	1863	29363	90.65	PPB	98
46)	BROMOFLUOROBENZENE	24.53	1907	57339	101.47	PPB	65
47)	1,1,2,2-Tetrachloroethane	24.69	1920	49681	114.87	PPB	97
48)	1,3-Dichlorobenzene	26.26	2044	45234	92.63	PPB	98
49)	1,4-Dichlorobenzene	26.39	2054	55375	90.66	PPB	98
50)	1,2-Dichlorobenzene	27.03	2105	44195	238.59	PPB	98
51)	1,2-Dibromo-3-chloropropane	28.36	2210	8228	157.31	PPB	75

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2153::D3 Quant Output File: ^P2153::A2
Name: 100PPB
Misc: INITIAL CALIBRATION

Id File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

Operator ID: BUBBA
Quant Time: 940826 10:49
Injected at: 940826 10:19

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2154::A2
Data File: >P2154::D3
Name: 150PPB
Misc: INITIAL CALIBRATION

Quant Rev: 6 Quant Time: 940826 11:27
Injected at: 940826 10:57
Dilution Factor: 1.00000

ID File: 1D1N01::A3
Title: VOA 1DFILE
Last Calibration: 940822 10:41

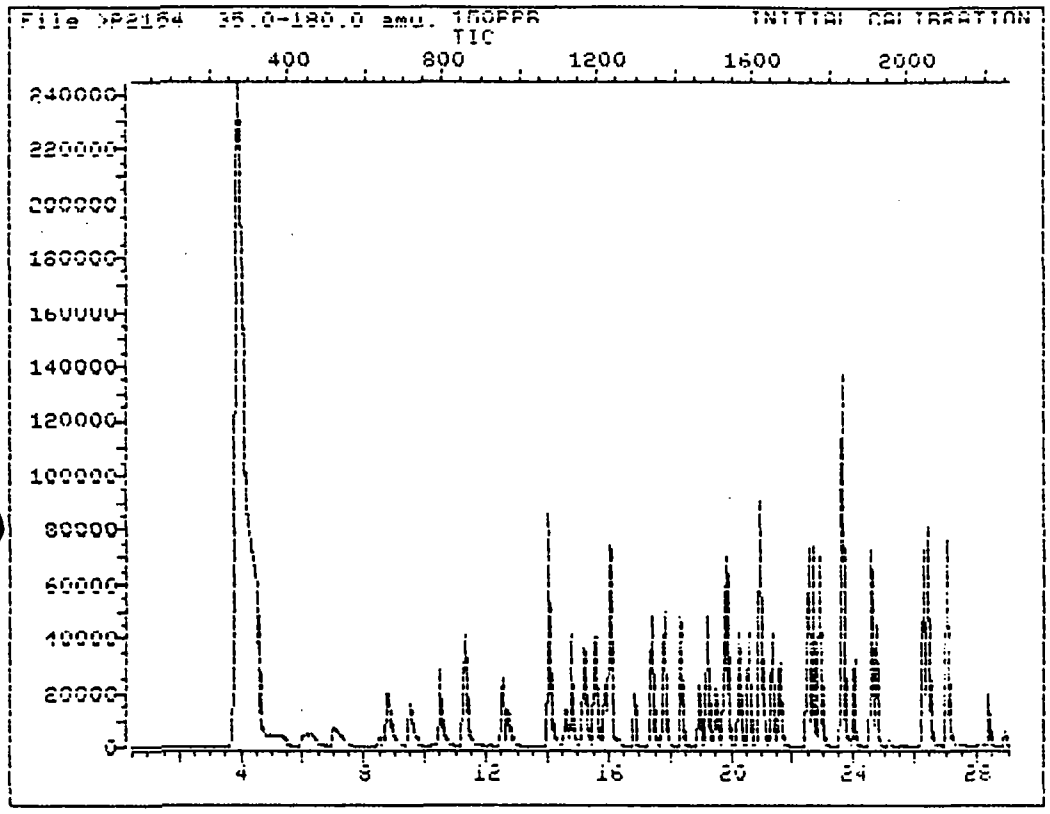
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.54	1115	9517	50.00	PPB	75
2)	Chloromethane	4.33	354	381356M	144.99	PPB	97
3)	Vinyl chloride	5.25	379	38635	151.60	PPB	94
4)	Chloroethane	6.27	460	19780	148.51	PPB	94
5)	Bromomethane	6.07	444	33721M	140.38	PPB	95
6)	Trichlorofluoromethane	6.99	517	61247M	132.19	PPB	97
7)	Acrolein	8.49	636	14707	559.08	PPB	98
8)	1,1-Dichloroethene	8.76	657	40191	154.46	PPB	55
9)	Carbon disulfide	9.48	714	122604	153.95	PPB	97
10)	Acetone	9.11	685	10014	176.92	PPB	91
11)	Methylene chloride	10.45	791	49080	148.33	PPB	76
12)	t-1,2-Dichloroethene	11.31	859	44878	152.20	PPB	56
13)	Acrylonitrile	11.24	854	43796	924.44	PPB	95
14)	1,1-Dichloroethane	12.48	952	98119	159.97	PPB	92
15)	Vinyl acetate	12.70	969	84501M	200.60	PPB	87
16)	cis-1,2-Dichloroethylene	13.98	1071	199957	166.46	PPB	86
17)	2-Butanone	14.06	1077	15323	819.96	PPB	85
18)	Chloroform	14.75	1132	96134	157.25	PPB	93
19)	1,1,1-Trichloroethane	15.17	1165	79805	165.28	PPB	98
20)	*1,4-DIFLUOROBENZENE	16.80	1294	44719	50.00	PPB	89
21)	Carbon tetrachloride	15.55	1195	81611	188.64	PPB	98
22)	1,2-DICHLOROETHANE-D4	15.85	1219	52572	156.44	PPB	87
23)	1,2-Dichloroethane	16.01	1231	62844	152.30	PPB	96
24)	Benzene	15.98	1229	123229	151.75	PPB	100
25)	Trichloroethene	17.34	1337	49710	139.87	PPB	96
26)	1,2-Dichloropropane	17.79	1372	60680	157.89	PPB	96
27)	Bromodichloromethane	18.33	1415	93951	150.27	PPB	95
28)	2-Choloroethyl vinyl ether	18.90	1460	29707M	137.24	PPB	96
29)	c-1,3-Dichloropropene	19.19	1483	77946	156.40	PPB	95
30)	4-Methyl-2-pentanone	19.47	1505	57747	171.80	PPB	87
31)	TOLUENE-D8	19.72	1525	110021	149.60	PPB	98
32)	Toluene	19.85	1535	130756	150.80	PPB	96
33)	t-1,3-Dichloropropene	20.22	1565	62969	156.64	PPB	93
34)	1,1,2-Trichloroethane	20.57	1592	38344	145.44	PPB	94
35)	*CHLOROBENZENE-D5	22.41	1738	33060	50.00	PPB	86
36)	Tetrachloroethene	20.89	1618	61742	192.08	PPB	95
37)	Dibromochloromethane	21.34	1653	67893	147.27	PPB	99
38)	2-Hexanone	21.01	1627	37976	174.66	PPB	92
39)	1,2-Dibromoethane (EDB)	21.56	1671	72566	156.74	PPB	93
40)	Chlorobenzene	22.46	1742	91470	144.38	PPB	94
41)	Ethyl benzene	22.64	1756	43073	149.10	PPB	97
42)	p,m-Xylene	22.85	1773	94394M	150.48	PPB	99
43)	o-Xylene	23.59	1831	54150	148.57	PPB	98

T290000

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	Styrene	23.60	1832	93404	151.18	PPB	92
45)	Bromoform	23.96	1861	47403	139.74	PPB	91
46)	BROMOFLUOROBENZENE	24.52	1905	84650	143.03	PPB	68
47)	1,1,2,2-Tetrachloroethane	24.70	1919	74994	165.57	PPB	97
48)	1,3-Dichlorobenzene	26.25	2042	74446	145.57	PPB	97
49)	1,4-Dichlorobenzene	26.39	2053	89802	140.39	PPB	95
50)	1,2-Dichlorobenzene	27.02	2103	74153	382.24	PPB	96
51)	1,2-Dibromo-3-chloropropane	28.34	2207	13879	253.37	PPB	87

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2154::D3 Quant Output File: ^P2154::A2
Name: 150PPB
Misc: INITIAL CALIBRATION

Id File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

Operator ID: BUBBA
Quant Time: 940826 11:27
Injected at: 940826 10:57

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2156::A2
Data File: >P2156::D3
Name: 200PPB
Misc: INITIAL CALIBRATION

Quant Rev: 6 Quant Time: 940826 13:28
Injected at: 940826 12:58
Dilution Factor: 1.00000

ID File: IDINM1::A3
Title: VOA IDFILE
Last Calibration: 940822 10:41

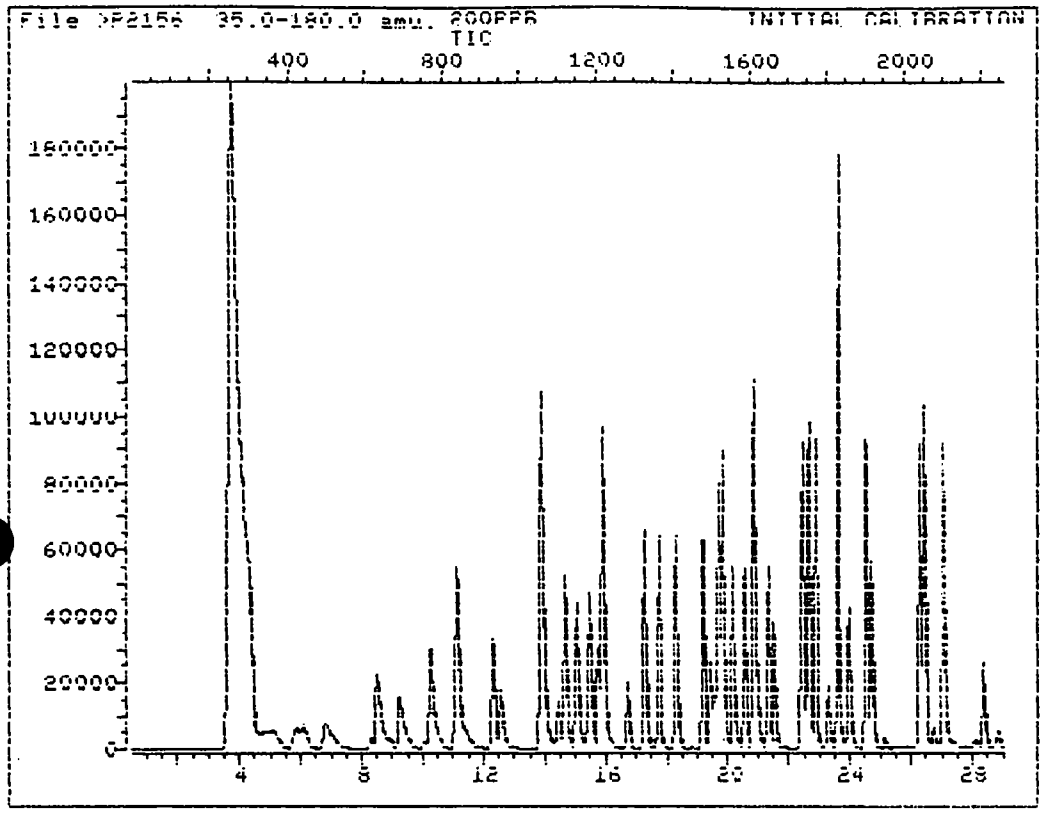
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.39	1101	9666	50.00	PPB	70
2)	Chloromethane	4.78	340	50849	190.24	PPB	95
3)	Vinyl chloride	5.07	363	50637	195.64	PPB	94
4)	Chloroethane	6.07	442	26334	194.67	PPB	98
5)	Bromomethane	5.86	425	43464	178.15	PPB	91
6)	Trichlorofluoromethane	6.78	488	731750	155.50	PPB	97
7)	Acrolein	8.26	615	18012	674.17	PPB	99
8)	1,1-Dichloroethene	8.48	633	52453	198.47	PPB	56
9)	Carbon disulfide	9.20	690	165758	204.92	PPB	98
10)	Acetone	8.89	665	13375	232.66	PPB	90
11)	Methylene chloride	10.21	770	61878	184.13	PPB	77
12)	t-1,2-Dichloroethene	11.08	839	60904	203.37	PPB	62
13)	Acrylonitrile	11.05	836	55062	1144.33	PPB	95
14)	1,1-Dichloroethane	12.30	935	132240	212.27	PPB	92
15)	Vinyl acetate	12.54	954	1114750	260.56	PPB	88
16)	cis-1,2-Dichloroethylene	13.84	1057	253990	208.19	PPB	88
17)	2-Butanone	13.91	1063	20513	1080.76	PPB	88
18)	Chloroform	14.62	1119	126386	203.55	PPB	94
19)	1,1,1-Trichloroethane	15.04	1152	102913	209.86	PPB	97
20)	*1,4-DIFLUOROBENZENE	16.69	1283	45026	50.00	PPB	90
21)	Carbon tetrachloride	15.44	1184	100222	230.08	PPB	98
22)	1,2-DICHLOROETHANE-D4	15.73	1207	68367	202.85	PPB	81
23)	1,2-Dichloroethane	15.90	1220	82051	197.49	PPB	96
24)	Benzene	15.88	1219	163836	200.37	PPB	100
25)	Trichloroethene	17.25	1327	66398	185.55	PPB	96
26)	1,2-Dichloropropane	17.69	1362	79486	205.20	PPB	99
27)	Bromodichloromethane	18.25	1406	125964	200.10	PPB	99
29)	c-1,3-Dichloropropene	19.12	1475	103266	205.79	PPB	93
30)	4-Methyl-2-pentanone	19.41	1498	71016	209.84	PPB	88
31)	TOLUENE-D8	19.65	1517	144802	195.55	PPB	94
32)	Toluene	19.79	1528	171655	196.62	PPB	92
33)	t-1,3-Dichloropropene	20.17	1558	82742	204.43	PPB	93
34)	1,1,2-Trichloroethane	20.52	1586	49256	185.56	PPB	97
35)	*CHLOROBENZENE-D5	22.36	1732	32699	50.00	PPB	90
36)	Tetrachloroethene	20.84	1611	78510	246.94	PPB	98
37)	Dibromochloromethane	21.28	1646	89432	196.13	PPB	97
38)	2-Hexanone	20.98	1622	46892	217.29	PPB	92
39)	1,2-Dibromoethane (EDB)	21.52	1665	89371	195.17	PPB	93
40)	Chlorobenzene	22.43	1737	120559	192.40	PPB	92
41)	Ethyl benzene	22.61	1751	56929	199.24	PPB	95
42)	p,m-Xylene	22.82	1768	71261M	199.32	PPB	99
43)	o-Xylene	23.55	1826	71469	198.76	PPB	96
44)	Styrene	23.57	1827	122472	200.42	PPB	95

0000624

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	Bromoform	23.93	1856	61958	184.66	PPB	93
46)	BROMOFLUOROBENZENE	24.49	1900	109685	187.38	PPB	74
47)	1,1,2,2-Tetrachloroethane	24.68	1915	95453	213.06	PPB	99
48)	1,3-Dichlorobenzene	26.23	2038	93491	184.83	PPB	98
49)	1,4-Dichlorobenzene	26.37	2049	118234	186.88	PPB	98
50)	1,2-Dichlorobenzene	27.00	2099	91223	475.42	PPB	97
51)	1,2-Dibromo-3-chloropropane	28.32	2203	17675	326.24	PPB	82

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2156::D3 Quant Output File: ^P2156::R2
Name: 200PPB
Misc: INITIAL CALIBRATION

Id File: IDINW1::R3
Title: VOA IDFILE
Last Calibration: 940822 10:41

Operator ID: BUBBA
Quant Time: 940826 13:28
Injected at: 940826 12:58

Initial Calibration Data
HSL Compounds

Case No: Instrument ID: 5995-C

Contractor: N/A Calibration Date: 08/28/94

Contract No: N/A

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % RSD for CCC is 30%

Laboratory ID:	>G6395	>G6396	>G6397	>G6398	>G6399					
Compound	RF 20.00	RF 50.00	RF 100.00	RF 150.00	RF 200.00	$\overline{RF}$	% RSD	CCC	SPCC	
Chloromethane	.95549	1.11828	1.09861	1.08355	.98025	1.04723	7.067		** ✓	
Vinyl chloride	.67151	.79625	.74348	.71752	.64055	.71386	8.535	* ✓		
Chloroethane	.40703	.44727	.42884	.35034	.29046	.38479	16.653			
Bromomethane	.56348	.65883	.56631	.49038	.38608	.53302	19.057			
[redacted]chlorofluoromethane	-	-	-	-	-	-	-			
[redacted]olein	-	-	-	-	-	-	-		✓	(Conc=100.0,250.0,500.0,750.0,100
1,1-Dichloroethene	.57760	.61042	.58854	.57930	.47059	.56529	9.646	* ✓		
Carbon disulfide	2.40228	2.52727	2.59515	2.55522	2.14123	2.44423	7.532			
Acetone	.15398	.17923	.17126	.15894	.14099	.16088	9.278			
Methylene chloride	.79344	.92279	.88216	.88511	.74753	.84621	8.602			
t-1,2-Dichloroethene	.95571	.82291	1.26890	1.20619	.70226	.99119	24.522			
1,1-Dichloroethane	3.06930	3.28821	3.29912	3.18879	2.63051	3.09519	8.910		** ✓	
Acrylonitrile	-	-	-	-	-	-	-			(Conc=100.0,250.0,500.0,750.0,100
Vinyl acetate	2.45293	2.92177	2.82976	2.59494	2.32072	2.62402	9.586			
cis-1,2-Dichloroethene	2.66003	2.91824	2.92597	2.85949	2.41922	2.75659	7.876			
2-Butanone	.09481	.09245	.08803	.08547	.07526	.08720	8.726			(Conc=20.0,50.0,100.0,150.0,200.0
Chloroform	3.10561	3.37871	3.37703	3.29731	2.81175	3.19408	7.543	* ✓		
1,1,1-Trichloroethane	2.20481	2.32379	2.43212	2.36845	2.01669	2.26917	7.217			
Carbon tetrachloride	.35372	.36389	.37249	.34414	.29640	.34613	8.601			
1,2-DICHLOROETHANE-D4	.43136	.34677	.32748	.30738	.26059	.33472	18.764			
1,2-Dichloroethane	.34787	.38769	.35910	.32075	.27965	.33821	12.541			
[redacted]ene	.86092	.90789	.85370	.76791	.62812	.80371	13.734			
Trichloroethene	.32691	.34584	.32703	.30207	.25793	.31196	10.889			
1,2-Dichloropropane	.36581	.40055	.39238	.36164	.30726	.36553	10.012	* ✓		
Bromodichloromethane	.47710	.53329	.51326	.48138	.41804	.48461	9.047			
2-Chloroethyl vinyl ether	.36581	.40055	.39238	.36164	.30726	.36553	10.012			
c-1,3-Dichloropropene	.47073	.51106	.51393	.46997	.41099	.47533	8.773			
4-Methyl-2-pentanone	.28121	.28791	.28409	.25925	.24547	.27158	6.763			
TOLUENE-D8	1.39239	1.04767	.91094	.83104	.65662	.96793	28.554			
Toluene	.96617	1.00793	.94086	.84023	.69550	.89014	14.054	* ✓		
t-1,3-Dichloropropene	.37802	.41967	.42331	.38902	.34663	.39133	8.087			
1,1,2-Trichloroethane	.21164	.24402	.23256	.20660	.18803	.21657	10.190			

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000627

Initial Calibration Data
HSL Compounds

Case No: Instrument ID: 5995-C

Contractor: N/A Calibration Date: 08/28/94

Contract No: N/A

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % RSD for CCC is 30%

Laboratory ID:	>G6395	>G6396	>G6397	>G6398	>G6399				
Compound	RF 20.00	RF 50.00	RF 100.00	RF 150.00	RF 200.00	$\overline{RF}$	% RSD	CCC	SPCC
Tetrachloroethene	.34855	.34946	.36180	.33601	.31073	.34131	5.677		
Dibromochloromethane	.40997	.46285	.50958	.47280	.45207	.46145	7.803		
2-Hexanone	.19525	.22441	.22973	.21157	.21150	.21449	6.247		
1,2-Dibromoethane (EDB)	-	-	-	-	-	-	-		
Chlorobenzene	.91145	.88808	.91436	.82128	.74040	.85512	8.687		** ✓
Ethyl benzene	.39648	.40173	.42719	.39338	.34656	.39307	7.432	* ✓	
p,m-Xylene	.90521	.89476	.85604	.75233	.64851	.81137	13.468		
o-Xylene	.50470	.49777	.47967	.39827	.34346	.44477	15.916		
Styrene	.85624	.84763	.81488	.69509	.58032	.75883	15.654		
Bromoform	.26532	.31219	.34114	.31190	.31007	.30812	8.824		** ✓
4-BROMOFLUOROBENZENE	.90389	.67239	.64261	.59234	.52420	.66709	21.556		
1,1,2,2-Tetrachloroethane	.30786	.35665	.38216	.35194	.34890	.34950	7.648		** ✓
1,3-Dichlorobenzene	-	-	-	-	-	-	-		
1,4-Dichlorobenzene	-	-	-	-	-	-	-		
1,2-Dichlorobenzene	-	-	-	-	-	-	-		
1,2-Dibromo-3-chloropropane	-	-	-	-	-	-	-		

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000628

QUANT REPORT

Operator ID: JULES
Output File: ^G6395::A2
Data File: >G6395::A4
Name: 0827OSTD20
Misc: INITIAL CAL/HJP

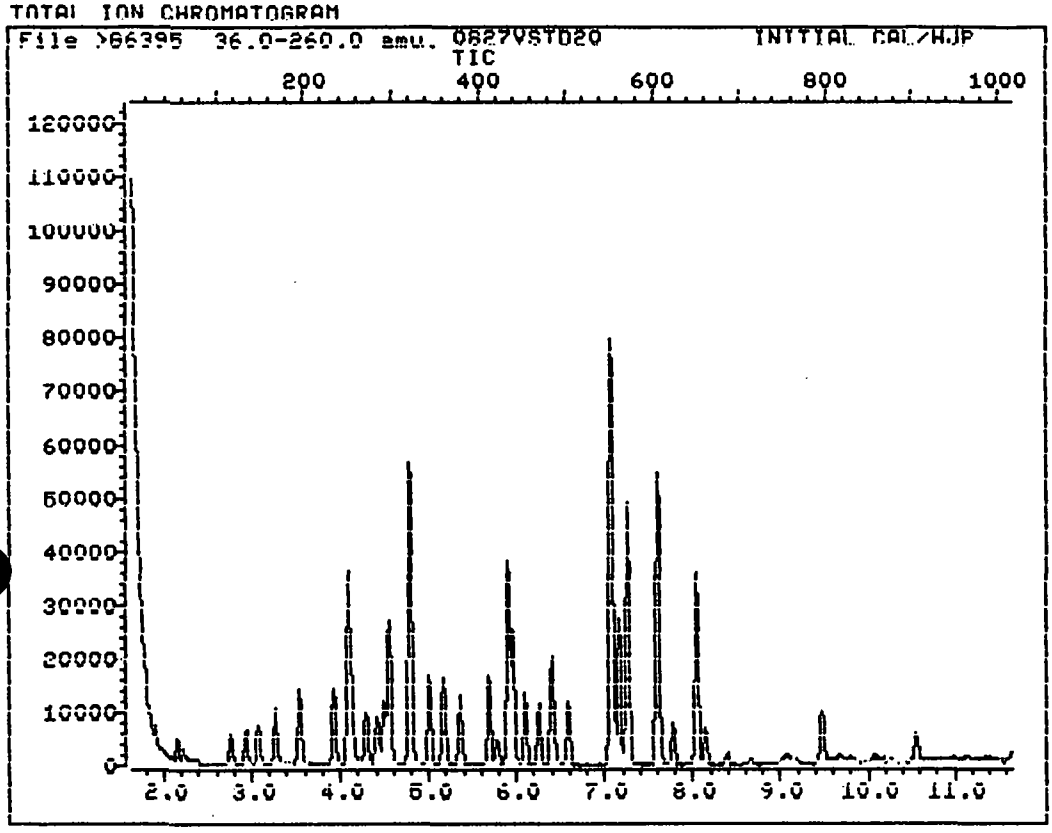
Quant Rev: 6 Quant Time: 940828 00:04
Injected at: 940827 23:51
Dilution Factor: 1.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.10	251	11154	50.00	ug/L	75
2)	Chloromethane	1.83	22	4263	13.56	ug/L	94
3)	Vinyl chloride	1.90	29	2996	11.95	ug/L	92
4)	Chloroethane	2.22	61	1816	25.24	ug/L	96
5)	Bromomethane	2.15	54	2514	22.92	ug/L	91
8)	1,1-Dichloroethene	2.75	115	2527	15.41	ug/L	58
9)	Carbon disulfide	2.94	134	10718	18.46	ug/L	99
10)	Acetone	2.77	117	687	12.42	ug/L	96
11)	Methylene chloride	3.07	147	3540	21.00	ug/L	93
12)	t-1,2-Dichloroethene	3.27	167	4264	12.97	ug/L	63
14)	1,1-Dichloroethane	3.54	195	13694	18.33	ug/L	97
15)	Vinyl acetate	3.54	195	10944	17.43	ug/L	89
16)	cis-1,2-Dichloroethene	3.93	234	11868	10.26	ug/L	91
17)	2-Butanone	3.92	233	423	21.01	ug/L	92
18)	Chloroform	4.14	255	13856	18.20	ug/L	93
19)	1,1,1-Trichloroethane	4.29	271	9837	14.85	ug/L	99
20)	*1,4-DIFLUOROBENZENE	4.79	321	62854	50.00	ug/L	94
21)	Carbon tetrachloride	4.41	283	8893	14.49	ug/L	96
22)	1,2-DICHLOROETHANE-D4	4.49	291	10845	25.88	ug/L	89
23)	1,2-Dichloroethane	4.55	297	8746	18.19	ug/L	92
24)	Benzene	4.55	297	21645	17.58	ug/L	100
25)	Trichloroethene	5.01	343	8219	17.88	ug/L	89
26)	1,2-Dichloropropane	5.17	360	9197	19.55	ug/L	99
27)	Bromodichloromethane	5.36	379	11995	16.71	ug/L	99
28)	2-Chloroethyl vinyl ether	5.17	360	9197	43.50	ug/L	95
29)	c-1,3-Dichloropropene	5.69	412	11835	17.30	ug/L	93
30)	4-Methyl-2-pentanone	5.79	422	7070	18.97	ug/L	83
31)	TOLUENE-D8	5.90	434	35007	28.46	ug/L	92
32)	Toluene	5.95	439	24291	17.35	ug/L	97
33)	t-1,3-Dichloropropene	6.10	454	9504	16.82	ug/L	95
34)	1,1,2-Trichloroethane	6.25	469	5321	18.03	ug/L	95
35)	*CHLOROBENZENE-D5	7.07	552	55236	50.00	ug/L	98
36)	Tetrachloroethene	6.40	484	7701	16.32	ug/L	96
37)	Dibromochloromethane	6.59	503	9058	16.83	ug/L	97
38)	2-Hexanone	6.43	487	4314	16.17	ug/L	83
40)	Chlorobenzene	7.09	554	20138	19.92	ug/L	93
41)	Ethyl benzene	7.17	562	8760	16.48	ug/L	98
42)	p,m-Xylene	7.26	571	20000M	31.11	ug/L	97
43)	o-Xylene	7.59	605	11151	19.80	ug/L	84
44)	Styrene	7.60	606	18918	20.12	ug/L	97
45)	Bromoform	7.77	623	5862	14.61	ug/L	97
46)	4-BROMOFLUOROBENZENE	8.05	651	19971	24.75	ug/L	94
47)	1,1,2,2-Tetrachloroethane	8.15	661	6802	14.19	ug/L	98

G290029

TOTAL ION CHROMATOGRAM



Data File: >G6395::A4 Quant Output File: ^G6395::A2
Name: 0827VSTD20
Misc: INITIAL CAL/HJP

Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

Operator ID: JULES
Quant Time: 940828 00:04
Injected at: 940827 23:51

QUANT REPORT

Operator ID: JULES
Output File: ^G6396::A2
Data File: >G6396::A4
Name: 0827VSTD50
Misc: INITIAL CAL/HJP

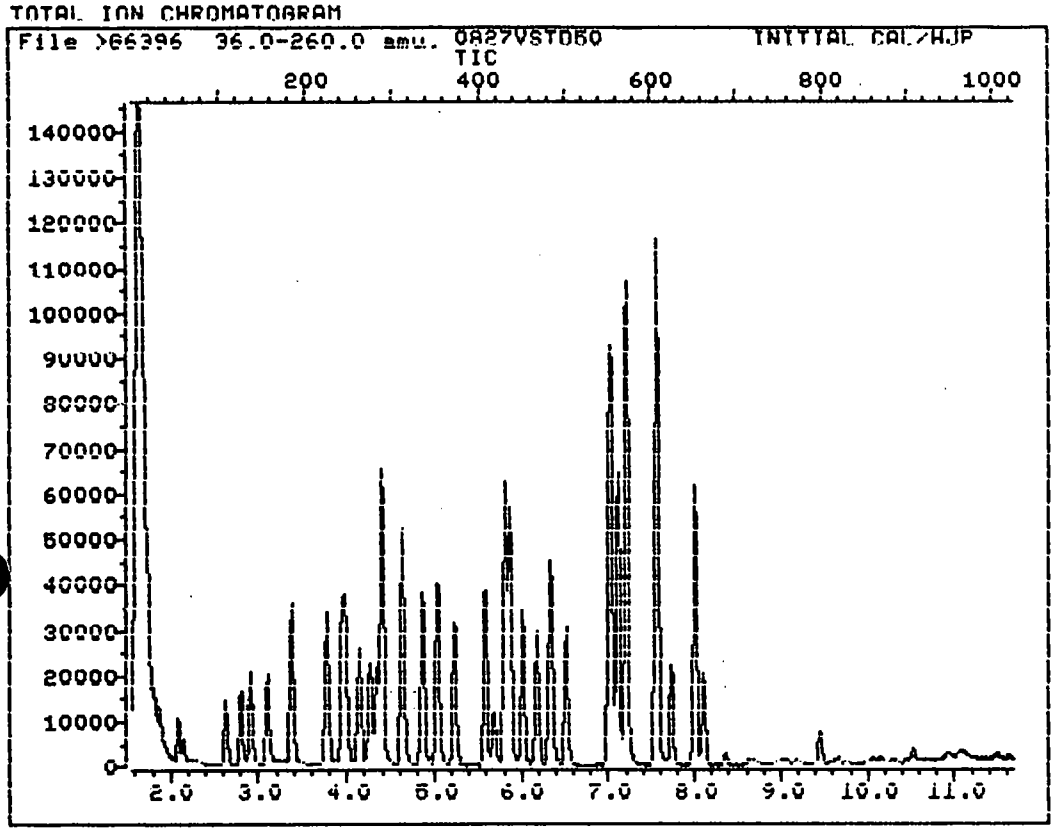
Quant Rev: 6 Quant Time: 940828 00:19
Injected at: 940828 00:07
Dilution Factor: 1.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	3.94	242	10763	50.00	ug/L	75
2)	Chloromethane	1.82	27	12036	39.67	ug/L	95
3)	Vinyl chloride	1.88	33	8570	35.44	ug/L	95
4)	Chloroethane	2.15	60	4814	206.70	ug/L	91
5)	Bromomethane	2.09	54	7091	227.76	ug/L	91
8)	1,1-Dichloroethene	2.62	108	6570	40.71	ug/L	58
9)	Carbon disulfide	2.81	127	27201	48.56	ug/L	96
10)	Acetone	2.63	109	1929	36.15	ug/L	99
11)	Methylene chloride	2.92	138	9932	61.07	ug/L	84
12)	t-1,2-Dichloroethene	3.10	157	8857	27.91	ug/L	59
14)	1,1-Dichloroethane	3.37	184	35391	49.09	ug/L	91
15)	Vinyl acetate	3.37	184	31447	51.91	ug/L	89
16)	cis-1,2-Dichloroethene	3.77	225	31409	28.14	ug/L	94
17)	2-Butanone	3.76	224	995	51.21	ug/L	93
18)	Chloroform	3.98	246	36365	49.50	ug/L	94
19)	1,1,1-Trichloroethane	4.14	262	25011	39.14	ug/L	93
20)	*1,4-DIFLUOROBENZENE	4.64	312	60502	50.00	ug/L	91
21)	Carbon tetrachloride	4.26	274	22016	37.26	ug/L	90
22)	1,2-DICHLOROETHANE-D4	4.34	282	20980	52.02	ug/L	87
23)	1,2-Dichloroethane	4.40	288	23456	50.68	ug/L	96
24)	Benzene	4.40	288	54929	46.34	ug/L	100
25)	Trichloroethene	4.86	335	20924	47.28	ug/L	93
26)	1,2-Dichloropropane	5.03	352	24234	53.51	ug/L	97
27)	Bromodichloromethane	5.23	372	32265	46.69	ug/L	99
28)	2-Chloroethyl vinyl ether	5.03	352	24234	119.07	ug/L	98
29)	c-1,3-Dichloropropene	5.58	408	30920	46.95	ug/L	93
30)	4-Methyl-2-pentanone	5.68	418	17419	48.57	ug/L	88
31)	TOLUENE-D8	5.81	431	63386	53.54	ug/L	97
32)	Toluene	5.87	437	60982	45.26	ug/L	97
33)	t-1,3-Dichloropropene	6.02	452	25391M	46.69	ug/L	93
34)	1,1,2-Trichloroethane	6.18	468	14764	51.98	ug/L	95
35)	*CHLOROBENZENE-D5	7.00	551	51958	50.00	ug/L	92
36)	Tetrachloroethene	6.33	483	18157	40.91	ug/L	97
37)	Dibromochloromethane	6.51	502	24049	47.51	ug/L	91
38)	2-Hexanone	6.36	486	11660	46.48	ug/L	86
40)	Chlorobenzene	7.03	554	46143	48.53	ug/L	94
41)	Ethyl benzene	7.11	562	20873	41.75	ug/L	97
42)	p,m-Xylene	7.21	572	46490M	76.87	ug/L	98
43)	o-Xylene	7.54	606	25863	48.82	ug/L	86
44)	Styrene	7.56	608	44041	49.80	ug/L	96
45)	Bromoform	7.73	625	16221	42.98	ug/L	98
46)	4-BROMOFLUOROBENZENE	8.01	653	34936	46.02	ug/L	94
47)	1,1,2,2-Tetrachloroethane	8.11	663	18531	41.10	ug/L	98

0000631

TOTAL ION CHROMATOGRAM



Data File: >G6396::A4 Quant Output File: ^G6396::A2
Name: 0827VSTD50
Misc: INITIAL CAL/HJP

Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

Operator ID: JULES
Quant Time: 940828 00:19
Injected at: 940828 00:07

QUANT REPORT

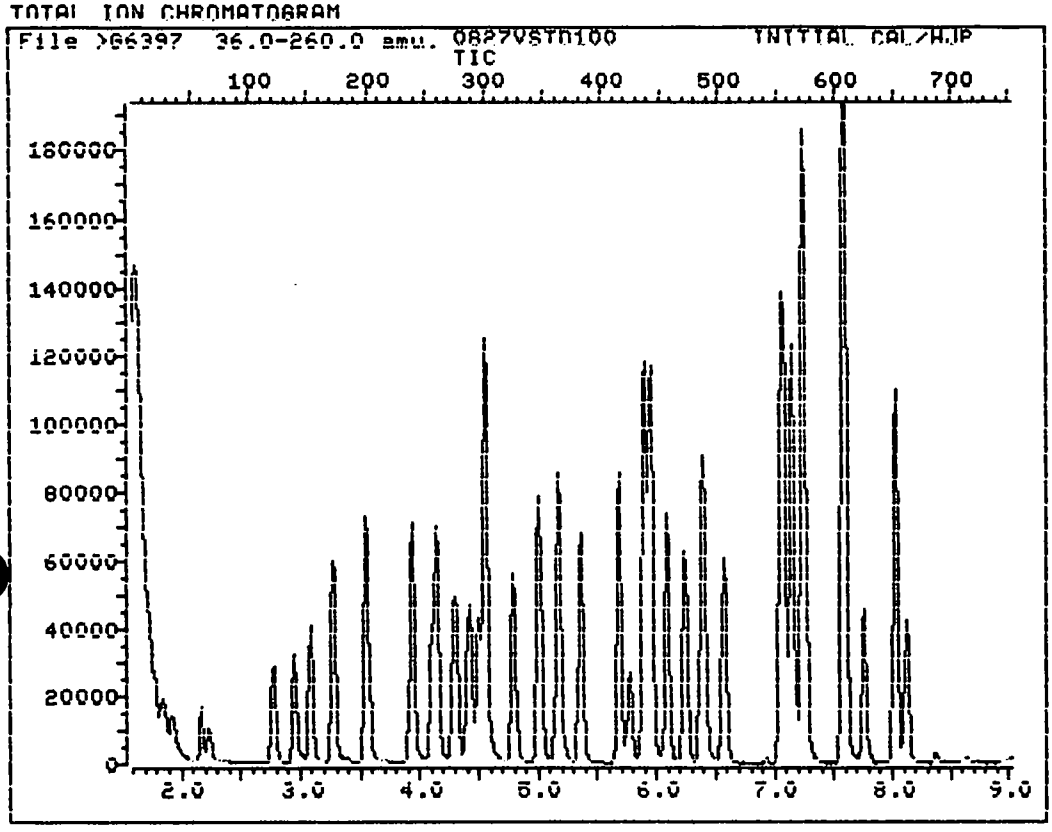
Operator ID: JULES Quant Rev: 6 Quant Time: 940828 00:34
Output File: ^G6397::A2 Injected at: 940828 00:25
Data File: >G6397::A4 Dilution Factor: 1.00000
Name: 0827VSTD100
Misc: INITIAL CAL/HJP

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.10	255	10820	50.00	ug/L	74
2)	Chloromethane	1.85	27	23774	77.95	ug/L	97
3)	Vinyl chloride	1.92	34	16089	66.18	ug/L	94
4)	Chloroethane	2.23	66	9280	396.36	ug/L	94
5)	Bromomethane	2.16	59	12255	391.55	ug/L	94
8)	1,1-Dichloroethene	2.77	120	12736	78.50	ug/L	56
9)	Carbon disulfide	2.95	138	56159	99.73	ug/L	96
10)	Acetone	2.79	122	3706	69.09	ug/L	97
11)	Methylene chloride	3.08	152	19090	116.76	ug/L	81
12)	t-1,2-Dichloroethene	3.27	171	27459	86.08	ug/L	66
14)	1,1-Dichloroethane	3.55	199	71393	98.50	ug/L	92
15)	Vinyl acetate	3.55	199	61236	100.55	ug/L	89
16)	cis-1,2-Dichloroethene	3.93	238	63318	56.43	ug/L	93
17)	2-Butanone	3.92	237	1905	97.52	ug/L	92
18)	Chloroform	4.14	259	73079	98.95	ug/L	99
19)	1,1,1-Trichloroethane	4.30	275	52631	81.92	ug/L	97
20)	*1,4-DIFLUOROBENZENE	4.78	324	62428	50.00	ug/L	98
21)	Carbon tetrachloride	4.42	287	46508	76.27	ug/L	99
22)	1,2-DICHLOROETHANE-D4	4.50	295	40888	98.25	ug/L	89
23)	1,2-Dichloroethane	4.56	301	44836	93.88	ug/L	95
24)	Benzene	4.56	301	106589	87.15	ug/L	100
25)	Trichloroethene	5.00	346	40832	89.41	ug/L	92
26)	1,2-Dichloropropane	5.17	363	48991	104.85	ug/L	98
27)	Bromodichloromethane	5.36	382	64083	89.87	ug/L	99
28)	2-Chloroethyl vinyl ether	5.17	363	48991	233.29	ug/L	97
29)	c-1,3-Dichloropropene	5.68	415	64167	94.43	ug/L	90
30)	4-Methyl-2-pentanone	5.77	424	35470	95.85	ug/L	92
31)	TOLUENE-D8	5.90	437	113736	93.10	ug/L	94
32)	Toluene	5.95	442	117472	84.49	ug/L	87
33)	t-1,3-Dichloropropene	6.09	456	52853	94.18	ug/L	93
34)	1,1,2-Trichloroethane	6.24	471	29037	99.09	ug/L	96
35)	*CHLOROBENZENE-D5	7.05	553	48592	50.00	ug/L	95
36)	Tetrachloroethene	6.39	486	35161	84.70	ug/L	93
37)	Dibromochloromethane	6.58	505	49523	104.61	ug/L	98
38)	2-Hexanone	6.42	489	22326	95.15	ug/L	93
40)	Chlorobenzene	7.08	556	88861	99.93	ug/L	93
41)	Ethyl benzene	7.15	563	41516	88.78	ug/L	99
42)	p,m-Xylene	7.25	573	83193M	147.08	ug/L	96
43)	o-Xylene	7.57	606	46616	94.08	ug/L	98
44)	Styrene	7.59	608	79193	95.76	ug/L	91
45)	Bromoform	7.76	625	33153	93.92	ug/L	96
46)	4-BROMOFLUOROBENZENE	8.03	652	62451	87.97	ug/L	97
47)	1,1,2,2-Tetrachloroethane	8.13	662	37140	88.09	ug/L	92

000633

TOTAL ION CHROMATOGRAM



Data File: >G6397::A4
Name: 0827VSTD100
Misc: INITIAL CAL/HJP

Quant Output File: ^G6397::A2

Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

Operator ID: JULES
Quant Time: 940828 00:34
Injected at: 940828 00:25

QUANT REPORT

Operator ID: JULES
Output File: ^G6398::A2
Data File: >G6398::A4
Name: 0827VSTD150
Misc: INITIAL CAL/HJP

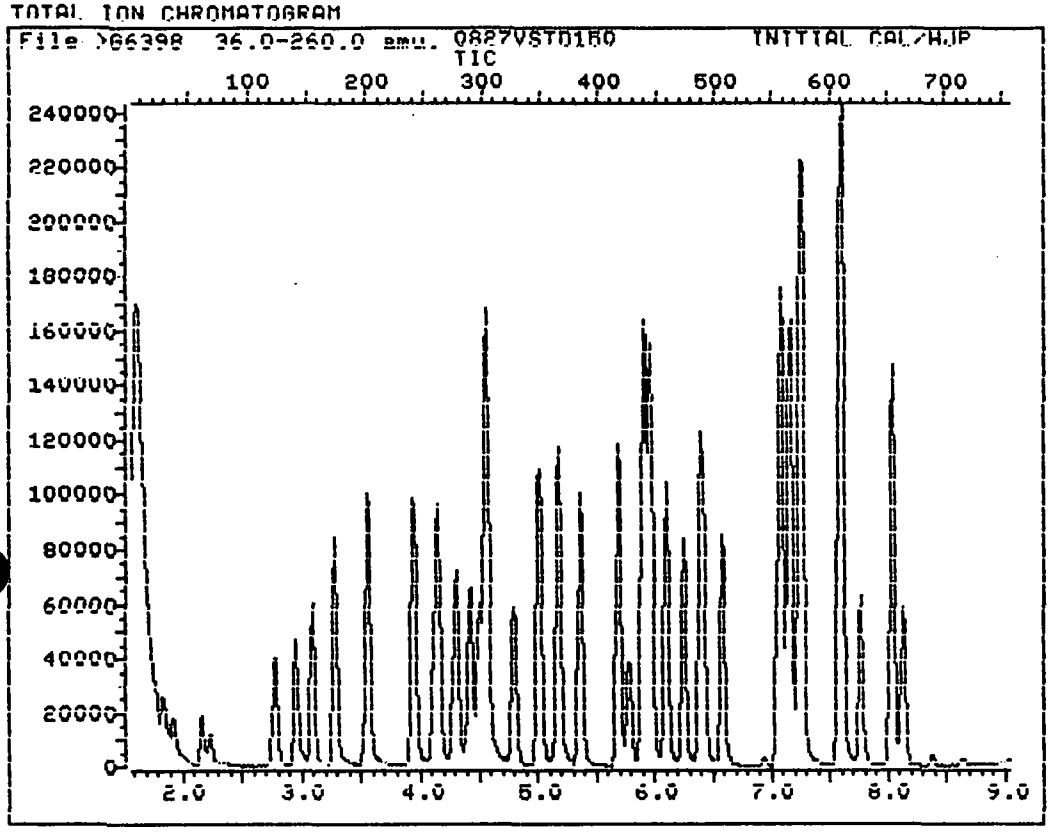
Quant Rev: 6 Quant Time: 940828 00:49
Injected at: 940828 00:40
Dilution Factor: 1.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.11	258	10744	50.00	ug/L	83
2)	Chloromethane	1.84	29	34925	115.32	ug/L	93
3)	Vinyl chloride	1.92	37	23127	95.80	ug/L	99
4)	Chloroethane	2.24	69	11292	485.70	ug/L	94
5)	Bromomethane	2.17	62	15806	508.58	ug/L	98
8)	1,1-Dichloroethene	2.77	123	18672	115.91	ug/L	55
9)	Carbon disulfide	2.95	141	82360	147.29	ug/L	96
10)	Acetone	2.80	126	5123	96.18	ug/L	99
11)	Methylene chloride	3.09	155	28529	175.73	ug/L	81
12)	t-1,2-Dichloroethene	3.27	174	38878	122.74	ug/L	62
14)	1,1-Dichloroethane	3.55	202	102781	142.81	ug/L	91
15)	Vinyl acetate	3.56	203	83640	138.31	ug/L	88
16)	cis-1,2-Dichloroethene	3.94	241	92167	82.72	ug/L	90
17)	2-Butanone	3.93	240	2755	142.04	ug/L	94
18)	Chloroform	4.14	262	106279	144.93	ug/L	97
19)	1,1,1-Trichloroethane	4.30	278	76340	119.67	ug/L	98
20)	*1,4-DIFLUOROBENZENE	4.80	328	64515	50.00	ug/L	95
21)	Carbon tetrachloride	4.43	291	66606	105.70	ug/L	99
22)	1,2-DICHLOROETHANE-D4	4.50	298	59492	138.34	ug/L	87
23)	1,2-Dichloroethane	4.56	304	62080	125.79	ug/L	95
24)	Benzene	4.56	304	148625	117.60	ug/L	100
25)	Trichloroethene	5.02	350	58464	123.88	ug/L	96
26)	1,2-Dichloropropane	5.17	366	69994	144.95	ug/L	99
27)	Bromodichloromethane	5.36	385	93169	126.44	ug/L	92
28)	2-Chloroethyl vinyl ether	5.17	366	69994	322.52	ug/L	96
29)	c-1,3-Dichloropropene	5.69	418	90960	129.53	ug/L	92
30)	4-Methyl-2-pentanone	5.78	427	50177	131.20	ug/L	89
31)	TOLUENE-D8	5.91	440	160843	127.41	ug/L	95
32)	Toluene	5.97	446	162622	113.18	ug/L	95
33)	t-1,3-Dichloropropene	6.09	459	75293	129.83	ug/L	91
34)	1,1,2-Trichloroethane	6.24	474	39986	132.03	ug/L	96
35)	*CHLOROBENZENE-D5	7.05	556	48608	50.00	ug/L	99
36)	Tetrachloroethene	6.39	489	48998	118.00	ug/L	98
37)	Dibromochloromethane	6.58	508	68945	145.59	ug/L	99
38)	2-Hexanone	6.42	492	30852	131.45	ug/L	91
40)	Chlorobenzene	7.08	559	119763	134.64	ug/L	95
41)	Ethyl benzene	7.16	567	57364	122.64	ug/L	99
42)	p,m-Xylene	7.25	576	109708M	193.89	ug/L	95
43)	o-Xylene	7.59	610	58078	117.18	ug/L	97
44)	Styrene	7.60	611	101361	122.52	ug/L	88
45)	Bromoform	7.77	628	45482	128.81	ug/L	98
46)	4-BROMOFLUOROBENZENE	8.03	655	86378	121.63	ug/L	97
47)	1,1,2,2-Tetrachloroethane	8.13	665	51321	121.68	ug/L	98

00635

TOTAL ION CHROMATOGRAM



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Name: 0827VSTD150
Misc: INITIAL CAL/HJP

Quant Output File: ^G6398::A2

Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

Operator ID: JULES
Quant Time: 940828 00:49
Injected at: 940828 00:40

QUANT REPORT

Operator ID: JULES
Output File: ^G6399::A2
Data File: >G6399::A4
Name: 0827VSTD200
Misc: INITIAL CAL/HJP

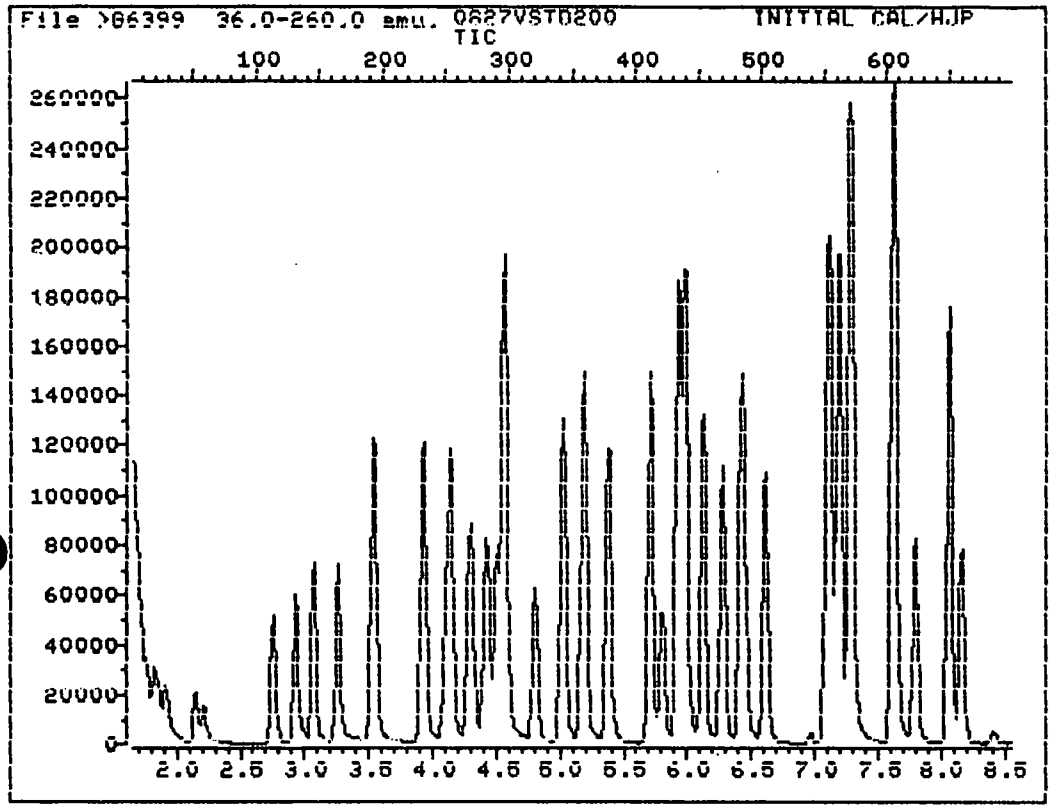
Quant Rev: 6 Quant Time: 940828 01:04
Injected at: 940828 00:55
Dilution Factor: 1.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.10	249	12327	50.00	ug/L	78
2)	Chloromethane	1.83	20	48334	139.10	ug/L	95
3)	Vinyl chloride	1.91	28	31584	114.03	ug/L	85
4)	Chloroethane	2.21	58	14322	536.92	ug/L	93
5)	Bromomethane	2.15	52	19037	533.88	ug/L	92
8)	1,1-Dichloroethene	2.75	113	23204	125.54	ug/L	55
9)	Carbon disulfide	2.93	131	105580	164.57	ug/L	96
10)	Acetone	2.77	115	6952	113.76	ug/L	99
11)	Methylene chloride	3.07	145	36859	197.88	ug/L	79
12)	t-1,2-Dichloroethene	3.26	164	34627	95.28	ug/L	59
14)	1,1-Dichloroethane	3.53	192	129705	157.08	ug/L	92
15)	Vinyl acetate	3.54	193	114430	164.93	ug/L	88
16)	cis-1,2-Dichloroethene	3.93	232	119287	93.31	ug/L	88
17)	2-Butanone	3.92	231	3711	166.75	ug/L	92
18)	Chloroform	4.14	253	138642	164.78	ug/L	97
19)	1,1,1-Trichloroethane	4.30	269	99439	135.86	ug/L	96
20)	*1,4-DIFLUOROBENZENE	4.80	320	73342	50.00	ug/L	95
21)	Carbon tetrachloride	4.42	282	86954	121.39	ug/L	97
22)	1,2-DICHLOROETHANE-D4	4.50	290	76449	156.37	ug/L	88
23)	1,2-Dichloroethane	4.55	295	80868	144.13	ug/L	94
24)	Benzene	4.56	296	184270	128.25	ug/L	100
25)	Trichloroethene	5.02	342	75669	141.04	ug/L	93
26)	1,2-Dichloropropane	5.19	359	90141	164.20	ug/L	99
27)	Bromodichloromethane	5.37	378	122639	146.40	ug/L	98
28)	2-Chloroethyl vinyl ether	5.19	359	90141	365.36	ug/L	95
29)	c-1,3-Dichloropropene	5.71	412	120570	151.04	ug/L	86
30)	4-Methyl-2-pentanone	5.81	422	72012	165.63	ug/L	86
31)	TOLUENE-D8	5.93	434	192631	134.22	ug/L	97
32)	Toluene	5.99	440	204038	124.92	ug/L	98
33)	t-1,3-Dichloropropene	6.13	454	101691	154.24	ug/L	94
34)	1,1,2-Trichloroethane	6.28	469	55161	160.22	ug/L	97
35)	*CHLOROBENZENE-D5	7.09	551	51066	50.00	ug/L	98
36)	Tetrachloroethene	6.42	484	63471	145.50	ug/L	97
37)	Dibromochloromethane	6.61	503	92342	185.61	ug/L	98
38)	2-Hexanone	6.45	487	43201	175.20	ug/L	89
40)	Chlorobenzene	7.12	554	151237	161.84	ug/L	92
41)	Ethyl benzene	7.20	562	70790	144.05	ug/L	99
42)	p,m-Xylene	7.29	571	132467M	222.85	ug/L	96
43)	o-Xylene	7.62	605	70156	134.73	ug/L	93
44)	Styrene	7.63	606	118538	136.39	ug/L	90
45)	Bromoform	7.80	623	63337	170.74	ug/L	93
46)	4-BROMOFLUOROBENZENE	8.07	650	107076	143.51	ug/L	92
47)	1,1,2,2-Tetrachloroethane	8.17	660	71268	160.85	ug/L	99

0000637

TOTAL ION CHROMATOGRAM



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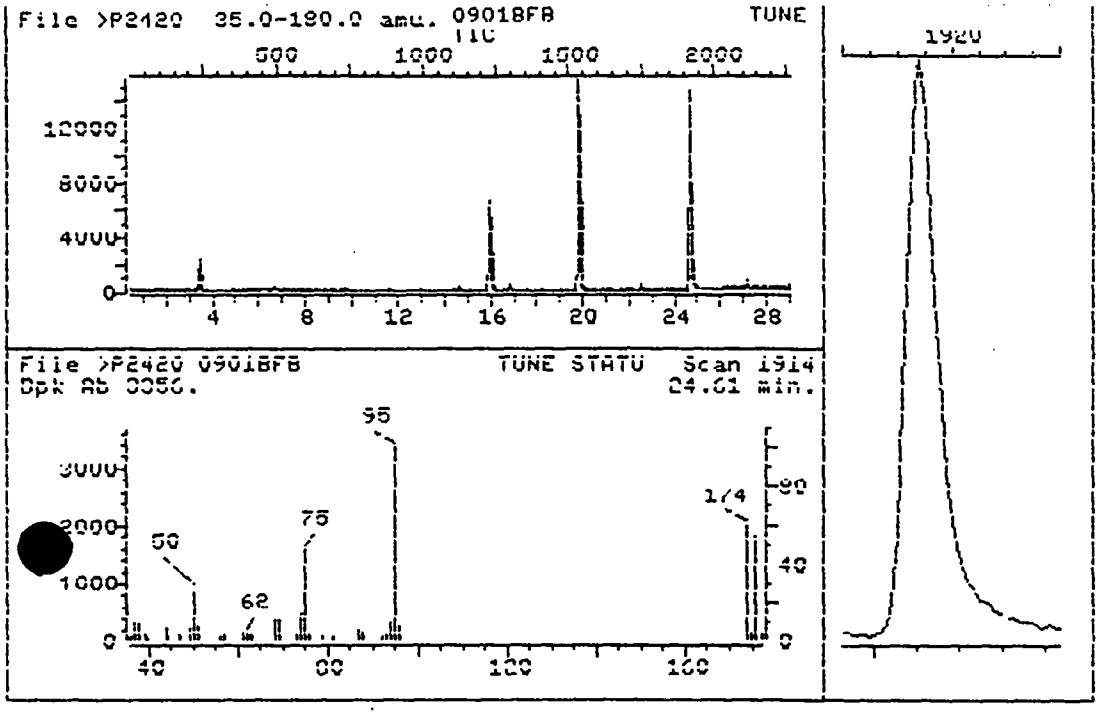
Name: 0827VSTD200
Misc: INITIAL CAL/HJP

Id File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940822 11:46

Operator ID: JULES
Quant Time: 940828 01:04
Injected at: 940828 00:55



FMGR : TUNER,=BFB

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	26.38	26.38	Ok
75	30-60% of mass 95	48.50	48.50	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.48	7.48	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	59.52	59.52	Ok
175	5-9% of mass 174	4.33	7.28	Ok
176	95-101% of mass 174	58.33	98.00	Ok
177	5-9% of mass 176	3.74	6.41	Ok

Injection Date: 09/03/94
Injection Time: 10:54
Data File: >P2420
Scan: 1914

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/03/94

Contractor: WEST PAINE Time: 11:29

Contract No: Laboratory ID: >P2421

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.43408	1.77		**	
Vinyl chloride	1.38028	1.36465	1.13	*		
Chloroethane	.70771	.85417	20.70			
Bromomethane	1.23891	1.32436	6.90			
Trichlorofluoromethane	2.40421	2.51543	4.63			
1,1-Dichloroethene	1.42145	1.41831	.22	*		
Acrolein	.25936	-	-			(Conc=250.00)
Carbon disulfide	4.34677	4.15341	4.45			
Acetone	.36013	.27619	23.31			
Methylene chloride	1.83132	1.86500	1.84			
t-1,2-Dichloroethene	1.62841	1.66017	1.95			
Acrylonitrile	.28356	.25708	9.34			(Conc=250.00)
1,1-Dichloroethane	3.57120	3.51713	1.51		**	
Vinyl acetate	2.84778	2.33906	17.86			
cis-1,2-Dichloroethylene	7.09626	6.97549	1.70			
2-Butanone	.10056	.07731	23.13			(Conc=250.00)
Chloroform	3.47089	3.40385	1.93	*		
1,1,1-Trichloroethane	2.83614	2.68159	5.45			
Carbon tetrachloride	.55919	.46881	16.16			
1,2-DICHLOROETHANE-D4	.41185	.37968	7.81			
1,2-Dichloroethane	.47726	.44457	6.85			
Benzene	.97597	.95639	2.01			
Trichloroethene	.38182	.36025	5.65			
1,2-Dichloropropane	.46228	.43792	5.27	*		
Bromodichloromethane	.68567	.62084	9.46			
2-Choloroethyl vinyl ether	.21188	.15759	25.62			
c-1,3-Dichloropropene	.56950	.49544	13.01			
4-Methyl-2-pentanone	.43090	.32908	23.63			
TOLUENE-D8	.88526	.82257	7.08			
Toluene	1.02946	.99257	3.58	*		
t-1,3-Dichloropropene	.45209	.37989	15.97			
1,1,2-Trichloroethane	.29089	.26477	8.98			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000640

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/03/94

Contractor: WEST PAINE Time: 11:29

Contract No: Laboratory ID: >P2421

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.49014	24.43		
Dibromochloromethane	.64605	.50279	22.18		
2-Hexanone	.36311	.24317	33.03		
1,2-Dibromoethane (EDB)	.70304	.55932	20.44		
Chlorobenzene	.97983	.86430	11.79		**
Ethyl benzene	.45162	.40536	10.24	*	
p,m-Xylene	.56669	.51409	9.28		
o-Xylene	.56658	.52310	7.68		
Styrene	.96176	.85047	11.57		
Bromoform	.43566	.32799	24.71		**
BROMOFLUOROBENZENE	.91001	.85866	5.64		
1,1,2,2-Tetrachloroethane	.74629	.63493	14.92		**
1,3-Dichlorobenzene	.74767	.65020	13.04		
1,4-Dichlorobenzene	.93886	.82841	11.76		
1,2-Dichlorobenzene	.74387	.68663	7.69		
1,2-Dibromo-3-chloropropane	.12242	.08669	29.19		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000641

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2421::D1
Data File: >P2421::D2
Name: 0903VSTD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940903 11:59
Injected at: 940903 11:29
Dilution Factor: 1.00000

ID File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

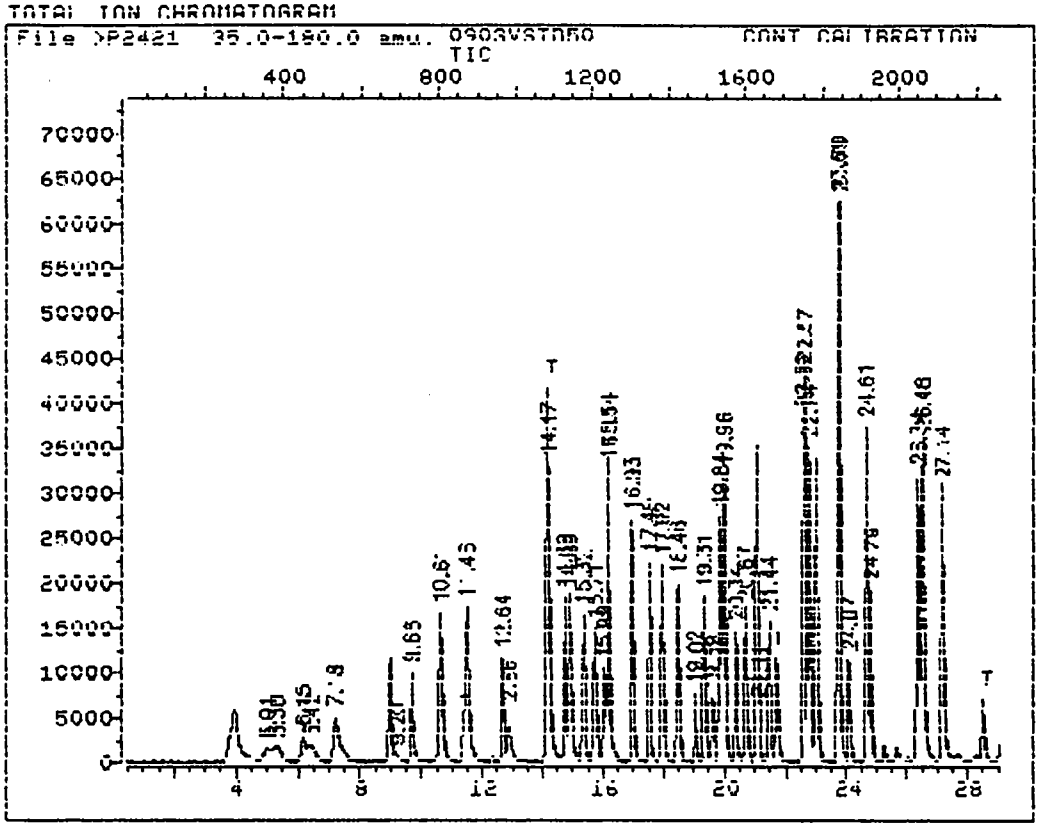
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.69	1127	12933	50.00	PPB	79
2)	Chloromethane	5.01	360	18547	50.89	PPB	95
3)	Vinyl chloride	5.30	383	17649	49.43	PPB	95
4)	Chloroethane	6.42	472	11047	60.35	PPB	93
5)	Bromomethane	6.15	451	17128	53.45	PPB	95
6)	Trichlorofluoromethane	7.18	532	32532	52.31	PPB	99
8)	1,1-Dichloroethene	8.93	671	18343	49.89	PPB	59
9)	Carbon disulfide	9.66	729	53716	47.78	PPB	97
10)	Acetone	9.20	692	3572M	38.35	PPB	85
11)	Methylene chloride	10.61	804	24120	50.92	PPB	75
12)	t-1,2-Dichloroethene	11.46	871	21471	50.98	PPB	63
13)	Acrylonitrile	11.35	863	16624	226.65	PPB	97
14)	1,1-Dichloroethane	12.64	965	45487	49.24	PPB	91
15)	Vinyl acetate	12.86	982	30251	41.07	PPB	90
16)	cis-1,2-Dichloroethylene	14.14	1084	90214	49.15	PPB	86
17)	2-Butanone	14.17	1086	4999	192.18	PPB	90
18)	Chloroform	14.89	1143	44022	49.03	PPB	94
19)	1,1,1-Trichloroethane	15.32	1177	34681	47.28	PPB	96
20)	*1,4-DIFLUOROBENZENE	16.93	1305	60694	50.00	PPB	86
21)	Carbon tetrachloride	15.71	1208	28454	41.92	PPB	99
22)	1,2-DICHLOROETHANE-D4	15.99	1230	23044	46.09	PPB	87
23)	1,2-Dichloroethane	16.15	1243	26983	46.58	PPB	94
24)	Benzene	16.14	1242	58047	49.00	PPB	100
25)	Trichloroethene	17.49	1349	21865	47.18	PPB	90
26)	1,2-Dichloropropane	17.92	1383	26579	47.36	PPB	95
27)	Bromodichloromethane	18.46	1426	37681	45.27	PPB	98
28)	2-Choloroethyl vinyl ether	19.02	1470	9565	37.19	PPB	93
29)	c-1,3-Dichloropropene	19.31	1493	30070	43.50	PPB	93
30)	4-Methyl-2-pentanone	19.59	1515	19973	38.18	PPB	88
31)	TOLUENE-D8	19.84	1535	49925	46.46	PPB	99
32)	Toluene	19.96	1545	60243	48.21	PPB	94
33)	t-1,3-Dichloropropene	20.34	1575	23057	42.02	PPB	94
34)	1,1,2-Trichloroethane	20.67	1601	16070	45.51	PPB	97
35)	*CHLOROBENZENE-D5	22.52	1747	49188	50.00	PPB	86
36)	Tetrachloroethene	21.00	1627	24109	37.79	PPB	98
37)	Dibromochloromethane	21.44	1662	24731	38.91	PPB	97
38)	2-Hexanone	21.11	1636	11961M	33.48	PPB	93
39)	1,2-Dibromoethane (EDB)	21.67	1680	27512	39.78	PPB	93
40)	Chlorobenzene	22.57	1751	42513	44.10	PPB	94
41)	Ethyl benzene	22.74	1765	19939	44.88	PPB	95
42)	p,m-Xylene	22.96	1782	25287M	45.36	PPB	99
43)	o-Xylene	23.69	1840	25730	46.16	PPB	95
44)	Styrene	23.70	1841	41833	44.21	PPB	96

0000642

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	Bromoform	24.07	1870	16133	37.64	PPB	92
46)	BROMOFLUOROBENZENE	24.61	1913	42236	47.18	PPB	72
47)	1,1,2,2-Tetrachloroethane	24.79	1927	31231	42.54	PPB	94
48)	1,3-Dichlorobenzene	26.34	2050	31982	43.48	PPB	97
49)	1,4-Dichlorobenzene	26.48	2061	40748	44.12	PPB	97
50)	1,2-Dichlorobenzene	27.14	2113	33774	46.15	PPB	94
51)	1,2-Dibromo-3-chloropropane	28.48	2219	4264	35.41	PPB	80

* Compound is ISTD

TOTAL ION CHROMATOGRAM



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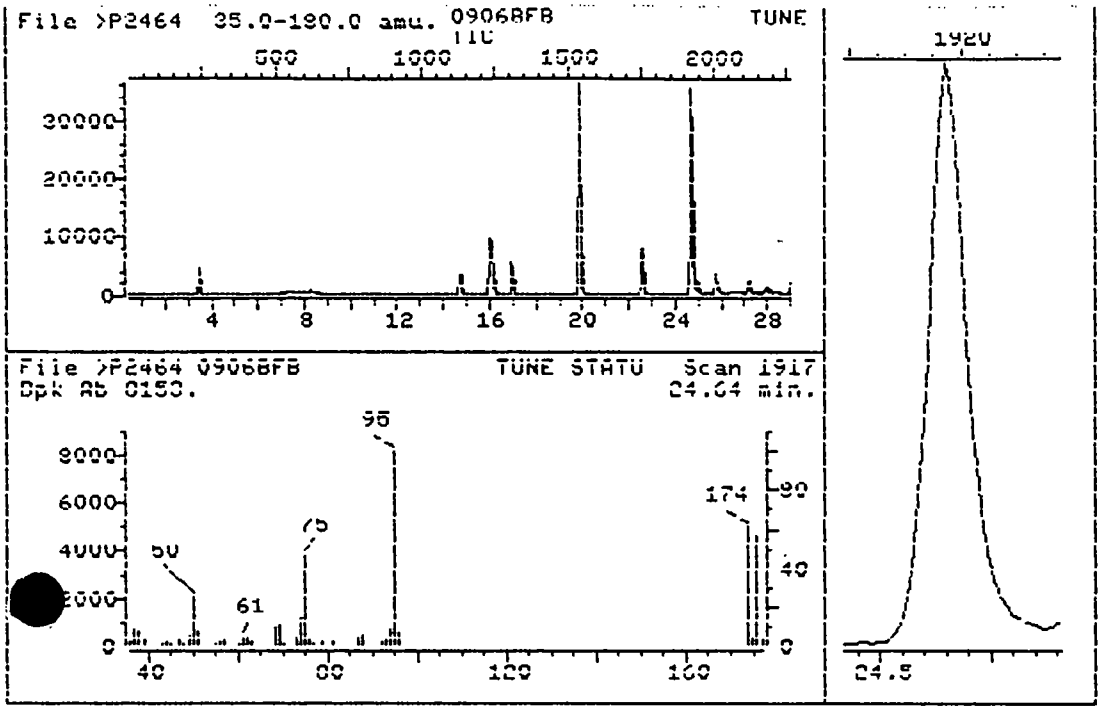
Name: 0903VSTD50
Misc: CONT CALIBRATION

Id File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940903 11:59
Injected at: 940903 11:29



FMGR : TUNER,=BFB

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	26.00	26.00	Ok
75	30-60% of mass 95	49.15	49.15	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.95	6.95	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	62.11	62.11	Ok
175	5-9% of mass 174	4.64	7.48	Ok
176	95-101% of mass 174	59.24	95.39	Ok
177	5-9% of mass 176	3.85	6.49	Ok

Injection Date: 09/06/94
Injection Time: 05:44
Data File: >P2464
Scan: 1917

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/06/94

Contractor: WEST PRINE Time: 06:18

Contract No: Laboratory ID: >P2465

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	RF	$\overline{RF}$	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.74445	23.80		**	
Vinyl chloride	1.38028	1.66129	20.36	*		
Chloroethane	.70771	1.00182	41.56			
Bromomethane	1.23891	1.60630	29.65			
Trichlorofluoromethane	2.40421	3.02727	25.92			
1,1-Dichloroethene	1.42145	1.69318	19.12	*		
Acrolein	.25936	.00236	99.09			(Conc=250.00)
Carbon disulfide	4.34677	5.07529	16.76			
Acetone	.36013	.28107	21.95			
Methylene chloride	1.83132	2.30682	25.97			
t-1,2-Dichloroethene	1.62841	1.95009	19.75			
Acrylonitrile	.28356	.24911	12.15			(Conc=250.00)
1,1-Dichloroethane	3.57120	4.13209	15.71		**	
Vinyl acetate	2.84778	2.68712	5.64			
cis-1,2-Dichloroethylene	7.09626	7.77384	9.55			
2-Butanone	.10056	.08428	16.19			(Conc=250.00)
Chloroform	3.47089	3.86685	11.41	*		
1,1,1-Trichloroethane	2.83614	2.98516	5.25			
Carbon tetrachloride	.55919	.51260	8.33			
1,2-DICHLOROETHANE-D4	.41185	.37413	9.16			
1,2-Dichloroethane	.47726	.49932	4.62			
Benzene	.97597	1.08680	11.36			
Trichloroethene	.38182	.41531	8.77			
1,2-Dichloropropane	.46228	.50623	9.51	*		
Bromodichloromethane	.68567	.70401	2.68			
2-Choloroethyl vinyl ether	.21188	.18495	12.71			
c-1,3-Dichloropropene	.56958	.57481	.93			
4-Methyl-2-pentanone	.43090	.34612	19.68			
TOLUENE-D8	.88526	.84162	4.93			
Toluene	1.02946	1.15141	11.85	*		
t-1,3-Dichloropropene	.45209	.43572	3.62			
1,1,2-Trichloroethane	.29089	.29761	2.31			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000646

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/06/94

Contractor: WEST PRINE Time: 06:18

Contract No: Laboratory ID: >P2465

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.51266	20.95		
Dibromochloromethane	.64605	.62174	3.76		
2-Hexanone	.36311	.27851	23.30		
1,2-Dibromoethane (EDB)	.70304	.65060	7.46		
Chlorobenzene	.97983	1.06396	8.59		**
Ethyl benzene	.45162	.50658	12.17	*	
p,m-Xylene	.56669	.63499	12.05		
o-Xylene	.56658	.64294	13.48		
Styrene	.96176	1.04295	8.44		
Bromoform	.43566	.38384	11.90		**
BROMOFLUOROBENZENE	.91001	.83401	8.35		
1,1,2,2-Tetrachloroethane	.74629	.71068	4.77		**
1,3-Dichlorobenzene	.74767	.80897	8.20		
1,4-Dichlorobenzene	.93886	1.00603	7.15		
1,2-Dichlorobenzene	.74387	.79578	6.98		
1,2-Dibromo-3-chloropropane	.12242	.09351	23.61		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000647

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2465::D1
Data File: >P2465::D2
Name: 0906OSTD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940906 06:48
Injected at: 940906 06:18
Dilution Factor: 1.00000

ID File: IDINO1::A3
Title: OOA IDFILE
Last Calibration: 940826 14:24

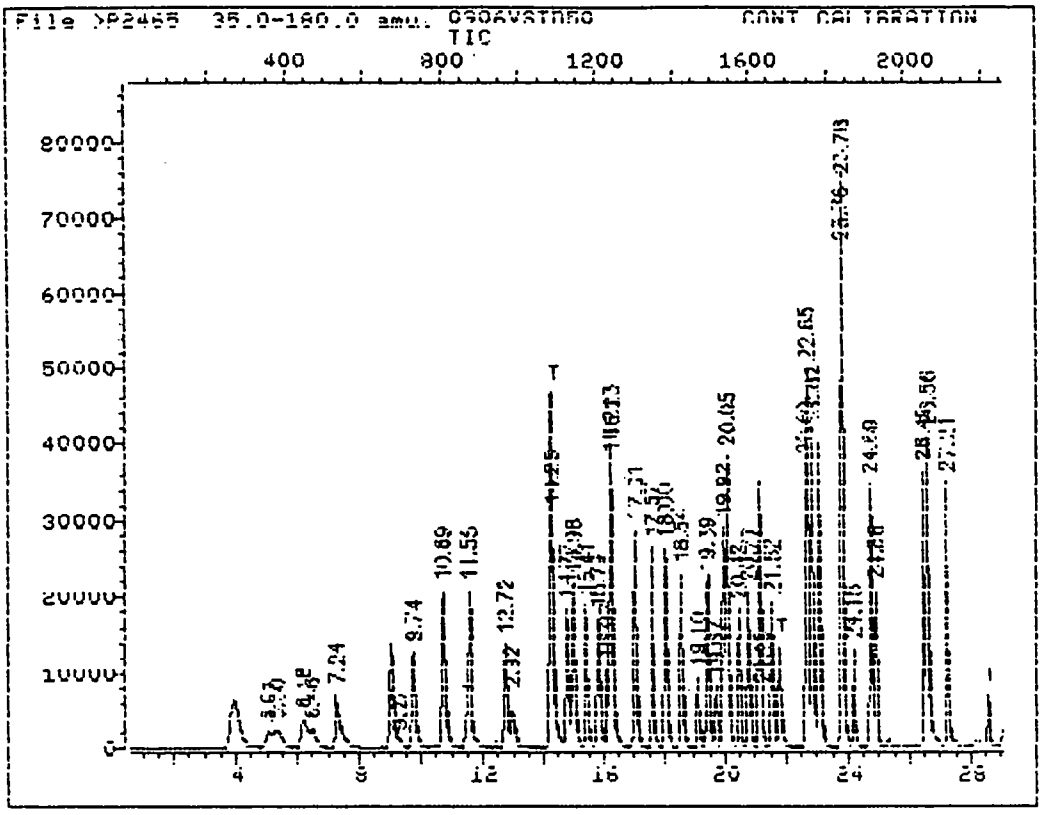
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.77	1124	13203	50.00	PPB	78
2)	Chloromethane	5.01	351	23032M	61.90	PPB	96
3)	Vinyl chloride	5.30	374	21934	60.16	PPB	96
4)	Chloroethane	6.46	466	13227	70.78	PPB	94
5)	Bromomethane	6.18	444	21208	64.83	PPB	95
6)	Trichlorofluoromethane	7.24	528	39969	62.96	PPB	97
7)	Acrolein	8.71	644	156M	2.28	PPB	
8)	1,1-Dichloroethene	9.01	668	22355	59.56	PPB	56
9)	Carbon disulfide	9.74	726	67009	58.36	PPB	98
10)	Acetone	9.27	689	3711	33.02	PPB	85
11)	Methylene chloride	10.69	801	30457	62.98	PPB	78
12)	t-1,2-Dichloroethene	11.55	869	25747	59.88	PPB	61
13)	Acrylonitrile	11.45	861	16445	219.62	PPB	97
14)	1,1-Dichloroethane	12.72	962	54556	57.85	PPB	93
15)	Vinyl acetate	12.92	978	35478	47.18	PPB	88
16)	cis-1,2-Dichloroethylene	14.21	1080	102638	54.77	PPB	88
17)	2-Butanone	14.26	1084	5564	209.53	PPB	89
18)	Chloroform	14.98	1141	51054	55.70	PPB	97
19)	1,1,1-Trichloroethane	15.41	1175	39413	52.63	PPB	98
20)	*1,4-DIFLUOROBENZENE	17.01	1302	63759	50.00	PPB	88
21)	Carbon tetrachloride	15.79	1205	32683	45.83	PPB	95
22)	1,2-DICHLOROETHANE-D4	16.07	1227	23854	45.42	PPB	82
23)	1,2-Dichloroethane	16.23	1240	31836	52.31	PPB	96
24)	Benzene	16.21	1238	69293	55.68	PPB	100
25)	Trichloroethene	17.57	1346	26480	54.39	PPB	93
26)	1,2-Dichloropropane	18.00	1380	32277	54.75	PPB	99
27)	Bromodichloromethane	18.54	1423	44887	51.34	PPB	99
28)	2-Choloroethyl vinyl ether	19.10	1467	11792	43.65	PPB	91
29)	c-1,3-Dichloropropene	19.39	1490	36649	50.47	PPB	92
30)	4-Methyl-2-pentanone	19.67	1512	22068	40.16	PPB	88
31)	TOLUENE-D8	19.92	1532	53661	47.54	PPB	95
32)	Toluene	20.05	1542	73413	55.92	PPB	96
33)	t-1,3-Dichloropropene	20.42	1572	27781	48.19	PPB	92
34)	1,1,2-Trichloroethane	20.77	1599	18975	51.15	PPB	94
35)	*CHLOROBENZENE-D5	22.60	1744	47919	50.00	PPB	90
36)	Tetrachloroethene	21.08	1624	24566	39.52	PPB	96
37)	Dibromochloromethane	21.52	1659	29793	48.12	PPB	99
38)	2-Hexanone	21.19	1633	13346	38.35	PPB	92
39)	1,2-Dibromoethane (EDB)	21.75	1677	31176	46.27	PPB	92
40)	Chlorobenzene	22.65	1748	50884	54.29	PPB	92
41)	Ethyl benzene	22.82	1762	24275	56.09	PPB	86
42)	p,m-Xylene	23.04	1779	38428M	56.03	PPB	95
43)	o-Xylene	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

0000648

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	Styrene	23.78	1838	49977	54.22	PPB	9
45)	Bromoform	24.15	1867	18393	44.05	PPB	9
46)	BROMOFLUOROBENZENE	24.69	1910	39965	45.82	PPB	6
47)	1,1,2,2-Tetrachloroethane	24.86	1923	34055	47.61	PPB	9
48)	1,3-Dichlorobenzene	26.42	2047	38765	54.10	PPB	9
49)	1,4-Dichlorobenzene	26.56	2058	48208	53.58	PPB	9
50)	1,2-Dichlorobenzene	27.21	2109	38133	53.49	PPB	9
51)	1,2-Dibromo-3-chloropropane	28.52	2213	4481	38.19	PPB	8

* Compound is ISTD

TOTAL ION CHROMATOGRAM



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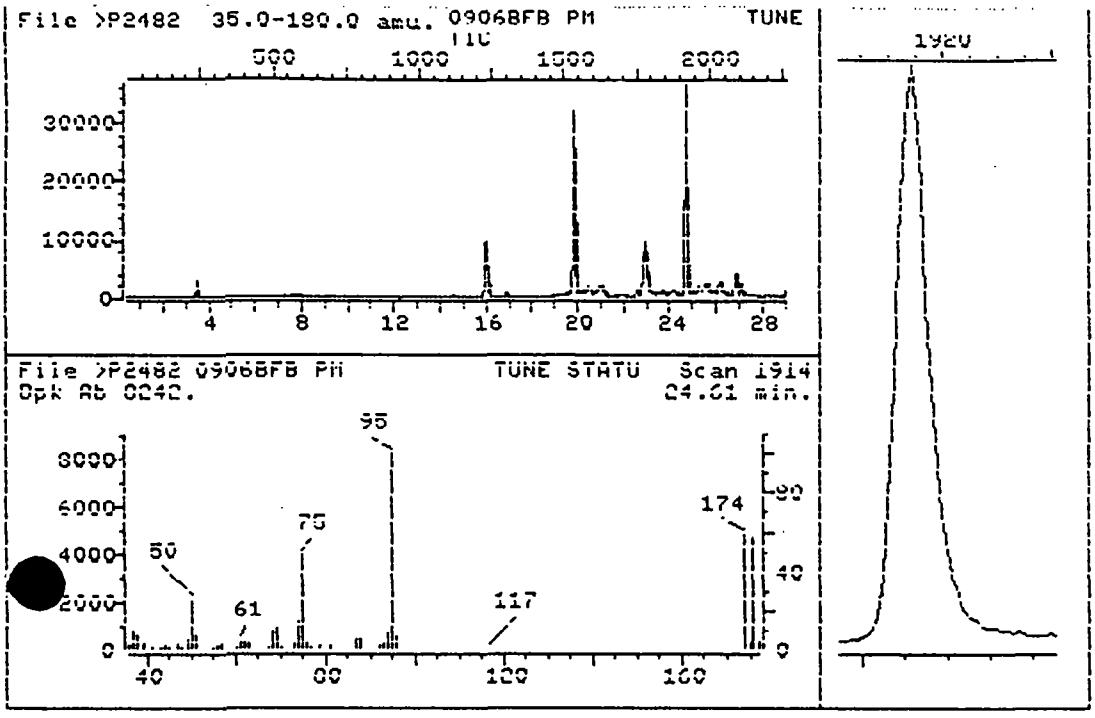
Name: 0906VSTD50
Misc: CONT CALIBRATION

Id File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940906 06:48
Injected at: 940906 06:18



FMGR : TUNER,=BFB

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	26.16	26.16	Ok
75	30-60% of mass 95	48.35	48.35	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.02	7.02	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	58.58	58.58	Ok
175	5-9% of mass 174	4.32	7.37	Ok
176	95-101% of mass 174	57.50	98.16	Ok
177	5-9% of mass 176	3.88	6.75	Ok

Injection Date: 09/06/94
Injection Time: 16:55
Data File: >P2482
Scan: 1914

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/06/94

Contractor: WEST PRINE Time: 17:30

Contract No: Laboratory ID: >PZ483

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.81386	28.72		**	
Vinyl chloride	1.38028	1.69297	22.65	*		
Chloroethane	.70771	1.03842	46.73			
Bromomethane	1.23891	1.63683	32.12			
Trichlorofluoromethane	2.40421	3.04480	26.64			
1,1-Dichloroethene	1.42145	1.67980	18.18	*		
Acrolein	.25936	.00161	99.38			(Conc=250.00)
Carbon disulfide	4.34677	5.09489	17.21			
Acetone	.36013	.29155	19.04			
Methylene chloride	1.83132	2.14416	17.08			
t-1,2-Dichloroethene	1.62841	1.95835	20.26			
Acrylonitrile	.28356	.26717	5.78			(Conc=250.00)
1,1-Dichloroethane	3.57120	4.28028	19.86		**	
Vinyl acetate	2.84778	2.94013	3.24			
cis-1,2-Dichloroethylene	7.09626	8.18241	15.31			
2-Butanone	.10056	.09590	4.64			(Conc=250.00)
Chloroform	3.47089	3.96870	14.34	*		
1,1,1-Trichloroethane	2.83614	3.02575	6.69			
Carbon tetrachloride	.55919	.54895	1.83			
1,2-DICHLOROETHANE-D4	.41185	.43497	5.62			
1,2-Dichloroethane	.47726	.54426	14.04			
Benzene	.97597	1.19325	22.26			
Trichloroethene	.38187	.44207	15.78			
1,2-Dichloropropane	.46228	.55962	21.06	*		
Bromodichloromethane	.68567	.78182	14.02			
2-Chloroethyl vinyl ether	.21188	.21646	2.16			
c-1,3-Dichloropropene	.56950	.64498	13.25			
4-Methyl-2-pentanone	.43090	.42423	1.55			
TOLUENE-D8	.88526	.96022	8.47			
Toluene	1.02946	1.25022	21.44	*		
t-1,3-Dichloropropene	.45209	.49632	9.79			
1,1,2-Trichloroethane	.29089	.33405	14.84			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000652

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/06/94

Contractor: WEST PRINE Time: 17:30

Contract No: Laboratory ID: >M2483

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.53063	18.18		
Dibromochloromethane	.64605	.68835	6.55		
2-Hexanone	.36311	.33297	8.30		
1,2-Dibromoethane (EDB)	.70304	.73127	4.02		
Chlorobenzene	.97983	1.14901	17.27		**
Ethyl benzene	.45162	.53917	19.39	*	
p,m-Xylene	.56669	.68218	20.38		
o-Xylene	.56658	.70757	24.88		
Styrene	.96176	1.15803	20.41		
Bromoform	.43566	.44276	1.63		**
BROMOFLUOROBENZENE	.91001	1.01856	11.93		
1,1,2,2-Tetrachloroethane	.74629	.83724	12.19		**
1,3-Dichlorobenzene	.74767	.86962	16.31		
1,4-Dichlorobenzene	.93886	1.08960	16.06		
1,2-Dichlorobenzene	.74387	.87228	17.26		
1,2-Dibromo-3-chloropropane	.12242	.11504	6.03		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000653

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940906 18:00
Output File: ^P2483::D1 Injected at: 940906 17:30
Data File: >P2483::D2 Dilution Factor: 1.00000
Name: 0906VSTD50
Misc: CONT CALIBRATION PM

ID File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

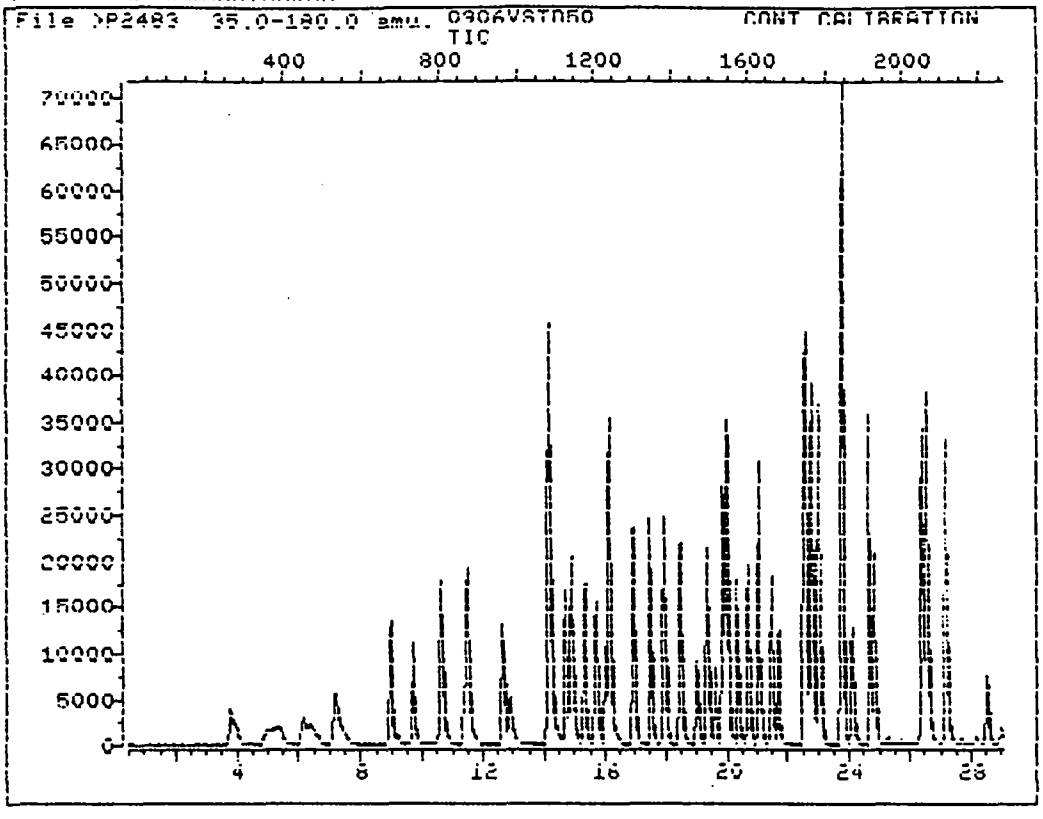
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.69	1127	12077M	50.00	PPB	79
2)	Chloromethane	5.02	361	21906	64.36	PPB	94
3)	Vinyl chloride	5.29	382	20446	61.33	PPB	98
4)	Chloroethane	6.41	471	12541	73.37	PPB	96
5)	Bromomethane	6.14	450	19768	66.06	PPB	94
6)	Trichlorofluoromethane	7.17	531	36772	63.32	PPB	95
7)	Acrolein	8.59	644	97M	1.55	PPB	
8)	1,1-Dichloroethene	8.93	671	20287	59.09	PPB	57
9)	Carbon disulfide	9.65	728	61531	58.61	PPB	96
10)	Acetone	9.19	691	3521	40.48	PPB	91
11)	Methylene chloride	10.60	803	25895	58.54	PPB	76
12)	t-1,2-Dichloroethene	11.46	871	23651	60.13	PPB	60
13)	Acrylonitrile	11.36	863	16133	235.55	PPB	95
14)	1,1-Dichloroethane	12.63	964	51693	59.93	PPB	91
15)	Vinyl acetate	12.85	981	35508	51.62	PPB	88
16)	cis-1,2-Dichloroethylene	14.13	1083	98819	57.65	PPB	87
17)	2-Butanone	14.17	1086	5791	238.41	PPB	90
18)	Chloroform	14.89	1143	47930	57.17	PPB	99
19)	1,1,1-Trichloroethane	15.31	1176	36542	53.34	PPB	96
20)	*1,4-DIFLUOROBENZENE	16.94	1305	54555	50.00	PPB	86
21)	Carbon tetrachloride	15.69	1206	29948	49.08	PPB	95
22)	1,2-DICHLOROETHANE-D4	15.98	1229	23730	52.81	PPB	82
23)	1,2-Dichloroethane	16.15	1243	29692	57.02	PPB	97
24)	Benzene	16.13	1241	65098	61.13	PPB	100
25)	Trichloroethene	17.49	1349	24117	57.89	PPB	89
26)	1,2-Dichloropropane	17.92	1383	30530	60.53	PPB	97
27)	Bromodichloromethane	18.46	1426	42652	57.01	PPB	95
28)	2-Choloroethyl vinyl ether	19.02	1470	11809	51.08	PPB	92
29)	c-1,3-Dichloropropene	19.32	1494	35187	56.63	PPB	95
30)	4-Methyl-2-pentanone	19.59	1515	23144	49.23	PPB	89
31)	TOLUENE-D8	19.84	1535	52385	54.23	PPB	98
32)	Toluene	19.97	1545	68206	60.72	PPB	94
33)	t-1,3-Dichloropropene	20.33	1574	27077	54.89	PPB	93
34)	1,1,2-Trichloroethane	20.67	1601	18224	57.42	PPB	92
35)	*CHLOROBENZENE-D5	22.53	1748	41004	50.00	PPB	85
36)	Tetrachloroethene	21.00	1627	21758	40.91	PPB	98
37)	Dibromochloromethane	21.44	1662	28225	53.27	PPB	99
38)	2-Hexanone	21.12	1636	13653	45.85	PPB	90
39)	1,2-Dibromoethane (EDB)	21.67	1680	29985	52.01	PPB	91
40)	Chlorobenzene	22.58	1752	47114	58.63	PPB	95
41)	Ethyl benzene	22.76	1766	22108	59.69	PPB	94
42)	p,m-Xylene	22.97	1783	27972M	60.19	PPB	98
43)	o-Xylene	23.71	1841	29013	[illegible]	[illegible]	[illegible]

0000654

	Compound	R.T.	Scan#	Area	Conc	Units	Q
44)	Styrene	23.71	1841	47484	60.20	PPB	94
45)	Bromoform	24.08	1871	18155	50.82	PPB	92
46)	BROMOFLUOROBENZENE	24.63	1914	41765	55.96	PPB	66
47)	1,1,2,2-Tetrachloroethane	24.79	1927	34330	56.09	PPB	93
48)	1,3-Dichlorobenzene	26.37	2052	35658	58.16	PPB	96
49)	1,4-Dichlorobenzene	26.50	2062	44678	58.03	PPB	98
50)	1,2-Dichlorobenzene	27.14	2113	35767	58.63	PPB	99
51)	1,2-Dibromo-3-chloropropane	28.48	2219	4717	46.99	PPB	81

* Compound is ISTD

TOTAL ION CHROMATOGRAM



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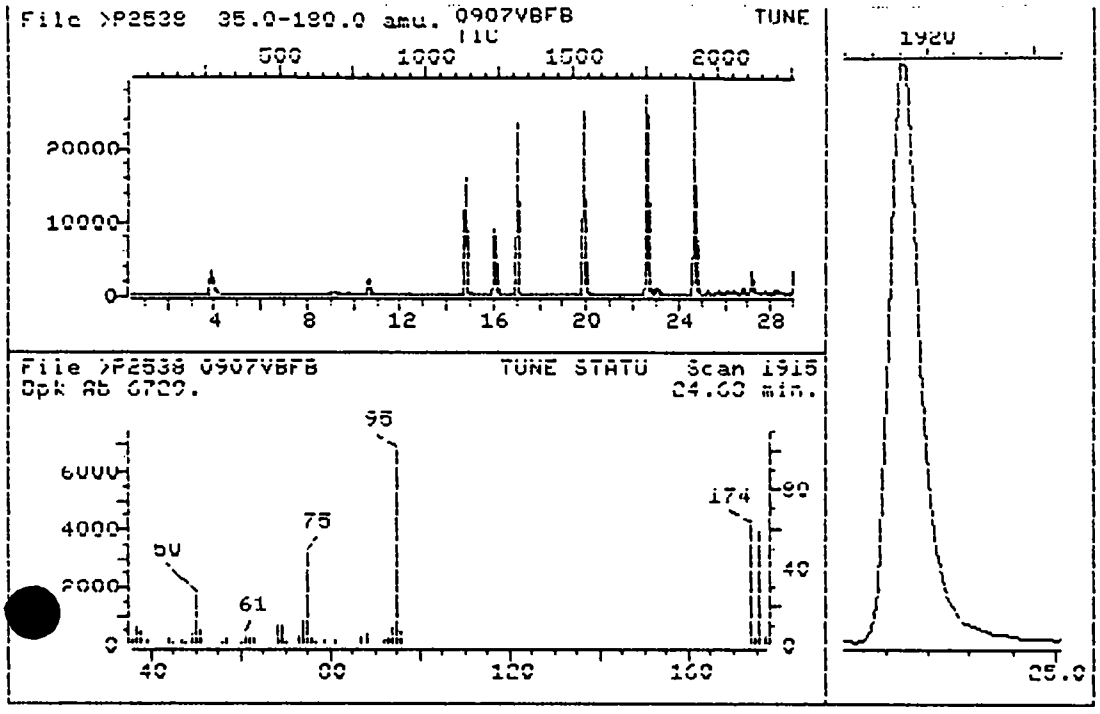
Name: U906VSTD50
Misc: CONT CALIBRATION PM

Id File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940906 18:00
Injected at: 940906 17:30



FMGR : TUNER,=BFB

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	24.98	24.98	Ok
75	30-60% of mass 95	47.32	47.32	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.63	6.63	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	61.11	61.11	Ok
175	5-9% of mass 174	4.68	7.66	Ok
176	95-101% of mass 174	58.52	95.77	Ok
177	5-9% of mass 176	3.91	6.68	Ok

Injection Date: 09/08/94
Injection Time: 09:52
Data File: >P2538
Scan: 1915

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/08/94

Contractor: WEST PRINE Time: 10:43

Contract No: Laboratory ID: >P2539

Instrument ID: HP 597U INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.73327	23.00		**	
Vinyl chloride	1.38028	1.65742	20.08	*		
Chloroethane	.70771	.98836	39.66			
Bromomethane	1.23891	1.57713	27.30			
Trichlorofluoromethane	2.40421	2.95064	22.73			
1,1-Dichloroethene	1.42145	1.66336	17.02	*		
Acrolein	.25936	-	-			(Conc=250.00)
Carbon disulfide	4.34677	5.06592	16.54			
Acetone	.36013	.29610	17.78			
Methylene chloride	1.83132	2.62915	43.57			
t-1,2-Dichloroethene	1.62841	1.94993	19.74			
Acrylonitrile	.28356	.27212	4.03			(Conc=250.00)
1,1-Dichloroethane	3.57120	4.08014	14.25		**	
Vinyl acetate	2.84778	2.69085	5.51			
cis-1,2-Dichloroethylene	7.09626	7.81973	10.20			
2-Butanone	.10056	.08946	11.04			(Conc=250.00)
Chloroform	3.47089	3.84012	10.64	*		
1,1,1-Trichloroethane	2.83614	2.91541	2.80			
Carbon tetrachloride	.55919	.51416	8.05			
1,2-DICHLOROETHANE-D4	.41185	.34583	16.03			
1,2-Dichloroethane	.47726	.49805	4.36			
Benzene	.97597	1.09890	12.60			
Trichloroethene	.38182	.41588	8.92			
1,2-Dichloropropane	.46228	.49790	7.71	*		
Bromodichloromethane	.68567	.71640	4.48			
2-Choloroethyl vinyl ether	.21188	-	-			NTC
c-1,3-Dichloropropene	.56950	.57700	1.32			
4-Methyl-2-pentanone	.43098	.36285	15.79			
TOLUENE-D8	.88526	.76453	13.64			
Toluene	1.02946	1.11896	8.69	*		
t-1,3-Dichloropropene	.45209	.43498	3.78			
1,1,2-Trichloroethane	.29089	.29517	1.47			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000658

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/08/94

Contractor: WEST PAINE Time: 10:43

Contract No: Laboratory ID: >P2539

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.50120	22.72		
Dibromochloromethane	.64605	.64229	.58		
2-Hexanone	.36311	.29157	19.70		
1,2-Dibromoethane (EDB)	.70304	.67374	4.17		
Chlorobenzene	.97983	1.05798	7.98		**
Ethyl benzene	.45162	.49808	10.29	*	
p,m-Xylene	.56669	.62601	10.47		
o-Xylene	.56658	.64024	13.00		
Styrene	.96176	1.05606	9.81		
Bromoform	.43566	.40672	6.64		**
BROMOFLUOROBENZENE	.91001	.79516	12.62		
1,1,2,2-Tetrachloroethane	.74629	.75778	1.54		**
1,3-Dichlorobenzene	.74767	.81400	8.87		
1,4-Dichlorobenzene	.93886	.99128	5.58		
1,2-Dichlorobenzene	.74387	.81563	9.65		
1,2-Dibromo-3-chloropropane	.12242	.10278	16.04		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000659

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2539::D1
Data File: >P2539::D2
Name: 0908OSTD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940908 11:13
Injected at: 940908 10:43
Dilution Factor: 1.00000

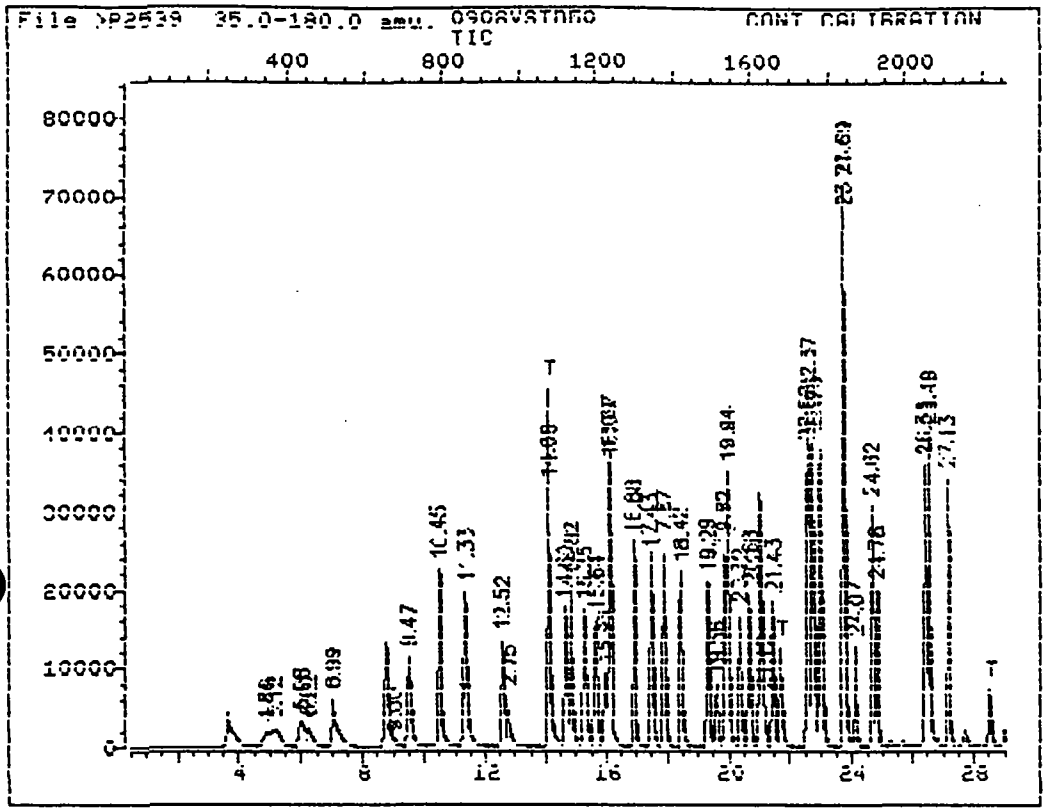
ID File: IDINM1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.60	1119	12803	50.00	PPB	77
2)	Chloromethane	4.86	347	22191	61.50	PPB	97
3)	Vinyl chloride	5.15	370	21220M	60.04	PPB	95
4)	Chloroethane	6.22	455	12654M	69.83	PPB	97
5)	Bromomethane	5.98	436	20192M	63.65	PPB	98
6)	Trichlorofluoromethane	6.99	516	37777	61.36	PPB	98
8)	1,1-Dichloroethene	8.73	654	21296	58.51	PPB	57
9)	Carbon disulfide	9.47	712	64859	58.27	PPB	98
10)	Acetone	9.00	675	3791	41.11	PPB	95
11)	Methylene chloride	10.45	790	33661	71.78	PPB	77
12)	t-1,2-Dichloroethene	11.33	860	24965	59.87	PPB	60
13)	Acrylonitrile	11.22	851	17420	239.91	PPB	95
14)	1,1-Dichloroethane	12.52	954	52238	57.13	PPB	93
15)	Vinyl acetate	12.75	972	34451	47.24	PPB	88
16)	cis-1,2-Dichloroethylene	14.05	1075	100116	55.10	PPB	89
17)	2-Butanone	14.08	1078	5727	222.41	PPB	90
18)	Chloroform	14.82	1136	49165	55.32	PPB	95
19)	1,1,1-Trichloroethane	15.25	1170	37326	51.40	PPB	94
20)	*1,4-DIFLUOROBENZENE	16.88	1299	60518	50.00	PPB	88
21)	Carbon tetrachloride	15.64	1201	31116	45.97	PPB	99
22)	1,2-DICHLOROETHANE-D4	15.93	1224	20929	41.99	PPB	80
23)	1,2-Dichloroethane	16.09	1237	30141	52.18	PPB	97
24)	Benzene	16.07	1235	66503	56.30	PPB	100
25)	Trichloroethene	17.43	1343	25168	54.46	PPB	97
26)	1,2-Dichloropropane	17.87	1378	30132	53.85	PPB	99
27)	Bromodichloromethane	18.42	1421	43355	52.24	PPB	96
29)	c-1,3-Dichloropropene	19.29	1490	34919	50.66	PPB	96
30)	4-Methyl-2-pentanone	19.56	1512	21959	42.10	PPB	87
31)	TOLUENE-D8	19.82	1532	46268	43.18	PPB	98
32)	Toluene	19.94	1542	67717	54.35	PPB	94
33)	t-1,3-Dichloropropene	20.32	1572	26324	48.11	PPB	94
34)	1,1,2-Trichloroethane	20.68	1600	17863	50.73	PPB	92
35)	*CHLOROBENZENE-D5	22.52	1746	44844	50.00	PPB	89
36)	Tetrachloroethene	20.99	1625	22476	38.64	PPB	96
37)	Dibromochloromethane	21.43	1660	28803	49.71	PPB	98
38)	2-Hexanone	21.12	1635	13075	40.15	PPB	88
39)	1,2-Dibromoethane (EDB)	21.66	1678	30213	47.92	PPB	92
40)	Chlorobenzene	22.57	1750	47444	53.99	PPB	93
41)	Ethyl benzene	22.75	1764	22336	55.14	PPB	95
42)	p,m-Xylene	22.96	1781	28073M	55.23	PPB	99
43)	o-Xylene	23.69	1839	28711	56.50	PPB	95
44)	Styrene	23.71	1840	47358	54.90	PPB	98
45)	Bromoform	24.07	1869	18239	46.68	PPB	94

	Compound	R.T.	Scan#	Area	Conc	Units	q
46)	BROMOFLUOROBENZENE	24.62	1912	35658	43.69	PPB	69
47)	1,1,2,2-Tetrachloroethane	24.78	1925	33982	50.77	PPB	99
48)	1,3-Dichlorobenzene	26.36	2048	36503	54.44	PPB	96
49)	1,4-Dichlorobenzene	26.49	2059	44453	52.79	PPB	97
50)	1,2-Dichlorobenzene	27.13	2109	36576	54.82	PPB	99
51)	1,2-Dibromo-3-chloropropane	28.45	2214	4609	41.98	PPB	83

* Compound is ISTD

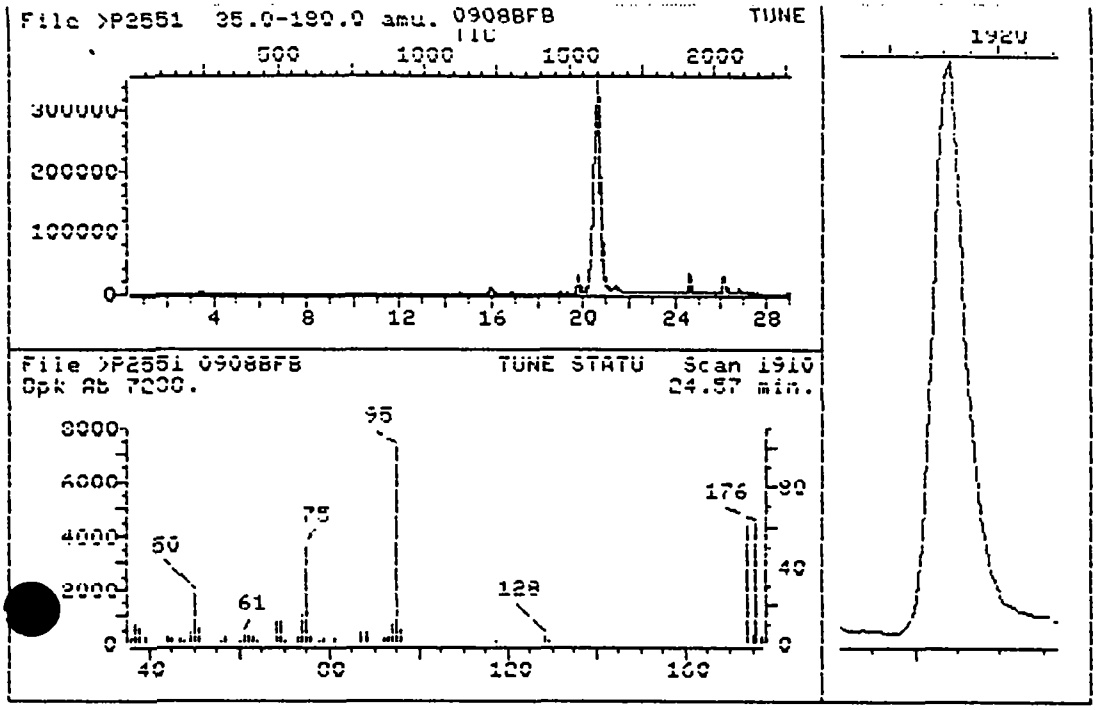
TOTAL ION CHROMATOGRAM



Data File: >P2539::D2 Quant Output File: ^P2539::D1
Name: 0908VSTD50
Misc: CONT CALIBRATION

Id File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940908 11:13
Injected at: 940908 10:43



FMGR : TUNER,=BFB

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	25.88	25.88	Ok
75	30-60% of mass 95	48.99	48.99	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.11	7.11	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	60.04	60.04	Ok
175	5-9% of mass 174	4.55	7.58	Ok
176	95-101% of mass 174	60.20	100.27	Ok
177	5-9% of mass 176	3.94	6.55	Ok

Injection Date: 09/08/94
Injection Time: 21:41
Data File: >P2551
Scan: 1910

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/08/94

Contractor: WEST PAINE Time: 23:23

Contract No: Laboratory ID: >P2553

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.69462	20.26		**	
Vinyl chloride	1.38028	1.62759	17.92	*		
Chloroethane	.70771	.91092	28.71			
Bromomethane	1.23891	1.48958	20.23			
Trichlorofluoromethane	2.40421	2.93104	21.91			
1,1-Dichloroethene	1.42145	1.58743	11.68	*		
Acrolein	.25936	-	-			(Conc=250.00)
Carbon disulfide	4.34677	5.09584	17.23			
Acetone	.36013	.31094	13.66			
Methylene chloride	1.83132	2.45852	34.25			
t-1,2-Dichloroethene	1.62841	1.86706	14.66			
Acrylonitrile	.28356	.27765	2.08			(Conc=250.00)
1,1-Dichloroethane	3.57120	4.04048	13.14		**	
Vinyl acetate	2.84778	3.06977	7.80			
cis-1,2-Dichloroethylene	7.09626	7.44934	4.98			
2-Butanone	.10056	.09924 ✓	1.32			(Conc=250.00)
Chloroform	3.47089	3.82232	10.13	*		
1,1,1-Trichloroethane	2.83614	2.91245	2.69			
Carbon tetrachloride	.55919	.59252	5.96			
1,2-DICHLOROETHANE-D4	.41185	.38108	7.47			
1,2-Dichloroethane	.47726	.51236	7.35			
Benzene	.97597	1.09330	12.02			
Trichloroethene	.38182	.42163	10.43			
1,2-Dichloropropane	.46228	.51278	10.92	*		
Bromodichloromethane	.68567	.74278	8.33			
2-Chloroethyl vinyl ether	.21188	.21201	.06			
c-1,3-Dichloropropene	.56950	.61222	7.50			
4-Methyl-2-pentanone	.43090	.43171	.19			
TOLUENE-D8	.88526	.84657	4.37			
Toluene	1.02946	1.12797	9.57	*		
t-1,3-Dichloropropene	.45209	.45543	.74			
1,1,2-Trichloroethane	.29089	.31740	9.11			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000664

Continuing Calibration Check
HSL Compounds

Case No:

Calibration Date: 09/08/94

Contractor: WEST PAINE

Time: 23:23

Contract No:

Laboratory ID: >P2553

Instrument ID: HP 5970 INST 1

Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.49637	23.47		
Dibromochloromethane	.64605	.68717	6.36		
2-Hexanone	.36311	.35755	1.53		
1,2-Dibromoethane (EDB)	.70304	.68322	2.82		
Chlorobenzene	.97983	1.08835	11.08		**
Ethyl benzene	.45162	.50517	11.86	*	
p,m-Xylene	.56669	.63696	12.40		
o-Xylene	.56658	.65463	15.54		
Styrene	.96176	1.09019	13.35		
Bromoform	.43566	.45718	4.94		**
BROMOFLUOROBENZENE	.91001	.83990	7.70		
1,1,2,2-Tetrachloroethane	.74629	.84902	13.77		**
1,3-Dichlorobenzene	.74767	.77603	3.79		
1,4-Dichlorobenzene	.93886	.95168	1.37		
1,2-Dichlorobenzene	.74387	.78175	5.09		
1,2-Dibromo-3-chloropropane	.12242	.11461	6.38		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000665

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2553::D1
Data File: >P2553::D2
Name: 09U7VSTD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940908 23:59
Injected at: 940908 23:23
Dilution Factor: 1.000000

ID File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

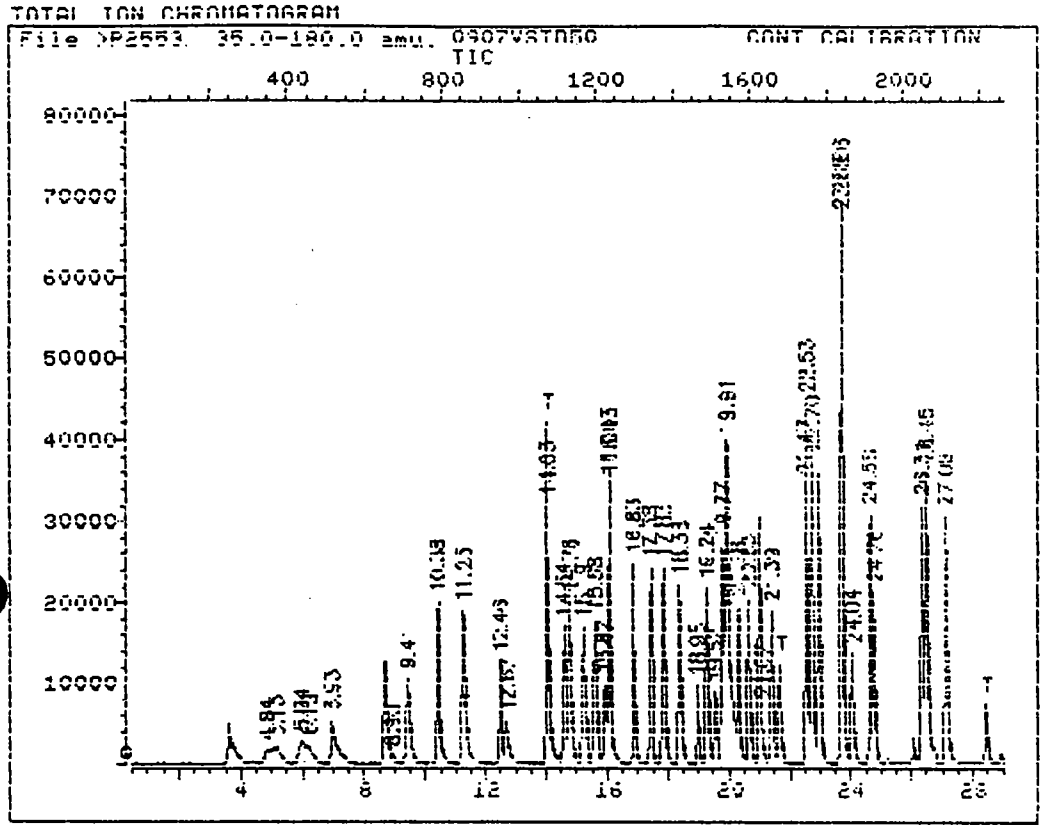
	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.54	1116	12427	50.00	PPB	80
2)	Chloromethane	4.84	347	21059	60.13	PPB	93
3)	Vinyl chloride	5.13	370	20226	58.96	PPB	92
4)	Chloroethane	6.19	454	11320	64.36	PPB	97
5)	Bromomethane	5.96	436	18511M	60.12	PPB	96
6)	Trichlorofluoromethane	6.33	513	36424	60.96	PPB	96
8)	1,1-Dichloroethene	8.66	650	19727	55.84	PPB	56
9)	Carbon disulfide	9.41	709	63326	58.62	PPB	95
10)	Acetone	8.95	673	3864M	43.17	PPB	97
11)	Methylene chloride	10.38	786	30552	67.12	PPB	78
12)	t-1,2-Dichloroethene	11.25	855	23202	57.33	PPB	60
13)	Acrylonitrile	11.16	848	17252	244.79	PPB	95
14)	1,1-Dichloroethane	12.46	951	50211	56.57	PPB	94
15)	Vinyl acetate	12.67	968	38148	53.90	PPB	88
16)	cis-1,2-Dichloroethylene	13.99	1072	92573	52.49	PPB	87
17)	2-Butanone	14.03	1075	6166	246.70	PPB	88
18)	Chloroform	14.76	1133	47500	55.06	PPB	96
19)	1,1,1-Trichloroethane	15.19	1167	36193	51.35	PPB	97
20)	*1,4-DIFLUOROBENZENE	16.83	1297	58639	50.00	PPB	87
21)	Carbon tetrachloride	15.58	1198	34745	52.98	PPB	97
22)	1,2-DICHLOROETHANE-D4	15.87	1221	22346	46.26	PPB	78
23)	1,2-Dichloroethane	16.03	1234	30044	53.68	PPB	97
24)	Benzene	16.01	1232	64110	56.01	PPB	100
25)	Trichloroethene	17.38	1341	24724	55.21	PPB	93
26)	1,2-Dichloropropane	17.83	1376	30069	55.46	PPB	98
27)	Bromodichloromethane	18.38	1420	43556	54.16	PPB	96
28)	2-Choloroethyl vinyl ether	18.95	1465	12432	50.03	PPB	96
29)	c-1,3-Dichloropropene	19.24	1488	35900	53.75	PPB	95
30)	4-Methyl-2-pentanone	19.52	1510	25315	50.09	PPB	86
31)	TOLUENE-D8	19.77	1530	49642	47.81	PPB	99
32)	Toluene	19.91	1541	66143	54.78	PPB	94
33)	t-1,3-Dichloropropene	20.28	1570	26706	50.37	PPB	96
34)	1,1,2-Trichloroethane	20.63	1598	18612	54.56	PPB	97
35)	*CHLOROBENZENE-D5	22.47	1744	42841	50.00	PPB	89
36)	Tetrachloroethene	20.95	1623	21265	38.27	PPB	97
37)	Dibromochloromethane	21.39	1658	29439	53.18	PPB	96
38)	2-Hexanone	21.07	1633	15318	48.24	PPB	92
39)	1,2-Dibromoethane (EDB)	21.63	1677	29270	48.58	PPB	92
40)	Chlorobenzene	22.53	1748	46626	55.54	PPB	93
41)	Ethyl benzene	22.70	1762	21642	55.93	PPB	96
42)	p,m-Xylene	22.92	1779	27288M	56.20	PPB	99
43)	o-Xylene	23.65	1837	28045	57.77	PPB	94
44)	Styrene	23.66	1838	46705	56.68	PPB	97

0000999

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	Bromoform	24.04	1868	19586	52.47	PPB	95
46)	BROMOFLUOROBENZENE	24.58	1911	35982	46.15	PPB	67
47)	1,1,2,2-Tetrachloroethane	24.76	1925	36373	56.88	PPB	97
48)	1,3-Dichlorobenzene	26.31	2048	33246	51.90	PPB	99
49)	1,4-Dichlorobenzene	26.45	2059	40771	50.68	PPB	99
50)	1,2-Dichlorobenzene	27.08	2109	33491	52.55	PPB	97
51)	1,2-Dibromo-3-chloropropane	28.41	2214	4910	46.81	PPB	78

* Compound is ISTD

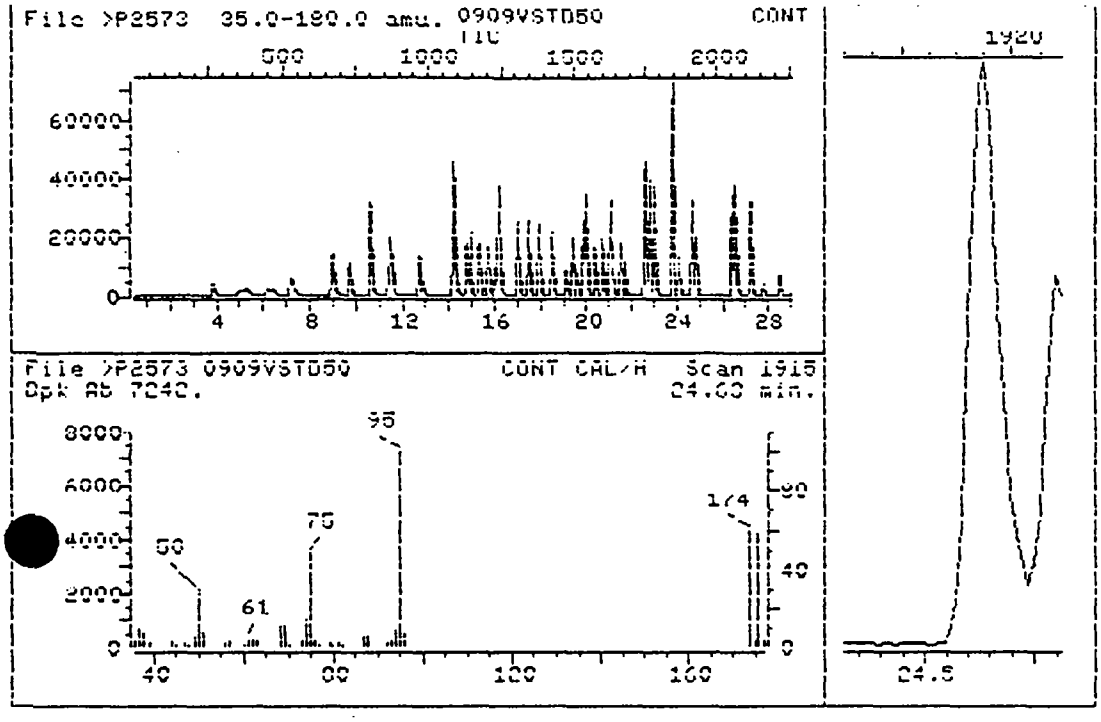
TOTAL ION CHROMATOGRAM



Data File: >P2553::D2 Quant Output File: ^P2553::D1
Name: 0907VSTD50
Misc: CONT CALIBRATION

Id File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940908 23:59
Injected at: 940908 23:23



FMGR : TUNER,=BFB

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	27.33	27.33	Ok
75	30-60% of mass 95	48.33	48.33	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.71	6.71	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	59.94	59.94	Ok
175	5-9% of mass 174	4.20	7.00	Ok
176	95-101% of mass 174	58.73	97.97	Ok
177	5-9% of mass 176	3.88	6.61	Ok

Injection Date: 09/09/94
Injection Time: 11:04
Data File: >P2573
Scan: 1915

Continuing Calibration Check
HSL Compounds

Case No: | Calibration Date: 09/09/94

Contractor: WEST MAINE | Time: 11:04

Contract No: | Laboratory ID: >MZ573

Instrument ID: HP 5970 INST 1 | Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.75200	24.33		**	
Vinyl chloride	1.38028	1.62698	17.87	*		
Chloroethane	.70771	1.00038	41.36			
Bromomethane	1.23891	1.56164	26.05			
Trichlorofluoromethane	2.40421	2.92801	21.79			
1,1-Dichloroethene	1.42145	1.64874	15.99	*		
Acrolein	.25936	-	-			(Conc=250.00)
Carbon disulfide	4.34677	4.86501	11.92			
Acetone	.36013	.30684	14.80			
Methylene chloride	1.83132	3.44742	88.25			
t-1,2-Dichloroethene	1.62841	1.92741	18.36			
Acrylonitrile	.28356	.24232	14.55			(Conc=250.00)
1,1-Dichloroethane	3.57120	4.02531	12.72		**	
Vinyl acetate	2.84778	2.60092	8.67			
cis-1,2-Dichloroethylene	7.09626	7.64088	7.67			
2-Butanone	.10056	.08317	17.30			(Conc=250.00)
Chloroform	3.47089	3.87045	11.51	*		
1,1,1-Trichloroethane	2.83614	2.90195	2.32			
Carbon tetrachloride	.55919	.54169	3.13			
1,2-DICHLOROETHANE-D4	.41185	.38837	5.70			
1,2-Dichloroethane	.47726	.52115	9.20			
Benzene	.97597	1.14617	17.44			
Trichloroethene	.38182	.43409	13.69			
1,2-Dichloropropane	.46228	.51831	12.12	*		
Bromodichloromethane	.68567	.73793	7.62			
2-Choloroethyl vinyl ether	.21188	.19025	10.21			
c-1,3-Dichloropropene	.56950	.59112	3.80			
4-Methyl-2-pentanone	.43090	.36666	14.91			
TOLUENE-D8	.88526	.83654	5.50			
Toluene	1.02946	1.16387	13.06	*		
t-1,3-Dichloropropene	.45209	.44646	1.25			
1,1,2-Trichloroethane	.29089	.30702	5.55			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000670

Continuing Calibration Check
HSL Compounds

Case No: | Calibration Date: 09/09/94

Contractor: WEST PRINE | Time: 11:04

Contract No: | Laboratory ID: >P2573

Instrument ID: HP 5970 INST 1 | Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 | Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.51990	19.84		
Dibromochloromethane	.64605	.63746	1.33		
2-Hexanone	.36311	.27617	23.94		
1,2-Dibromoethane (EDB)	.70304	.65867	6.31		
Chlorobenzene	.97983	1.07228	9.44		**
Ethyl benzene	.45162	.51038	13.01	*	
p,m-Xylene	.56669	.63728	12.46		
o-Xylene	.56658	.66776	17.86		
Styrene	.96176	1.09286	13.63		
Bromoform	.43566	.40973	5.95		**
BROMOFLUOROBENZENE	.91001	.83710	8.01		
1,1,2,2-Tetrachloroethane	.74629	.76886	3.02		**
1,3-Dichlorobenzene	.74767	.80020	7.03		
1,4-Dichlorobenzene	.93886	1.04157	10.94		
1,2-Dichlorobenzene	.74387	.82220	10.53		
1,2-Dibromo-3-chloropropane	.12242	.09928	18.90		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000671

QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940909 11:34
Output File: ^P2573::D1 Injected at: 940909 11:04
Data File: >P2573::A5 Dilution Factor: 1.000000
Name: 0909VSTD50
Misc: CONT CAL/HJP

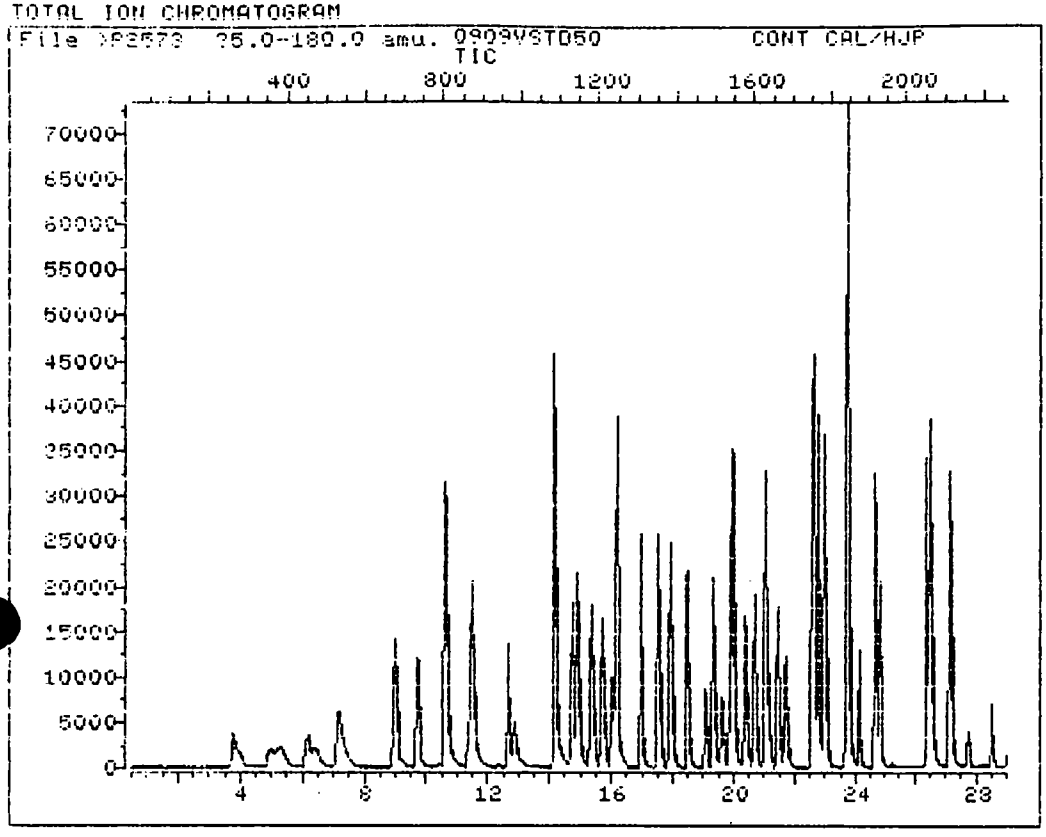
ID File: 1D1N01::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.69	1128	13238	50.00	PPB	78
2)	Chloromethane	4.38	358	23193	62.17	PPB	97
3)	Vinyl chloride	5.27	381	21538	58.94	PPB	94
4)	Chloroethane	6.44	474	13243	70.68	PPB	91
5)	Bromomethane	6.14	450	20673	63.02	PPB	93
6)	Trichlorofluoromethane	7.17	532	38761	60.89	PPB	97
8)	1,1-Dichloroethene	8.95	673	21826	58.00	PPB	57
9)	Carbon disulfide	9.67	730	64403	55.96	PPB	99
10)	Acetone	9.22	694	4062M	42.60	PPB	97
11)	Methylene chloride	10.62	805	45637	94.12	PPB	77
12)	t-1,2-Dichloroethene	11.48	873	25515	59.18	PPB	61
13)	Acrylonitrile	11.37	865	16039	213.64	PPB	95
14)	1,1-Dichloroethane	12.65	966	53287	56.36	PPB	94
15)	Vinyl acetate	12.85	982	34431	45.67	PPB	89
16)	cis-1,2-Dichloroethylene	14.14	1084	101150	53.84	PPB	86
17)	2-Butanone	14.18	1087	5505	206.76	PPB	89
18)	Chloroform	14.90	1144	51237	55.76	PPB	96
19)	1,1,1-Trichloroethane	15.31	1177	38416	51.16	PPB	98
20)	*1,4-DIFLUOROBENZENE	16.93	1305	59054	50.00	PPB	87
21)	Carbon tetrachloride	15.70	1208	31989	48.43	PPB	93
22)	1,2-DICHLOROETHANE-D4	15.98	1230	22935	47.15	PPB	78
23)	1,2-Dichloroethane	16.15	1243	30776	54.60	PPB	91
24)	Benzene	16.13	1242	67686	58.72	PPB	100
25)	Trichloroethene	17.49	1348	25635	56.85	PPB	91
26)	1,2-Dichloropropane	17.91	1383	30608	56.06	PPB	96
27)	Bromodichloromethane	18.45	1425	43578	53.81	PPB	97
28)	2-Choloroethyl vinyl ether	19.01	1470	11235	44.90	PPB	96
29)	c-1,3-Dichloropropene	19.30	1493	34908	51.90	PPB	95
30)	4-Methyl-2-pentanone	19.58	1515	21653	42.55	PPB	90
31)	TOLUENE-D8	19.83	1535	49401	47.25	PPB	94
32)	Toluene	19.97	1546	68731	56.53	PPB	95
33)	t-1,3-Dichloropropene	20.34	1575	26365	49.38	PPB	94
34)	1,1,2-Trichloroethane	20.68	1602	18131	52.77	PPB	88
35)	*CHLOROBENZENE-D5	22.52	1748	44549	50.00	PPB	91
36)	Tetrachloroethene	21.00	1627	23161	40.08	PPB	97
37)	Dibromochloromethane	21.44	1662	28398	49.33	PPB	99
38)	2-Hexanone	21.12	1637	12303	38.03	PPB	90
39)	1,2-Dibromoethane (EDB)	21.68	1681	29343	46.84	PPB	93
40)	Chlorobenzene	22.59	1753	47769	54.72	PPB	93
41)	Ethyl benzene	22.75	1766	22737	56.51	PPB	95
42)	p,m-Xylene	22.97	1783	28390M	56.23	PPB	99
43)	o-Xylene	23.70	1841	29748	58.93	PPB	97
44)	Styrene	23.71	1842	48686	56.82	PPB	96

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	Bromoform	24.09	1872	18253	47.02	PPB	90
46)	BROMOFLUOROBENZENE	24.63	1915	37292	45.99	PPB	72
47)	1,1,2,2-Tetrachloroethane	24.80	1928	34252	51.51	PPB	98
48)	1,3-Dichlorobenzene	26.36	2052	35648	53.51	PPB	96
49)	1,4-Dichlorobenzene	26.52	2064	46401	55.47	PPB	98
50)	1,2-Dichlorobenzene	27.15	2114	36628	55.26	PPB	97
51)	1,2-Dibromo-3-chloropropane	28.47	2219	4423	40.55	PPB	83

* Compound is ISTD

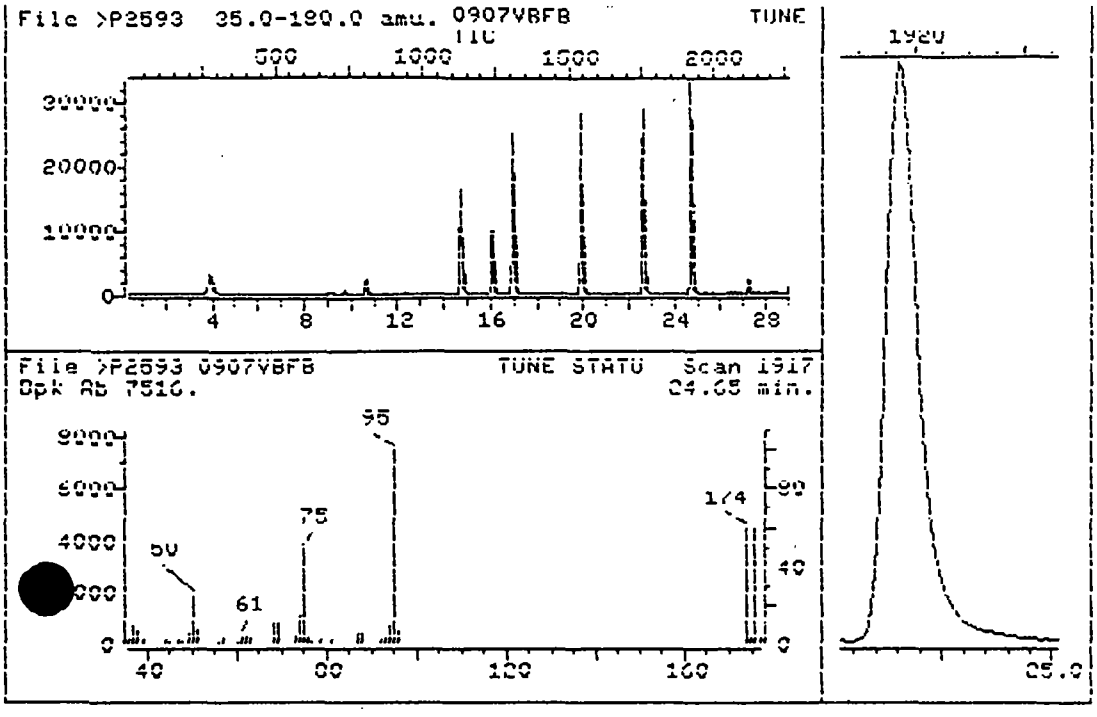
TOTAL ION CHROMATOGRAM



Data File: >P2573::A5 Quant Output File: ^P2573::D1
Name: 0909VSTD50
Misc: CONT CAL/HJP

Id File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940909 11:34
Injected at: 940909 11:04



FMGR : TUNER,=BFB

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	24.55	24.55	Ok
75	30-60% of mass 95	49.12	49.12	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.11	7.11	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	59.83	59.83	Ok
175	5-9% of mass 174	4.52	7.56	Ok
176	95-101% of mass 174	58.99	98.60	Ok
177	5-9% of mass 176	4.02	6.81	Ok

Injection Date: 09/10/94
Injection Time: 13:25
Data File: >P2593
Scan: 1917

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/10/94

Contractor: WEST PRINE Time: 14:12

Contract No: Laboratory ID: HP2595

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.72585	22.48		**	
Vinyl chloride	1.38028	1.67300	21.21	*		
Chloroethane	.70771	1.02720	45.14			
Bromomethane	1.23891	1.59352	28.62			
Trichlorofluoromethane	2.40421	3.00309	24.91			
1,1-Dichloroethene	1.42145	1.67957	18.16	*		
Acrolein	.25936	.00242	99.07			(Conc=250.00)
Carbon disulfide	4.34677	5.23762	20.49			
Acetone	.36013	.26108	27.50			
Methylene chloride	1.83132	2.76149	50.79			
t-1,2-Dichloroethene	1.62841	1.96810	20.86			
Acrylonitrile	.28356	.27998	1.26			(Conc=250.00)
1,1-Dichloroethane	3.57120	4.08281	14.33		**	
Vinyl acetate	2.84778	2.60432	8.55			
cis-1,2-Dichloroethylene	7.09626	7.83350	10.39			
2-Butanone	.10056	.07977	20.68			(Conc=250.00)
Chloroform	3.47089	3.80589	9.65	*		
1,1,1-Trichloroethane	2.83614	2.97914	5.04			
Carbon tetrachloride	.55919	.52180	6.69			
1,2-DICHLOROETHANE-D4	.41185	.38991	5.33			
1,2-Dichloroethane	.47776	.48128	.84			
Benzene	.97597	1.08255	10.92			
Trichloroethene	.38182	.41705	9.23			
1,2-Dichloropropane	.46228	.49853	7.84	*		
Bromodichloromethane	.68567	.70329	2.57			
2-Chloroethyl vinyl ether	.21188	.18563	12.39			
c-1,3-Dichloropropene	.56950	.57659	1.25			
4-Methyl-2-pentanone	.43090	.33557	22.12			
TOLUENE-D8	.88526	.90788	2.55			
Toluene	1.02946	1.14687	11.40	*		
t-1,3-Dichloropropene	.45209	.42408	6.20			
1,1,2-Trichloroethane	.29089	.29175	.29			

RF - Response Factor from daily standard file at 50.00 PPM

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

00000676

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/10/94

Contractor: WEST PAINE Time: 14:12

Contract No: Laboratory ID: >P2595

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.51881	20.00		
Dibromochloromethane	.64605	.62351	3.49		
2-Hexanone	.36311	.26243	27.73		
1,2-Dibromoethane (EDB)	.70304	.66783	5.01		
Chlorobenzene	.97983	1.06276	8.46		**
Ethyl benzene	.45162	.50564	11.96	*	
p,m-Xylene	.56669	.64518	13.85		
o-Xylene	.56658	.65138	14.97		
Styrene	.96176	1.05247	9.43		
Bromoform	.43566	.39474	9.39		**
BROMOFLUOROBENZENE	.91001	.91739	.81		
1,1,2,2-Tetrachloroethane	.74629	.71309	4.45		**
1,3-Dichlorobenzene	.74767	.82504	10.35		
1,4-Dichlorobenzene	.93886	1.04424	11.22		
1,2-Dichlorobenzene	.74387	.81129	9.06		
1,2-Dibromo-3-chloropropane	.12242	.09666	21.04		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000677

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2595::D1
Data File: >P2595::A5
Name: 0908VSTD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940910 14:42
Injected at: 940910 14:12
Dilution Factor: 1.00000

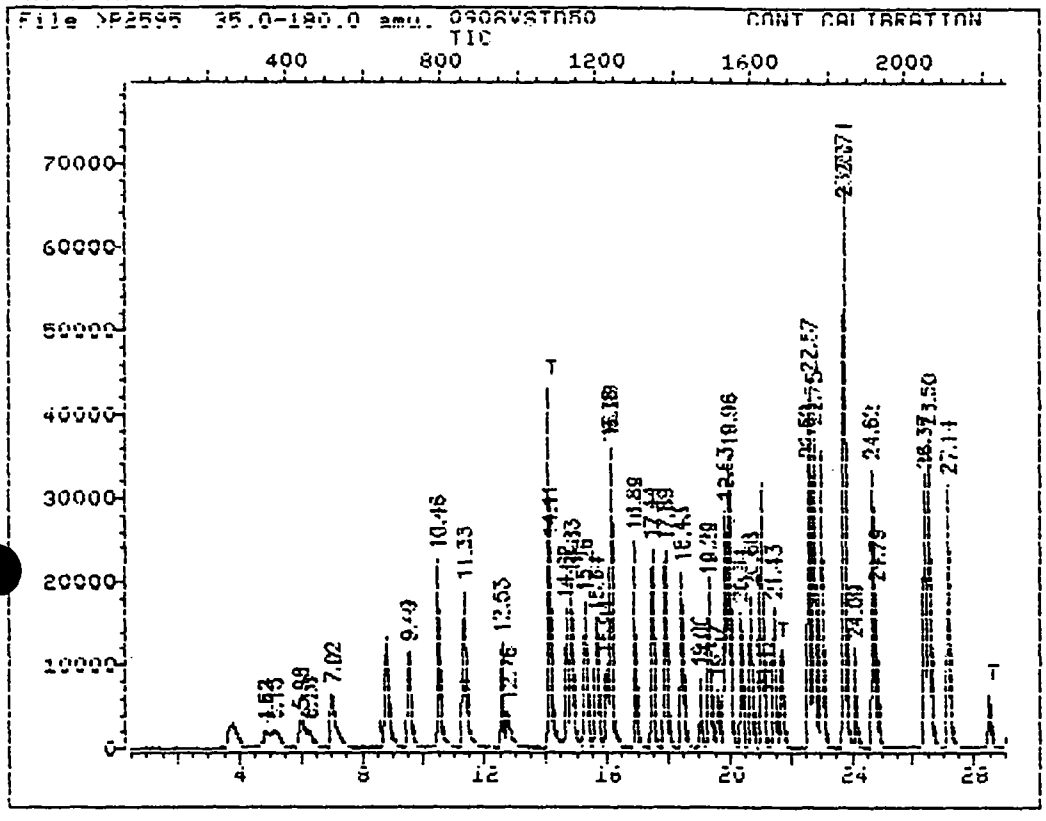
ID File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.62	1122	12318	50.00	PPB	70
2)	Chloromethane	4.82	346	21259	61.24	PPB	98
3)	Vinyl chloride	5.13	370	20608	60.60	PPB	94
4)	Chloroethane	6.26	460	12653	72.57	PPB	93
5)	Bromomethane	5.98	438	19629	64.31	PPB	94
6)	Trichlorofluoromethane	7.02	520	36992	62.45	PPB	98
7)	Acrolein	8.46	634	149	2.33	PPB	79
8)	1,1-Dichloroethene	8.76	658	20689	59.08	PPB	59
9)	Carbon disulfide	9.49	716	64517	60.25	PPB	97
10)	Acetone	9.03	679	3216M	36.25	PPB	
11)	Methylene chloride	10.46	793	34016	75.40	PPB	77
12)	t-1,2-Dichloroethene	11.33	862	24243	60.43	PPB	62
13)	Acrylonitrile	11.23	854	17244	246.84	PPB	96
14)	1,1-Dichloroethane	12.53	957	50292	57.16	PPB	93
15)	Vinyl acetate	12.76	975	32080	45.73	PPB	89
16)	cis-1,2-Dichloroethylene	14.06	1078	96493	55.19	PPB	88
17)	2-Butanone	14.11	1082	4913	198.31	PPB	89
18)	Chloroform	14.83	1139	46881	54.83	PPB	94
19)	1,1,1-Trichloroethane	15.26	1173	36697	52.52	PPB	92
20)	*1,4-DIFLUOROBENZENE	16.89	1302	58400	50.00	PPB	91
21)	Carbon tetrachloride	15.64	1203	30473	46.66	PPB	95
22)	1,2-DICHLOROETHANE-D4	15.94	1227	22771	47.34	PPB	80
23)	1,2-Dichloroethane	16.09	1239	28107	50.42	PPB	92
24)	Benzene	16.08	1238	63221	55.46	PPB	100
25)	Trichloroethene	17.44	1346	24356	54.61	PPB	94
26)	1,2-Dichloropropane	17.89	1381	29114	53.92	PPB	97
27)	Bromodichloromethane	18.43	1424	41072	51.28	PPB	96
28)	2-Choloroethyl vinyl ether	19.00	1469	10841	43.81	PPB	89
29)	c-1,3-Dichloropropene	19.29	1492	33673	50.62	PPB	93
30)	4-Methyl-2-pentanone	19.57	1514	19597	38.94	PPB	90
31)	TOLUENE-D8	19.83	1535	53020	51.28	PPB	99
32)	Toluene	19.96	1545	66977	55.70	PPB	98
33)	t-1,3-Dichloropropene	20.34	1575	24766	46.90	PPB	96
34)	1,1,2-Trichloroethane	20.68	1602	17038	50.15	PPB	94
35)	*CHLOROBENZENE-D5	22.52	1748	43056	50.00	PPB	90
36)	Tetrachloroethene	20.99	1627	22338	40.00	PPB	97
37)	Dibromochloromethane	21.43	1662	26846	48.26	PPB	99
38)	2-Hexanone	21.12	1637	11299	36.14	PPB	98
39)	1,2-Dibromoethane (EDB)	21.67	1681	28754	47.50	PPB	93
40)	Chlorobenzene	22.57	1752	45758	54.23	PPB	95
41)	Ethyl benzene	22.75	1766	21771	55.98	PPB	96
42)	p,m-Xylene	22.96	1783	27779M	56.93	PPB	99
43)	o-Xylene	23.70	1841	28046	57.48	PPB	96

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	Styrene	23.71	1842	45315	54.72	PPB	98
45)	Bromoform	24.09	1872	16996	45.30	PPB	94
46)	BROMOFLUOROBENZENE	24.62	1914	39499	50.41	PPB	72
47)	1,1,2,2-Tetrachloroethane	24.79	1928	30703	47.78	PPB	96
48)	1,3-Dichlorobenzene	26.37	2053	35523	55.17	PPB	94
49)	1,4-Dichlorobenzene	26.50	2063	44961	55.61	PPB	98
50)	1,2-Dichlorobenzene	27.14	2114	34931	54.53	PPB	92
51)	1,2-Dibromo-3-chloropropane	28.47	2219	4162	39.48	PPB	80

* Compound is ISTD

TOTAL ION CHROMATOGRAM



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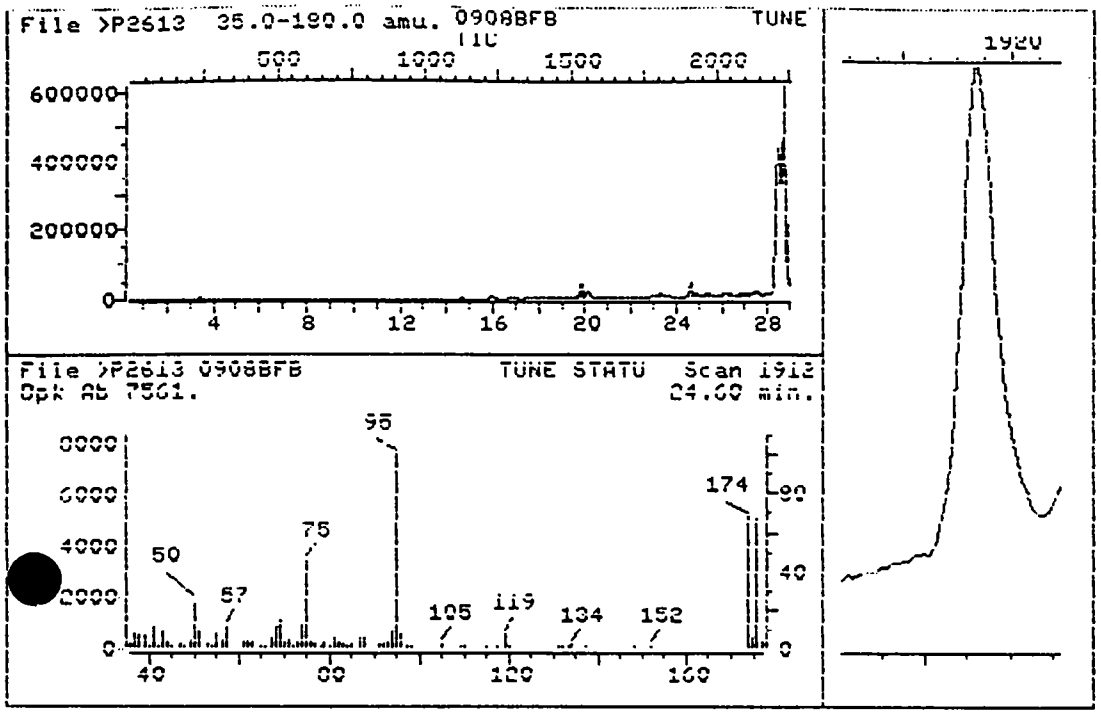
Name: 0908VSTD50
Misc: CONT CALIBRATION

Id File: IDINW1::A3
Title: VOA IDFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940910 14:42
Injected at: 940910 14:12



FMGR : TUNER,=BFB

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	23.40	23.40	Ok
75	30-60% of mass 95	45.68	45.68	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	8.15	8.15	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	67.83	67.83	Ok
175	5-9% of mass 174	5.05	7.45	Ok
176	95-101% of mass 174	67.05	98.85	Ok
177	5-9% of mass 176	4.46	6.65	Ok

Injection Date: 09/11/94
Injection Time: 12:31
Data File: >P2613
Scan: 1912

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/11/94

Contractor: WEST PAINE Time: 13:24

Contract No: Laboratory ID:)P2614

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.45524	/ 3.27		**	
Vinyl chloride	1.38028	1.40274	1.63	*		
Chloroethane	.70771	.84145	18.90			
Bromomethane	1.23891	1.30728	5.52			
Trichlorofluoromethane	2.48421	2.58164	7.38			
1,1-Dichloroethene	1.42145	1.45051	2.04	*		
Acrolein	.25936	.00513	98.02			(Conc=250.00)
Carbon disulfide	4.34677	4.59881	5.80			
Acetone	.36013	.26489	26.45			
Methylene chloride	1.83132	1.95803	6.92			
t-1,2-Dichloroethene	1.62841	1.69370	4.01			
Acrylonitrile	.28356	.25402	10.42			(Conc=250.00)
1,1-Dichloroethane	3.57120	3.62708	1.56		**	
Vinyl acetate	2.84778	2.72437	4.33			
cis-1,2-Dichloroethylene	7.09626	6.94538	2.13			
2-Butanone	.10056	.08987	10.63			(Conc=250.00)
Chloroform	3.47089	3.53543	1.86	*		
1,1,1-Trichloroethane	2.83614	2.62686	7.38			
Carbon tetrachloride	.55919	.69471	24.23			
1,2-DICHLOROETHANE-D4	.41185	.39142	4.96			
1,2-Dichloroethane	.47726	.46691	2.17			
Benzene	.97597	1.02487	5.01			
Trichloroethene	.38182	.39999	4.76			
1,2-Dichloropropane	.46228	.48092	4.03	*		
Bromodichloromethane	.68567	.70153	2.31			
2-Chloroethyl vinyl ether	.21188	.20268	4.34			
c-1,3-Dichloropropene	.56950	.57831	1.55			
4-Methyl-2-pentanone	.43098	.40257	6.58			
TOLUENE-D8	.88526	.87435	1.23			
Toluene	1.02946	1.05242	2.23	*		
t-1,3-Dichloropropene	.45209	.43772	3.18			
1,1,2-Trichloroethane	.29089	.30920	6.29			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000582

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/11/94

Contractor: WEST MAINE Time: 13:24

Contract No: Laboratory ID: >M2614

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.44943	30.70		
Dibromochloromethane	.64605	.57648	10.77		
2-Hexanone	.36311	.58519	61.16		
1,2-Dibromoethane (EDB)	.70304	.63780	9.28		
Chlorobenzene	.97983	.93628	4.44		**
Ethyl benzene	.45162	.44344	1.81	*	
p,m-Xylene	.56669	.57109	.78		
o-Xylene	.56658	.58052	2.46		
Styrene	.96176	.96462	.30		
Bromoform	.43566	.37093	14.86		**
BROMOFLUOROBENZENE	.91001	.83960	7.74		
1,1,2,2-Tetrachloroethane	.74629	.71509	4.18		**
1,3-Dichlorobenzene	.74767	.73805	1.29		
1,4-Dichlorobenzene	.93886	.87676	6.61		
1,2-Dichlorobenzene	.74387	.74704	.43		
1,2-Dibromo-3-chloropropane	.12242	.10324	15.66		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000683

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2614::D1
Data File: >P2614::A5
Name: 0908V5TD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940911 13:54
Injected at: 940911 13:24
Dilution Factor: 1.00000

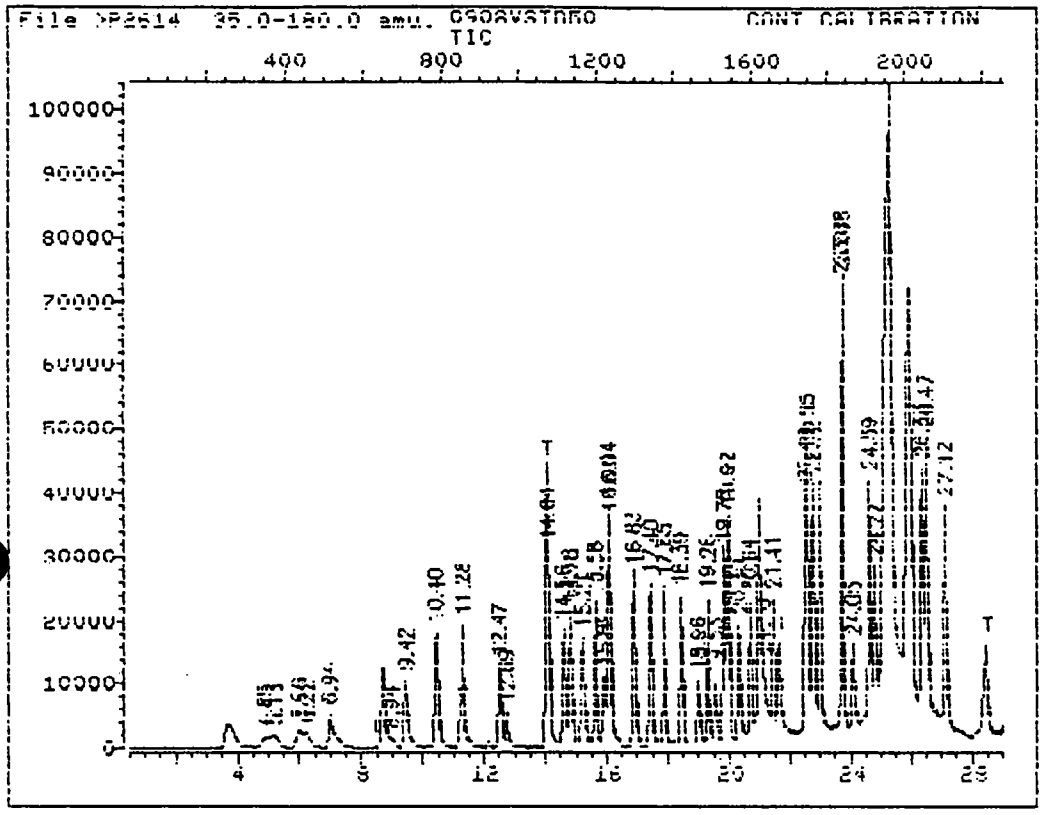
ID File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.56	1116	14153	50.00	PPB	74
2)	Chloromethane	4.85	347	20596	51.64	PPB	92
3)	Vinyl chloride	5.16	371	19853	50.81	PPB	91
4)	Chloroethane	6.22	455	11909	59.45	PPB	92
5)	Bromomethane	5.96	435	18502	52.76	PPB	93
6)	Trichlorofluoromethane	6.54	512	36538	53.69	PPB	95
7)	Acrolein	8.39	627	363	4.94	PPB	90
8)	1,1-Dichloroethene	8.69	651	20529	51.02	PPB	58
9)	Carbon disulfide	9.42	709	65087	52.90	PPB	97
10)	Acetone	8.94	671	3749	36.78	PPB	91
11)	Methylene chloride	10.40	786	27712	53.46	PPB	79
12)	t-1,2-Dichloroethene	11.28	856	23971	52.81	PPB	62
13)	Acrylonitrile	11.17	847	17976	223.96	PPB	96
14)	1,1-Dichloroethane	12.47	950	51334	50.78	PPB	91
15)	Vinyl acetate	12.69	968	38558	47.83	PPB	88
16)	cis-1,2-Dichloroethylene	13.39	1071	98298	48.94	PPB	88
17)	2-Butanone	14.04	1075	6360	223.43	PPB	89
18)	Chloroform	14.78	1133	50037	50.93	PPB	99
19)	1,1,1-Trichloroethane	15.21	1167	37178	46.31	PPB	95
20)	*1,4-DIFLUOROBENZENE	16.83	1296	64402	50.00	PPB	88
21)	Carbon tetrachloride	15.58	1197	44741	62.12	PPB	96
22)	1,2-DICHLOROETHANE-D4	15.89	1221	25208	47.52	PPB	81
23)	1,2-Dichloroethane	16.05	1234	30070	48.92	PPB	98
24)	Benzene	16.04	1233	66004	52.51	PPB	100
25)	Trichloroethene	17.40	1341	25760	52.38	PPB	96
26)	1,2-Dichloropropane	17.85	1376	30972	52.02	PPB	95
27)	Bromodichloromethane	18.39	1419	45180	51.16	PPB	96
28)	2-Choloroethyl vinyl ether	18.96	1464	13053	47.83	PPB	91
29)	c-1,3-Dichloropropene	19.26	1488	37244	50.77	PPB	96
30)	4-Methyl-2-pentanone	19.53	1509	25926	46.71	PPB	88
31)	TOLUENE-D8	19.78	1529	56310	49.38	PPB	99
32)	Toluene	19.92	1540	67778	51.12	PPB	90
33)	t-1,3-Dichloropropene	20.30	1570	28190	48.41	PPB	97
34)	1,1,2-Trichloroethane	20.64	1597	19913	53.15	PPB	92
35)	*CHLOROBENZENE-D5	22.49	1743	51209	50.00	PPB	95
36)	Tetrachloroethene	20.97	1623	23015	34.65	PPB	98
37)	Dibromochloromethane	21.41	1658	29521	44.62	PPB	98
38)	2-Hexanone	21.10	1633	29967	80.58	PPB	78
39)	1,2-Dibromoethane (EDB)	21.64	1676	32661	45.36	PPB	92
40)	Chlorobenzene	22.55	1748	47946	47.78	PPB	95
41)	Ethyl benzene	22.72	1761	22708	49.09	PPB	96
42)	p,m-Xylene	22.93	1778	29245M	50.39	PPB	99
43)	o-Xylene	23.67	1836	29728	51.23	PPB	94

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	Styrene	23.68	1837	49397	50.15	PPB	95
45)	Bromoform	24.05	1866	18995	42.57	PPB	97
46)	BROMOFLUOROBENZENE	24.59	1909	42995	46.13	PPB	74
47)	1,1,2,2-Tetrachloroethane	24.77	1923	36619	47.91	PPB	97
48)	1,3-Dichlorobenzene	26.33	2046	37795	49.36	PPB	98
49)	1,4-Dichlorobenzene	26.47	2057	44898	46.69	PPB	97
50)	1,2-Dichlorobenzene	27.12	2108	38255	50.21	PPB	99
51)	1,2-Dibromo-3-chloropropane	28.43	2212	5287	42.17	PPB	79

* Compound is ISTD

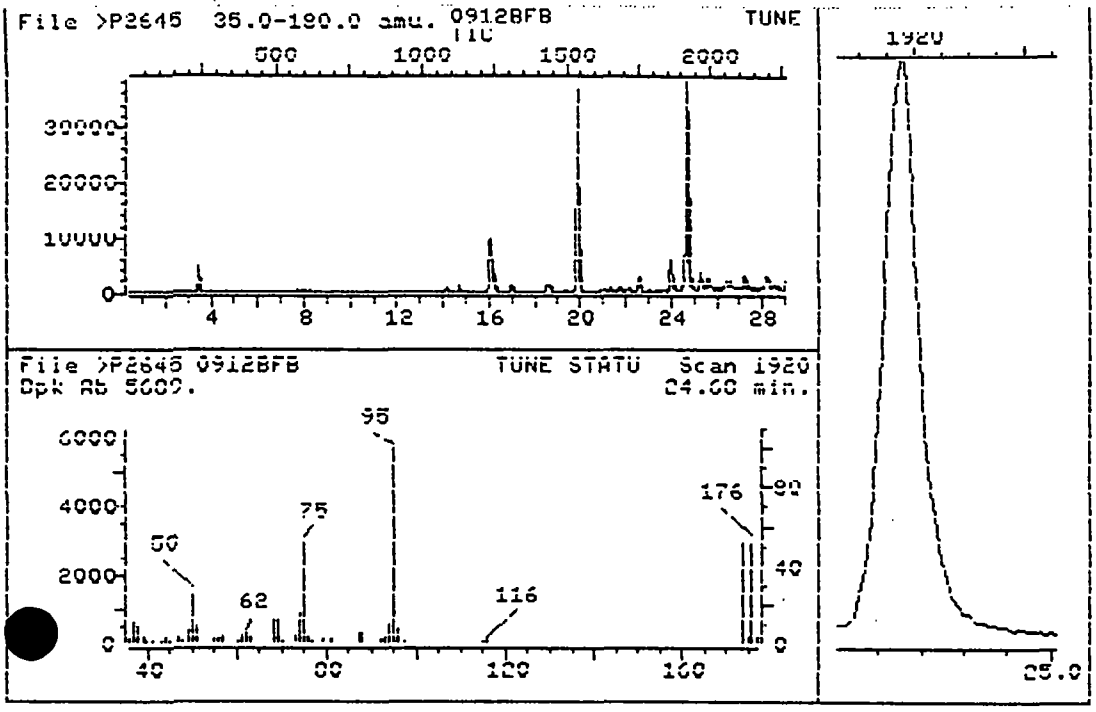
TOTAL ION CHROMATOGRAM



Data File: >P2614::A5 Quant Output File: ^P2614::D1
Name: 0908VSTD50
Misc: CONT CALIBRATION

Id File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940911 13:54
Injected at: 940911 13:24



FMGR : TUNER,=BFB

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	26.60	26.60	Ok
75	30-60% of mass 95	52.14	52.14	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.24	7.24	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	52.72	52.72	Ok
175	5-9% of mass 174	3.99	7.57	Ok
176	95-101% of mass 174	53.24	101.00	Ok
177	5-9% of mass 176	3.39	6.37	Ok

Injection Date: 09/12/94
Injection Time: 08:10
Data File: >P2645
Scan: 1920

0000687

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/12/94

Contractor: WEST PAINE Time: 08:45

Contract No: Laboratory ID: >P2646

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Chloromethane	1.40912	1.62425	15.27		**	
Vinyl chloride	1.38028	1.55767	12.85	*		
Chloroethane	.70771	1.00577	42.12			
Bromomethane	1.23891	1.51277	22.11			
Trichlorofluoromethane	2.40421	2.84622	18.39			
1,1-Dichloroethene	1.42145	1.59695	12.35	*		
Acrolein	.25936	-	-			(Conc=250.00)
Carbon disulfide	4.34677	4.90548	12.85			
Acetone	.36013	.26455	26.54			
Methylene chloride	1.83132	2.06074	12.53			
t-1,2-Dichloroethene	1.62841	1.86509	14.53			
Acrylonitrile	.28356	.24831	12.43			(Conc=250.00)
1,1-Dichloroethane	3.57120	3.78359	5.95		**	
Vinyl acetate	2.84778	2.35506	17.30			
cis-1,2-Dichloroethylene	7.09626	7.33162	3.32			
2-Butanone	.10056	.07815	22.29			(Conc=250.00)
Chloroform	3.47089	3.62348	4.40	*		
1,1,1-Trichloroethane	2.83614	2.84812	.42			
Carbon tetrachloride	.55919	.53925	3.57			
1,2-DICHLOROETHANE-D4	.41185	.40853	.81			
1,2-Dichloroethane	.47726	.47856	.27			
Benzene	.97597	1.08679	11.35			
Trichloroethene	.38182	.41525	8.76			
1,2-Dichloropropane	.46228	.51541	11.49	*		
Bromodichloromethane	.68567	.69360	1.16			
2-Chloroethyl vinyl ether	.21188	.18701	11.74			
c-1,3-Dichloropropene	.56950	.56855	.17			
4-Methyl-2-pentanone	.43090	.33524	22.20			
TOLUENE-D8	.88526	.97589	10.24			
Toluene	1.02946	1.13811	10.55	*		
t-1,3-Dichloropropene	.45209	.43353	4.11			
1,1,2-Trichloroethane	.29089	.29265	.60			

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000688

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 09/12/94

Contractor: WEST PAINE Time: 08:45

Contract No: Laboratory ID: >P2646

Instrument ID: HP 5970 INST 1 Initial Calibration Date: 08/26/94

Minimum $\overline{RF}$ for SPCC is 0.30 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Tetrachloroethene	.64855	.47223	27.19		
Dibromochloromethane	.64685	.58052	10.14		
2-Hexanone	.36311	.25688	29.26		
1,2-Dibromoethane (EDB)	.70304	.60796	13.52		
Chlorobenzene	.97983	.99222	1.27		**
Ethyl benzene	.45162	.47920	6.11	*	
p,m-Xylene	.56669	.60952	7.56		
o-Xylene	.56658	.62180	9.75		
Styrene	.96176	1.01805	5.85		
Bromoform	.43566	.37170	14.68		**
BROMOFLUOROBENZENE	.91001	.98433	8.17		
1,1,2,2-Tetrachloroethane	.74629	.68032	8.84		**
1,3-Dichlorobenzene	.74767	.79392	6.19		
1,4-Dichlorobenzene	.93886	.96104	2.36		
1,2-Dichlorobenzene	.74387	.76165	2.39		
1,2-Dibromo-3-chloropropane	.12242	.09216	24.71		

RF - Response Factor from daily standard file at 50.00 PPB

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

0000689

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2646::D1
Data File: >P2646::A5
Name: 0912VSTD50
Misc: CONT CALIBRATION

Quant Rev: 6 Quant Time: 940912 09:15
Injected at: 940912 08:45
Dilution Factor: 1.00000

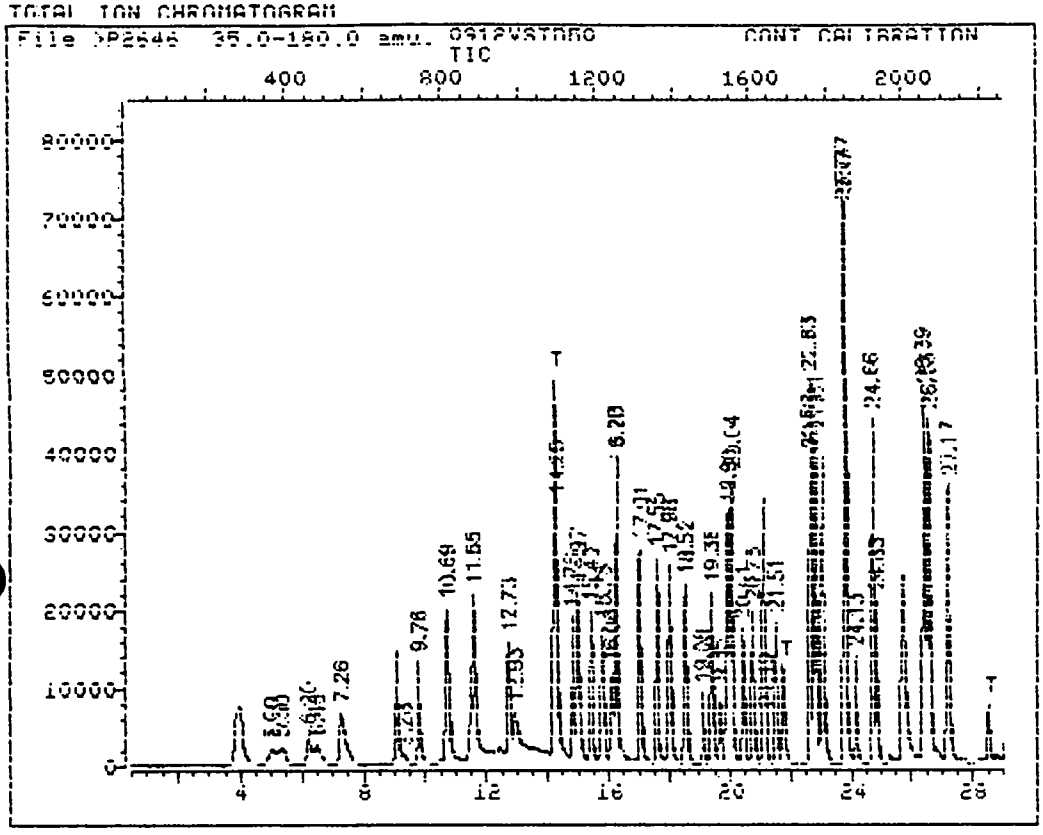
ID File: 1DINW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.76	1133	14209	50.00	PPB	76
2)	Chloromethane	5.00	360	23079	57.63	PPB	91
3)	Vinyl chloride	5.30	384	22133	56.43	PPB	97
4)	Chloroethane	6.48	477	14291	71.06	PPB	94
5)	Bromomethane	6.20	455	21495	61.05	PPB	92
6)	Trichlorofluoromethane	7.26	539	40442	59.19	PPB	97
8)	1,1-Dichloroethene	9.04	680	22691	56.17	PPB	56
9)	Carbon disulfide	9.76	737	69702	56.43	PPB	97
10)	Acetone	9.28	699	3759	36.73	PPB	90
11)	Methylene chloride	10.69	811	29281	56.26	PPB	75
12)	t-1,2-Dichloroethene	11.55	879	26501	57.27	PPB	61
13)	Acrylonitrile	11.45	871	17641	218.92	PPB	95
14)	1,1-Dichloroethane	12.73	972	53761	52.97	PPB	96
15)	Vinyl acetate	12.93	988	33463	41.35	PPB	89
16)	cis-1,2-Dichloroethylene	14.22	1090	104175	51.66	PPB	85
17)	2-Butanone	14.25	1093	5552	194.27	PPB	85
18)	Chloroform	14.97	1150	51486	52.20	PPB	96
19)	1,1,1-Trichloroethane	15.40	1184	40469	50.21	PPB	97
20)	*1,4-DIFLUOROBENZENE	17.01	1311	63212	50.00	PPB	87
21)	Carbon tetrachloride	15.78	1214	34087	48.22	PPB	98
22)	1,2-DICHLOROETHANE-D4	16.06	1236	25824	49.60	PPB	76
23)	1,2-Dichloroethane	16.23	1249	30251	50.14	PPB	95
24)	Benzene	16.20	1247	68698	55.68	PPB	101
25)	Trichloroethene	17.55	1354	26249	54.38	PPB	91
26)	1,2-Dichloropropane	17.98	1388	32580	55.75	PPB	98
27)	Bromodichloromethane	18.52	1431	43844	50.58	PPB	97
28)	2-Choloroethyl vinyl ether	19.08	1475	11821	44.13	PPB	91
29)	c-1,3-Dichloropropene	19.38	1499	35939	49.92	PPB	95
30)	4-Methyl-2-pentanone	19.65	1520	21191	38.90	PPB	88
31)	TOLUENE-D8	19.90	1540	61688	55.12	PPB	96
32)	Toluene	20.04	1551	71942	55.28	PPB	94
33)	t-1,3-Dichloropropene	20.41	1580	27414	47.95	PPB	91
34)	1,1,2-Trichloroethane	20.75	1607	18499	50.30	PPB	97
35)	*CHLOROBENZENE-D5	22.58	1752	50791	50.00	PPB	91
36)	Tetrachloroethene	21.08	1633	23985	36.41	PPB	98
37)	Dibromochloromethane	21.51	1667	29485	44.93	PPB	96
38)	2-Hexanone	21.19	1642	13047	35.37	PPB	91
39)	1,2-Dibromoethane (EDB)	21.75	1686	30879	43.74	PPB	89
40)	Chlorobenzene	22.63	1756	50396	50.63	PPB	92
41)	Ethyl benzene	22.81	1770	24339	53.05	PPB	96
42)	p,m-Xylene	23.02	1787	30958M	53.78	PPB	97
43)	o-Xylene	23.74	1844	31582	54.87	PPB	97
44)	Styrene	23.77	1846	51708	52.93	PPB	95

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	Bromoform	24.13	1875	18879	42.66	PPB	94
46)	BROMOFLUOROBENZENE	24.66	1917	49995	54.08	PPB	70
47)	1,1,2,2-Tetrachloroethane	24.83	1930	34554	45.58	PPB	96
48)	1,3-Dichlorobenzene	26.39	2054	40324	53.09	PPB	97
49)	1,4-Dichlorobenzene	26.53	2065	48812	51.18	PPB	99
50)	1,2-Dichlorobenzene	27.17	2115	38685	51.20	PPB	97
51)	1,2-Dibromo-3-chloropropane	28.50	2221	4681	37.64	PPB	80

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2646::A5 Quant Output File: ^P2646::D1
Name: 0912VSTD50
Misc: CONT CALIBRATION

Id File: 1D1NW1::A3
Title: VOA 1DFILE
Last Calibration: 940826 14:24

Operator ID: BUBBA
Quant Time: 940912 09:15
Injected at: 940912 08:45

0000691A

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 08/28/94

Lab File ID : >G6396 Time Analyzed: 00:19

	0827VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	10763		3.94		60502	4.64		51958	7.00	
	UPPER LIMIT	21526		4.44		121004	5.14		103916	7.50	
	LOWER LIMIT	5381.5		3.44		30251	4.14		25979	6.50	
	SAMPLE NO.										
01	0827VBLK	10058		4.07		55522	4.76		48939	7.04	
02	9408260039	10075		4.07		57063	4.77		50849	7.05	
03	9408260053	10322		4.09		56497	4.78		50080	7.06	
04	9408260038	9877		4.08		52613	4.78		47782	7.06	
05	9408260031	9525		4.08		50379	4.79		46070	7.06	
06	9408260040	9724		4.08		51953	4.78		47518	7.06	
07	9408260030	9088		4.08		48079	4.78		44172	7.05	
08	9408260034	9498		4.08		52248	4.78		47484	7.05	
09	9408260049	9186		4.08		50821	4.79		46738	7.05	
10	9408260050	9128		4.08		51835	4.79		47125	7.06	
11	9408260032	9283		4.08		51300	4.77		46733	7.05	
12	9408260033	9532		4.08		53371	4.78		48408	7.05	
13	9408260037	9735		4.08		54362	4.78		48511	7.04	
14	9408260041	9625		4.07		53963	4.77		48465	7.04	
15		*		*		*	*		*	*	
16		*		*		*	*		*	*	
17		*		*		*	*		*	*	
18		*		*		*	*		*	*	
19		*		*		*	*		*	*	
20		*		*		*	*		*	*	
21		*		*		*	*		*	*	
22		*		*		*	*		*	*	

	QC LIMITS
IS1 (BCM) = Bromochloromethane	(84-138)
IS2 (DFB) = 1,4-Difluorobenzene	(59-113)
IS3 (CBZ) = Chlorobenzene-d5	(70-121)

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 THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/03/94

Lab File ID : >P2421 Time Analyzed: 11:29

	0903VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	12933		14.69		60694	16.93		49188	22.52	
	UPPER LIMIT	25866		15.19		121388	17.43		98376	23.02	
	LOWER LIMIT	6467		14.19		30347	16.43		24594	22.02	
	SAMPLE NO.										
01	0903VBLK	11605		14.68		55084	16.92		43987	22.52	
02	9408260024	11924		14.69		57147	16.95		42884	22.54	
03	9408260025	8563		14.70		40359	16.93		33739	22.52	
04	9408260027	10547		14.70		49353	16.94		39794	22.54	
05	9408260028	12476		14.70		57738	16.95		45102	22.53	
06	9408260042	12404		14.71		56535	16.96		44667	22.54	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
10		*		*		*	*		*	*	
11		*		*		*	*		*	*	
12		*		*		*	*		*	*	
13		*		*		*	*		*	*	
14		*		*		*	*		*	*	
15		*		*		*	*		*	*	
16		*		*		*	*		*	*	
17		*		*		*	*		*	*	
18		*		*		*	*		*	*	
19		*		*		*	*		*	*	
20		*		*		*	*		*	*	
21		*		*		*	*		*	*	
22		*		*		*	*		*	*	

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/06/94

Lab File ID : >P2465 Time Analyzed: 6:18

	0906VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	13203		14.77		63759	17.01		47919	22.60	
	UPPER LIMIT	26406		15.27		127518	17.51		95838	23.1	
	LOWER LIMIT	6602		14.27		31880	16.51		23959.5	22.1	
	SAMPLE NO.										
01	0906VBLK	12068		14.71		57398	16.96		42800	22.53	
02	9408260035MS	12938		14.61		59921	16.90		46598	22.53	
03	9408260036MSD	12858		14.73		61617	16.97		49870	22.57	
04	9408260051MS	12795		14.74		60971	16.96		46490	22.54	
05	9408260052MSD	12871		14.73		60248	16.99		46937	22.56	
06	9408260045	12380		14.71		59315	16.96		46969	22.55	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
10		*		*		*	*		*	*	
11		*		*		*	*		*	*	
12		*		*		*	*		*	*	
13		*		*		*	*		*	*	
14		*		*		*	*		*	*	
15		*		*		*	*		*	*	
16		*		*		*	*		*	*	
17		*		*		*	*		*	*	
18		*		*		*	*		*	*	
19		*		*		*	*		*	*	
20		*		*		*	*		*	*	
21		*		*		*	*		*	*	
22		*		*		*	*		*	*	

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/06/94

Lab File ID : >P2483 Time Analyzed: 17:30

	0906VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	12077		14.69		54555	16.94		41004	22.53	
	UPPER LIMIT	24154		15.19		109110	17.44		82008	23.03	
	LOWER LIMIT	6039		14.19		27278	16.44		20502	22.03	
	SAMPLE NO.										
01	0906VBLK	11551		14.68		52169	16.91		40081	22.53	
02	9408260043	11773		14.71		55617	16.96		46778	22.55	
03		*		*		*	*		*	*	
04		*		*		*	*		*	*	
05		*		*		*	*		*	*	
06		*		*		*	*		*	*	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
10		*		*		*	*		*	*	
11		*		*		*	*		*	*	
12		*		*		*	*		*	*	
13		*		*		*	*		*	*	
14		*		*		*	*		*	*	
15		*		*		*	*		*	*	
16		*		*		*	*		*	*	
17		*		*		*	*		*	*	
18		*		*		*	*		*	*	
19		*		*		*	*		*	*	
20		*		*		*	*		*	*	
21		*		*		*	*		*	*	
22		*		*		*	*		*	*	

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/08/94

Lab File ID : >P2539 Time Analyzed: 11:13

	0908VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	12803		14.60		60518	16.88		44844	22.52	
	UPPER LIMIT	25606		15.10		121036	17.38		89688	23.02	
	LOWER LIMIT	6402		14.10		30259	16.38		22422	22.02	
	SAMPLE NO.										
01	0907VBLK	11232		14.70		51404	16.96		38708	22.53	
02	0905BLK	11946		14.57		55532	16.85		40914	22.49	
03	9408260040	11709		14.64		54198	16.88		40177	22.47	
04	9408260046	10319		14.68		50687	16.92		36641	22.51	
05		*		*		*	*		*	*	
06		*		*		*	*		*	*	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
10		*		*		*	*		*	*	
11		*		*		*	*		*	*	
12		*		*		*	*		*	*	
13		*		*		*	*		*	*	
14		*		*		*	*		*	*	
15		*		*		*	*		*	*	
16		*		*		*	*		*	*	
17		*		*		*	*		*	*	
18		*		*		*	*		*	*	
19		*		*		*	*		*	*	
20		*		*		*	*		*	*	
21		*		*		*	*		*	*	
22		*		*		*	*		*	*	

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/09/94

Lab File ID : >P2573 Time Analyzed: 11:34

	0909VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	13238		14.69		59054	16.93		44549	22.52	
	UPPER LIMIT	26476		15.19		118108	17.43		89098	23.02	
	LOWER LIMIT	6619		14.19		29527	16.43		22274.5	22.02	
	SAMPLE NO.										
01	0909VBLK	12490		14.69		56947	16.94		42714	22.55	
02	9408260030	11413		14.59		50576	16.85		38615	22.50	
03	9408260039	13537		14.59		60500	16.85		45367	22.50	
04		*		*		*	*		*	*	
05		*		*		*	*		*	*	
06		*		*		*	*		*	*	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
10		*		*		*	*		*	*	
11		*		*		*	*		*	*	
12		*		*		*	*		*	*	
13		*		*		*	*		*	*	
14		*		*		*	*		*	*	
15		*		*		*	*		*	*	
16		*		*		*	*		*	*	
17		*		*		*	*		*	*	
18		*		*		*	*		*	*	
19		*		*		*	*		*	*	
20		*		*		*	*		*	*	
21		*		*		*	*		*	*	
22		*		*		*	*		*	*	

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/08/94

Lab File ID : >P2553 Time Analyzed: 23:23

	0907VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	12427		14.54		58639	16.83		42841	22.47	
	UPPER LIMIT	24854		15.04		117278	17.33		85682	22.97	
	LOWER LIMIT	6214		14.04		29320	16.33		21421	21.97	
	SAMPLE NO.										
01	0908BLK	11852		14.60		55037	16.86		41159	22.50	
02	9408260053	13316		14.74		61056	16.99		46497	22.57	
03	9408260049	12566		14.72		57213	16.95		44111	22.54	
04	9408260041	12479		14.62		57919	16.89		43788	22.52	
05	9408260048	13756		14.62		63402	16.88		47862	22.52	
06		*		*		*	*		*	*	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
10		*		*		*	*		*	*	
11		*		*		*	*		*	*	
12		*		*		*	*		*	*	
13		*		*		*	*		*	*	
14		*		*		*	*		*	*	
15		*		*		*	*		*	*	
16		*		*		*	*		*	*	
17		*		*		*	*		*	*	
18		*		*		*	*		*	*	
19		*		*		*	*		*	*	
20		*		*		*	*		*	*	
21		*		*		*	*		*	*	
22		*		*		*	*		*	*	

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/10/94

Lab File ID : >P2595 Time Analyzed: 14:42

	0908VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	12318		14.62		58400	16.89		43056	22.52	
	UPPER LIMIT	24636		15.12		116800	17.39		86112	23.02	
	LOWER LIMIT	6159		14.12		29200	16.39		21528	22.02	
	SAMPLE NO.										
01	0907VBLK	11981		14.73		58992	16.97		43910	22.55	
02	9408260032	12526		14.73		57051	16.96		44186	22.55	
03	9408260033	12736		14.73		57523	16.96		44627	22.55	
04	9408260034	11798		14.74		56502	16.96		46050	22.57	
05	9408260037	12248		14.73		56407	16.98		45718	22.55	
06		*		*		*	*		*	*	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
10		*		*		*	*		*	*	
11		*		*		*	*		*	*	
12		*		*		*	*		*	*	
13		*		*		*	*		*	*	
14		*		*		*	*		*	*	
15		*		*		*	*		*	*	
16		*		*		*	*		*	*	
17		*		*		*	*		*	*	
18		*		*		*	*		*	*	
19		*		*		*	*		*	*	
20		*		*		*	*		*	*	
21		*		*		*	*		*	*	
22		*		*		*	*		*	*	

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/11/94

Lab File ID : >P2614 Time Analyzed: 13:54

	0908VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	14153		14.56		64402	16.83		51209	22.49	
	UPPER LIMIT	28306		15.06		128804	17.33		102418	22.99	
	LOWER LIMIT	7077		14.06		32201	16.33		25604.5	21.99	
	SAMPLE NO.										
01	0911VBLK	12718		14.56		59760	16.82		43470	22.46	
02	9408260052MSD	13597		14.68		62361	16.92		48009	22.52	
03	9408260035MS	13749		14.70		66201	16.95		55379	22.54	
04	9408260036MSD	12946		14.72		60669	16.95		49256	22.53	
05		*		*		*	*		*	*	
06		*		*		*	*		*	*	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
10		*		*		*	*		*	*	
11		*		*		*	*		*	*	
12		*		*		*	*		*	*	
13		*		*		*	*		*	*	
14		*		*		*	*		*	*	
15		*		*		*	*		*	*	
16		*		*		*	*		*	*	
17		*		*		*	*		*	*	
18		*		*		*	*		*	*	
19		*		*		*	*		*	*	
20		*		*		*	*		*	*	
21		*		*		*	*		*	*	
22		*		*		*	*		*	*	

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

VOLATILE INTERNAL STANDARD AND RT SUMMARY

Lab Name: INCHCAPE TESTING SERVICES

Lab Code: LA024 Group No.: Date Analyzed: 09/12/94

Lab File ID : >P2646 Time Analyzed: 8:45

	0912VSTD50	IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	RT	#	IS3 (CBZ) AREA	RT	#
	12 HOUR STD	14209		14.76		63212	17.01		50791	22.58	
	UPPER LIMIT	28418		15.26		126424	17.51		101582	23.08	
	LOWER LIMIT	7105		14.26		31606	16.51		25395.5	22.08	
	SAMPLE NO.										
01	0912VBLK	13834		14.74		62466	16.97		49970	22.58	
02	9408260038	13128		14.63		58420	16.90		44283	22.53	
03	9408260051MS	13140		14.71		57860	16.94		47453	22.54	
04	9408260050	13118		14.72		62398	16.96		52280	22.54	
05	9408260031	13047		14.59		57130	16.86		43085	22.52	
06		*		*		*	*		*	*	
07		*		*		*	*		*	*	
08		*		*		*	*		*	*	
09		*		*		*	*		*	*	
10		*		*		*	*		*	*	
11		*		*		*	*		*	*	
12		*		*		*	*		*	*	
13		*		*		*	*		*	*	
14		*		*		*	*		*	*	
15		*		*		*	*		*	*	
16		*		*		*	*		*	*	
17		*		*		*	*		*	*	
18		*		*		*	*		*	*	
19		*		*		*	*		*	*	
20		*		*		*	*		*	*	
21		*		*		*	*		*	*	
22		*		*		*	*		*	*	

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% OF INTERNAL STANDARD AREA
AREA LOWER LIMIT = -50% OF INTERNAL STANDARD AREA
RT UPPER LIMIT = +0.50 MINUTES OF INTERNAL STANDARD RT
RT LOWER LIMIT = _ 0.50 MINUTES OF THE INTERNAL STANDARD RT

Column to be used to flag recovery values

* Values outside required QC limits

QUANT REPORT

Operator ID: JULES
Output File: ^G6400::A2
Data File: >G6400::A4
Name: 0827VBLK
Misc: METHOD BLANK/HJP

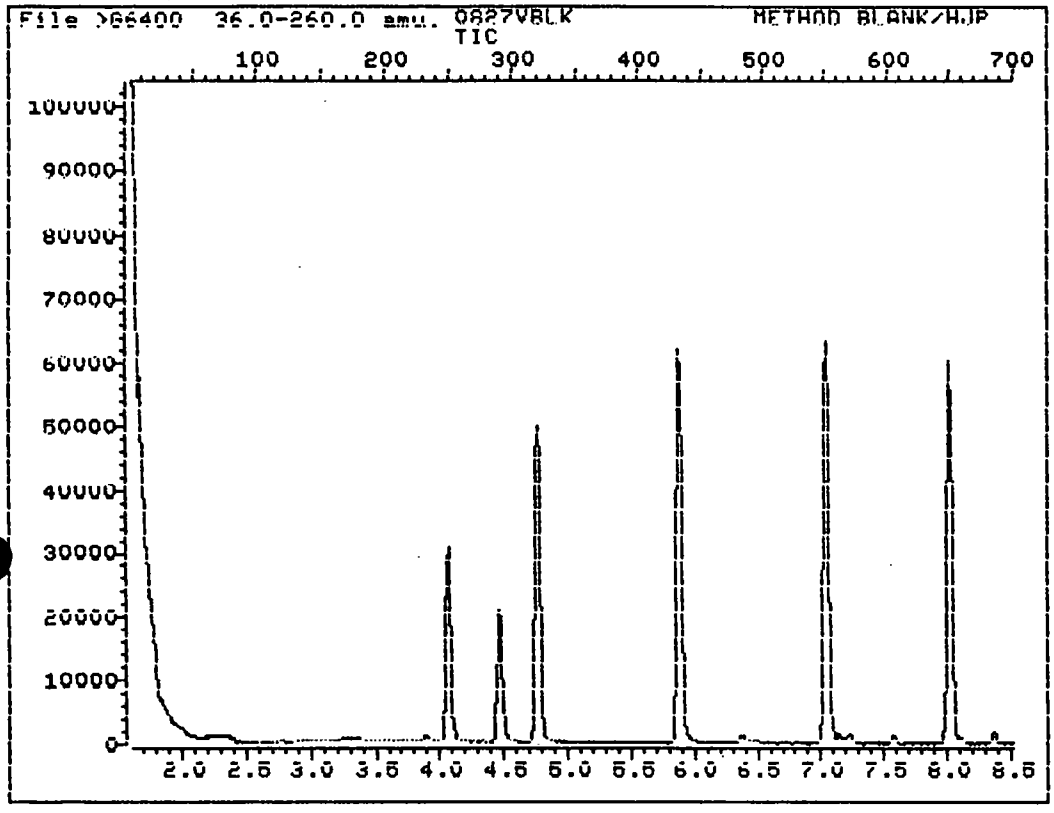
Quant Rev: 6 Quant Time: 940828 01:29
Injected at: 940828 01:20
Dilution Factor: 1.00000

ID File: IDINW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	4.07	250	10058	50.00	ug/L	78
20)	*1,4-DIFLUOROBENZENE	4.76	320	55522	50.00	ug/L	93
22)	1,2-DICHLOROETHANE-D4	4.47	290	19656	52.88	ug/L	84
31)	TOLUENE-D8	5.88	433	59391	55.27	ug/L	99
35)	*CHLOROBENZENE-D5	7.04	551	48939	50.00	ug/L	95
46)	4-BROMOFLUOROBENZENE	8.02	650	33891	51.91	ug/L	96

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >G6400::A4 Quant Output File: ^G6400::A2
Name: 0827VBLK
Misc: METHOD BLANK/HJP

Id File: ID1NW2::A3
Title: VOA IDFILE
Last Calibration: 940828 01:25

Operator ID: JULES
Quant Time: 940828 01:29
Injected at: 940828 01:20

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2422::D1
Data File: >P2422::D2
Name: 0903VBLK
Misc: METHOD BLANK

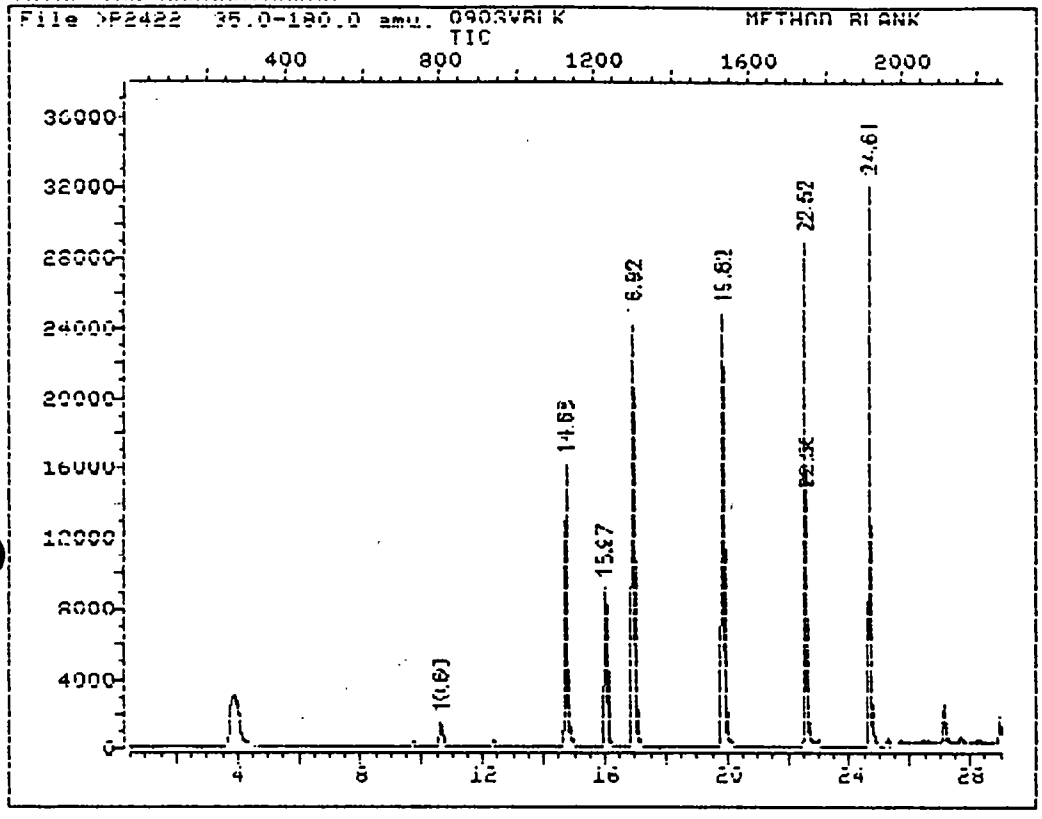
Quant Rev: 6 Quant Time: 940903 12:41
Injected at: 940903 12:04
Dilution Factor: 1.00000

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.68	1127	11605	50.00	PPB	76
11)	Methylene chloride	10.60	804	1961	4.53	PPB	76
20)	*1,4-DIFLUOROBENZENE	16.92	1304	55084	50.00	PPB	86
22)	1,2-DICHLOROETHANE-D4	15.97	1229	19936	47.66	PPB	78
31)	TOLUENE-D8	19.82	1534	46071	50.84	PPB	96
35)	*CHLOROBENZENE-D5	22.52	1748	43987	50.00	PPB	89
40)	Chlorobenzene	22.56	1751	1246	1.64	PPB	88
46)	BROMOFLUOROBENZENE	24.61	1914	38696	51.23	PPB	70

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2422::D2 Quant Output File: ^P2422::D1
Name: 0903VBLK
Misc: METHOD BLANK

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940903 12:39

Operator ID: BUBBA
Quant Time: 940903 12:41
Injected at: 940903 12:04

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2466::D1
Data File: >P2466::D2
Name: 0906VBLK
Misc: METHOD BLANK

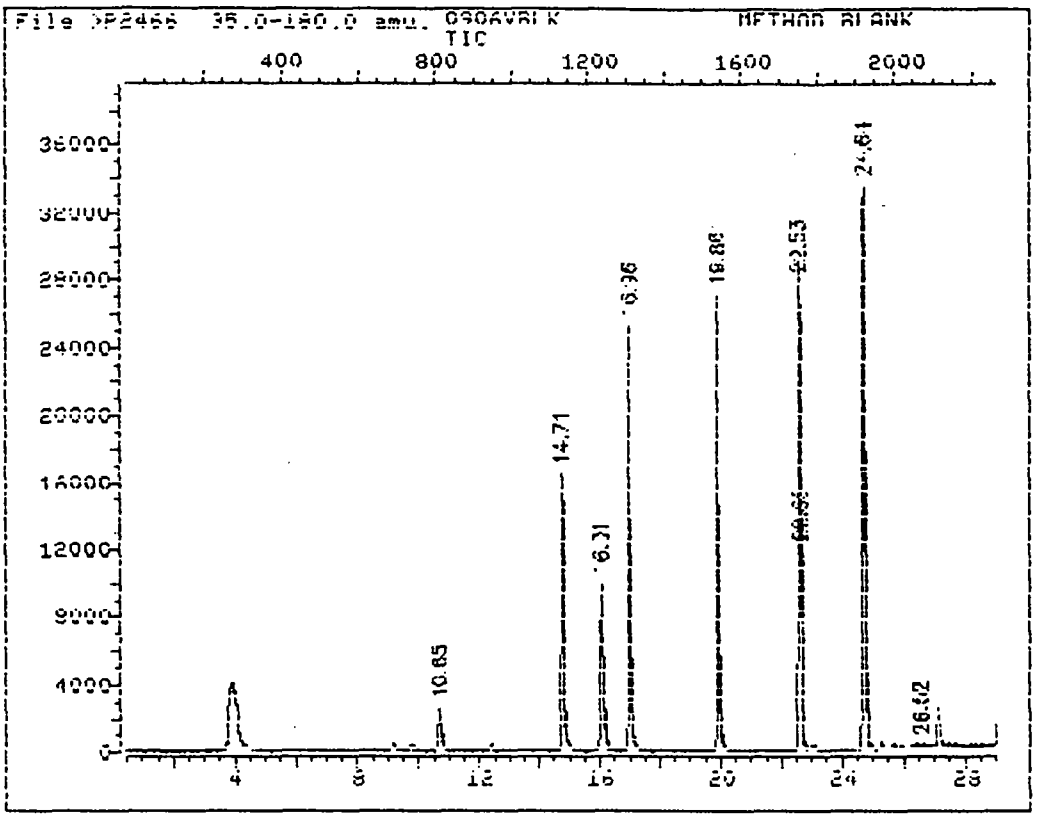
Quant Rev: 6 Quant Time: 940906 07:23
Injected at: 940906 06:53
Dilution Factor: 1.00000

ID File: IDCCN1::A3
Title: VOA IDFILE
Last Calibration: 940906 06:11

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.71	1129	12068	50.00	PPB	76
11)	Methylene chloride	10.65	807	3443	7.93	PPB	72
20)	*1,4-DIFLUOROBENZENE	16.96	1307	57398	50.00	PPB	87
22)	1,2-DICHLOROETHANE-D4	16.01	1232	21116	47.13	PPB	79
31)	TOLUENE-D8	19.86	1537	49900	50.59	PPB	97
35)	*CHLOROBENZENE-D5	22.53	1749	42800	50.00	PPB	91
40)	Chlorobenzene	22.60	1754	1034	1.26	PPB	99
46)	BROMOFLUOROBENZENE	24.64	1916	40734	54.81	PPB	67
48)	1,3-Dichlorobenzene	26.52	2065	148	.24	PPB	91
49)	1,4-Dichlorobenzene	26.52	2065	148	.20	PPB	91

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2466::D2
Name: 0906VBLK
Misc: METHOD BLANK

Quant Output File: ^P2466::D1

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 06:11

Operator ID: BUBBA
Quant Time: 940906 07:23
Injected at: 940906 06:53

50 50ms 50msD
50 51ms 52msD

0000707

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2484::D1
Data File: >P2484::D2
Name: 0906VBLK PM
Misc: METHOD BLANK

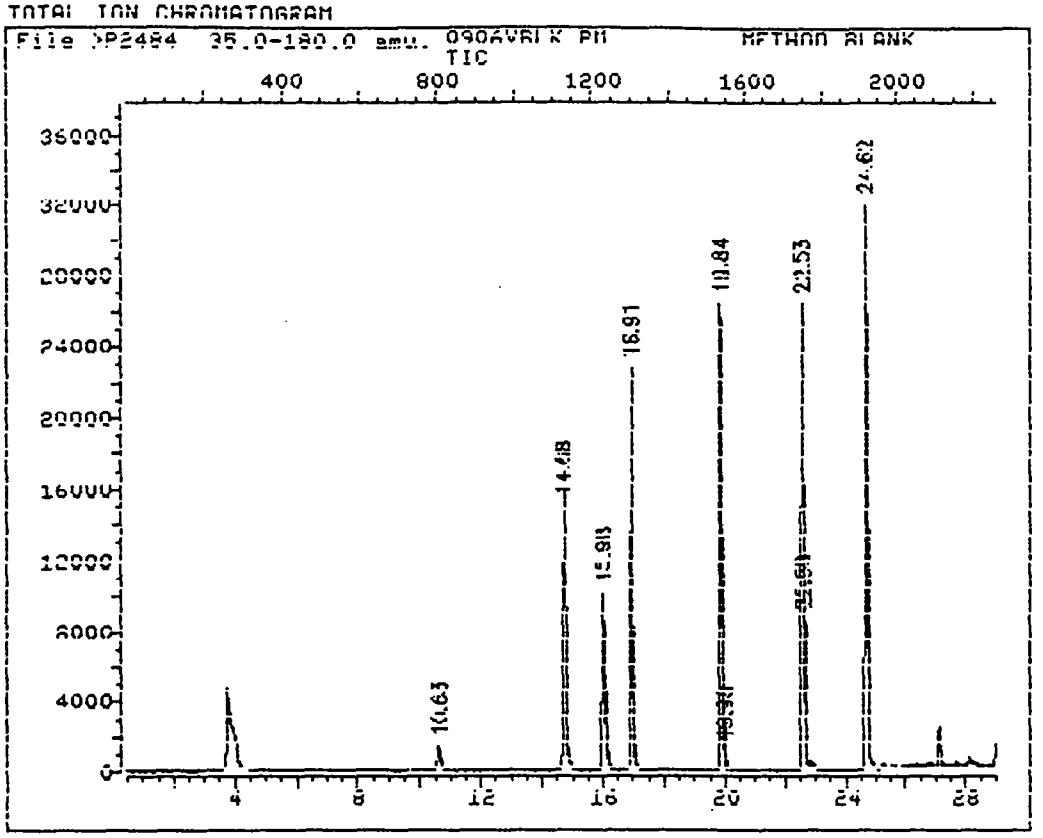
Quant Rev: 6 Quant Time: 940906 18:38
Injected at: 940906 18:06
Dilution Factor: 1.00000

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 18:30

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.68	1126	11551	50.00	PPB	74
11)	Methylene chloride	10.63	805	2017	4.07	PPB	81
20)	*1,4-DIFLUOROBENZENE	16.91	1303	52169	50.00	PPB	88
22)	1,2-DICHLOROETHANE-D4	15.98	1229	21344	47.03	PPB	77
31)	TOLUENE-D8	19.84	1535	48791	48.70	PPB	97
32)	Toluene	19.98	1546	348	.27	PPB	96
35)	*CHLOROBENZENE-D5	22.53	1748	40081	50.00	PPB	91
40)	Chlorobenzene	22.59	1753	1306	1.42	PPB	88
46)	BROMOFLUOROBENZENE	24.62	1914	38995	47.76	PPB	71

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2484::D2 Quant Output File: ^P2484::D1
Name: 0906VBLK PM
Misc: METHOD BLANK

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 18:30

Operator ID: BUBBA
Quant Time: 940906 18:38
Injected at: 940906 18:06

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2540::D1
Data File: >P2540::D2
Name: 090790BLK
Misc: METHOD BLANK

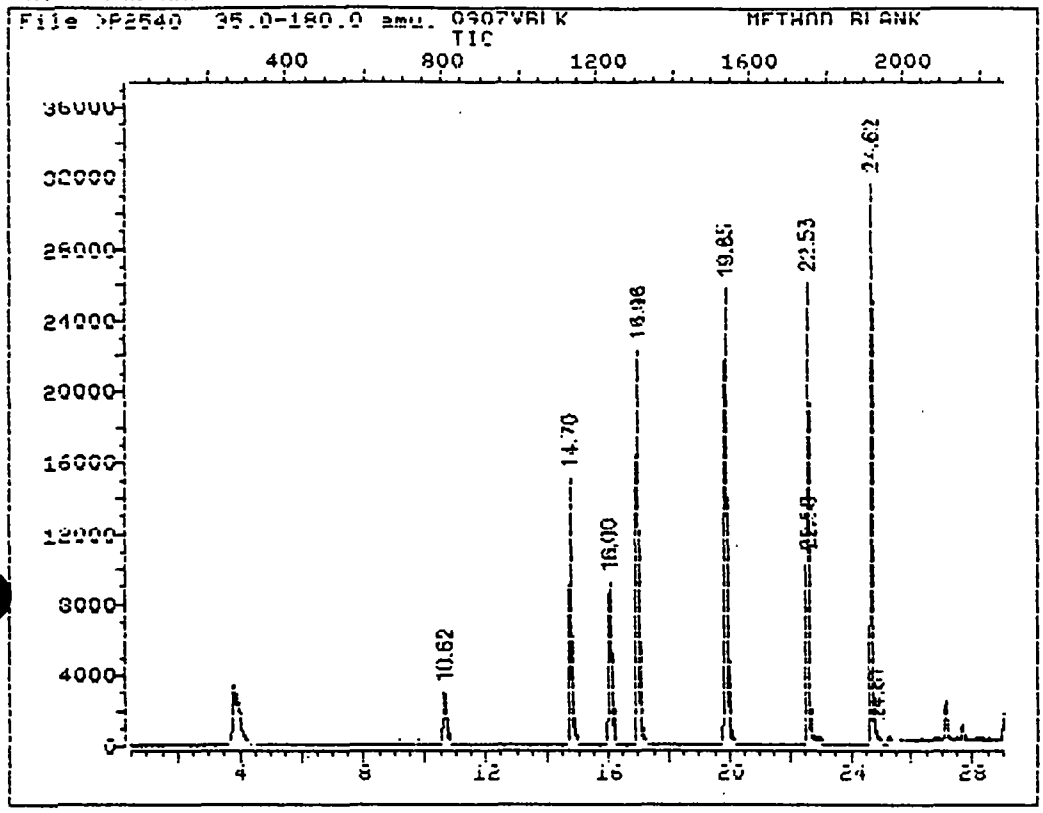
Quant Rev: 6 Quant Time: 940908 11:54
Injected at: 940908 11:18
Dilution Factor: 1.00000

ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940908 11:52

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.70	1128	11232	50.00	PPB	72
11)	Methylene chloride	10.62	805	4303	7.29	PPB	78
20)	*1,4-DIFLUOROBENZENE	16.96	1307	51404	50.00	PPB	88
22)	1,2-DICHLOROETHANE-D4	16.80	1231	20634	58.04	PPB	79
31)	TOLUENE-D8	19.85	1536	48575	61.80	PPB	96
35)	*CHLOROBENZENE-D5	22.53	1749	38708	50.00	PPB	88
40)	Chlorobenzene	22.58	1753	1154	1.41	PPB	99
46)	BROMOFLUOROBENZENE	24.62	1914	38163	62.00	PPB	71
47)	1,1,2,2-Tetrachloroethane	24.81	1929	333	.57	PPB	90

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2540::D2 Quant Output File: ^P2540::D1
Name: 0907VBLK
Misc: METHOD BLANK

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940908 11:52

Operator ID: BOBBA
Quant Time: 940908 11:54
Injected at: 940908 11:18

QUANT REPORT

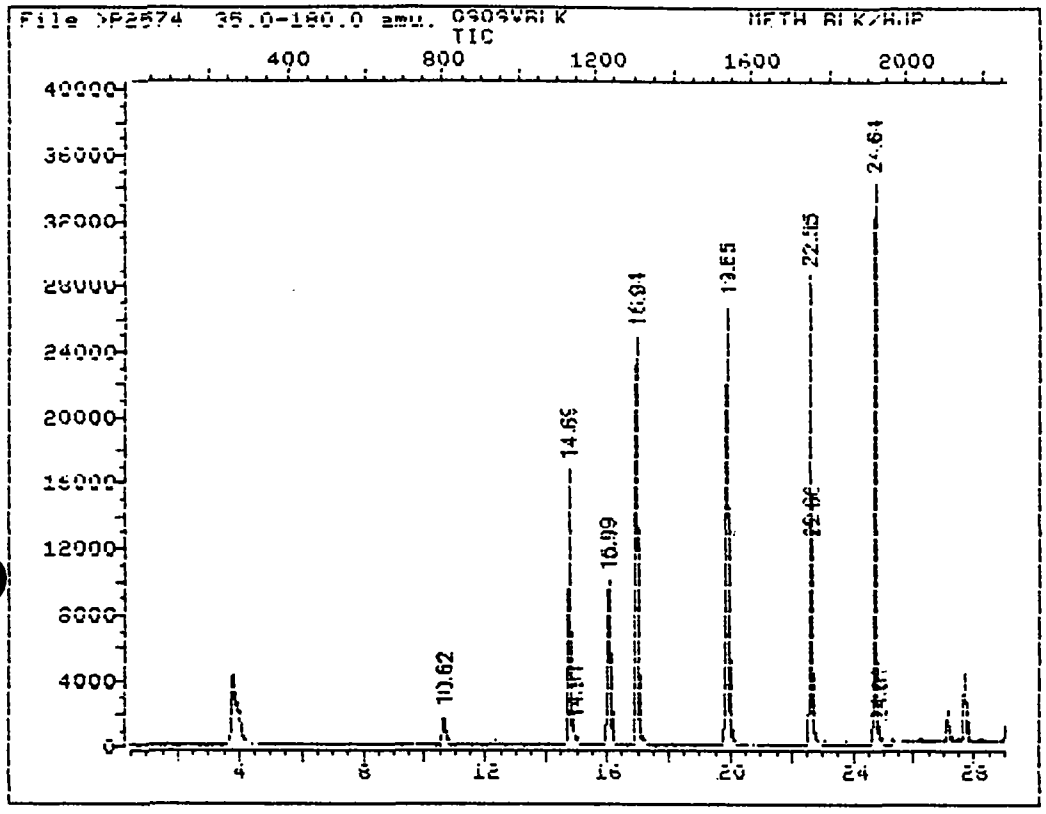
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940909 13:58
Output File: ^P2574::D1 Injected at: 940909 11:40
Data File: >P2574::A5 Dilution Factor: 1.00000
Name: 0909VBLK
Misc: METH BLK/HJP

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 12:22

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.69	1128	12490	50.00	PPB	76
11)	Methylene chloride	10.62	805	2521	2.93	PPB	77
18)	Chloroform	14.91	1145	798	.83	PPB	97
20)	*1,4-DIFLUOROBENZENE	16.94	1306	56947	50.00	PPB	85
22)	1,2-DICHLOROETHANE-D4	15.99	1231	21371	48.31	PPB	77
31)	TOLUENE-D8	19.85	1537	50481	52.98	PPB	95
35)	*CHLOROBENZENE-D5	22.55	1751	42714	50.00	PPB	90
40)	Chlorobenzene	22.60	1755	1093	1.19	PPB	92
46)	BROMOFLUOROBENZENE	24.64	1916	40108M	56.09	PPB	73
47)	1,1,2,2-Tetrachloroethane	24.81	1930	268	.41	PPB	99

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2574::A5
Name: 0909VBLK
Misc: METH BLK/HJP

Quant Output File: ^P2574::D1

Id File: IDCC01::A3
Title: VOA IDFILE
Last Calibration: 940909 12:22

Operator ID: BUBBA
Quant Time: 940909 13:58
Injected at: 940909 11:40

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2556::D1
Data File: >P2556::D2
Name: 940909BLK
Misc: METHOD BLANK

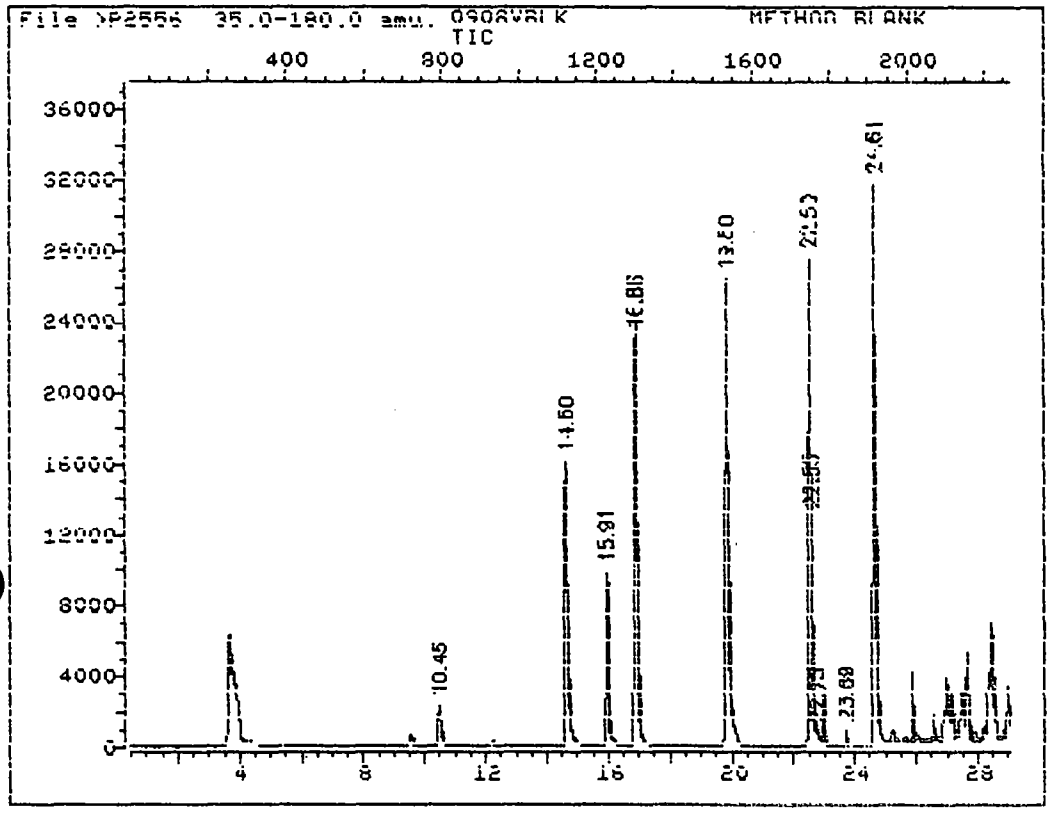
Quant Rev: 6 Quant Time: 940909 02:15
Injected at: 940909 01:41
Dilution Factor: 1.00000

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 01:07

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.60	1121	11852	50.00	PPB	68
11)	Methylene chloride	10.45	792	3242	5.56	PPB	78
20)	*1,4-DIFLUOROBENZENE	16.86	1300	55037	50.00	PPB	96
22)	1,2-DICHLOROETHANE-D4	15.91	1225	21216	50.58	PPB	81
31)	TOLUENE-D8	19.80	1533	49171	52.77	PPB	99
35)	*CHLOROBENZENE-D5	22.50	1747	41159	50.00	PPB	92
40)	Chlorobenzene	22.55	1751	856	.96	PPB	98
41)	Ethyl benzene	22.73	1765	172	.41	PPB	98
42)	p,m-Xylene	22.73	1765	172	.33	PPB	97
43)	o-Xylene	23.69	1841	560	1.04	PPB	95
46)	BROMOFLUOROBENZENE	24.61	1914	38892	56.25	PPB	68

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2556::D2 Quant Output File: ^P2556::D1
Name: 090896BLK
Misc: METHOD BLANK

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940909 01:07

Operator ID: BOBBA
Quant Time: 940909 02:15
Injected at: 940909 01:41

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2596::D1
Data File: >P2596::A5
Name: 0907VBLK
Misc: METHOD BLANK

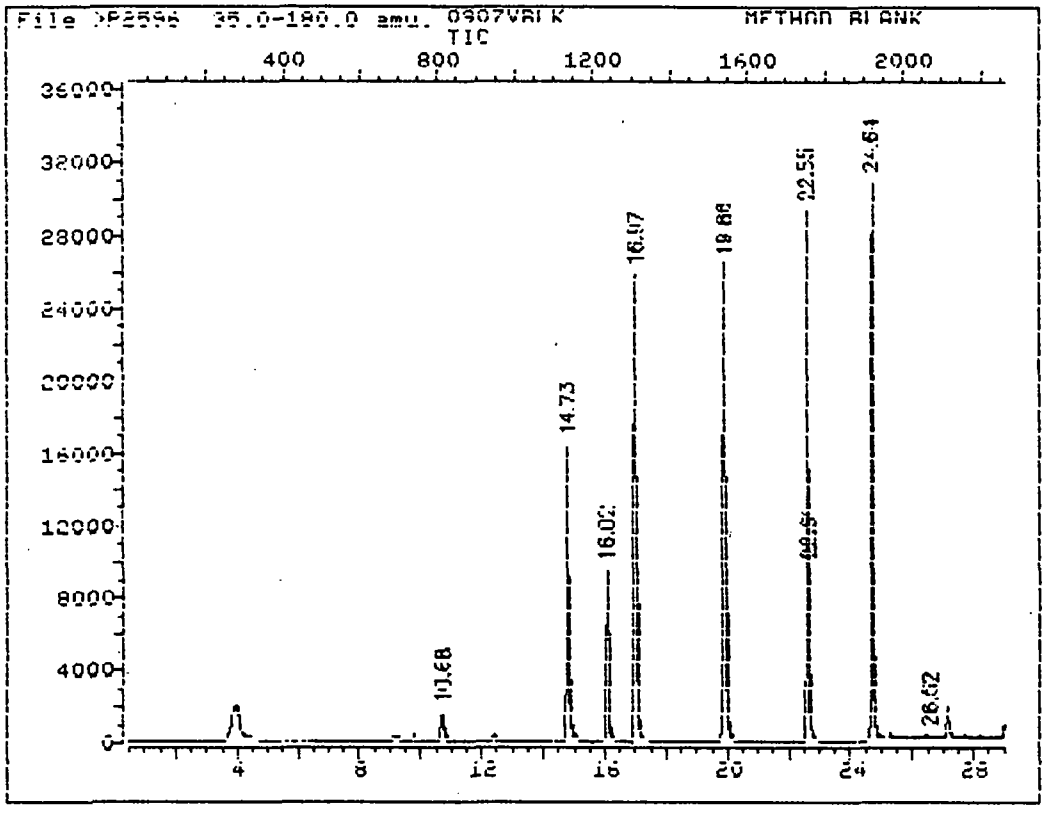
Quant Rev: 6 Quant Time: 940910 15:17
Injected at: 940910 14:47
Dilution Factor: 1.00000

ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940910 15:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.73	1131	11981	50.00	PPB	76
11)	Methylene chloride	10.68	810	2206	3.33	PPB	78
20)	*1,4-DIFLUOROBENZENE	16.97	1308	58992	50.00	PPB	89
22)	1,2-DICHLOROETHANE-D4	16.02	1233	20504	44.57	PPB	85
31)	TOLUENE-D8	19.86	1537	50111	46.78	PPB	96
35)	*CHLOROBENZENE-D5	22.55	1750	43910	50.00	PPB	91
40)	Chlorobenzene	22.61	1755	986	1.06	PPB	98
46)	BROMOFLUOROBENZENE	24.64	1916	37850	46.98	PPB	67
48)	1,3-Dichlorobenzene	26.52	2065	181	.25	PPB	99
49)	1,4-Dichlorobenzene	26.52	2065	181	.20	PPB	95

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2596::A5 Quant Output File: ^P2596::D1
Name: 0907VBLK
Misc: METHOD BLANK

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940910 15:00

Operator ID: BUBBA
Quant Time: 940910 15:17
Injected at: 940910 14:47

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2616::D1
Data File: >P2616::A5
Name: 0911VBLK
Misc: METHOD BLANK

Quant Rev: 6 Quant Time: 940911 15:35
Injected at: 940911 15:05
Dilution Factor: 1.00000

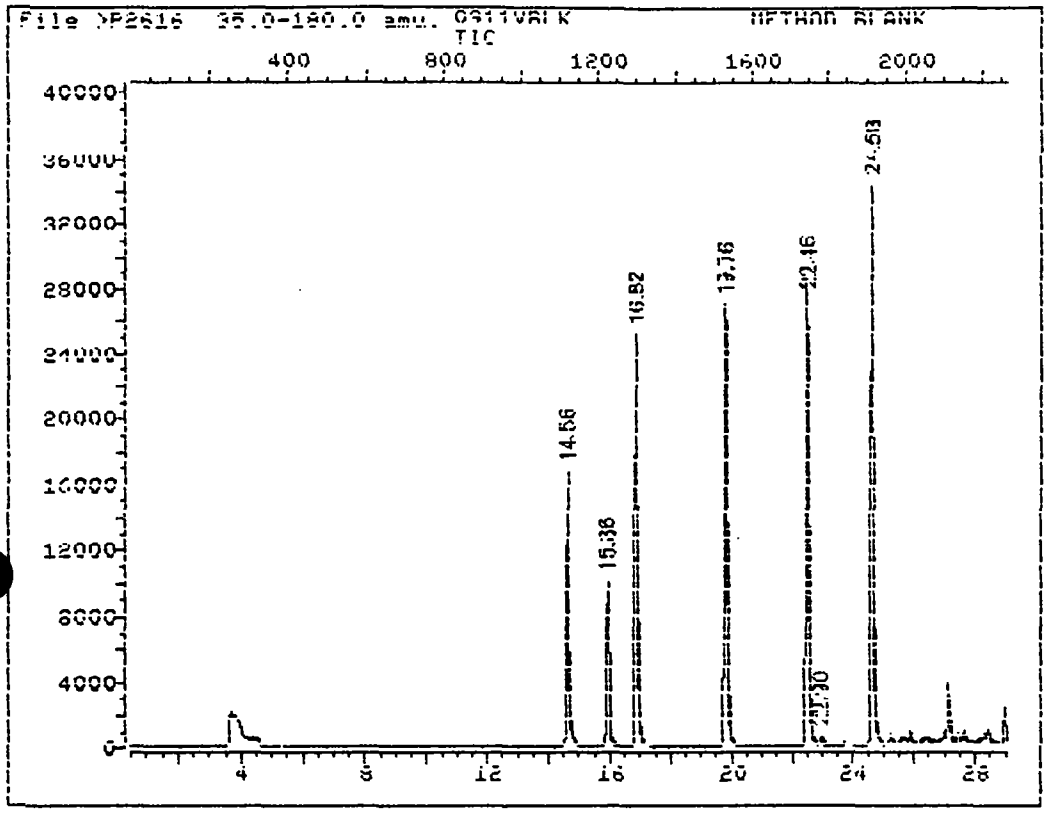
ID File: IDCCM1::A3
Title: VOA IDFILE
Last Calibration: 940911 14:18

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.56	1118	12718	50.00	PPB	75
20)	*1,4-DIFLUOROBENZENE	16.82	1237	59760	50.00	PPB	89
22)	1,2-DICHLOROETHANE-D4	15.86	1221	21812	46.62 93	PPB	82
31)	TOLUENE-D8	19.76	1530	58533	48.36 97	PPB	99
35)	*CHLOROBENZENE-D5	22.46	1744	43470	50.00	PPB	93
41)	Ethyl benzene	22.90	1779	575	1.49	PPB	72
42)	p,m-Xylene	22.90	1779	575	1.16	PPB	68
46)	BROMOFLUOROBENZENE	24.58	1912	42131	57.72 115	PPB	70

* Compound is ISTD

0000718

TOTAL ION CHROMATOGRAM



Data File: >P2616::A5 Quant Output File: ^P2616::D1
Name: 0911VBLK
Misc: METHOD BLANK

Id File: IDCCWJ::A3
Title: VOA IDFILE
Last Calibration: 940911 14:18

Operator ID: BUBBA
Quant Time: 940911 15:35
Injected at: 940911 15:05

QUANT REPORT

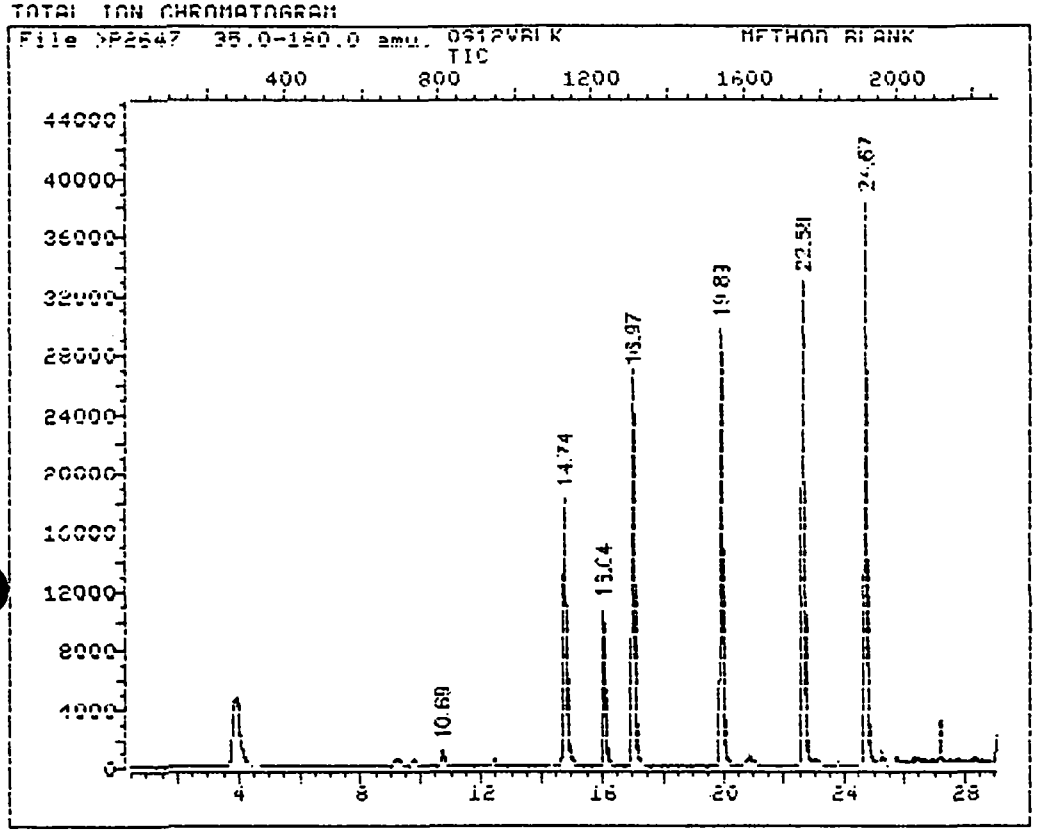
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940912 10:16
Output File: ^P2647::D1 Injected at: 940912 09:20
Data File: >P2647::A5 Dilution Factor: 1.00000
Name: 0912VBLK
Misc: METHOD BLANK

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940912 10:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.74	1132	13834	50.00	PPB	82
11)	Methylene chloride	10.69	811	1645	2.89	PPB	84
20)	*1,4-DIFLUOROBENZENE	16.97	1309	62466	50.00	PPB	89
22)	1,2-DICHLOROETHANE-D4	16.04	1235	23348	45.75	PPB	82
31)	TOLUENE-D8	19.89	1540	56429	46.28	PPB	96
35)	*CHLOROBENZENE-D5	22.58	1753	49970	50.00	PPB	88
46)	BROMOFLUOROBENZENE	24.67	1919	46783	47.56	PPB	70

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2647::A5 Quant Output File: ^P2647::D1
Name: 0912VBLK
Misc: METHOD BLANK

Id File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940912 10:00

Operator ID: BUBBA
Quant Time: 940912 10:16
Injected at: 940912 09:20

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Sample No: 9408260034 & 9408260035MS & 9408260036MSD Level (low/med): low

COMPOUND	SPIKE ADDED (mg/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (mg/kg)	MS % REC#	ADVISORY LIMITS REC.
1,1-Dichloroethene	62.5	< 6.25	64.2	103	59-172
Trichloroethene	62.5	< 6.25	59.3	95	62-137
Benzene	62.5	< 6.25	51.5	82	60-133
Toluene	62.5	< 6.25	48.0	77	59-139
Chlorobenzene	62.5	< 6.25	58.5	94	66-142

COMPOUND	SPIKE ADDED (mg/kg)	MSD CONCENTRATION (mg/kg)	MSD % REC#	% RPD#	ADVISORY LIMITS RPD	ADVISORY LIMITS REC.
1,1-Dichloroethene	62.5	71.4	114	11	22	59-172
Trichloroethene	62.5	69.0	110	15	24	62-137
Benzene	62.5	69.5	111	29*	21	60-133
Toluene	62.5	78.0	125	48*	21	59-139
Chlorobenzene	62.5	71.2	114	10	21	66-142

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

RPD: 2 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: V0SME-044

0000722

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260035
CLIENT ID : SBA-05(MS)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: hjp ANALYSIS DATE: 09/11/94 METHOD: 8240
ANALYSIS TIME: 19:05 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		41.5	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene		39.8	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride	<	DL	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene	<	DL	1250	6.25
Toluene		135	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene		295	1250	6.25

0000723

QUANT REPORT

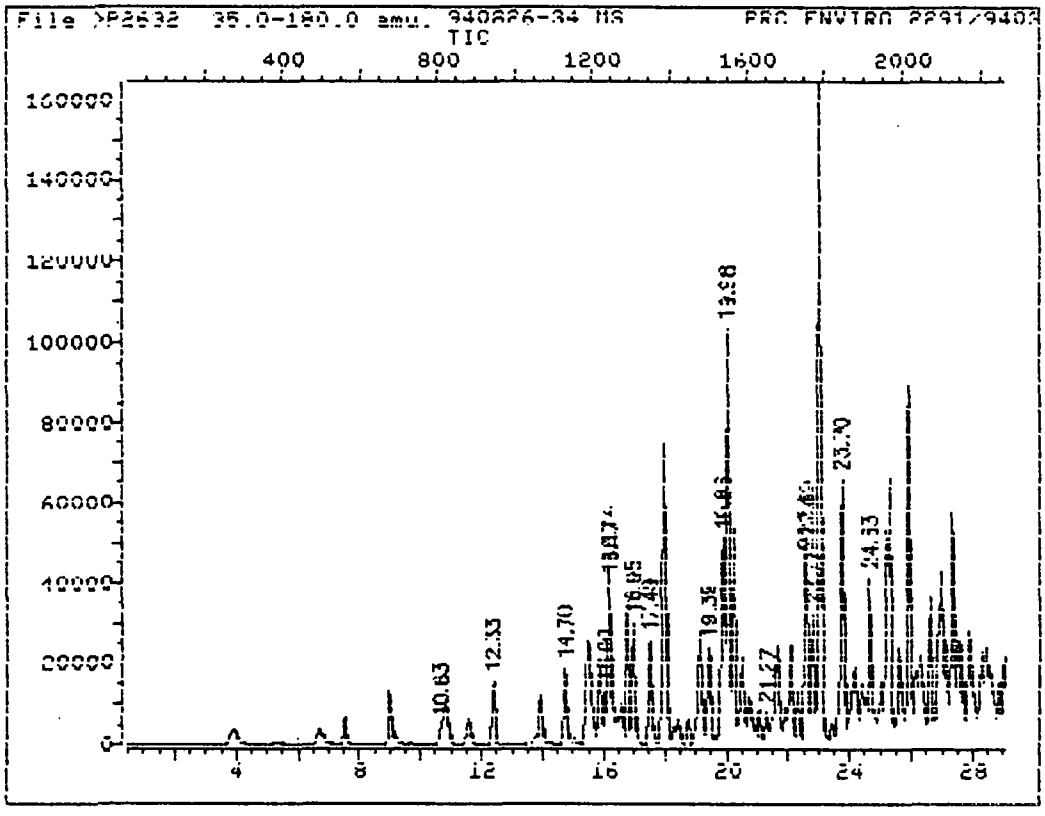
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940911 19:35
Output File: ^PZ632::D1 Injected at: 940911 19:05
Data File: >PZ632::A5 Dilution Factor: 1250.000
Name: 940826-34 MS
Misc: PRC ENVIRO 2291/9403016/1250DL/J5

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940911 14:18

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.70	1129	13749	50.00	PPB	81
8)	1,1-Dichloroethene	8.96	674	20495	64229.94	PPB	56
11)	Methylene chloride	10.63	806	3028	7029.84	PPB	81
15)	Vinyl acetate	12.33	941	22169	36990.40	PPB	84
20)	*1,4-DIFLUOROBENZENE	16.95	1307	66201	50.00	PPB	86
22)	1,2-DICHLOROETHANE-D4	16.00	1232	22747	54865.6688	PPB	77
23)	1,2-Dichloroethane	16.17	1245	1142	2309.13	PPB	91
24)	Benzene	16.14	1243	105291	96991.98	PPB	100
25)	Trichloroethene	17.49	1350	25142	59342.90	PPB	90
30)	4-Methyl-2-pentanone	19.39	1500	44520	104408.2	PPB	44
31)	TOLUENE-D8	19.86	1537	55435	59856.7996	PPB	96
32)	Toluene	19.98	1547	203641	182680.1	PPB	91
35)	*CHLOROBENZENE-D5	22.54	1749	55379	50.00	PPB	90
36)	Tetrachloroethene	21.03	1630	510	1280.68	PPB	96
38)	2-Hexanone	21.27	1649	5841	11264.84	PPB	51
40)	Chlorobenzene	22.59	1753	48556	58529.08	PPB	93
41)	Ethyl benzene	22.77	1767	14711	37440.75	PPB	94
42)	p,m-Xylene	22.77	1767	14711	29071.79	PPB	98
43)	o-Xylene	23.70	1841	41417	80518.20	PPB	96
46)	BROMOFLUOROBENZENE	24.63	1914	50305	67619.8768	PPB	70

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2632::A5 Quant Output File: ^P2632::D1
Name: 940826-34 MS
Misc: PRC ENVIRO 2291/9403016/125UDL/JS

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940911 14:18

Operator ID: BUBBA
Quant Time: 940911 19:35
Injected at: 940911 19:05

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :

SAMPLE NO. : 9408260036
CLIENT ID : SBA-05(MSD)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: hjp **ANALYSIS DATE:** 09/11/94 **METHOD:** 8240
ANALYSIS TIME: 19:40 **PREP REQ** : N **PREP DATE** :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene		41.5	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene		39.8	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride	<	DL	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene	<	DL	1250	6.25
Toluene		135	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene		295	1250	6.25

0000726

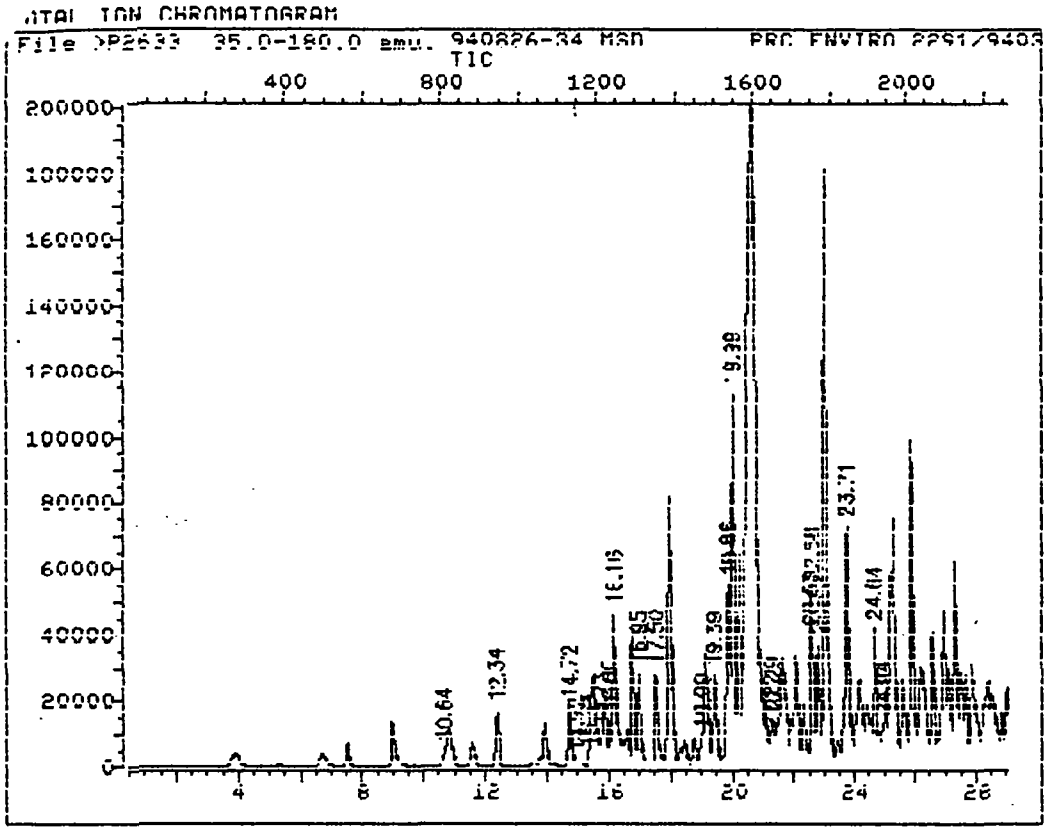
QUANT REPORT

Operator ID: BUBBA Quant Rev: 6 Quant Time: 940911 20:10
Output File: ^P2633::D1 Injected at: 940911 19:40
Data File: >P2633::A5 Dilution Factor: 1250.000
Name: 940826-34 MSD
Misc: PRC ENVIRO 2291/9403016/1250DL/JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940911 14:18

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.72	1130	12946	50.00	PPB	77
8)	1,1-Dichloroethene	8.97	675	21444	71372.52	PPB	57
11)	Methylene chloride	10.64	807	2995	7384.51	PPB	77
15)	Vinyl acetate	12.34	942	23953	42446.16	PPB	82
18)	Chloroform	14.92	1146	1310	1788.85	PPB	99
19)	1,1,1-Trichloroethane	15.33	1179	426	782.92	PPB	85
20)	*1,4-DIFLUOROBENZENE	16.95	1307	60669	50.00	PPB	87
21)	Carbon tetrachloride	15.73	1210	11278	16649.81	PPB	90
22)	1,2-DICHLOROETHANE-D4	16.00	1232	22938	60371.19	PPB	77
24)	Benzene	16.16	1244	110910	111484.1	PPB	100
25)	Trichloroethene	17.50	1350	26778	68967.55	PPB	97
28)	2-Choloroethyl vinyl ether	19.00	1469	110	559.11	PPB	84
30)	4-Methyl-2-pentanone	19.39	1500	50080	128156.7	PPB	44
31)	TOLUENE-D8	19.86	1537	57814	68117.72	PPB	91
32)	Toluene	19.99	1547	217695	213094.5	PPB	93
34)	1,1,2-Trichloroethane	21.22	1644	362	1206.10	PPB	58
35)	*CHLOROBENZENE-D5	22.53	1748	49256	50.00	PPB	93
36)	Tetrachloroethene	21.03	1629	609	1719.39	PPB	92
38)	2-Hexanone	21.29	1650	6749	14634.01	PPB	52
40)	Chlorobenzene	22.58	1752	52569	71243.37	PPB	91
41)	Ethyl benzene	22.76	1766	16088	46035.23	PPB	96
42)	p,m-Xylene	22.76	1766	16088	35745.19	PPB	99
43)	o-Xylene	23.71	1841	45405	99244.19	PPB	94
46)	BROMOFLUOROBENZENE	24.64	1914	45433M	68662.66	PPB	65
47)	1,1,2,2-Tetrachloroethane	24.94	1938	991	1758.47	PPB	48

* Compound is ISTD



Data File: >P2633::A5 Quant Output File: ^P2633::D1
Name: 940826-34 MSD
Misc: PRC ENVIRO 2291/9403016/125UDL/JS

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940911 14:18

Operator ID: BUBBA
Quant Time: 940911 20:10
Injected at: 940911 19:40

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Sample No: 9408260034 Level:(low/med): low

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC#	ADVISORY LIMITS REC.
1,1-Dichloroethene	500	< 50	472	94	61-145
Trichloroethene	500	< 50	491	98	71-120
Benzene	500	460	299	60	76-127
Toluene	500	< 50	717	143*	76-125
Chlorobenzene	500	< 50	483	97	75-130

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC#	% RPD#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	500	435	87	8	14	61-145
Trichloroethene	500	452	90	9	14	71-120
Benzene	500	237	47*	25*	11	76-127
Toluene	500	667	133*	7	13	76-125
Chlorobenzene	500	443	89	9	13	75-130

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

RPD: 1 out of 5 outside limits
Spike Recovery: 3 out of 10 outside limits

COMMENTS: VOWLO-270 (TCLP)

0000729

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260035
CLIENT ID : SBA-05(MS)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: hjp
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 07:52
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.46	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000730

QUANT REPORT

Solid

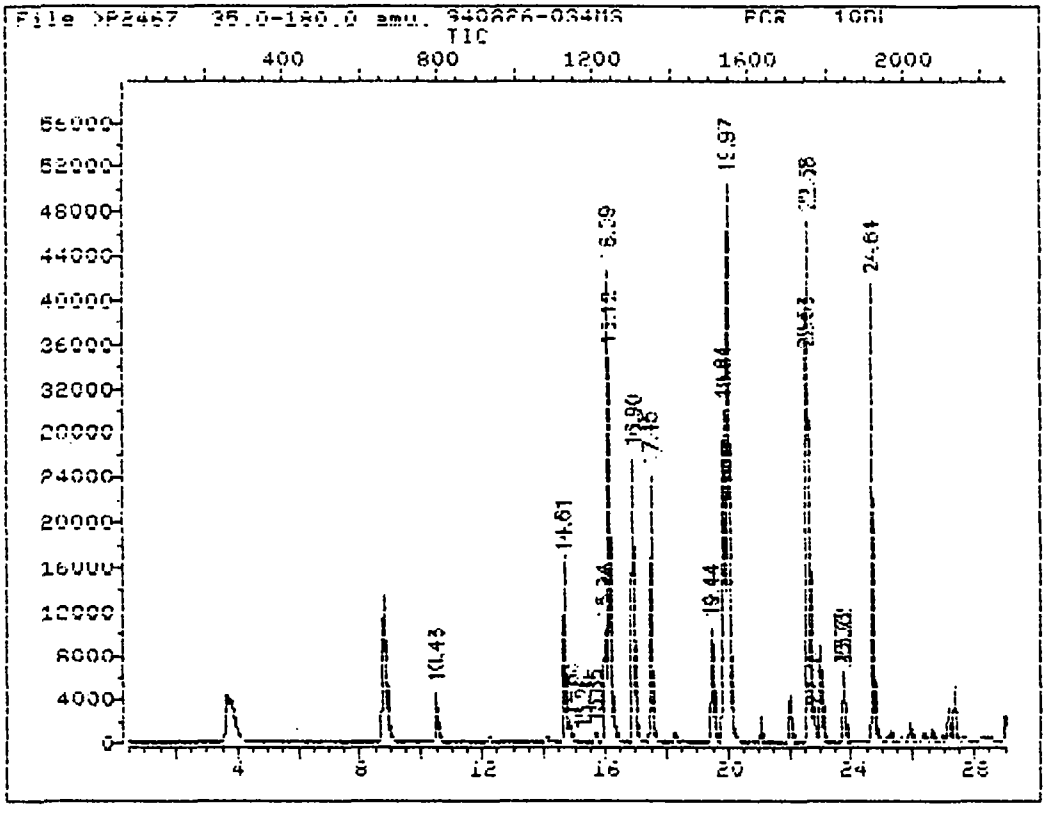
Operator ID: BUBBA 1 Quant Rev: 6 Quant Time: 940906 08:22
Output File: ^P2467::D1 Injected at: 940906 07:52
Data File: >P2467::D2 Dilution Factor: 10.00000
Name: 940826-034MS 2291
Misc: PCR 100L 9403016

ID File: IDCOM1::A3
Title: VOA IDFILE
Last Calibration: 940906 08:02

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.61	1122	12938	50.00	PPB	74
8)	1,1-Dichloroethene	8.75	657	20683	472.08	PPB	58
11)	Methylene chloride	10.46	793	6989	117.09	PPB	77
18)	Chloroform	14.83	1139	2576	25.74	PPB	93
19)	1,1,1-Trichloroethane	15.26	1173	459	5.94	PPB	98
20)	*1,4-DIFLUOROBENZENE	16.90	1303	59921	50.00	PPB	88
21)	Carbon tetrachloride	15.65	1204	1705	27.75	PPB	87
22)	1,2-DICHLOROETHANE-D4	15.94	1227	22877	510.24	PPB	83
23)	1,2-Dichloroethane	16.12	1241	8576	143.32	PPB	90
24)	Benzene	16.09	1239	98821	758.74	PPB	100
25)	Trichloroethene	17.45	1347	24459	491.42	PPB	89
30)	4-Methyl-2-pentanone	19.44	1504	15075	362.23	PPB	49
31)	TOLUENE-D8	19.84	1536	55099	546.26	PPB	99
32)	Toluene	19.97	1546	98914	716.83	PPB	93
35)	*CHLOROBENZENE-D5	22.53	1749	46598	50.00	PPB	86
36)	Tetrachloroethene	21.01	1629	1631	34.14	PPB	97
40)	Chlorobenzene	22.58	1753	47939	483.47	PPB	95
41)	Ethyl benzene	22.76	1767	913	19.34	PPB	97
42)	p,m-Xylene	22.76	1767	913	15.43	PPB	94
43)	o-Xylene	23.72	1843	3687	61.53	PPB	95
44)	Styrene	23.73	1844	2431	25.01	PPB	92
46)	BROMOFLUOROBENZENE	24.64	1916	50261	646.64	PPB	67

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2467::D2 Quant Output File: ^P2467::D1
Name: 940826-034MS
Misc: PCR 10DL

Id File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940906 08:02

Operator ID: BUBBA
Quant Time: 940906 08:22
Injected at: 940906 07:52

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Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260036
CLIENT ID : SBA-05(MSD)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: hjp
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 08:27
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	0.46	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000733

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2468::D1
Data File: >P2468::D2
Name: 940826-034M5D
Misc: PCR 10DL

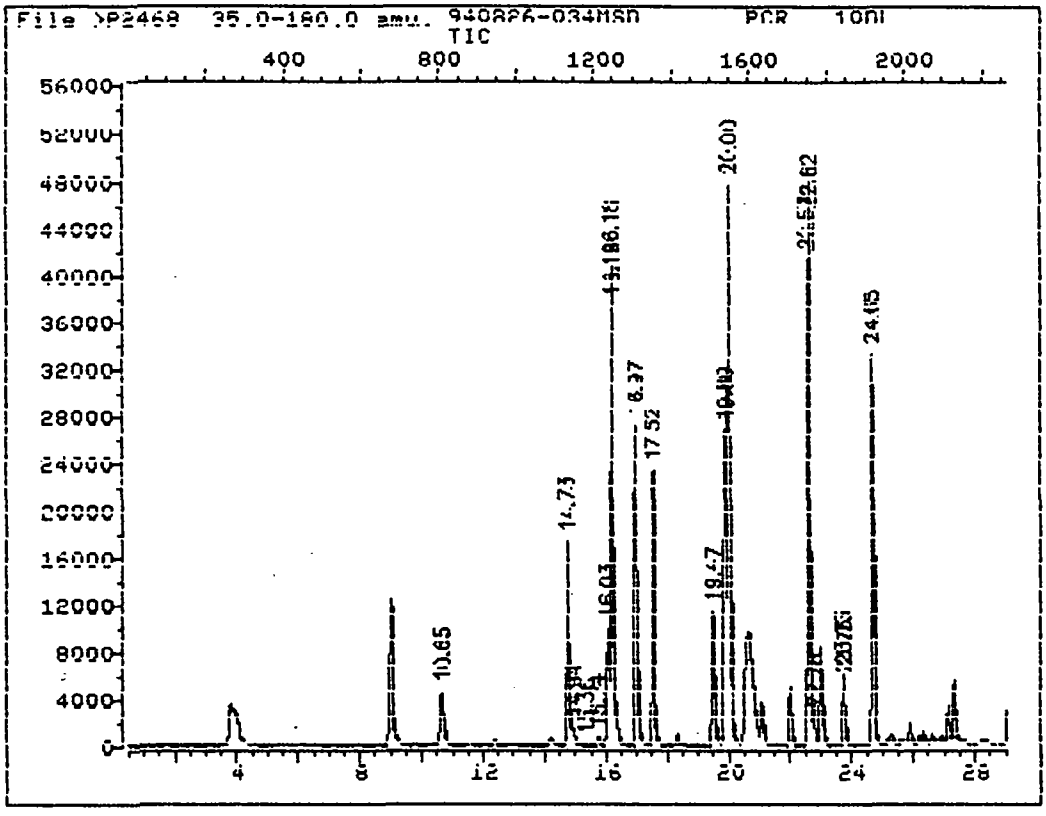
Quant Rev: 6 Quant Time: 940906 08:57
Injected at: 940906 08:27
Dilution Factor: 10.00000

ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940906 08:02

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.73	1129	12858	50.00	PPB	77
8)	1,1-Dichloroethene	9.00	675	18941	435.01	PPB	57
11)	Methylene chloride	10.65	806	6752	113.82	PPB	77
18)	Chloroform	14.94	1146	2210	22.22	PPB	92
19)	1,1,1-Trichloroethane	15.36	1179	300	3.91	PPB	90
20)	*1,4-DIFLUOROBENZENE	16.97	1307	61617	50.00	PPB	86
21)	Carbon tetrachloride	15.74	1209	1227	19.42	PPB	96
22)	1,2-DICHLOROETHANE-D4	16.03	1232	21599	468.47	PPB	80
23)	1,2-Dichloroethane	16.19	1245	8653	140.62	PPB	98
24)	Benzene	16.18	1244	93329	696.85	PPB	100
25)	Trichloroethene	17.52	1350	23140	452.12	PPB	95
30)	4-Methyl-2-pentanone	19.47	1505	16264	381.31	PPB	48
31)	TOLUENE-D8	19.89	1538	49422	476.51	PPB	95
32)	Toluene	20.00	1547	94674	667.22	PPB	93
35)	*CHLOROBENZENE-D5	22.57	1750	49870	50.00	PPB	90
36)	Tetrachloroethene	21.05	1630	2264	44.28	PPB	99
40)	Chlorobenzene	22.62	1754	46967	442.59	PPB	91
41)	Ethyl benzene	22.78	1767	886	17.54	PPB	99
42)	p,m-Xylene	22.78	1767	886	13.99	PPB	96
43)	o-Xylene	23.73	1842	3560	55.52	PPB	97
44)	Styrene	23.75	1844	2342	22.51	PPB	74
46)	BROMOFLUOROBENZENE	24.65	1915	39893	479.57	PPB	70

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2468::D2 Quant Output File: ^P2468::D1
Name: 940826-034MSD
Misc: PCR 10DL

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 08:02

Operator ID: BUBBA
Quant Time: 940906 08:57
Injected at: 940906 08:27

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
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SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Sample No: 9408260050 & 9408260051MS & 9408260052MSD Level (low/med): low

COMPOUND	SPIKE ADDED (mg/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (mg/kg)	MS % REC#	ADVISORY LIMITS REC.
1,1-Dichloroethene	6.25	< 0.625	66.6	107	59-172
Trichloroethene	6.25	< 0.625	70.0	112	62-137
Benzene	6.25	< 0.625	66.6	107	60-133
Toluene	6.25	< 0.625	64.1	103	59-139
Chlorobenzene	6.25	< 0.625	69.5	111	66-142

COMPOUND	SPIKE ADDED (mg/kg)	MSD CONCENTRATION (mg/kg)	MSD % REC#	% RPD#	ADVISORY LIMITS RPD	ADVISORY LIMITS REC.
1,1-Dichloroethene	6.25	62.6	100	7	22	59-172
Trichloroethene	6.25	62.2	100	12	24	62-137
Benzene	6.25	60.5	97	10	21	60-133
Toluene	6.25	58.7	94	9	21	59-139
Chlorobenzene	6.25	66.3	106	5	21	66-142

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

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: V0SME-043

0000736

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260051
CLIENT ID : SBA-13(MS)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: hjp ANALYSIS DATE: 09/11/94 METHOD: 8240
ANALYSIS TIME: 18:29 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	<	DL	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene	<	DL	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride	<	DL	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene	<	DL	1250	6.25
Toluene	<	DL	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene	<	DL	1250	6.25

0000737

QUANT REPORT

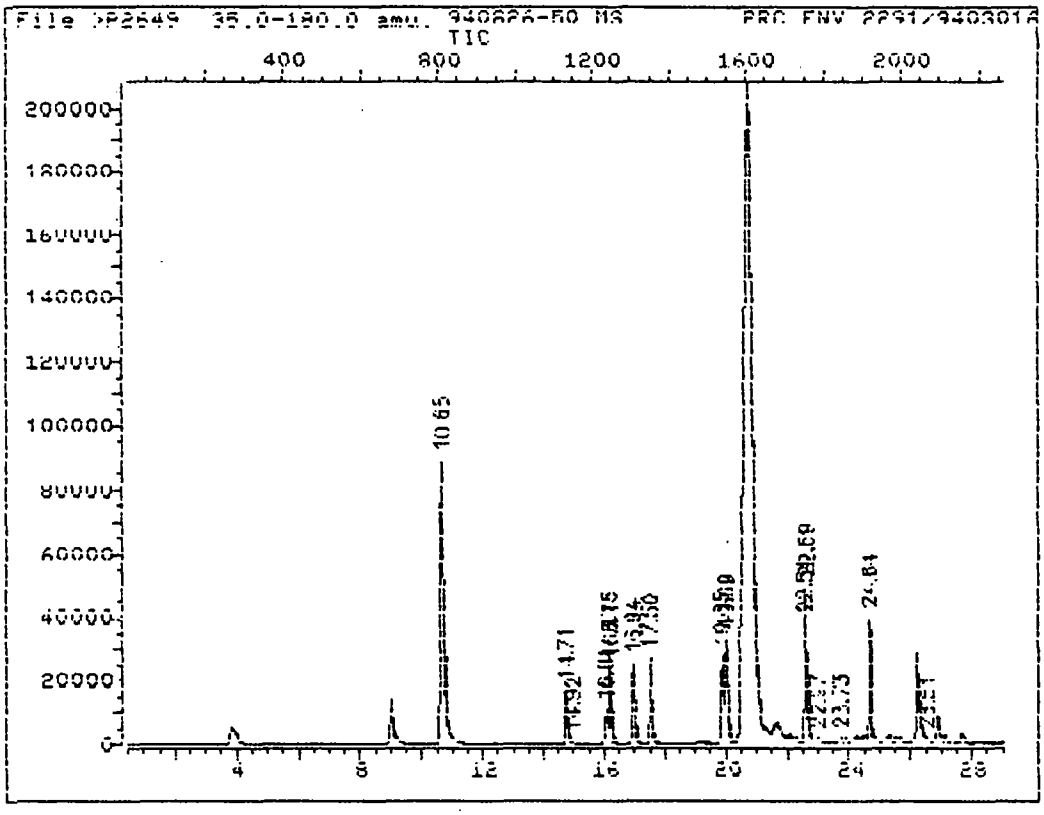
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940912 11:23
Output File: ^P2649::D1 Injected at: 940912 10:54
Data File: >P2649::D1 Dilution Factor: 1250.000
Name: 940826-50 MS
Misc: PRC ENV 2291/9408016/1250DL/JS

ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940912 10:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.71	1129	13140	50.00	PPB	76
8)	1,1-Dichloroethene	8.98	675	22345	66554.12	PPB	60
11)	Methylene chloride	10.65	807	133534	308215.2	PPB	78
18)	Chloroform	14.92	1146	441	577.58	PPB	82
20)	*1,4-DIFLUOROBENZENE	16.94	1306	57860	50.00	PPB	86
22)	1,2-DICHLOROETHANE-D4	16.01	1232	22708	60042.18	PPB	81
23)	1,2-Dichloroethane	16.17	1245	1360	3069.73	PPB	95
24)	Benzene	16.15	1243	66985	66578.59	PPB	100
25)	Trichloroethene	17.50	1350	26908	69995.44	PPB	95
31)	TOLUENE-D8	19.85	1536	53258	58950.20	PPB	99
32)	Toluene	19.99	1547	67511	64075.67	PPB	94
35)	*CHLOROBENZENE-D5	22.54	1749	47453	50.00	PPB	92
36)	Tetrachloroethene	21.02	1629	142	396.05	PPB	85
40)	Chlorobenzene	22.59	1753	52359	69502.17	PPB	92
41)	Ethyl benzene	22.97	1783	460	1264.32	PPB	78
42)	p,m-Xylene	22.97	1783	460	994.00	PPB	74
44)	Styrene	23.73	1843	948	1226.46	PPB	85
46)	BROMOFLUOROBENZENE	24.64	1915	47594	63683.77	PPB	72
48)	1,3-Dichlorobenzene	26.51	2063	186	308.57	PPB	99
49)	1,4-Dichlorobenzene	26.51	2063	186	254.91	PPB	95

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2649::D1 Quant Output File: ^P2649::D1
Name: 940826-50 MS
Misc: PRC ENV 2291/9403016/1250DL/JS

Id File: IDCCW1::B3
Title: VOA IDFILE
Last Calibration: 940912 10:00

Operator ID: BUBBA
Quant Time: 940912 11:23
Injected at: 940912 10:54

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260052
CLIENT ID : SBA-13(MSD)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: hjp ANALYSIS DATE: 09/11/94 METHOD: 8240
ANALYSIS TIME: 18:29 PREP REQ : N PREP DATE :

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Benzene	<	DL	1250	6.25
Bromoform	<	DL	1250	6.25
Carbon tetrachloride	<	DL	1250	6.25
Chlorobenzene	<	DL	1250	6.25
Chlorodibromomethane	<	DL	1250	6.25
Chloroethane	<	DL	1250	6.25
2-Chloroethylvinyl ether	<	DL	1250	6.25
Chloroform	<	DL	1250	6.25
1,2-Dichlorobenzene	<	DL	1250	6.25
1,4-Dichlorobenzene	<	DL	1250	6.25
1,3-Dichlorobenzene	<	DL	1250	6.25
Dichlorobromomethane	<	DL	1250	6.25
1,1-Dichloroethane	<	DL	1250	6.25
1,2-Dichloroethane	<	DL	1250	6.25
1,1-Dichloroethene	<	DL	1250	6.25
trans-1,2-Dichloroethene	<	DL	1250	6.25
1,2-Dichloropropane	<	DL	1250	6.25
1,3-Dichloropropylene	<	DL	1250	6.25
trans-1,3-Dichloropropene	<	DL	1250	6.25
Ethylbenzene	<	DL	1250	6.25
Methyl bromide	<	DL	1250	6.25
Methyl chloride	<	DL	1250	6.25
Methylene chloride		309	1250	6.25
1,1,2,2-Tetrachloroethane	<	DL	1250	6.25
Tetrachloroethene	<	DL	1250	6.25
Toluene	<	DL	1250	6.25
1,1,1-Trichloroethane	<	DL	1250	6.25
1,1,2-Trichloroethane	<	DL	1250	6.25
Trichloroethene	<	DL	1250	6.25
Trichlorofluoromethane	<	DL	1250	6.25
Vinyl chloride	<	DL	1250	6.25
Total Xylene	<	DL	1250	6.25

0000740

QUANT REPORT

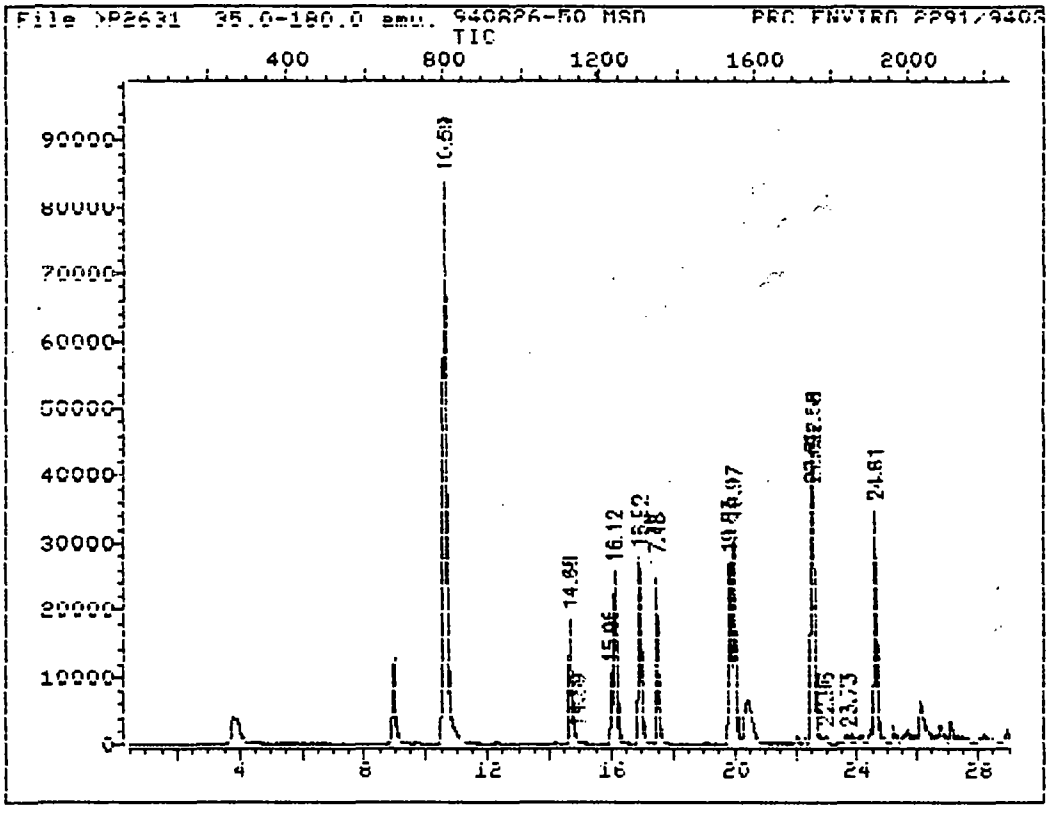
Operator ID: BUBBA Quant Rev: 6 Quant Time: 940911 18:59
Output File: ^P2631::D1 Injected at: 940911 18:29
Data File: >P2631::A5 Dilution Factor: 1250.000
Name: 940826-50 MSD
Misc: PRC ENVIRO 2291/9403016/1250DL/JS

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940911 14:18

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.68	1127	13597	50.00	PPB	78
8)	1,1-Dichloroethene	8.92	671	19761	62621.95	PPB	57
11)	Methylene chloride	10.59	803	127348	298957.6	PPB	79
18)	Chloroform	14.89	1144	486	631.87	PPB	94
20)	*1,4-DIFLUOROBENZENE	16.92	1305	62361	50.00	PPB	89
22)	1,2-DICHLOROETHANE-D4	15.98	1230	22351	57230.15 92	PPB	82
24)	Benzene	16.12	1241	61819	60453.02	PPB	100
25)	Trichloroethene	17.48	1349	24818	62185.23	PPB	91
31)	TOLUENE-D8	19.83	1535	51053	58519.70 94	PPB	97
32)	Toluene	19.97	1546	61593	58655.52	PPB	96
35)	*CHLOROBENZENE-D5	22.52	1748	48009	50.00	PPB	94
40)	Chlorobenzene	22.58	1753	47716	66332.17	PPB	93
41)	Ethyl benzene	22.96	1783	126	369.91	PPB	61
42)	p,m-Xylene	22.96	1783	126	287.23	PPB	56
44)	Styrene	23.73	1844	382	515.54	PPB	96
46)	BROMOFLUOROBENZENE	24.61	1914	42457	65831.69 105	PPB	73

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2631::A5 Quant Output File: ^P2631::D1
Name: 940826-50 MSD
Misc: PRC ENVIRO 2291/9403016/1250DL/JS

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940911 14:18

Operator ID: BUBBA
Quant Time: 940911 18:59
Injected at: 940911 18:29

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Sample No: 9408260051MS & 9408260051MSD Level:(low/med): low

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC#	ADVISORY LIMITS REC.
1,1-Dichloroethene	500.0	< 50.0	453	91	61-145
Trichloroethene	500.0	< 50.0	474	94	71-120
Benzene	500.0	< 50.0	469	95	76-127
Toluene	500.0	< 50.0	439	87	76-125
Chlorobenzene	500.0	< 50.0	483	97	75-130

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC#	% RPD#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	500.0	473	95	4	14	61-145
Trichloroethene	500.0	497	98	4	14	71-120
Benzene	500.0	491	99	4	11	76-127
Toluene	500.0	462	92	5	13	76-125
Chlorobenzene	500.0	500	100	3	13	75-130

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

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: VOWLO-266 (TCLP)

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Environmental Laboratories

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(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260051
CLIENT ID : SBA-13(MS)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: hjp
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 09:02
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000744

QUANT REPORT

Operator ID: BUBBA
Output File: ^P2469::D1
Data File: >P2469::D2
Name: 940826-05UMS
Misc: PCR 10DL

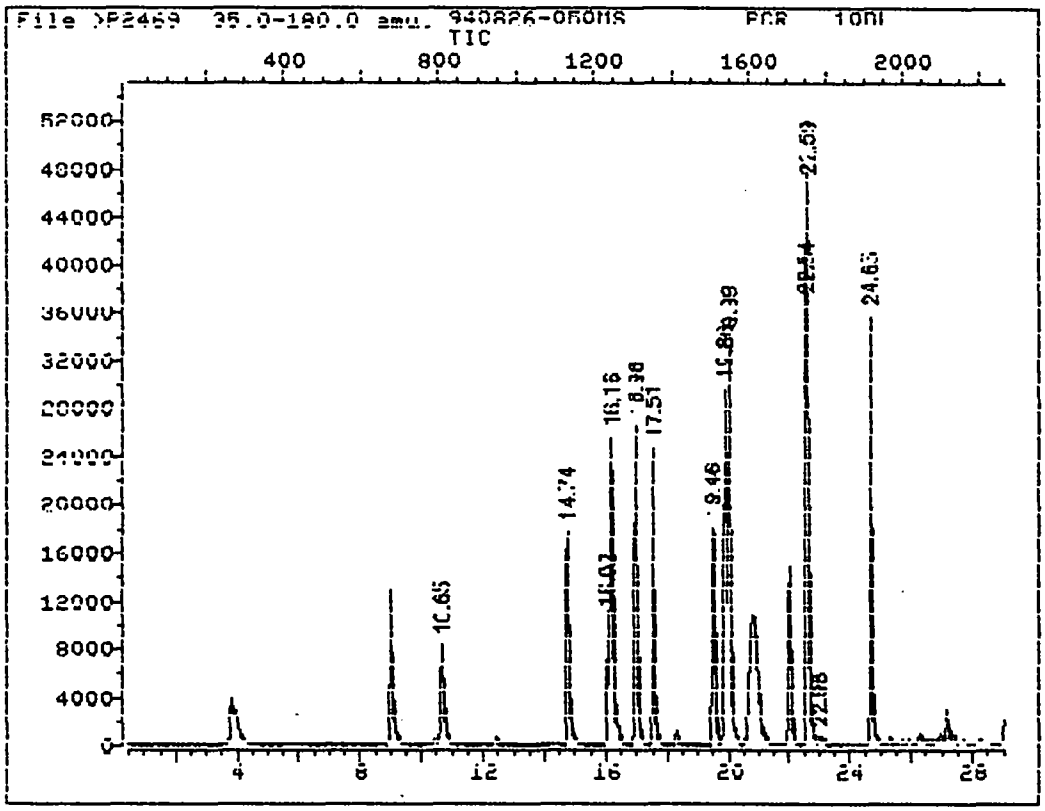
Quant Rev: 6 Quant Time: 940906 09:32
Injected at: 940906 09:02
Dilution Factor: 10.00000

ID File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 08:02

Compound	R.T.	Scan#	Area	Conc	Units	q
1) *BROMOCHLOROMETHANE	14.74	1131	12795	50.00	PPB	74
8) 1,1-Dichloroethene	9.00	676	19658	453.70	PPB	58
11) Methylene chloride	10.65	807	12046	204.06	PPB	77
20) *1,4-DIFLUOROBENZENE	16.96	1307	60971	50.00	PPB	89
22) 1,2-DICHLOROETHANE-D4	16.02	1233	22969	503.46	PPB	80
24) Benzene	16.16	1244	62126	468.78	PPB	100
29) Trichloroethene	17.51	1351	23999	473.87	PPB	91
30) 4-Methyl-2-pentanone	19.46	1505	25696	608.82	PPB	49
31) TOLUENE-D8	19.86	1537	54021	526.37	PPB	99
32) Toluene	19.99	1547	61662	439.17	PPB	93
35) *CHLOROBENZENE-D5	22.54	1749	46490	50.00	PPB	93
36) Tetrachloroethene	21.02	1629	394	8.27	PPB	94
40) Chlorobenzene	22.59	1753	47777	482.95	PPB	92
41) Ethyl benzene	22.98	1784	306	6.50	PPB	80
42) p,m-Xylene	22.98	1784	306	5.18	PPB	76
46) BROMOFLUOROBENZENE	24.63	1915	43078	555.51	PPB	73

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P2469::D2 Quant Output File: ^P2469::D1
Name: 940826-05UMS
Misc: PCR 10UL

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 08:02

Operator ID: BUBBA
Quant Time: 940906 09:32
Injected at: 940906 09:02

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Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260052
CLIENT ID : SBA-13(MSD)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: hjp
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 09:37
PREP DATE: 08/26/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
Benzene	< DL	0.5	0.05	10	8240
Carbon tetrachloride	< DL	0.5	0.05	10	8240
Chlorobenzene	< DL	100.0	0.05	10	8240
Chloroform	< DL	6.0	0.05	10	8240
1,2-Dichloroethane	< DL	0.5	0.05	10	8240
1,1-Dichloroethylene	< DL	0.7	0.05	10	8240
Methyl ethyl ketone	< DL	200.0	0.25	10	8240
Tetrachloroethylene	< DL	0.7	0.05	10	8240
Trichloroethylene	< DL	0.5	0.05	10	8240
Vinyl chloride	< DL	0.2	0.05	10	8240

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000747

QUANT REPORT

Operator ID: BUBBA
Output File: ^P247U::D1
Data File: >P247U::D2
Name: 940826-05UMSD
Misc: PCR 10DL

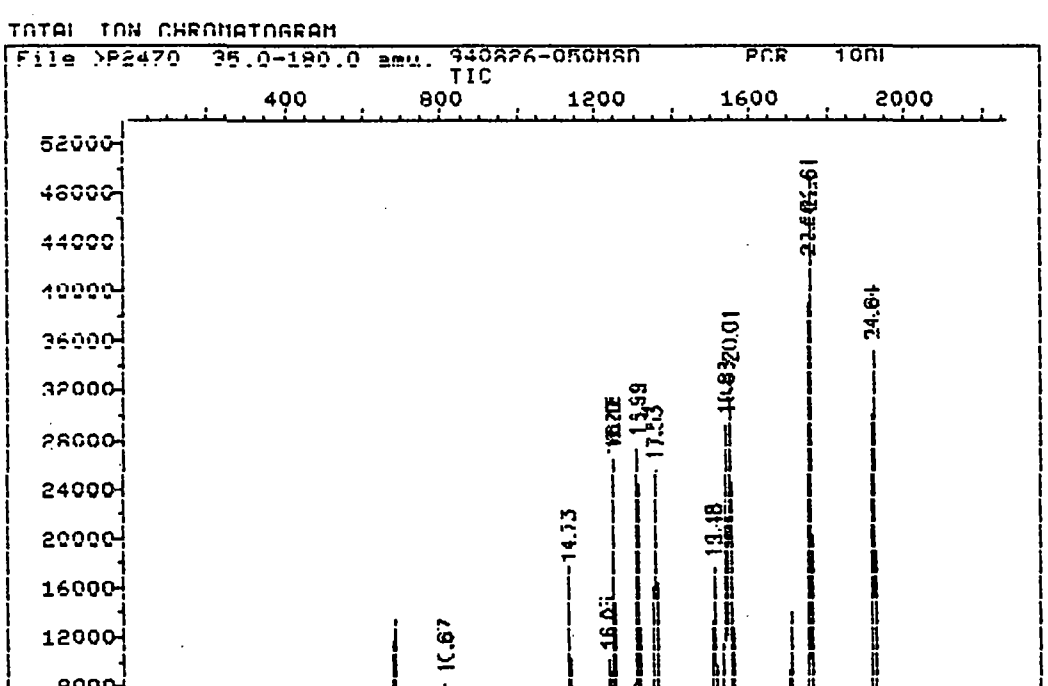
Quant Rev: 6 Quant Time: 940906 10:08
Injected at: 940906 09:37
Dilution Factor: 10.00000

ID File: 1DCCW1::A3
Title: VOA 1DFILE
Last Calibration: 940906 08:02

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE	14.73	1131	12871	50.00	PPB	73
8)	1,1-Dichloroethene	8.99	676	20626	473.23	PPB	57
11)	Methylene chloride	10.67	809	11429	192.46	PPB	78
20)	*1,4-DIFLUOROBENZENE	16.99	1310	60248	50.00	PPB	86
22)	1,2-DICHLOROETHANE-D4	16.03	1234	22379	496.42	PPB	80
23)	1,2-Dichloroethane	16.20	1247	757	12.58	PPB	93
24)	Benzene	16.18	1246	64289	490.93	PPB	100
25)	Trichloroethene	17.53	1353	24866	496.89	PPB	90
30)	4-Methyl-2-pentanone	19.48	1507	24887	596.73	PPB	48
31)	TOLUENE-D8	19.88	1539	52805	520.70	PPB	99
32)	Toluene	20.01	1549	64039	461.57	PPB	91
35)	*CHLOROBENZENE-D5	22.56	1751	46937	50.00	PPB	88
36)	Tetrachloroethene	21.03	1630	1855	38.55	PPB	95
40)	Chlorobenzene	22.61	1755	49958	500.19	PPB	93
41)	Ethyl benzene	22.99	1785	390	8.20	PPB	71
42)	p,m-Xylene	22.99	1785	390	6.54	PPB	67
46)	BROMOFLUOROBENZENE	24.64	1916	42174	538.68	PPB	71

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >P247U::D2 Quant Output File: ^P247U::D1
Name: 940826-050MSD
Misc: PCR 10DL

Id File: IDCCW1::A3
Title: VOA IDFILE
Last Calibration: 940906 08:02

Operator ID: BUBBA
Quant Time: 940906 10:08
Injected at: 940906 09:37

Inchcape Testing Services
Environmental Laboratories

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(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260030
CLIENT ID : SBA-01
SAMPLE DATE: 08/24/94
SAMPLE TIME: 12:50

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 23:00 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene		60.4	120	39.6
Acenaphthylene	<	DL	120	39.6
Anthracene		168	120	39.6
Benzidine	<	DL	120	158
Benzo(a)anthracene		56.5	120	39.6
Benzo(a)pyrene	<	DL	120	39.6
Benzo(b)fluoranthene		50.8	120	39.6
Benzo(ghi)perylene	<	DL	120	39.6
Benzo(k)fluoranthene	<	DL	120	39.6
bis(2-Chloroethoxy)methane	<	DL	120	39.6
bis(2-Chloroethyl)ether	<	DL	120	39.6
bis(2-Chloroisopropyl)ether	<	DL	120	39.6
bis(2-Ethylhexyl)phthalate	<	DL	120	39.6
4-Bromophenyl phenyl ether	<	DL	120	39.6
Butyl benzyl phthalate	<	DL	120	39.6
2-Chloronaphthalene	<	DL	120	39.6
4-Chlorophenyl phenyl ether	<	DL	120	39.6
Chrysene		77.7	120	39.6
Dibenzo(a,h)anthracene	<	DL	120	39.6
1,2-Dichlorobenzene	<	DL	120	39.6
1,3-Dichlorobenzene	<	DL	120	39.6
1,4-Dichlorobenzene	<	DL	120	39.6
3,3'-Dichlorobenzidine	<	DL	120	79.2
Diethyl phthalate	<	DL	120	39.6
Dimethyl phthalate	<	DL	120	39.6
Di-n-butyl phthalate	<	DL	120	39.6
2,4-Dinitrotoluene	<	DL	120	39.6
2,6-Dinitrotoluene	<	DL	120	39.6
Di-n-octyl phthalate	<	DL	120	39.6
1,2-Diphenylhydrazine *	<	DL	120	39.6
Fluoranthene		221	120	39.6
Fluorene		92.3	120	39.6

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260030
CLIENT ID : SBA-01
SAMPLE DATE: 08/24/94
SAMPLE TIME: 12:50

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 23:00 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	120	39.6
Hexachlorobutadiene	<	DL	120	39.6
Hexachlorocyclopentadiene	<	DL	120	39.6
Hexachloroethane	<	DL	120	39.6
Indeno(1,2,3-c,d)pyrene	<	DL	120	39.6
Isophorone	<	DL	120	39.6
Naphthalene		58.5	120	39.6
Nitrobenzene	<	DL	120	39.6
N-Nitrosodimethylamine	<	DL	120	39.6
N-Nitrosodi-n-propylamine	<	DL	120	39.6
N-Nitrosodiphenylamine **	<	DL	120	39.6
Phenanthrene		292	120	39.6
Pyrene		141	120	39.6
1,2,4-Trichlorobenzene	<	DL	120	39.6
2-Chlorophenol	<	DL	120	39.6
2,4-Dichlorophenol	<	DL	120	39.6
2,4-Dimethylphenol	<	DL	120	39.6
4,6-Dinitro-o-cresol	<	DL	120	198
2,4-Dinitrophenol	<	DL	120	198
2-Nitrophenol	<	DL	120	39.6
4-Nitrophenol	<	DL	120	198
p-Chloro-m-cresol	<	DL	120	39.6
Pentachlorophenol	<	DL	120	198
Phenol	<	DL	120	39.6
2,4,6-Trichlorophenol	<	DL	120	39.6

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/a1435.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-SEP-94 23:00 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:20/S-20/0826-30
Misc Info : PRC/BNA/5:20/S-20/0826-30
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 16
Dil Factor: 120.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.733	(0.382)	1153	0.281	1.122(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.540	(0.775)	35540	5.222	20.886(a)
$	4 Phenol-d6	99.00	6.862	(0.960)	35703	5.795	23.180(a)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.147	(1.000)	148483	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.854	(0.888)	23537	3.317	13.269(a)
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.847	(1.000)	496769	40.000	(a)
	29 Naphthalene	128.00	8.876	(1.003)	213731	14.634	58.537(a)

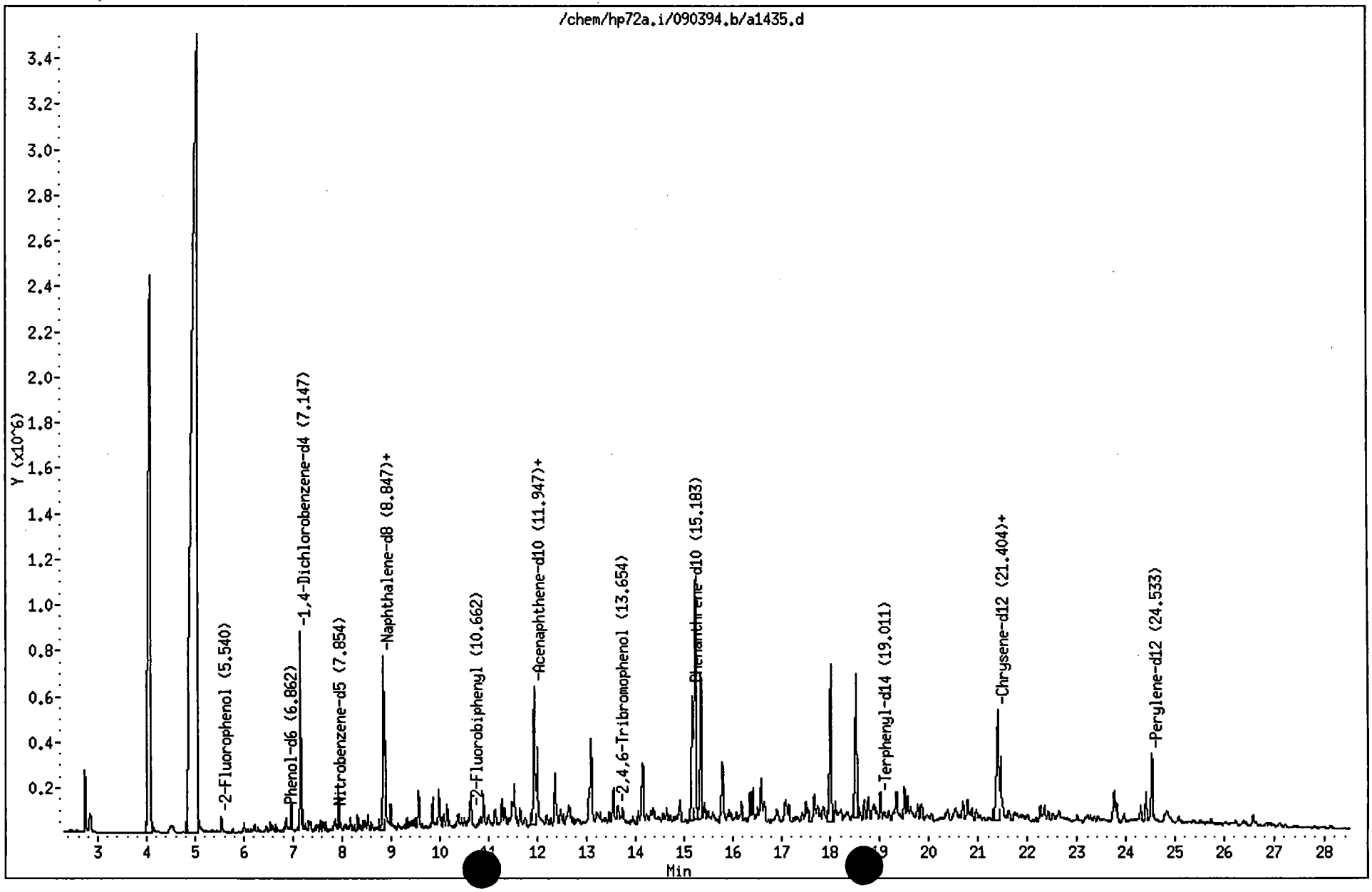
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.876	(1.003)	29267	4.393	17.574(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.990	(1.129)	74015	8.126	32.506(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.662	(0.892)	38631	3.604	14.417(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.647	(0.975)	22120	1.489	5.957(a)
	42 2,6-Dinitrotoluene	165.00	11.940	(0.999)	37091	13.131	52.525(TaQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.947	(1.000)	266088	40.000	(a)
	45 Acenaphthene	152.00	12.004	(1.005)	65492	15.112	60.448(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.461	(1.043)	1126	0.833	3.333(aQ)
	48 Dibenzofuran	168.00	12.369	(1.035)	161858	12.498	49.990(a)
	49 2,4-Dinitrotoluene	165.00	12.397	(1.038)	1038	0.275	1.099(aQ)
	50 Fluorene	166.00	13.097	(1.096)	220167	23.068	92.274(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.404	(0.883)	8958	1.377	5.509(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.654	(1.143)	7858	4.905	19.620(a)
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.183	(1.000)	378421	40.000	(a)
	62 Phenanthrene	178.00	15.247	(1.004)	901955	73.093	292.371(a)
	63 Anthracene	178.00	15.354	(1.011)	525473	42.024	168.098(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	18.011	(1.186)	688374	55.165	220.660(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.511	(0.865)	520133	35.257	141.029(a)
$	68 Terphenyl-d14	244.00	19.011	(0.888)	32589	3.375	13.501(a)
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.383	(0.999)	162804	14.124	56.498(a)
*	71 Chrysene-d12	240.00	21.404	(1.000)	292283	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.461	(1.003)	196455	19.419	77.675(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.761	(0.969)	128531	12.690	50.761(a)
	77 Benzo(k)fluoranthene	252.00	24.304	(0.991)	44368	4.609	18.436(Ta)
	78 Benzo(a)pyrene	252.00	24.411	(0.995)	88163	9.598	38.392(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.533	(1.000)	232551	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.575	(1.083)	50382	6.361	25.445(a)
81 Dibenzo(a,h)anthracene	278.00	26.625	(1.085)	14992	1.824	7.296(a)
82 Benzo(g,h,i)perylene	276.00	27.111	(1.105)	20514	2.449	9.795(a)

QC Flag Legend

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

Data File: /chem/hp72a.i/090394.b/a1435.d
Date : 03-SEP-94 23:00
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260030
CLIENT ID : SBA-01
SAMPLE DATE: 08/24/94
SAMPLE TIME: 12:50

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 09:07
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1372A.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 09:07 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-30/PRC/TCP/200:1/S-1
Misc Info : 0826-30/PRC/TCP/200:1/S-1
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-94 08:15 Cal File: a1371.d
Als bottle: 3
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.616	(0.366)	4942	0.953	4.763(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.516	(0.772)	508134	50.546	252.730
$	4 Phenol-d6	99.00	6.844	(0.958)	430532	46.246	231.231
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.859	(0.960)	2731	0.232	1.161(aQ)
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.144	(1.000)	221379	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	7.851	(1.099)	55441	7.606	38.032(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.851	(0.888)	397262	40.326	201.631
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.451	(0.956)	6985	1.064	5.320(a)
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	8.651	(1.211)	16310	4.621	23.103(aQ)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.837	(1.000)	731447	40.000	
	29 Naphthalene	128.00	8.866	(1.003)	394133	18.018	90.089

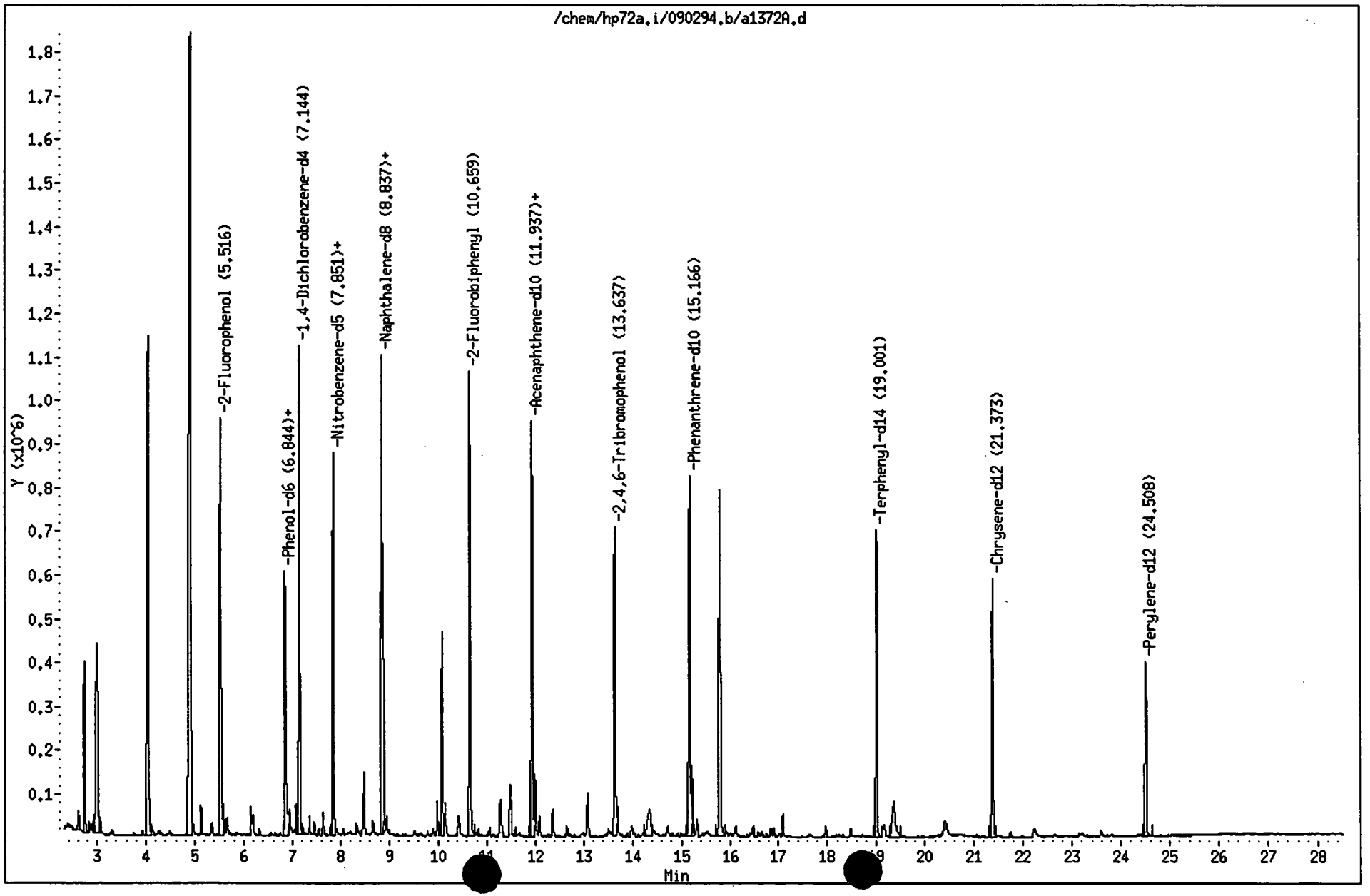
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.880	(1.005)	10150	1.032	5.161(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.980	(1.129)	33718	2.526	12.628(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.659	(0.893)	544848	33.169	165.845
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.994	(1.005)	24997	1.116	5.579(Ta)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.937	(1.000)	398313	40.000	
	45 Acenaphthene	152.00	11.994	(1.005)	24997	3.907	19.535(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.358	(1.035)	45379	2.401	12.003(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.087	(1.096)	52675	3.713	18.564(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.637	(1.142)	150996	70.767	353.837
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.166	(1.000)	544635	40.000	
	62 Phenanthrene	178.00	15.216	(1.003)	103236	5.845	29.226(a)
	63 Anthracene	178.00	15.323	(1.010)	32324	1.823	9.115(a)
	64 Di-n-butylphthalate	149.00	16.744	(1.104)	8783	0.348	1.739(a)
	65 Fluoranthene	202.00	17.965	(1.185)	22091	1.268	6.339(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.480	(0.865)	14972	0.784	3.920(a)
$	68 Terphenyl-d14	244.00	19.001	(0.889)	449623	36.557	182.783
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.373	(1.000)	382626	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.737	(1.017)	8218	0.558	2.788(a)
	75 Di-n-octylphthalate	149.00	23.208	(0.947)	5838	0.238	1.188(a)
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.508	(1.000)	296275	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

Data File: /chem/hp72a.i/090294.b/a1372A.d
Date : 02-SEP-94 09:07
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260031
CLIENT ID : SBA-02
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:00

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 23:37 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene		571	1200	396
Acenaphthylene	<	DL	1200	396
Anthracene		1310	1200	396
Benzidine	<	DL	1200	1580
Benzo(a)anthracene		448	1200	396
Benzo(a)pyrene	<	DL	1200	396
Benzo(b)fluoranthene		419	1200	396
Benzo(ghi)perylene	<	DL	1200	396
Benzo(k)fluoranthene	<	DL	1200	396
bis(2-Chloroethoxy)methane	<	DL	1200	396
bis(2-Chloroethyl)ether	<	DL	1200	396
bis(2-Chloroisopropyl)ether	<	DL	1200	396
bis(2-Ethylhexyl)phthalate	<	DL	1200	396
4-Bromophenyl phenyl ether	<	DL	1200	396
Butyl benzyl phthalate	<	DL	1200	396
2-Chloronaphthalene	<	DL	1200	396
4-Chlorophenyl phenyl ether	<	DL	1200	396
Chrysene		526	1200	396
Dibenzo(a,h)anthracene	<	DL	1200	396
1,2-Dichlorobenzene	<	DL	1200	396
1,3-Dichlorobenzene	<	DL	1200	396
1,4-Dichlorobenzene	<	DL	1200	396
3,3'-Dichlorobenzidine	<	DL	1200	792
Diethyl phthalate	<	DL	1200	396
Dimethyl phthalate	<	DL	1200	396
Di-n-butyl phthalate	<	DL	1200	396
2,4-Dinitrotoluene	<	DL	1200	396
2,6-Dinitrotoluene	<	DL	1200	396
Di-n-octyl phthalate	<	DL	1200	396
1,2-Diphenylhydrazine *	<	DL	1200	396
Fluoranthene		1610	1200	396
Fluorene		707	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000018

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
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(504) 769-4900
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260031
CLIENT ID : SBA-02
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:00

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 23:37 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	1200	396
Hexachlorobutadiene	<	DL	1200	396
Hexachlorocyclopentadiene	<	DL	1200	396
Hexachloroethane	<	DL	1200	396
Indeno(1,2,3-c,d)pyrene	<	DL	1200	396
Isophorone	<	DL	1200	396
Naphthalene		2010	1200	396
Nitrobenzene	<	DL	1200	396
N-Nitrosodimethylamine	<	DL	1200	396
N-Nitrosodi-n-propylamine	<	DL	1200	396
N-Nitrosodiphenylamine **	<	DL	1200	396
Phenanthrene		2380	1200	396
Pyrene		996	1200	396
1,2,4-Trichlorobenzene	<	DL	1200	396
2-Chlorophenol	<	DL	1200	396
2,4-Dichlorophenol	<	DL	1200	396
2,4-Dimethylphenol	<	DL	1200	396
4,6-Dinitro-o-cresol	<	DL	1200	1980
2,4-Dinitrophenol	<	DL	1200	1980
2-Nitrophenol	<	DL	1200	396
4-Nitrophenol	<	DL	1200	1980
p-Chloro-m-cresol	<	DL	1200	396
Pentachlorophenol	<	DL	1200	1980
Phenol	<	DL	1200	396
2,4,6-Trichlorophenol	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000019

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/a1436.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-SEP-94 23:37 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:200/S-2/0826-31
Misc Info : PRC/BNA/5:200/S-2/0826-31
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 17
Dil Factor: 1200.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.732	(0.382)	1265	0.348	13.929(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.532	(0.774)	1679	0.279	11.164(a)
$	4 Phenol-d6	99.00	7.146	(1.000)	2040	0.375	14.985(Ta)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	131233	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.882	(1.004)	1312	0.355	14.213(TaQ)
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.846	(1.000)	428883	40.000	(a)
	29 Naphthalene	128.00	8.875	(1.003)	633392	50.233	2009.330(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.875	(1.003)	89460	15.555	622.193(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.989	(1.129)	98537	12.531	501.252(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.661	(0.892)	2735	0.294	11.761(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.653	(0.975)	16042	1.245	49.781(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.946	(1.000)	230926	40.000	(a)
	45 Acenaphthene	152.00	12.003	(1.005)	53671	14.270	570.804(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.368	(1.035)	480	0.409	16.369(aQ)
	48 Dibenzofuran	168.00	12.368	(1.035)	134314	11.950	477.997(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.096	(1.096)	146431	17.679	707.151(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.403	(0.883)	2784	0.498	19.909(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.182	(1.000)	325425	40.000	(a)
	62 Phenanthrene	178.00	15.239	(1.004)	630494	59.415	2376.595(a)
	63 Anthracene	178.00	15.346	(1.011)	352997	32.828	1313.126(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.996	(1.185)	433213	40.371	1614.825(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.503	(0.865)	309784	24.908	996.305(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.367	(0.999)	108898	11.206	448.255(a)
*	71 Chrysene-d12	240.00	21.396	(1.000)	246414	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.446	(1.002)	112219	13.157	526.286(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.753	(0.969)	88107	10.464	418.542(a)
	77 Benzo(k)fluoranthene	252.00	24.296	(0.991)	31031	3.877	155.090(Ta)
	78 Benzo(a)pyrene	252.00	24.396	(0.995)	65286	8.549	341.964(a)

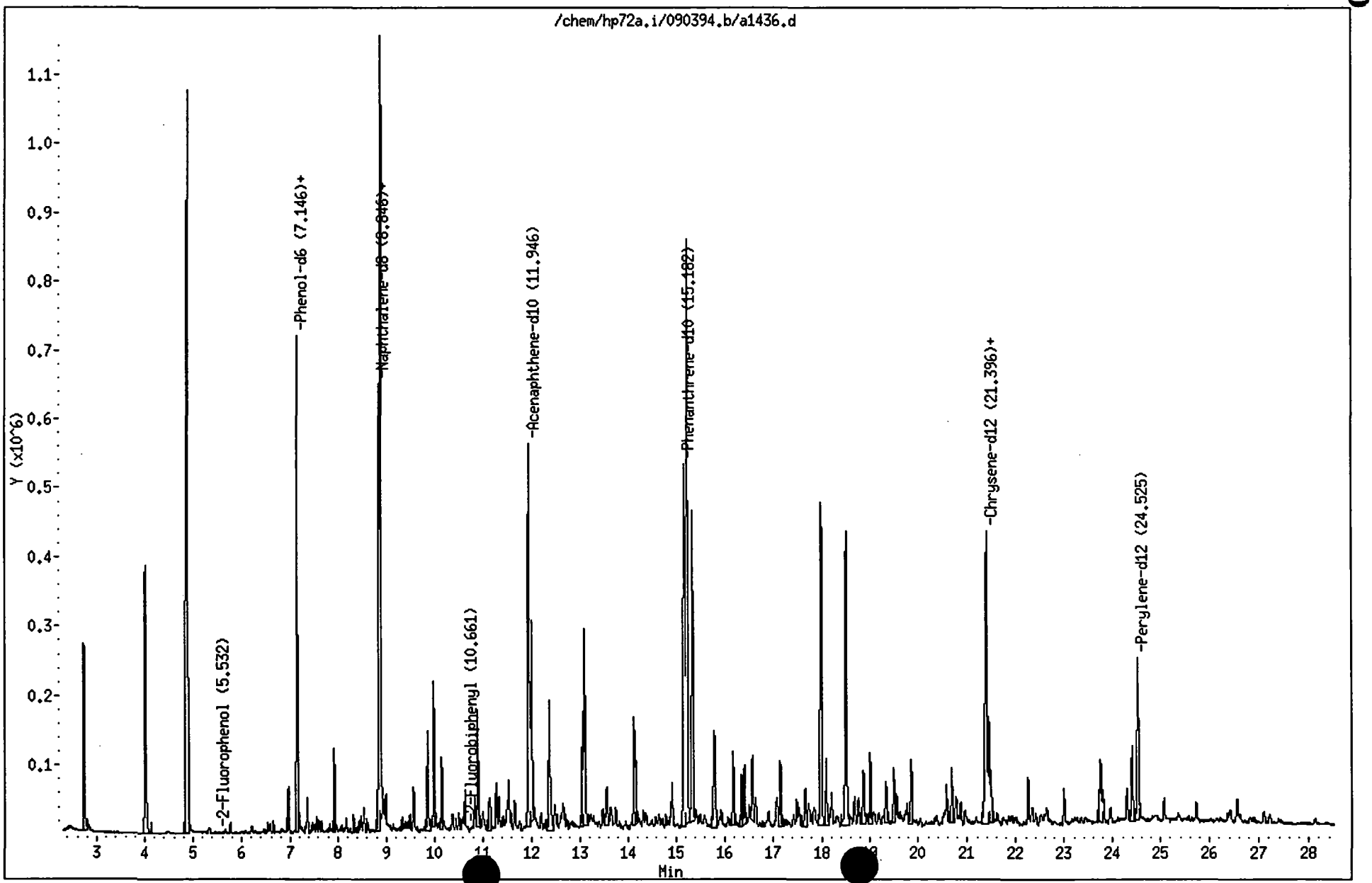
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.525	(1.000)	193337	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.567	(1.083)	38076	5.783	231.305(a)
81 Dibenzo(a,h)anthracene	278.00	26.632	(1.086)	10437	1.527	61.096(a)
82 Benzo(g,h,i)perylene	276.00	27.103	(1.105)	19996	2.871	114.845(a)

QC Flag Legend

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

Data File: /chem/hp72a.i/090394.b/a1436.d
Date : 03-SEP-94 23:37
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000023



Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260031
CLIENT ID : SBA-02
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:00

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 13:52
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1377.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 13:52 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-31
Misc Info : PRC/TCP/200:1/S-1/0826-31
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 9
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.618	(0.366)	3223	0.590	2.949(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.532	(0.774)	538675	50.865	254.326
$	4 Phenol-d6	99.00	6.853	(0.959)	472826	48.212	241.062
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.875	(0.962)	7698	0.621	3.106(aQ)
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	233212	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.346	(1.028)	2274	0.386	1.931(aQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.582	(1.061)	8594	1.038	5.190(a)
	15 Bis(2-chloroisopropyl)ether	45.00	7.118	(0.996)	3737	0.303	1.516(TaQ)
	16 3- & 4-Methylphenol	108.00	7.796	(1.091)	2649	0.345	1.727(aQ)
	17 N-Nitroso-di-n-propylamine	70.00	7.861	(1.100)	50050	6.518	32.592(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.861	(0.888)	364616	37.781	188.907
	20 Nitrobenzene	77.00	8.046	(0.909)	6656	0.674	3.369(aQ)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.453	(0.955)	37873	5.889	29.445(a)
	24 bis(-2-Chloroethoxy)methane	93.00	8.961	(1.012)	8620	0.787	3.933(TaQ)
	25 Benzoic Acid	122.00	8.661	(1.212)	61025	16.411	82.057(Q)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.853	(1.000)	716557	40.000	
	29 Naphthalene	128.00	8.911	(1.006)	4752607	221.781	1108.904(A)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.946	(1.010)	2699	0.280	1.401(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.989	(1.128)	301121	23.023	115.115
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.661	(0.892)	514142	28.749	143.747
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.646	(0.975)	17515	0.718	3.591(a)
	42 2,6-Dinitrotoluene	165.00	11.946	(1.000)	56537	13.030	65.148(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.946	(1.000)	433647	40.000	
	45 Acenaphthene	152.00	12.003	(1.005)	124202	17.831	89.154
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.368	(1.035)	859	0.514	2.571(aQ)
	48 Dibenzofuran	168.00	12.368	(1.035)	259265	12.598	62.988
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.096	(1.096)	230741	14.938	74.691
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.703	(0.903)	3383	0.322	1.609(TaQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.653	(1.143)	175443	75.525	377.626
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.175	(1.000)	621665	40.000	
	62 Phenanthrene	178.00	15.225	(1.003)	415753	20.623	103.115
	63 Anthracene	178.00	15.332	(1.010)	137265	6.782	33.911(a)
	64 Di-n-butylphthalate	149.00	16.753	(1.104)	20496	0.711	3.555(a)
	65 Fluoranthene	202.00	17.975	(1.185)	70293	3.534	17.671(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.482	(0.864)	42965	2.019	10.096(a)
$	68 Terphenyl-d14	244.00	19.010	(0.889)	473307	34.539	172.695
	69 Butylbenzylphthalate	149.00	20.296	(0.949)	435398	35.917	179.584
	70 Benzo(a)anthracene	228.00	21.367	(0.999)	6458	0.388	1.938(a)
*	71 Chrysene-d12	240.00	21.389	(1.000)	426311	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.432	(1.002)	5200	0.354	1.768(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	21.739	(1.016)	15485	0.943	4.716(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

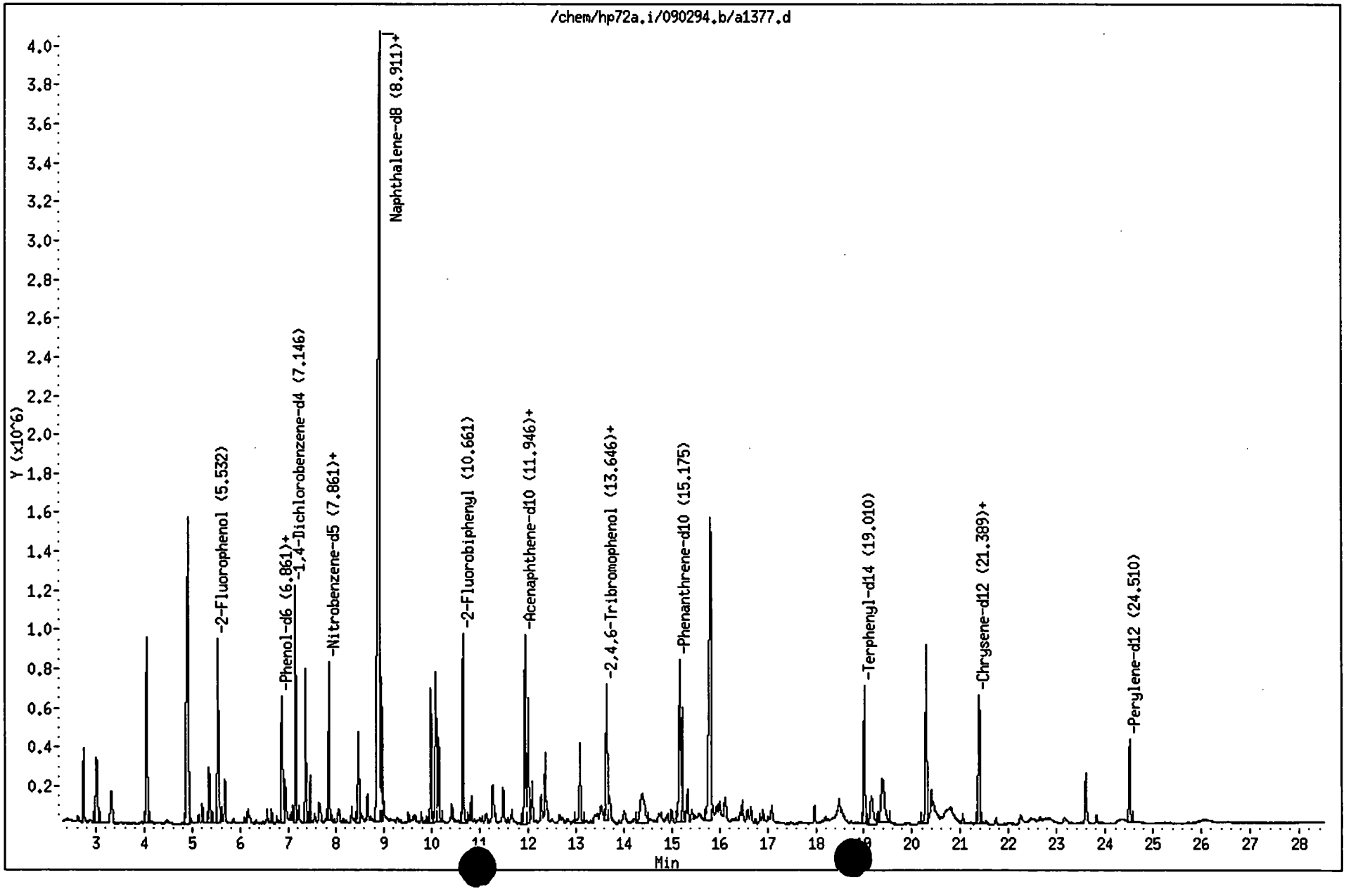
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.510	(1.000)	326875	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
- Qualifier signal failed the ratio test.

0000028

Data File: /chem/hp72a.i/090294.b/a1377.d
Date : 02-SEP-94 13:52
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260032
CLIENT ID : SBA-03
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:20

ANALYST: jmk ANALYSIS DATE: 09/04/94 METHOD: 8270
ANALYSIS TIME: 00:14 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene		1320	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		4910	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene	<	DL	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		1020	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		3110	2400	792
Fluorene		2030	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260032
CLIENT ID : SBA-03
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:20

ANALYST: jmk ANALYSIS DATE: 09/04/94 METHOD: 8270
ANALYSIS TIME: 00:14 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		5730	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		5910	2400	792
Pyrene		1910	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/a1437.d
Lab. Id. : Quant Type: ISTD
Inj Date : 04-SEP-94 00:14 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/0826-32
Misc Info : PRC/BNA/5:400/S-2/0826-32
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 18
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.737	(0.383)	1402	0.409	32.682(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	6.965	(0.975)	1658	0.322	25.785(aQ)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.144	(1.000)	123975	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.880	(1.004)	1811	0.529	42.360(TaQ)
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	8.880	(1.243)	1811	0.865	69.227(aQ)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.844	(1.000)	397279	40.000	(a)
	29 Naphthalene	128.00	8.880	(1.004)	837180	71.677	5734.172(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.887	(1.005)	32679	6.134	490.725(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.987	(1.129)	155351	21.328	1706.254(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.651	(0.975)	65094	5.329	426.311(a)
	42 2,6-Dinitrotoluene	165.00	11.944	(1.000)	31681	13.638	1091.017(TaQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.944	(1.000)	218836	40.000	(a)
	45 Acenaphthene	152.00	12.008	(1.005)	58650	16.455	1316.435(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.372	(1.036)	868	0.781	62.473(aQ)
	48 Dibenzofuran	168.00	12.372	(1.036)	179773	16.878	1350.244(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.101	(1.097)	199365	25.399	2031.946(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.401	(0.883)	5291	1.030	82.433(aQ)
	56 Azobenzene	77.00	13.101	(1.834)	2720	0.252	20.198(TaQ)
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.180	(1.000)	298750	40.000	(a)
	62 Phenanthrene	178.00	15.244	(1.004)	719424	73.849	5907.886(a)
	63 Anthracene	178.00	15.358	(1.012)	605591	61.348	4907.812(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.994	(1.185)	382752	38.853	3108.240(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.501	(0.864)	292219	23.874	1909.911(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.372	(0.999)	92596	9.682	774.584(a)
*	71 Chrysene-d12	240.00	21.401	(1.000)	242507	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.451	(1.002)	106704	12.712	1016.968(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.751	(0.968)	60195	7.371	589.649(a)
	77 Benzo(k)fluoranthene	252.00	24.294	(0.990)	22570	2.908	232.608(Ta)
	78 Benzo(a)pyrene	252.00	24.401	(0.995)	43101	5.819	465.535(a)

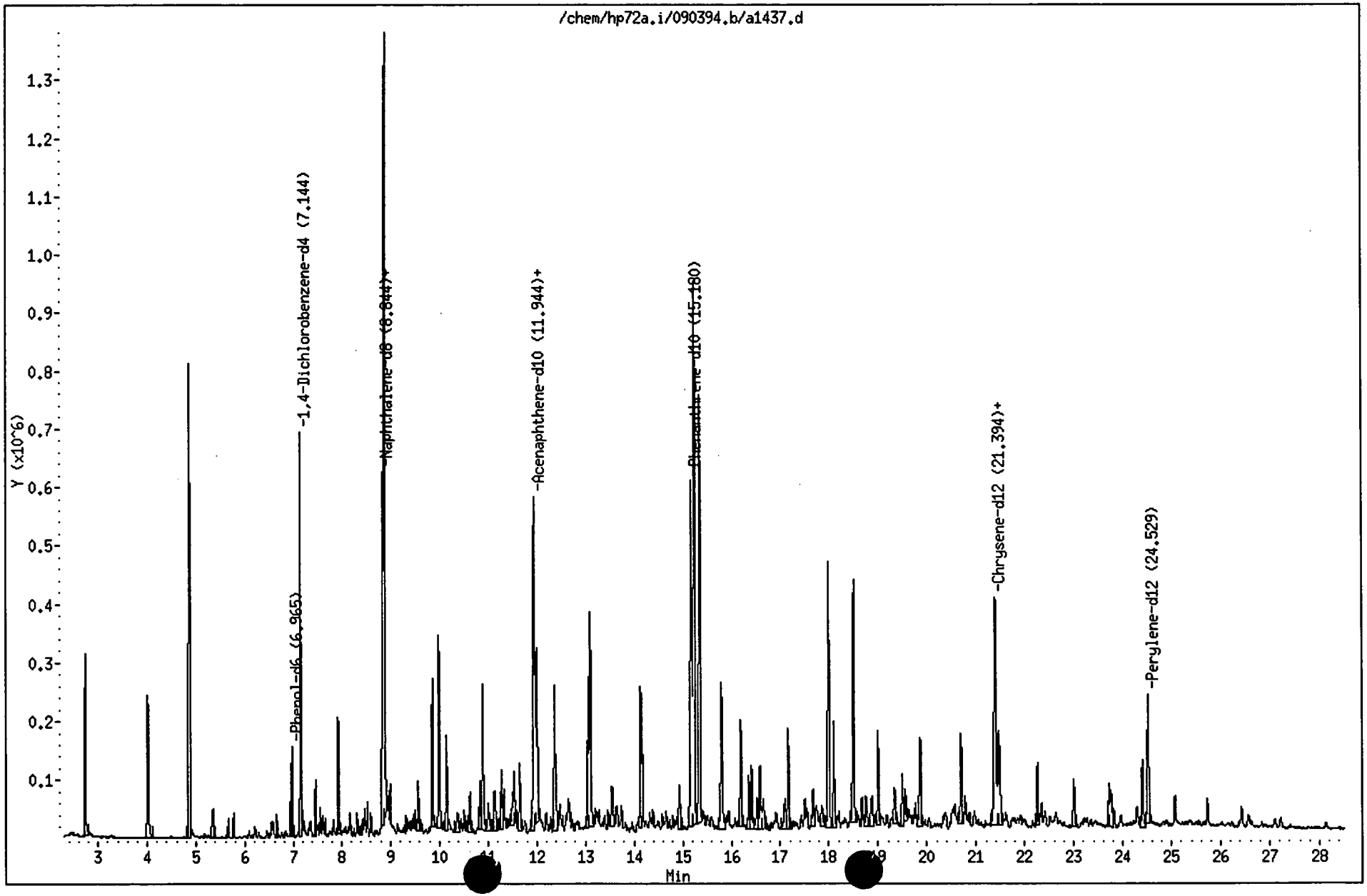
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.529	(1.000)	187517	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.565	(1.083)	24678	3.864	309.135(a)
81 Dibenzo(a,h)anthracene	278.00	26.629	(1.086)	7522	1.135	90.798(a)
82 Benzo(g,h,i)perylene	276.00	27.108	(1.105)	15725	2.328	186.236(a)

QC Flag Legend

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

0000034

Data File: /chem/hp72a.i/090394.b/a1437.d
Date : 04-SEP-94 00:14
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260032
CLIENT ID : SBA-03
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:20

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 10:36
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.5	10	8270
2,4-Dinitrotoluene	< DL	0.13	0.5	10	8270
Hexachlorobenzene	< DL	0.13	0.5	10	8270
Hexachlorobutadiene	< DL	0.5	0.5	10	8270
Hexachloroethane	< DL	3.0	0.5	10	8270
Nitrobenzene	< DL	2.0	0.5	10	8270
Pyridine	< DL	5.0	0.5	10	8270
o-Cresol	< DL	200.0	0.5	10	8270
m & p-Cresol	< DL	200.0	0.5	10	8270
Cresols	< DL	200.0	0.5	10	8270
Pentachlorophenol	< DL	100.0	0.5	10	8270
2,4,5-Trichlorophenol	< DL	400.0	0.5	10	8270
2,4,6-Trichlorophenol	< DL	2.0	0.5	10	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1373.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 10:36 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-32/PRC/TCP/200:10/S-1
Misc Info : 0826-32/PRC/TCP/200:10/S-1
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 4
Dil Factor: 50.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.587	(0.363)	917	0.272	13.617(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.509	(0.772)	33013	5.060	252.983(a)
$	4 Phenol-d6	99.00	6.844	(0.959)	22181	3.671	183.548(a)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.866	(0.962)	3194	0.418	20.916(a)
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.137	(1.000)	143684	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.573	(1.061)	12210	3.366	168.311(aQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.573	(1.061)	12210	2.394	119.684(a)
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	7.780	(1.090)	17010	3.599	179.959(a)
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.852	(0.888)	21054	3.470	173.503(a)
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.444	(0.956)	23448	5.799	289.965(a)
	24 bis(-2-Chloroethoxy)methane	93.00	8.909	(1.008)	22163	3.217	160.833(TaQ)
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.837	(1.000)	450496	40.000	
	29 Naphthalene	128.00	8.873	(1.004)	708471	52.586	2629.322

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.880	(1.005)	16762	2.768	138.395(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.980	(1.129)	28595	3.478	173.876(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.651	(0.893)	39056	3.817	190.850(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.637	(0.975)	14151	1.014	50.702(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.930	(1.000)	248112	40.000	
	45 Acenaphthene	152.00	11.994	(1.005)	6968	1.748	87.420(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.359	(1.036)	18086	1.536	76.797(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.087	(1.097)	14604	1.652	82.624(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.687	(0.902)	1698	0.290	14.475(TaQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.651	(1.144)	3305	2.487	124.333(a)
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.166	(1.000)	346916	40.000	
	62 Phenanthrene	178.00	15.208	(1.003)	24138	2.146	107.280(a)
	63 Anthracene	178.00	15.323	(1.010)	9526	0.843	42.171(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	18.994	(0.889)	37041	4.286	214.306(a)
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.373	(1.000)	268850	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

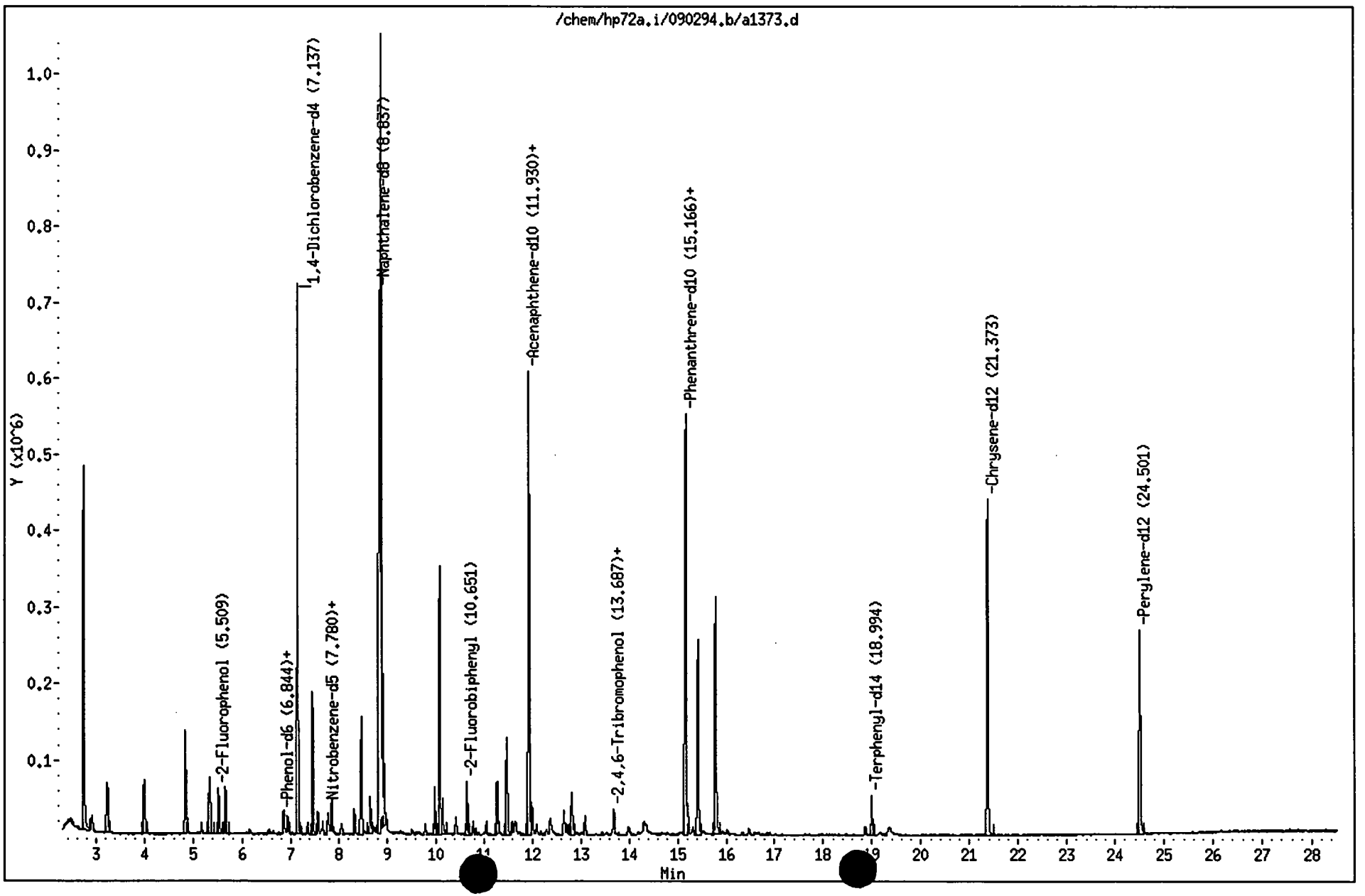
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.501	(1.000)	205165	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

Data File: /chem/hp72a.i/090294.b/a1373.d
Date : 02-SEP-94 10:36
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000039



Inchcape Testing Services
Environmental Laboratories

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(504) 769-4900
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260033
CLIENT ID : SBA-04
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:30

ANALYST: jmk ANALYSIS DATE: 09/04/94 METHOD: 8270
ANALYSIS TIME: 00:51 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene		942	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		3350	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene	<	DL	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		906	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		2740	2400	792
Fluorene		1620	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260033
CLIENT ID : SBA-04
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:30

ANALYST: jmk ANALYSIS DATE: 09/04/94 METHOD: 8270
ANALYSIS TIME: 00:51 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		3420	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		4980	2400	792
Pyrene		1780	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/a1438.d
Lab. Id. : Quant Type: ISTD
Inj Date : 04-SEP-94 00:51 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2 /0826-33
Misc Info : PRC/BNA/5:400/S-2 /0826-33
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 19
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
1	n-Nitrosodimethylamine	42.00	2.738	(0.383)	1076	0.316	25.313(a)
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	Compound Not Detected.				
$ 4	Phenol-d6	99.00	7.145	(1.000)	1566	0.307	24.577(Ta)
5	Aniline	93.00	Compound Not Detected.				
6	Phenol	94.00	Compound Not Detected.				
7	bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
8	2-Chlorophenol	128.00	Compound Not Detected.				
9	1,3-Dichlorobenzene	146.00	Compound Not Detected.				
10	1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	122848	40.000	(a)
11	1,4-Dichlorobenzene	146.00	Compound Not Detected.				
12	Benzyl alcohol	108.00	Compound Not Detected.				
13	1,2-Dichlorobenzene	146.00	Compound Not Detected.				
14	2-Methylphenol	108.00	Compound Not Detected.				
15	Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
16	3- & 4-Methylphenol	108.00	Compound Not Detected.				
17	N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
18	Hexachloroethane	117.00	Compound Not Detected.				
$ 19	Nitrobenzene-d5	82.00	Compound Not Detected.				
20	Nitrobenzene	77.00	Compound Not Detected.				
21	Isophorone	82.00	Compound Not Detected.				
22	2-Nitrophenol	139.00	Compound Not Detected.				
23	2,4-Dimethyphenol	122.00	8.874	(1.003)	879	0.262	20.964(TaQ)
24	bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
25	Benzoic Acid	122.00	Compound Not Detected.				
26	2,4-Dichlorophenol	162.00	Compound Not Detected.				
27	1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
* 28	Naphthalene-d8	136.00	8.845	(1.000)	389616	40.000	(a)
29	Naphthalene	128.00	8.874	(1.003)	489230	42.710	3416.833(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.874	(1.003)	53980	10.332	826.535(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.988	(1.129)	99229	13.891	1111.289(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.645	(0.975)	47987	4.020	321.593(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.945	(1.000)	213856	40.000	(a)
	45 Acenaphthene	152.00	12.002	(1.005)	41004	11.772	941.792(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.366	(1.035)	505	0.465	37.193(aQ)
	48 Dibenzofuran	168.00	12.366	(1.035)	136937	13.156	1052.461(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.095	(1.096)	155281	20.244	1619.492(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.402	(0.883)	4071	0.811	64.883(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.181	(1.000)	292041	40.000	(a)
	62 Phenanthrene	178.00	15.238	(1.004)	592935	62.263	4981.021(a)
	63 Anthracene	178.00	15.352	(1.011)	404650	41.934	3354.688(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.995	(1.185)	329283	34.193	2735.461(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.502	(0.865)	254662	22.309	1784.702(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.373	(0.999)	75824	8.501	680.111(a)
*	71 Chrysene-d12	240.00	21.395	(1.000)	226166	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.445	(1.002)	88642	11.323	905.865(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.752	(0.969)	50494	6.607	528.598(a)
	77 Benzo(k)fluoranthene	252.00	24.295	(0.991)	18025	2.482	198.528(Ta)
	78 Benzo(a)pyrene	252.00	24.395	(0.995)	35902	5.180	414.416(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.523	(1.000)	175464	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.566	(1.083)	19476	3.259	260.730(a)
81 Dibenzo(a,h)anthracene	278.00	26.623	(1.086)	6091	0.982	78.575(a)
82 Benzo(g,h,i)perylene	276.00	27.102	(1.105)	12440	1.968	157.452(a)

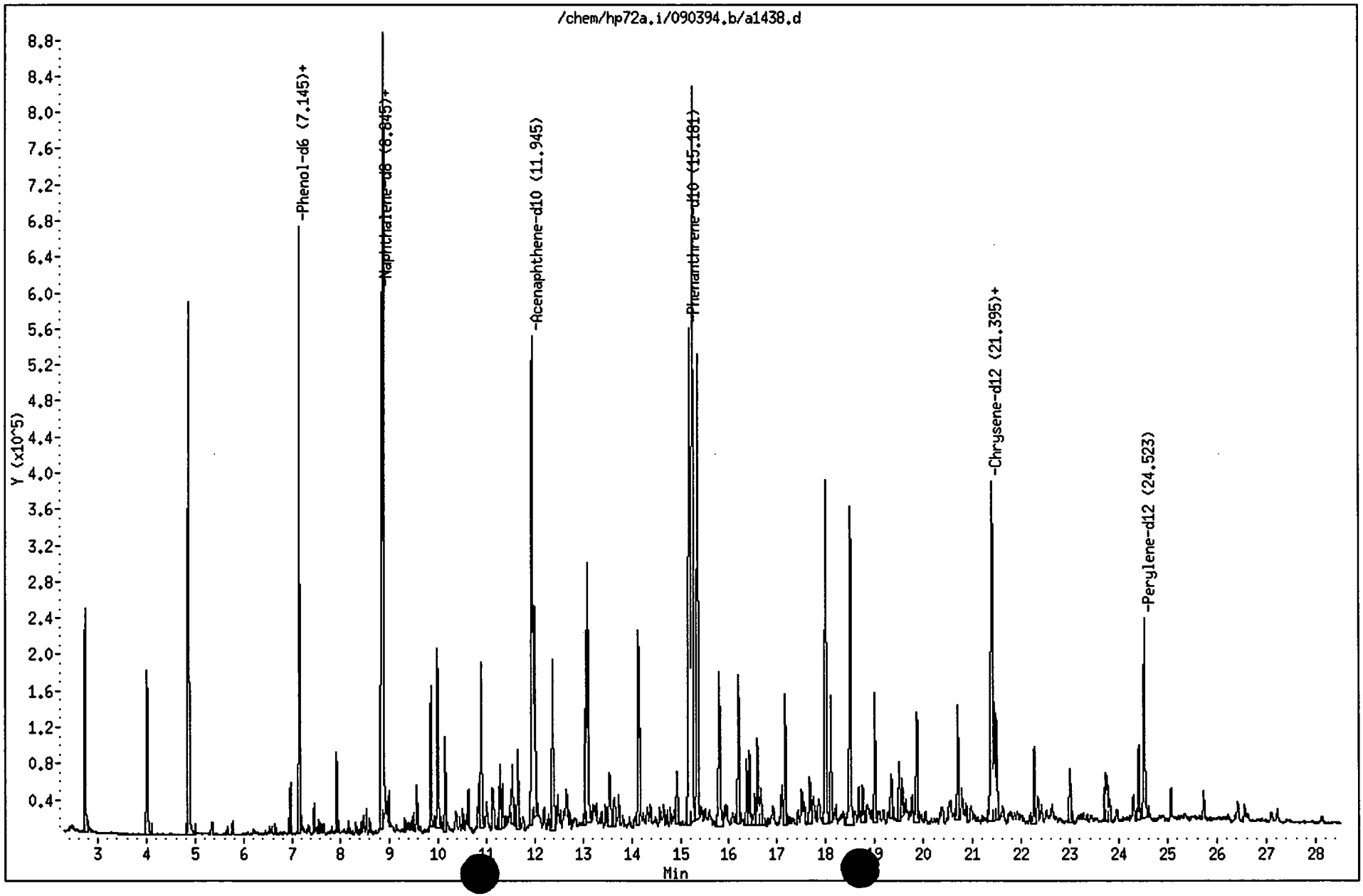
QC Flag Legend

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

Data File: /chem/hp72a.i/090394.b/a1438.d
Date : 04-SEP-94 00:51
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000045



Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :

SAMPLE NO : 9408260033
CLIENT ID : SBA-04
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:30

REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

ANALYST: jmk

ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 11:56

PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	0.11	200.0	0.05	1	8270
m & p-Cresol	0.17	200.0	0.05	1	8270
Cresols	0.28	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1374.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 11:56 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-33/PRC/TCP/200:1/S-1
Misc Info : 0826-33/PRC/TCP/200:1/S-1
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 6
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.617	(0.366)	4377	0.856	4.281(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.531	(0.774)	458538	46.283	231.417
$	4 Phenol-d6	99.00	6.853	(0.959)	413908	45.115	225.573
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.874	(0.962)	18162	1.567	7.833(aQ)
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	218170	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.581	(1.061)	167131	30.346	151.729(TQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.581	(1.061)	167131	21.578	107.892
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	7.788	(1.090)	249871	34.820	174.100
	17 N-Nitroso-di-n-propylamine	70.00	7.860	(1.100)	52872	7.361	36.803(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.860	(0.888)	368929	40.121	200.604
	20 Nitrobenzene	77.00	8.038	(0.908)	6170	0.656	3.278(aQ)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.460	(0.956)	252816	41.257	206.286
	24 bis(-2-Chloroethoxy)methane	93.00	8.474	(0.957)	29988	2.872	14.359(aQ)
	25 Benzoic Acid	122.00	8.738	(1.223)	60463	17.381	86.907(Q)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.853	(1.000)	682757	40.000	
	29 Naphthalene	128.00	8.903	(1.006)	3661054	179.301	896.505

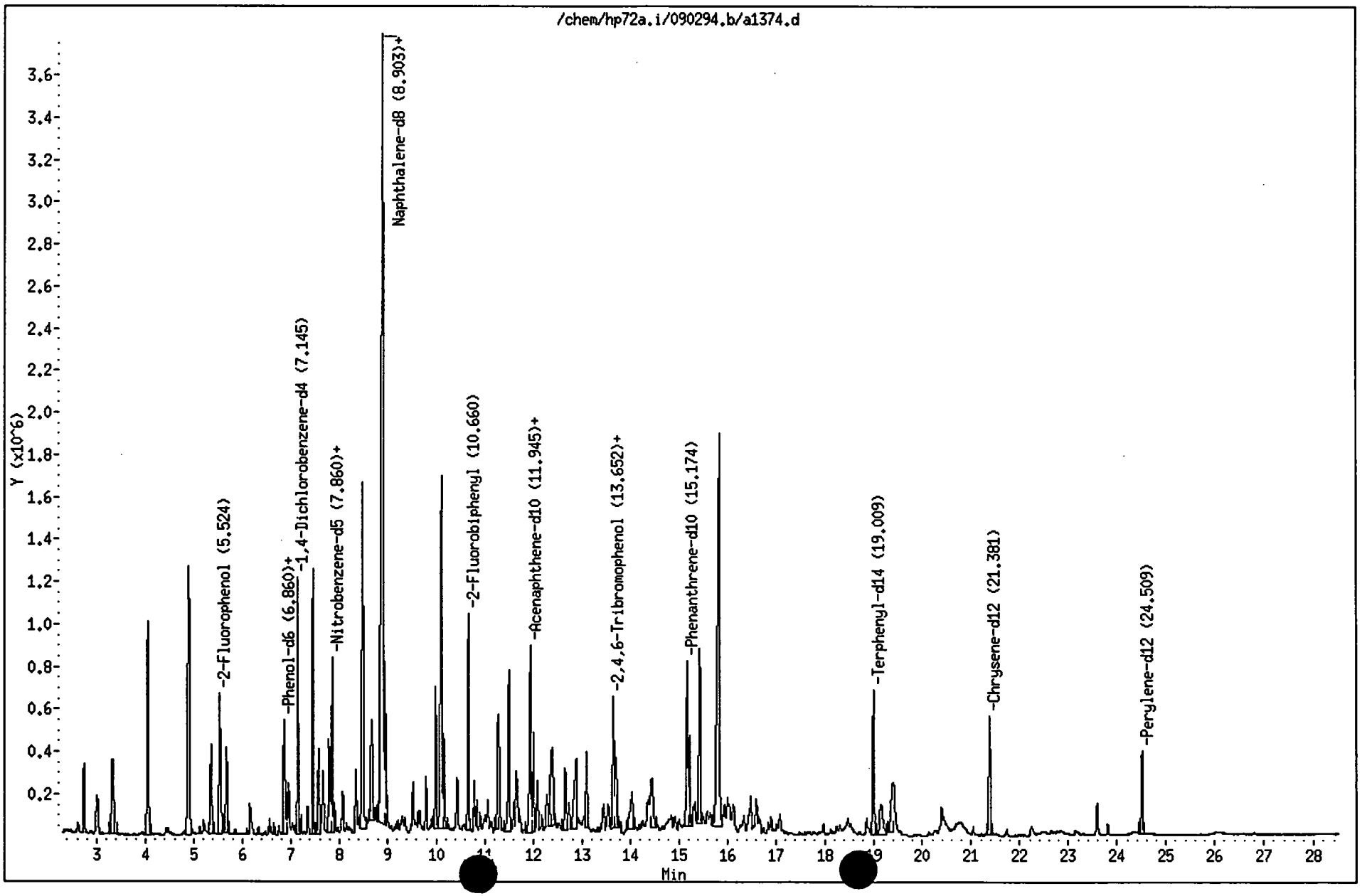
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.938	(1.010)	3786	0.413	2.063(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	10.074	(1.138)	5575	0.861	4.307(TaQ)
	33 2-Methylnaphthalene	142.00	9.988	(1.128)	300694	24.128	120.642
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.660	(0.892)	542286	33.176	165.881
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.645	(0.975)	195683	8.778	43.889(a)
	42 2,6-Dinitrotoluene	165.00	11.945	(1.000)	52754	13.302	66.509(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.945	(1.000)	396353	40.000	
	45 Acenaphthene	152.00	12.002	(1.005)	89231	14.016	70.078
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.367	(1.035)	528	0.346	1.729(aQ)
	48 Dibenzofuran	168.00	12.367	(1.035)	235657	12.528	62.639
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.095	(1.096)	202474	14.342	71.708
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.710	(0.903)	16861	1.806	9.030(TaQ)
	56 Azobenzene	77.00	13.452	(1.883)	7190	0.410	2.049(aQ)
$	57 2,4,6-Tribromophenol	330.00	13.652	(1.143)	150917	71.080	355.401
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.174	(1.000)	552220	40.000	
	62 Phenanthrene	178.00	15.224	(1.003)	323219	18.049	90.246
	63 Anthracene	178.00	15.331	(1.010)	128326	7.138	35.689(a)
	64 Di-n-butylphthalate	149.00	16.752	(1.104)	17345	0.677	3.387(a)
	65 Fluoranthene	202.00	17.974	(1.185)	35637	2.017	10.086(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.481	(0.864)	21902	1.161	5.805(a)
$	68 Terphenyl-d14	244.00	19.009	(0.889)	455653	37.503	187.517
	69 Butylbenzylphthalate	149.00	20.274	(0.948)	4281	0.398	1.992(aQ)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.381	(1.000)	377970	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.017)	14675	1.008	5.040(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.509	(1.000)	282916	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

Data File: /chem/hp72a.i/090294.b/a1374.d
Date : 02-SEP-94 11:56
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
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FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260034
CLIENT ID : SBA-05
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk ANALYSIS DATE: 09/07/94 METHOD: 8270
ANALYSIS TIME: 16:12 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		2210	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene	<	DL	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		834	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		2490	2400	792
Fluorene		1270	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260034
CLIENT ID : SBA-05
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk ANALYSIS DATE: 09/07/94 METHOD: 8270
ANALYSIS TIME: 16:12 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		2480	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		4320	2400	792
Pyrene		1650	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1453.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 16:12 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/0826-34
Misc Info : PRC/BNA/5:400/S-2/0826-34
Comment :
Method : /chem/hp72a.i/090594.b/cca102.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 4
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
1	n-Nitrosodimethylamine	42.00	2.733	(0.383)	1437	0.318	25.428(a)
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	Compound Not Detected.				
$ 4	Phenol-d6	99.00	6.962	(0.975)	1703	0.259	20.732(aQ)
5	Aniline	93.00	Compound Not Detected.				
6	Phenol	94.00	Compound Not Detected.				
7	bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
8	2-Chlorophenol	128.00	Compound Not Detected.				
9	1,3-Dichlorobenzene	146.00	Compound Not Detected.				
10	1,4-Dichlorobenzene-d4	152.00	7.140	(1.000)	168117	40.000	(a)
11	1,4-Dichlorobenzene	146.00	Compound Not Detected.				
12	Benzyl alcohol	108.00	Compound Not Detected.				
13	1,2-Dichlorobenzene	146.00	Compound Not Detected.				
14	2-Methylphenol	108.00	Compound Not Detected.				
15	Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
16	3- & 4-Methylphenol	108.00	Compound Not Detected.				
17	N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
18	Hexachloroethane	117.00	Compound Not Detected.				
$ 19	Nitrobenzene-d5	82.00	Compound Not Detected.				
20	Nitrobenzene	77.00	Compound Not Detected.				
21	Isophorone	82.00	Compound Not Detected.				
22	2-Nitrophenol	139.00	Compound Not Detected.				
23	2,4-Dimethyphenol	122.00	Compound Not Detected.				
24	bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
25	Benzoic Acid	122.00	Compound Not Detected.				
26	2,4-Dichlorophenol	162.00	Compound Not Detected.				
27	1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
* 28	Naphthalene-d8	136.00	8.840	(1.000)	570715	40.000	(a)
29	Naphthalene	128.00	8.876	(1.004)	320503	20.122	1609.728(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.905	(1.007)	2469	0.345	27.576(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.983	(1.129)	76442	7.371	589.685(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.647	(0.975)	39204	2.360	188.761(a)
	42 2,6-Dinitrotoluene	165.00	11.947	(1.000)	44200	13.774	1101.885(TaQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.947	(1.000)	314728	40.000	(a)
	45 Acenaphthene	152.00	12.005	(1.005)	24470	5.111	408.918(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.583	(1.053)	1152	0.762	60.972(aQ)
	48 Dibenzofuran	168.00	12.369	(1.035)	89424	6.275	502.005(a)
	49 2,4-Dinitrotoluene	165.00	12.076	(1.011)	1568	0.364	29.097(Ta)
	50 Fluorene	166.00	13.097	(1.096)	108058	10.209	816.745(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.405	(0.883)	6133	0.880	70.405(a)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.183	(1.000)	439291	40.000	(a)
	62 Phenanthrene	178.00	15.240	(1.004)	427581	32.920	2633.631(a)
	63 Anthracene	178.00	15.347	(1.011)	227253	17.624	1409.887(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.997	(1.185)	250264	19.582	1566.551(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.504	(0.865)	189693	11.648	931.833(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.376	(0.999)	57049	4.497	359.726(a)
*	71 Chrysene-d12	240.00	21.404	(1.000)	363061	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.454	(1.002)	77999	7.257	580.578(aM)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.754	(0.968)	37482	3.630	290.369(a)
	77 Benzo(k)fluoranthene	252.00	24.297	(0.990)	14917	1.517	121.346(Ta)
	78 Benzo(a)pyrene	252.00	24.404	(0.995)	28086	3.146	251.677(a)

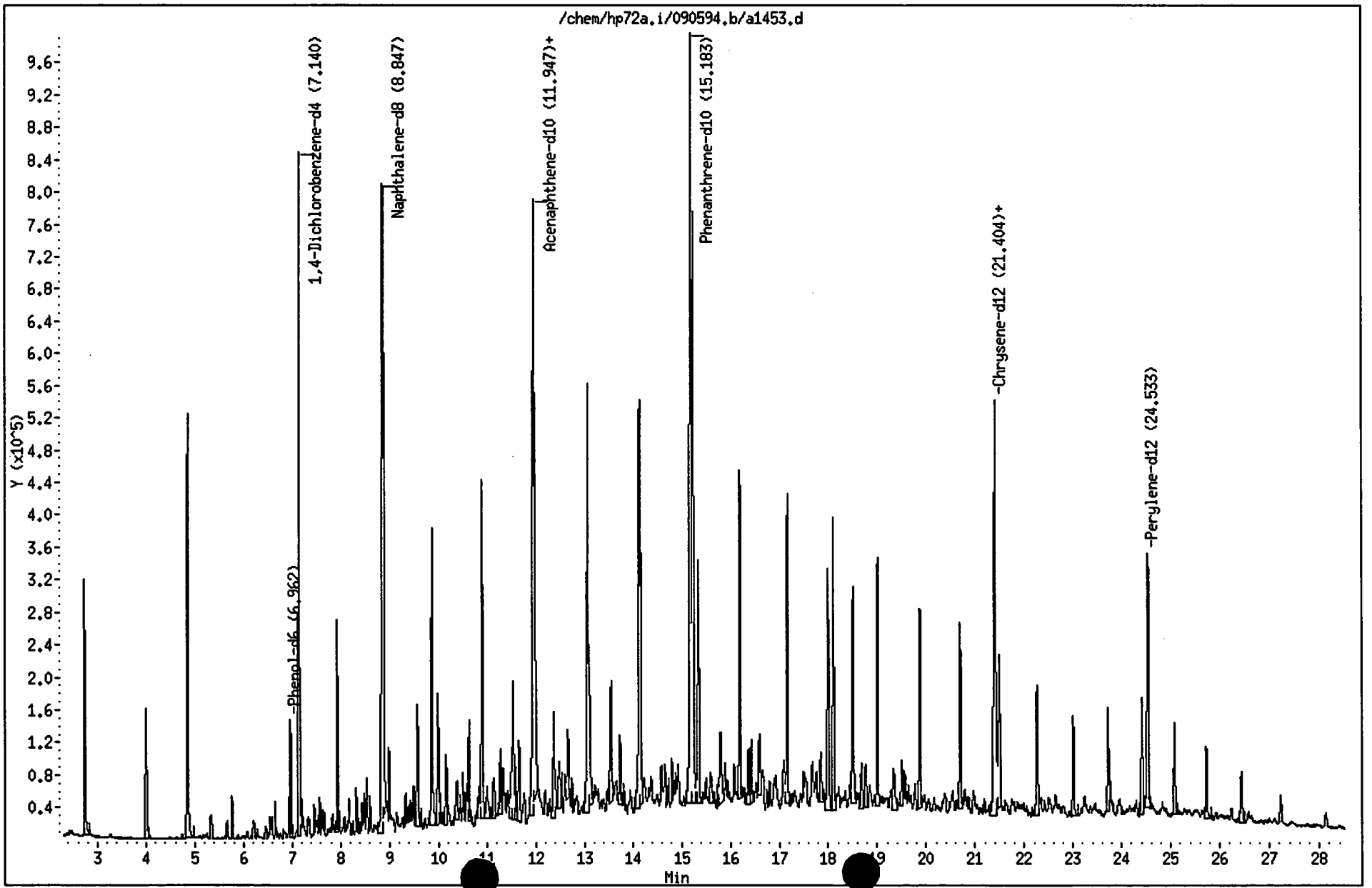
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.533	(1.000)	278970	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.568	(1.083)	13285	1.741	139.298(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	27.111	(1.105)	8077	1.042	83.369(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
- Compound response manually integrated.

0000056

Data File: /chem/hp72a.i/090594.b/a1453.d
Date : 05-SEP-94 16:12
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090794.b/a1499.d
Lab. Id. : Quant Type: ISTD
Inj Date : 07-SEP-94 21:38 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/0826-34
Misc Info : PRC/BNA/5:400/S-2/0826-34
Comment :
Method : /chem/hp72a.i/090794.b/ccal02.m
Meth Date : 07-Sep-1994 17:13
Cal Date : 07-SEP-94 16:35 Cal File: a1491.d
Als bottle: 10
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.681	(0.379)	2481	0.974	77.881(Ta)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	6.903	(0.975)	996	0.256	20.512(aQ)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.081	(1.000)	89966	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.767	(1.000)	290517	40.000	(a)
	29 Naphthalene	128.00	8.795	(1.003)	252883	31.016	2481.290(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.795	(1.003)	35779	13.990	1119.182(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.902	(1.130)	57746	11.438	915.063(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.552	(0.975)	29791	3.894	311.558(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.852	(1.000)	148431	40.000	(a)
	45 Acenaphthene	152.00	11.910	(1.005)	20298	9.004	720.326(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.324	(1.040)	234	0.226	18.077(aQ)
	48 Dibenzofuran	168.00	12.274	(1.036)	67756	10.092	807.337(a)
	49 2,4-Dinitrotoluene	165.00	11.852	(1.000)	18797	10.225	817.993(TaQ)
	50 Fluorene	166.00	13.002	(1.097)	79144	15.865	1269.238(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.310	(0.883)	4267	1.354	108.280(aQ)
	56 Azobenzene	77.00	13.538	(1.912)	1935	0.259	20.688(aQ)
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.074	(1.000)	208892	40.000	(a)
	62 Phenanthrene	178.00	15.138	(1.004)	337973	53.997	4319.787(a)
	63 Anthracene	178.00	15.245	(1.011)	170620	27.658	2212.637(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.888	(1.187)	195759	31.126	2490.084(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.395	(0.864)	149569	20.646	1651.671(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.259	(0.999)	51084	8.259	660.728(aM)
*	71 Chrysene-d12	240.00	21.288	(1.000)	184891	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.338	(1.002)	57248	10.427	834.125(aM)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.638	(0.968)	34614	4.767	381.355(a)
	77 Benzo(k)fluoranthene	252.00	24.181	(0.990)	14241	1.998	159.848(Ta)
	78 Benzo(a)pyrene	252.00	24.288	(0.994)	26633	3.962	316.971(a)

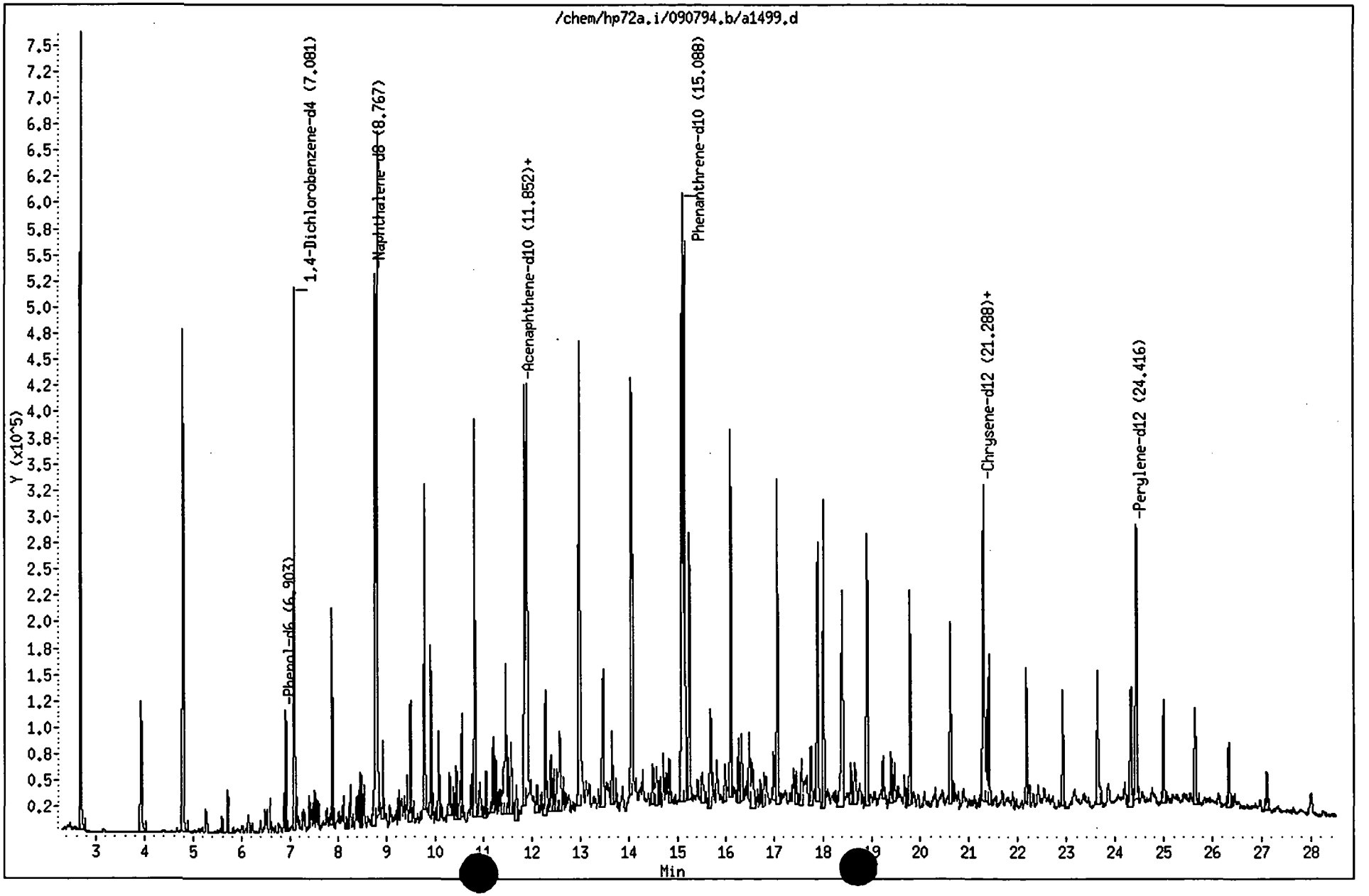
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.424	(1.000)	211897	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.431	(1.082)	13569	2.095	167.573(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	26.959	(1.104)	8160	1.237	98.928(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
- Compound response manually integrated.

090000

Data File: /chem/hp72a.i/090794.b/a1499.d
Date : 07-SEP-94 21:38
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260034
CLIENT ID : SBA-05
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 12:33
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	0.13	200.0	0.05	1	8270
m & p-Cresol	0.13	200.0	0.05	1	8270
Cresols	0.26	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1375.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 12:33 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-34PRC/TCP/200:1/S-1
Misc Info : 0826-34PRC/TCP/200:1/S-1
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 7
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.617	(0.366)	2821	0.531	2.657(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.539	(0.775)	505748	49.166	245.831
$	4 Phenol-d6	99.00	6.860	(0.960)	451320	47.378	236.892
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.881	(0.963)	40034	3.326	16.629(aQ)
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	226523	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.581	(1.061)	207124	36.220	181.102(TQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.581	(1.061)	207124	25.756	128.779
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	7.803	(1.092)	197233	26.471	132.356
	17 N-Nitroso-di-n-propylamine	70.00	7.860	(1.100)	58010	7.778	38.890(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.860	(0.889)	402119	41.058	205.289
	20 Nitrobenzene	77.00	8.074	(0.913)	22834	2.278	11.389(aQ)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.467	(0.957)	265607	40.696	203.479
	24 bis(-2-Chloroethoxy)methane	93.00	8.481	(0.959)	31656	2.846	14.231(aQ)
	25 Benzoic Acid	122.00	8.689	(1.216)	290467	80.422	402.109(Q)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.846	(1.000)	727196	40.000	
	29 Naphthalene	128.00	8.889	(1.005)	1997858	91.866	459.331

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.903	(1.006)	13743	1.406	7.029(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.989	(1.129)	118163	8.902	44.511(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.667	(0.893)	612685	35.145	175.727
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.653	(0.975)	88941	3.741	18.704(a)
	42 2,6-Dinitrotoluene	165.00	11.946	(1.000)	53592	12.670	63.351(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.946	(1.000)	422716	40.000	
	45 Acenaphthene	152.00	12.003	(1.005)	28161	4.147	20.737(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.481	(1.045)	1288	0.791	3.955(aQ)
	48 Dibenzofuran	168.00	12.367	(1.035)	82172	4.096	20.480(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.096	(1.096)	71038	4.718	23.590(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.710	(0.903)	18489	1.847	9.235(TaQ)
	56 Azobenzene	77.00	13.446	(1.882)	5311	0.292	1.458(aQ)
$	57 2,4,6-Tribromophenol	330.00	13.660	(1.143)	175039	77.300	386.499
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.174	(1.000)	592102	40.000	
	62 Phenanthrene	178.00	15.224	(1.003)	126267	6.576	32.880(a)
	63 Anthracene	178.00	15.338	(1.011)	60143	3.120	15.600(a)
	64 Di-n-butylphthalate	149.00	16.753	(1.104)	20478	0.746	3.729(a)
	65 Fluoranthene	202.00	17.981	(1.185)	14610	0.771	3.856(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.488	(0.864)	8691	0.399	1.995(a)
$	68 Terphenyl-d14	244.00	19.017	(0.889)	519714	37.051	185.255
	69 Butylbenzylphthalate	149.00	20.281	(0.948)	10855	0.875	4.374(a)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.388	(1.000)	436373	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.016)	14650	0.872	4.358(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

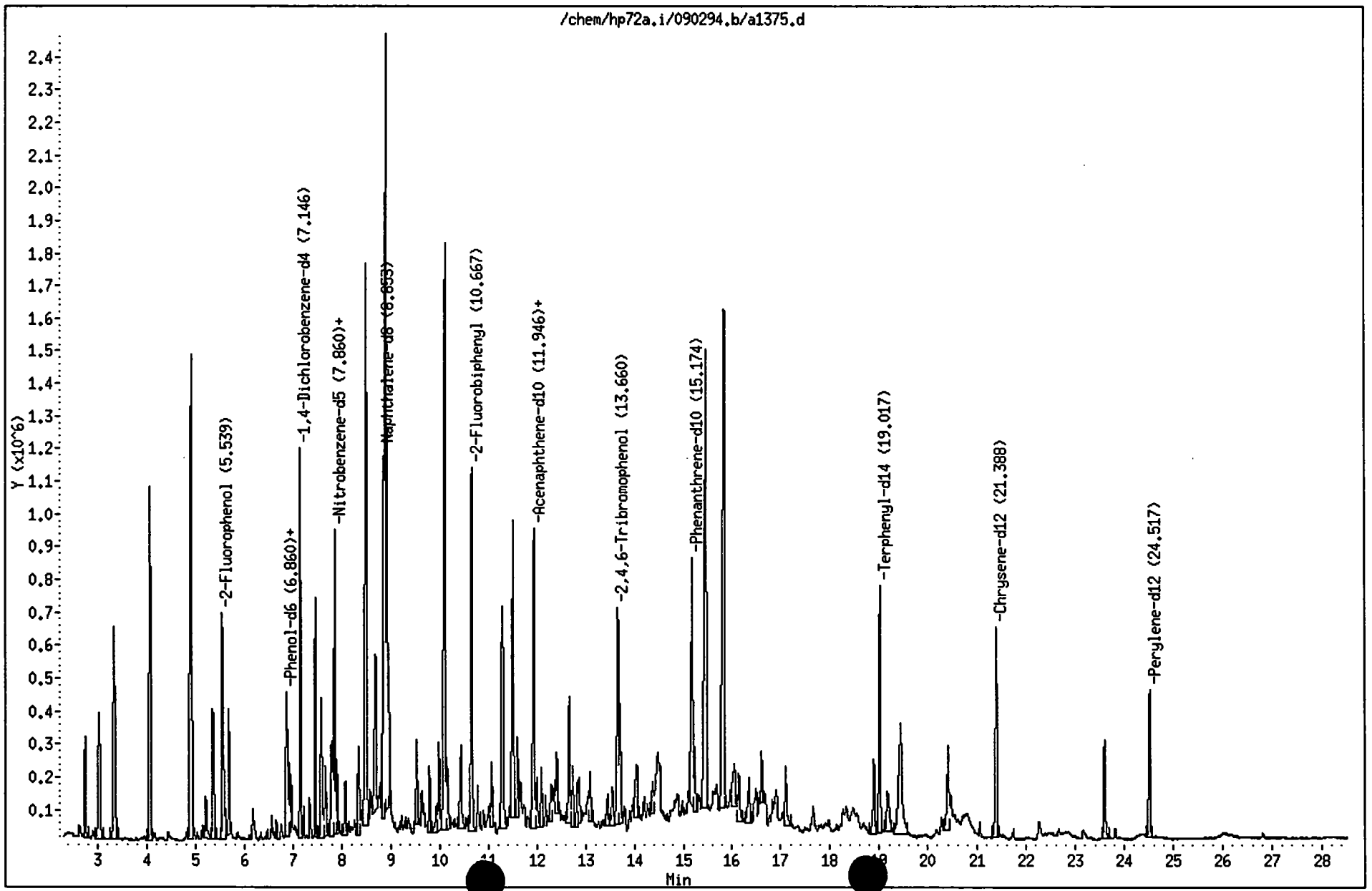
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.517	(1.000)	342465	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

00000065

Data File: /chem/hp72a.i/090294.b/a1375.d
Date : 02-SEP-94 12:33
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260037
CLIENT ID : SBA-06
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:10

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 16:51 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		1170	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene	<	DL	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		869	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		3120	2400	792
Fluorene		954	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260037
CLIENT ID : SBA-06
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:10

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 16:51 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		2330	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		4700	2400	792
Pyrene		1660	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1454.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 16:51 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/0826-37
Misc Info : PRC/BNA/5:400/S-2/0826-37
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 5
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
1	n-Nitrosodimethylamine	42.00	2.730	(0.382)	1183	0.401	32.062(a)
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	Compound Not Detected.				
$ 4	Phenol-d6	99.00	7.145	(1.000)	1332	0.310	24.836(TaQ)
5	Aniline	93.00	Compound Not Detected.				
6	Phenol	94.00	Compound Not Detected.				
7	bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
8	2-Chlorophenol	128.00	Compound Not Detected.				
9	1,3-Dichlorobenzene	146.00	Compound Not Detected.				
10	1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	109765	40.000	(a)
11	1,4-Dichlorobenzene	146.00	Compound Not Detected.				
12	Benzyl alcohol	108.00	Compound Not Detected.				
13	1,2-Dichlorobenzene	146.00	Compound Not Detected.				
14	2-Methylphenol	108.00	Compound Not Detected.				
15	Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
16	3- & 4-Methylphenol	108.00	Compound Not Detected.				
17	N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
18	Hexachloroethane	117.00	Compound Not Detected.				
$ 19	Nitrobenzene-d5	82.00	Compound Not Detected.				
20	Nitrobenzene	77.00	Compound Not Detected.				
21	Isophorone	82.00	Compound Not Detected.				
22	2-Nitrophenol	139.00	Compound Not Detected.				
23	2,4-Dimethyphenol	122.00	Compound Not Detected.				
24	bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
25	Benzoic Acid	122.00	Compound Not Detected.				
26	2,4-Dichlorophenol	162.00	Compound Not Detected.				
27	1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
* 28	Naphthalene-d8	136.00	8.845	(1.000)	347448	40.000	(a)
29	Naphthalene	128.00	8.873	(1.003)	282259	29.108	2328.615(a)

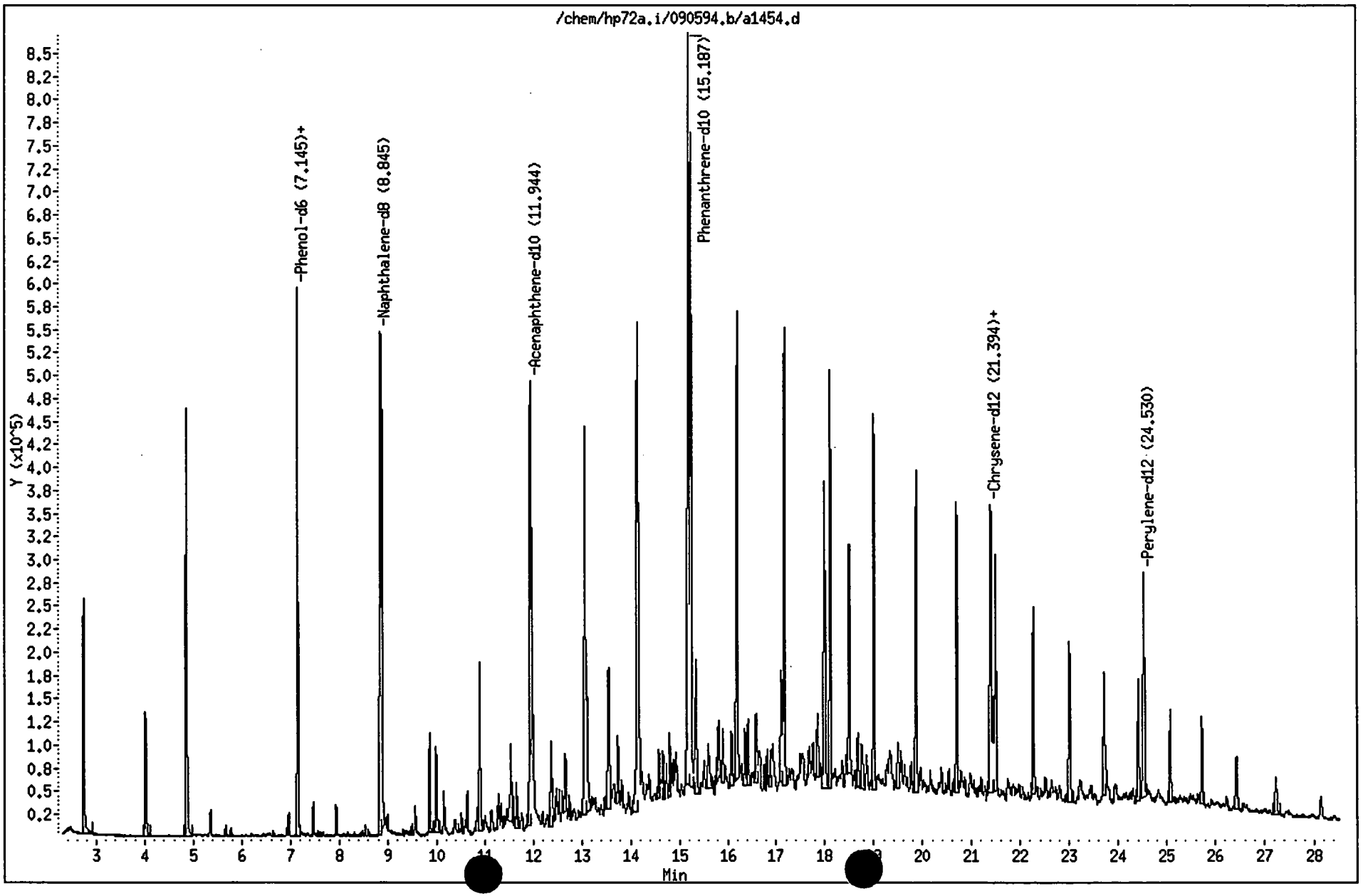
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.873	(1.003)	38807	8.899	711.944(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.987	(1.129)	47974	7.599	607.887(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.652	(0.975)	20655	2.014	161.151(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.944	(1.000)	194227	40.000	(a)
	45 Acenaphthene	152.00	12.002	(1.005)	19645	6.650	531.961(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.380	(1.036)	449	0.481	38.508(aQ)
	48 Dibenzofuran	168.00	12.373	(1.036)	67664	7.694	615.514(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.094	(1.096)	77855	11.919	953.546(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.409	(0.883)	3465	0.854	68.286(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.180	(1.000)	255890	40.000	(a)
	62 Phenanthrene	178.00	15.237	(1.004)	444811	58.792	4703.391(a)
	63 Anthracene	178.00	15.344	(1.011)	109580	14.589	1167.091(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.994	(1.185)	290754	39.055	3124.430(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.509	(0.865)	191105	20.762	1660.934(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.373	(0.999)	32778	4.571	365.679(a)
*	71 Chrysene-d12	240.00	21.394	(1.000)	205204	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.451	(1.003)	66009	10.866	869.298(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.758	(0.969)	29063	3.781	302.482(a)
	77 Benzo(k)fluoranthene	252.00	24.301	(0.991)	10903	1.489	119.158(Ta)
	78 Benzo(a)pyrene	252.00	24.401	(0.995)	13072	1.967	157.372(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.530	(1.000)	207647	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.573	(1.083)	7086	1.248	99.819(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

Data File: /chem/hp72a.i/090594.b/a1454.d
Date : 05-SEP-94 16:51
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



1400074

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260037
CLIENT ID : SBA-06
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:10

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 16:23
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	0.10	200.0	0.05	1	8270
m & p-Cresol	0.21	200.0	0.05	1	8270
Cresols	0.31	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1381.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 16:23 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-37
Misc Info : PRC/TCP/200:1/S-1/0826-37
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 13
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.562	(0.358)	4737	1.217	6.083(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.526	(0.773)	330911	43.859	219.295
$	4 Phenol-d6	99.00	6.847	(0.958)	296108	42.380	211.900
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.861	(0.960)	53582	6.069	30.344(aQ)
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.147	(1.000)	166149	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.576	(1.060)	116463	27.767	138.834(Q)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.576	(1.060)	116463	19.745	98.723
	15 Bis(2-chloroisopropyl)ether	45.00	7.504	(1.050)	2335	0.266	1.329(aQ)
	16 3- & 4-Methylphenol	108.00	7.783	(1.089)	224483	41.076	205.382
	17 N-Nitroso-di-n-propylamine	70.00	7.861	(1.100)	44629	8.158	40.792(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.861	(0.889)	289642	40.847	204.236
	20 Nitrobenzene	77.00	8.068	(0.912)	18221	2.510	12.552(aQ)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.454	(0.956)	195809	41.438	207.192
	24 bis(-2-Chloroethoxy)methane	93.00	8.476	(0.958)	8077	1.003	5.015(aQ)
	25 Benzoic Acid	122.00	8.661	(1.212)	219077	82.697	413.484(Q)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.847	(1.000)	526491	40.000	
	29 Naphthalene	128.00	8.890	(1.005)	2329426	147.945	739.726

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.861	(1.002)	16879	2.385	11.925(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	10.076	(1.139)	5416	1.085	5.426(TaQ)
	33 2-Methylnaphthalene	142.00	9.990	(1.129)	157877	16.429	82.143
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.661	(0.893)	410469	33.396	166.980
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.647	(0.975)	86687	5.171	25.856(a)
	42 2,6-Dinitrotoluene	165.00	11.940	(1.000)	39870	13.369	66.847(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.940	(1.000)	298035	40.000	
	45 Acenaphthene	152.00	12.004	(1.005)	42470	8.871	44.357(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.911	(1.081)	304	0.265	1.324(TaQ)
	48 Dibenzofuran	168.00	12.368	(1.036)	133436	9.434	47.169(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.097	(1.097)	134555	12.675	63.375
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.440	(0.885)	6412	0.996	4.978(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.654	(1.144)	117044	73.312	366.559
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.183	(1.000)	380897	40.000	
	62 Phenanthrene	178.00	15.233	(1.003)	354295	28.683	143.417
	63 Anthracene	178.00	15.347	(1.011)	85937	6.930	34.650(a)
	64 Di-n-butylphthalate	149.00	16.768	(1.104)	17829	1.009	5.047(a)
	65 Fluoranthene	202.00	17.990	(1.185)	108326	8.889	44.447(a)
	66 Benzidine	184.00	18.475	(2.585)	25594	8.617	43.083(a)
	67 Pyrene	202.00	18.497	(0.864)	66551	4.379	21.894(a)
$	68 Terphenyl-d14	244.00	19.018	(0.889)	355912	36.362	181.812
	69 Butylbenzylphthalate	149.00	20.290	(0.948)	7398	0.854	4.272(a)
	70 Benzo(a)anthracene	228.00	21.368	(0.999)	11284	0.948	4.741(aQ)
*	71 Chrysene-d12	240.00	21.397	(1.000)	304496	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.447	(1.002)	18261	1.739	8.693(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	21.747	(1.016)	19294	1.645	8.226(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.747	(0.968)	9115	0.897	4.485(a)
	77 Benzo(k)fluoranthene	252.00	23.797	(0.970)	4592	0.455	2.277(aQ)
	78 Benzo(a)pyrene	252.00	24.389	(0.994)	3983	0.428	2.139(aQ)

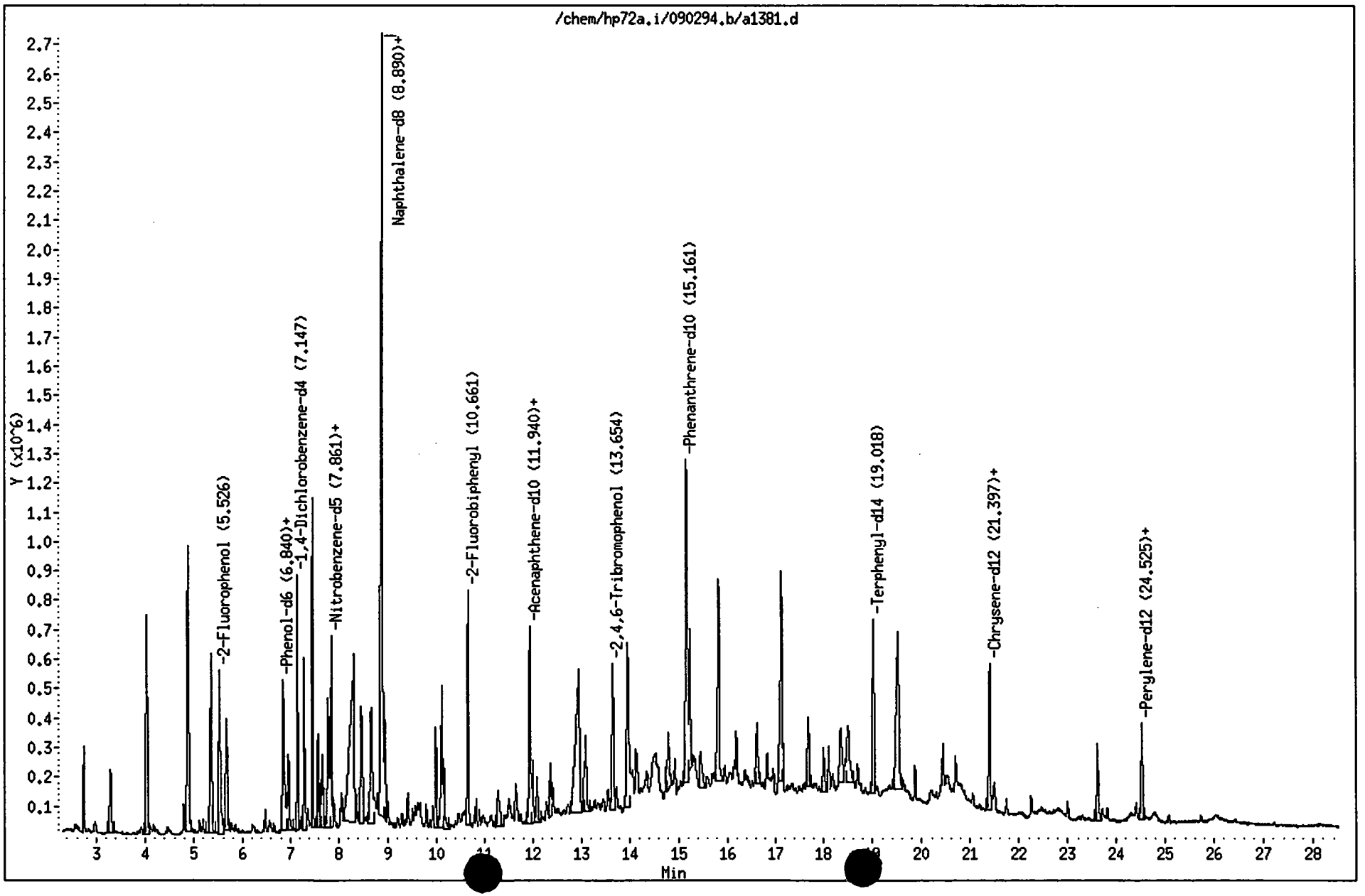
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.525	(1.000)	237946	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.554	(1.083)	2718	0.324	1.618(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

0000076

Data File: /chem/hp72a.i/090294.b/a1381.d
Date : 02-SEP-94 16:23
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260038
CLIENT ID : SBA-07
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:15

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 17:29 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		1060	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene	<	DL	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		875	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		3090	2400	792
Fluorene		978	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260038
CLIENT ID : SBA-07
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:15

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 17:29 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		2320	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		4580	2400	792
Pyrene		1650	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1455.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 17:29 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/0826-38
Misc Info : PRC/BNA/5:400/S-2/0826-38
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 6
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.738	(0.383)	1369	0.582	46.560(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	7.145	(1.000)	1126	0.329	26.347(Ta)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	87470	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.838	(1.000)	271151	40.000	(a)
	29 Naphthalene	128.00	8.874	(1.004)	219110	28.953	2316.278(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.895	(1.006)	3516	1.033	82.654(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.988	(1.130)	37130	7.536	602.866(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.652	(0.976)	16360	2.003	160.270(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.938	(1.000)	154685	40.000	(a)
	45 Acenaphthene	152.00	12.002	(1.005)	15024	6.385	510.828(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.374	(1.036)	51597	7.367	589.340(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.095	(1.097)	63589	12.224	977.909(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.402	(0.883)	2379	0.710	56.822(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.174	(1.000)	211137	40.000	(a)
	62 Phenanthrene	178.00	15.231	(1.004)	357602	57.284	4582.732(a)
	63 Anthracene	178.00	15.338	(1.011)	82379	13.292	1063.357(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.995	(1.186)	237358	38.641	3091.277(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.502	(0.865)	160028	20.676	1654.093(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.373	(0.999)	26283	4.359	348.719(a)
*	71 Chrysene-d12	240.00	21.395	(1.000)	172545	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.445	(1.002)	55886	10.941	875.290(aM)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.752	(0.968)	22333	3.497	279.795(a)
	77 Benzo(k)fluoranthene	252.00	24.295	(0.990)	8600	1.414	113.138(Ta)
	78 Benzo(a)pyrene	252.00	24.395	(0.994)	9687	1.755	140.381(a)

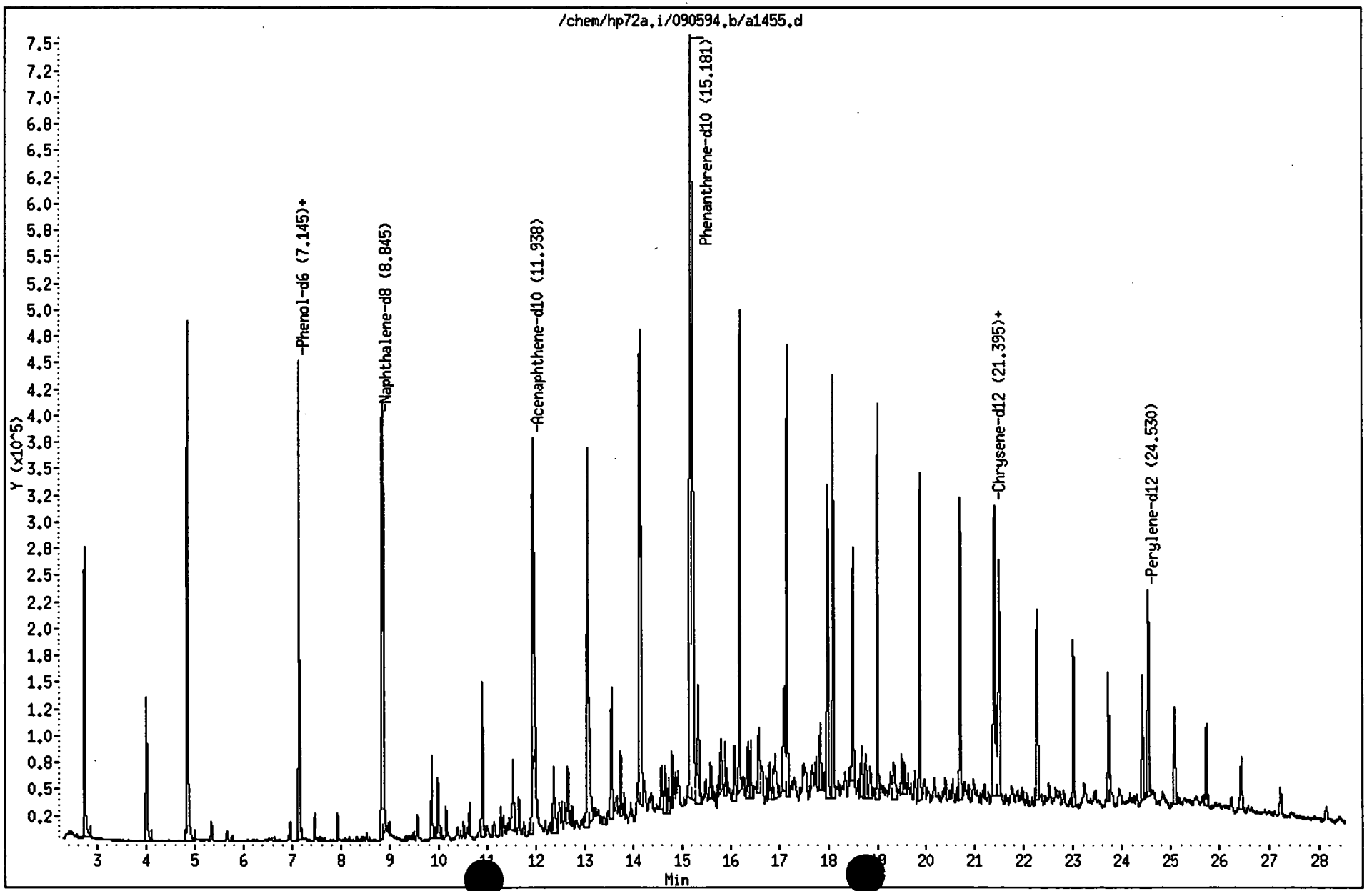
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.530	(1.000)	172501	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.566	(1.083)	5421	1.149	91.924(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
- Compound response manually integrated.

0000082

Data File: /chem/hp72a.i/090594.b/a1455.d
Date : 05-SEP-94 17:29
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260038
CLIENT ID : SBA-07
SAMPLE DATE: 08/24/94
SAMPLE TIME: 14:15

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 17:01
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	0.11	200.0	0.05	1	8270
m & p-Cresol	0.23	200.0	0.05	1	8270
Cresols	0.34	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1382.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 17:01 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-38
Misc Info : PRC/TCP/200:1/S-1/0826-38
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 14
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.616	(0.366)	5795	1.165	5.825(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.537	(0.774)	490117	50.848	254.240
$	4 Phenol-d6	99.00	6.859	(0.959)	422593	47.343	236.717
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.873	(0.961)	76830	6.811	34.057(aQ)
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.151	(1.000)	212261	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.580	(1.060)	168280	31.405	157.025(Q)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.580	(1.060)	168280	22.332	111.658
	15 Bis(2-chloroisopropyl)ether	45.00	7.444	(1.041)	3722	0.332	1.659(aQ)
	16 3- & 4-Methylphenol	108.00	7.794	(1.090)	316172	45.286	226.428
	17 N-Nitroso-di-n-propylamine	70.00	7.866	(1.100)	66668	9.540	47.698(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.866	(0.889)	416338	47.019	235.093
	20 Nitrobenzene	77.00	8.073	(0.912)	26762	2.953	14.764(aQ)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	8.751	(0.989)	1558	0.299	1.494(TaQ)
	23 2,4-Dimethyphenol	122.00	8.466	(0.956)	278224	47.151	235.753
	24 bis(-2-Chloroethoxy)methane	93.00	8.480	(0.958)	18067	1.797	8.984(aQ)
	25 Benzoic Acid	122.00	8.730	(1.221)	77402	22.870	114.351(Q)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.851	(1.000)	657458	40.000	
	29 Naphthalene	128.00	8.894	(1.005)	3010011	153.089	765.443

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.916	(1.007)	5580	0.631	3.157(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	10.080	(1.139)	6186	0.992	4.962(TaQ)
	33 2-Methylnaphthalene	142.00	9.987	(1.128)	201061	16.754	83.772
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.666	(0.893)	587434	37.270	186.349
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.651	(0.975)	114257	5.315	26.576(a)
	42 2,6-Dinitrotoluene	165.00	11.944	(1.000)	50068	13.092	65.461(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.944	(1.000)	382194	40.000	
	45 Acenaphthene	152.00	12.001	(1.005)	49833	8.117	40.587(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.487	(1.045)	1589	1.079	5.396(aQ)
	48 Dibenzofuran	168.00	12.366	(1.035)	155325	8.563	42.816(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.094	(1.096)	146889	10.790	53.950
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.444	(0.885)	7776	1.002	5.009(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.666	(1.144)	165201	80.690	403.452
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.187	(1.000)	459059	40.000	
	62 Phenanthrene	178.00	15.237	(1.003)	303855	20.411	102.056
	63 Anthracene	178.00	15.344	(1.010)	78022	5.220	26.102(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.987	(1.184)	46947	3.197	15.983(a)
	66 Benzidine	184.00	18.480	(2.584)	19668	5.183	25.915(a)
	67 Pyrene	202.00	18.501	(0.865)	23999	1.453	7.267(aQ)
$	68 Terphenyl-d14	244.00	19.023	(0.889)	421074	39.593	197.967
	69 Butylbenzylphthalate	149.00	20.294	(0.949)	9802	1.042	5.209(a)
	70 Benzo(a)anthracene	228.00	21.373	(0.999)	4426	0.342	1.712(aQ)
*	71 Chrysene-d12	240.00	21.394	(1.000)	330847	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.444	(1.002)	4309	0.378	1.888(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	21.744	(1.016)	9923	0.779	3.894(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

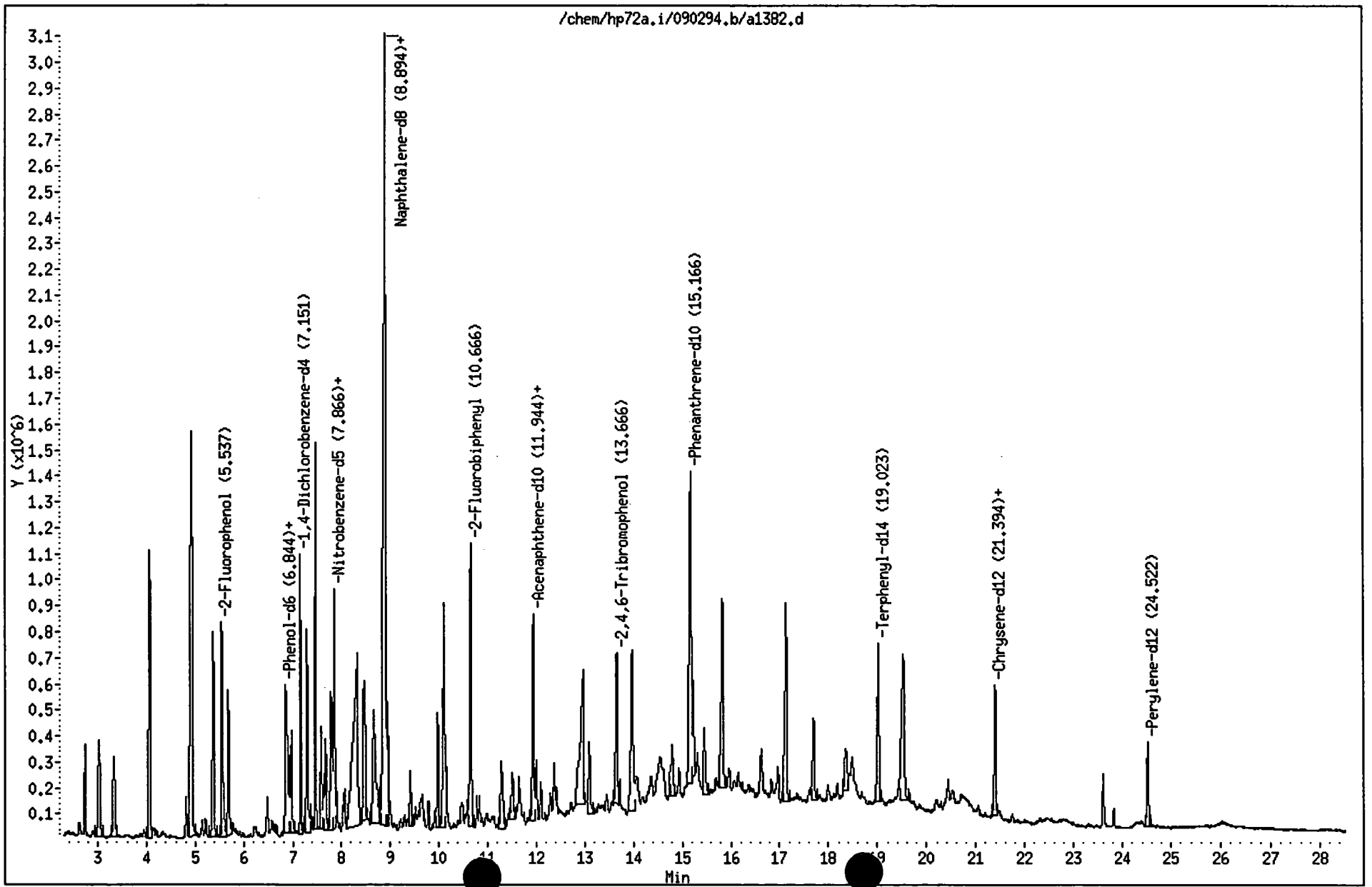
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.522	(1.000)	235866	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

0000087

Data File: /chem/hp72a.i/090294.b/a1382.d
Date : 02-SEP-94 17:01
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260039
CLIENT ID : SBA-08
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:10

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 18:07 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene		2480	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		11700	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene		1340	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		1810	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		5850	2400	792
Fluorene		4120	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
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REPORT DATE : 09/30/94
MATRIX : SOLID
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SAMPLE NO. : 9408260039
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SAMPLE TIME: 15:10

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 18:07 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		4860	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		10700	2400	792
Pyrene		3550	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1456.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 18:07 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/0826-39
Misc Info : PRC/BNA/5:400/S-2/0826-39
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 7
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
1	n-Nitrosodimethylamine	42.00	2.734	(0.382)	1125	0.437	34.938(a)
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	Compound Not Detected.				
$ 4	Phenol-d6	99.00	7.148	(1.000)	905	0.242	19.336(TaQ)
5	Aniline	93.00	Compound Not Detected.				
6	Phenol	94.00	Compound Not Detected.				
7	bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
8	2-Chlorophenol	128.00	Compound Not Detected.				
9	1,3-Dichlorobenzene	146.00	Compound Not Detected.				
10	1,4-Dichlorobenzene-d4	152.00	7.148	(1.000)	95792	40.000	(a)
11	1,4-Dichlorobenzene	146.00	Compound Not Detected.				
12	Benzyl alcohol	108.00	Compound Not Detected.				
13	1,2-Dichlorobenzene	146.00	Compound Not Detected.				
14	2-Methylphenol	108.00	Compound Not Detected.				
15	Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
16	3- & 4-Methylphenol	108.00	Compound Not Detected.				
17	N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
18	Hexachloroethane	117.00	Compound Not Detected.				
$ 19	Nitrobenzene-d5	82.00	Compound Not Detected.				
20	Nitrobenzene	77.00	Compound Not Detected.				
21	Isophorone	82.00	Compound Not Detected.				
22	2-Nitrophenol	139.00	Compound Not Detected.				
23	2,4-Dimethyphenol	122.00	8.876	(1.004)	1079	0.417	33.337(TaQ)
24	bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
25	Benzoic Acid	122.00	Compound Not Detected.				
26	2,4-Dichlorophenol	162.00	Compound Not Detected.				
27	1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
* 28	Naphthalene-d8	136.00	8.841	(1.000)	305944	40.000	(a)
29	Naphthalene	128.00	8.876	(1.004)	518287	60.699	4855.881(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.898	(1.006)	6216	1.619	129.507(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.991	(1.130)	149935	26.970	2157.586(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.648	(0.975)	79909	8.971	717.681(a)
	42 2,6-Dinitrotoluene	165.00	11.940	(1.000)	24856	14.448	1155.842(TaQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.940	(1.000)	168726	40.000	(a)
	45 Acenaphthene	152.00	12.005	(1.005)	79530	30.988	2479.055(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.369	(1.036)	1321	1.630	130.417(a)
	48 Dibenzofuran	168.00	12.376	(1.036)	255514	33.445	2675.606(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.105	(1.097)	292518	51.552	4124.159(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.405	(0.883)	5262	1.344	107.534(aQ)
	56 Azobenzene	77.00	13.462	(1.883)	1968	0.234	18.693(aQ)
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.183	(1.000)	246768	40.000	(a)
	62 Phenanthrene	178.00	15.255	(1.005)	975750	133.736	10698.887(a)
	63 Anthracene	178.00	15.376	(1.013)	1060178	146.361	11708.919(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	18.005	(1.186)	524998	73.127	5850.153(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.512	(0.865)	370995	44.406	3552.475(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.376	(0.999)	109411	16.810	1344.810(a)
*	71 Chrysene-d12	240.00	21.397	(1.000)	186253	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.447	(1.002)	124481	22.577	1806.140(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.754	(0.969)	65404	9.381	750.452(a)
	77 Benzo(k)fluoranthene	252.00	24.297	(0.991)	22278	3.355	268.419(Ta)
	78 Benzo(a)pyrene	252.00	24.397	(0.995)	47440	7.870	629.637(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.526	(1.000)	188350	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.569	(1.083)	23354	4.534	362.690(a)
81 Dibenzo(a,h)anthracene	278.00	26.633	(1.086)	5532	1.026	82.051(a)
82 Benzo(g,h,i)perylene	276.00	27.104	(1.105)	14753	2.819	225.541(a)

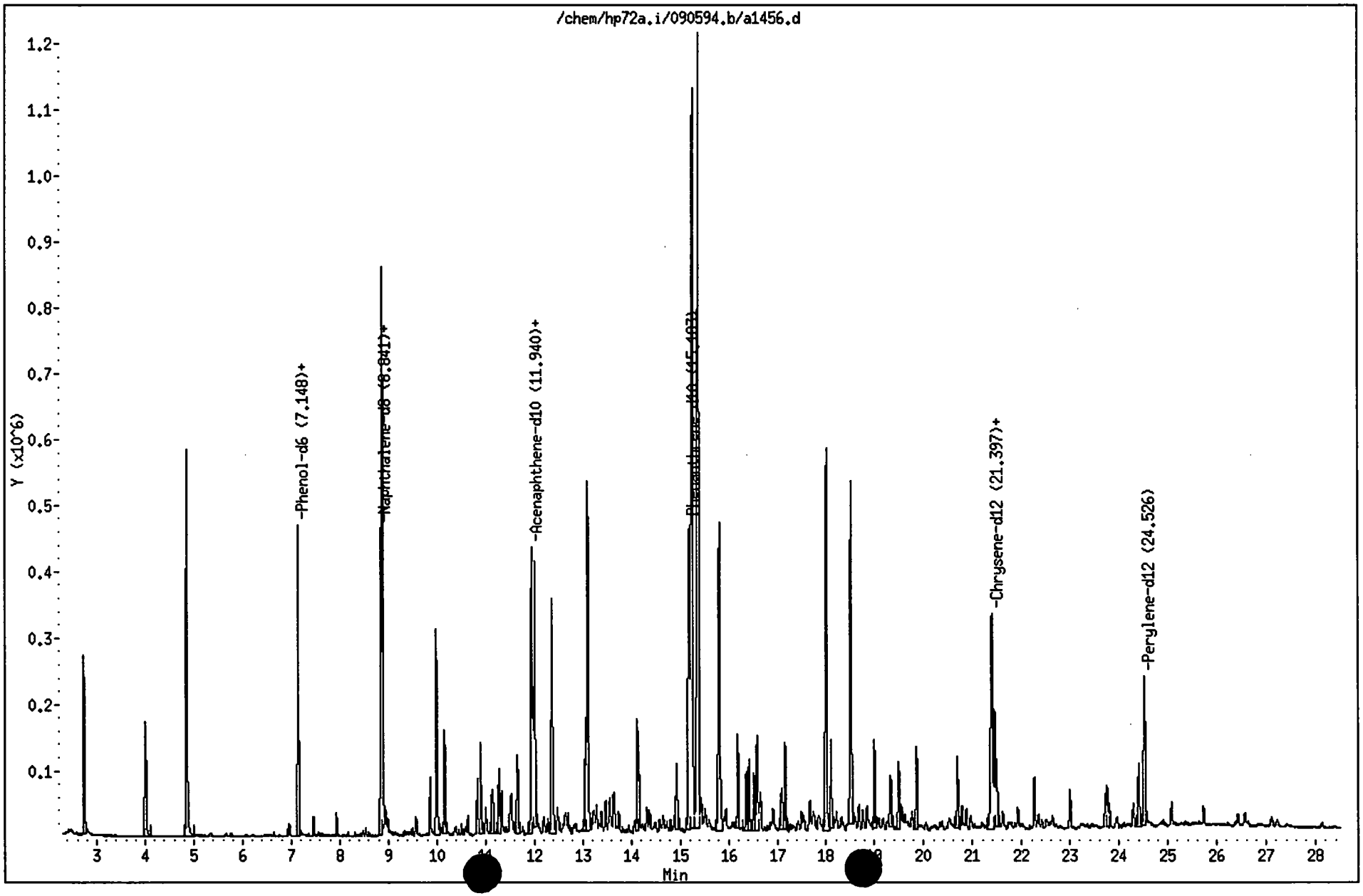
QC Flag Legend

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

Data File: /chem/hp72a.i/090594.b/a1456.d
Date : 05-SEP-94 18:07
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000093



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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260039
CLIENT ID : SBA-08
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:10

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 17:38
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	0.57	200.0	0.05	1	8270
m & p-Cresol	0.95	200.0	0.05	1	8270
Cresols	1.52	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1383.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 17:38 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-39
Misc Info : PRC/TCP/200:1/S-1/0826-39
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 15
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
1	n-Nitrosodimethylamine	42.00	2.617	(0.366)	8023	1.779	8.894(a)
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	5.560	(0.778)	425027	48.628	243.139
$ 4	Phenol-d6	99.00	6.895	(0.965)	365771	45.190	225.949
5	Aniline	93.00	6.760	(0.946)	44620	3.739	18.694(a)
6	Phenol	94.00	6.910	(0.967)	805254	78.730	393.648
7	bis(-2-Chloroethyl)Ether	93.00	6.760	(0.946)	44620	5.566	27.828(aQ)
8	2-Chlorophenol	128.00	Compound Not Detected.				
9	1,3-Dichlorobenzene	146.00	Compound Not Detected.				
10	1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	192476	40.000	
11	1,4-Dichlorobenzene	146.00	Compound Not Detected.				
12	Benzyl alcohol	108.00	7.617	(1.066)	777552	160.025	800.127(TQ)
13	1,2-Dichlorobenzene	146.00	Compound Not Detected.				
14	2-Methylphenol	108.00	7.617	(1.066)	777552	113.792	568.958
15	Bis(2-chloroisopropyl)ether	45.00	7.110	(0.995)	3214	0.316	1.579(TaQ)
16	3- & 4-Methylphenol	108.00	7.824	(1.095)	1200967	189.698	948.488(M)
17	N-Nitroso-di-n-propylamine	70.00	7.867	(1.101)	49882	7.871	39.357(aQ)
18	Hexachloroethane	117.00	Compound Not Detected.				
$ 19	Nitrobenzene-d5	82.00	7.867	(0.888)	355307	48.736	243.679
20	Nitrobenzene	77.00	8.053	(0.909)	58087	7.784	38.920(TaQ)
21	Isophorone	82.00	Compound Not Detected.				
22	2-Nitrophenol	139.00	Compound Not Detected.				
23	2,4-Dimethyphenol	122.00	8.502	(0.960)	323040	66.492	332.460
24	bis(-2-Chloroethoxy)methane	93.00	8.545	(0.965)	18876	2.280	11.400(aQ)
25	Benzoic Acid	122.00	8.752	(1.225)	764286	249.040	1245.199(AQ)
26	2,4-Dichlorophenol	162.00	Compound Not Detected.				
27	1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
* 28	Naphthalene-d8	136.00	8.860	(1.000)	541312	40.000	
29	Naphthalene	128.00	8.917	(1.006)	4830413	298.387	1491.933(A)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.931	(1.008)	16351	2.247	11.235(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	10.067	(1.136)	11117	2.166	10.832(TaQ)
	33 2-Methylnaphthalene	142.00	10.002	(1.129)	529668	53.608	268.038
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.674	(0.893)	515269	36.297	181.485
	38 2-Chloronaphthalene	162.00	10.967	(0.918)	5217	0.424	2.122(aQ)
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.667	(0.976)	377170	19.481	97.404
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.952	(1.000)	344226	40.000	
	45 Acenaphthene	152.00	12.017	(1.005)	189966	34.357	171.784
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.381	(1.036)	2982	2.249	11.244(aQ)
	48 Dibenzofuran	168.00	12.381	(1.036)	499677	30.586	152.931
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.117	(1.097)	325012	26.507	132.537
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.738	(0.905)	68479	8.627	43.135(TaQ)
	56 Azobenzene	77.00	13.467	(1.885)	18936	1.223	6.116(aQ)
$	57 2,4,6-Tribromophenol	330.00	13.702	(1.146)	140119	75.988	379.941
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.188	(1.000)	469499	40.000	
	62 Phenanthrene	178.00	15.245	(1.004)	555175	36.464	182.321
	63 Anthracene	178.00	15.352	(1.011)	187219	12.248	61.242
	64 Di-n-butylphthalate	149.00	16.767	(1.104)	12530	0.575	2.877(a)
	65 Fluoranthene	202.00	17.988	(1.184)	68193	4.540	22.700(a)
	66 Benzidine	184.00	18.359	(2.569)	16869	4.902	24.512(a)
	67 Pyrene	202.00	18.495	(0.865)	41173	2.327	11.635(a)
$	68 Terphenyl-d14	244.00	19.017	(0.889)	420898	36.936	184.680
	69 Butylbenzylphthalate	149.00	20.288	(0.949)	179698	17.826	89.132
	70 Benzo(a)anthracene	228.00	21.331	(0.997)	7208	0.520	2.601(aQ)
*	71 Chrysene-d12	240.00	21.388	(1.000)	354503	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.331	(0.997)	7208	0.589	2.947(aQ)
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.016)	6973	0.511	2.554(aQ)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

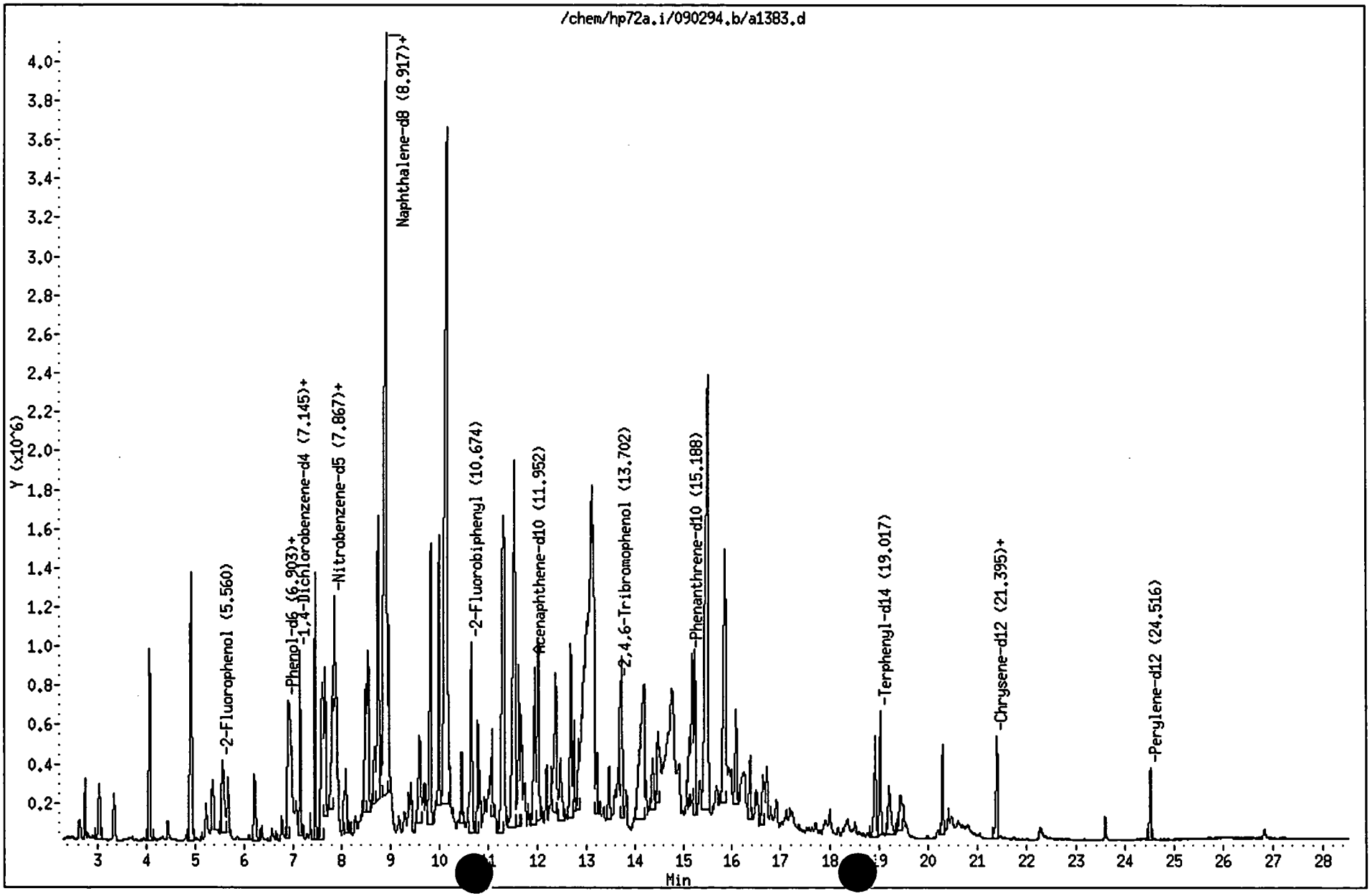
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.516	(1.000)	269015	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
- Qualifier signal failed the ratio test.
M - Compound response manually integrated.

0000098

Data File: /chem/hp72a.i/090294.b/a1383.d
Date : 02-SEP-94 17:38
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260040
CLIENT ID : SBA-09
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:20

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 18:45 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene		1570	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		6190	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene		1010	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		1350	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		4060	2400	792
Fluorene		2530	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000099

Inchcape Testing Services
Environmental Laboratories

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260040
CLIENT ID : SBA-09
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:20

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 18:45 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		8960	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		7460	2400	792
Pyrene		2570	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1457.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 18:45 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/0826-40
Misc Info : PRC/BNA/5:400/S-2/0826-40
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 8
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.731	(0.382)	1325	0.394	31.482(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	6.960	(0.974)	1412	0.289	23.081(aQ)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	125207	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.796	(1.091)	740	0.309	24.720(TaQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.888	(1.005)	3174	0.895	71.612(TaQ)
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.846	(1.000)	418952	40.000	(a)
	29 Naphthalene	128.00	8.881	(1.004)	1309447	111.988	8959.079(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.881	(1.004)	180739	34.373	2749.876(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.988	(1.129)	207287	27.229	2178.285(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.646	(0.975)	118527	9.797	783.743(a)
	42 2,6-Dinitrotoluene	165.00	11.945	(1.000)	33040	14.140	1131.170(TaQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.945	(1.000)	229172	40.000	(a)
	45 Acenaphthene	152.00	12.003	(1.005)	68492	19.648	1571.866(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.374	(1.036)	1606	1.459	116.734(a)
	48 Dibenzofuran	168.00	12.374	(1.036)	241869	23.309	1864.697(a)
	49 2,4-Dinitrotoluene	165.00	12.074	(1.011)	1737	0.553	44.267(Ta)
	50 Fluorene	166.00	13.103	(1.097)	243779	31.631	2530.460(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.410	(0.883)	5252	1.039	83.133(aQ)
	56 Azobenzene	77.00	13.103	(1.834)	3956	0.359	28.749(TaQ)
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.181	(1.000)	318593	40.000	(a)
	62 Phenanthrene	178.00	15.245	(1.004)	877853	93.193	7455.460(a)
	63 Anthracene	178.00	15.360	(1.012)	723099	77.321	6185.693(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	18.002	(1.186)	470695	50.782	4062.579(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.502	(0.865)	341499	32.077	2566.155(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.374	(0.999)	104699	12.624	1009.887(a)
*	71 Chrysene-d12	240.00	21.395	(1.000)	237341	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.452	(1.003)	118754	16.902	1352.157(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.752	(0.968)	67498	7.949	635.959(a)
	77 Benzo(k)fluoranthene	252.00	24.295	(0.990)	27347	3.382	270.562(Ta)
	78 Benzo(a)pyrene	252.00	24.402	(0.995)	51612	7.031	562.491(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.531	(1.000)	229375	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.567	(1.083)	25012	3.987	318.964(a)
81 Dibenzo(a,h)anthracene	278.00	26.624	(1.085)	5853	0.891	71.285(a)
82 Benzo(g,h,i)perylene	276.00	27.109	(1.105)	16862	2.646	211.677(a)

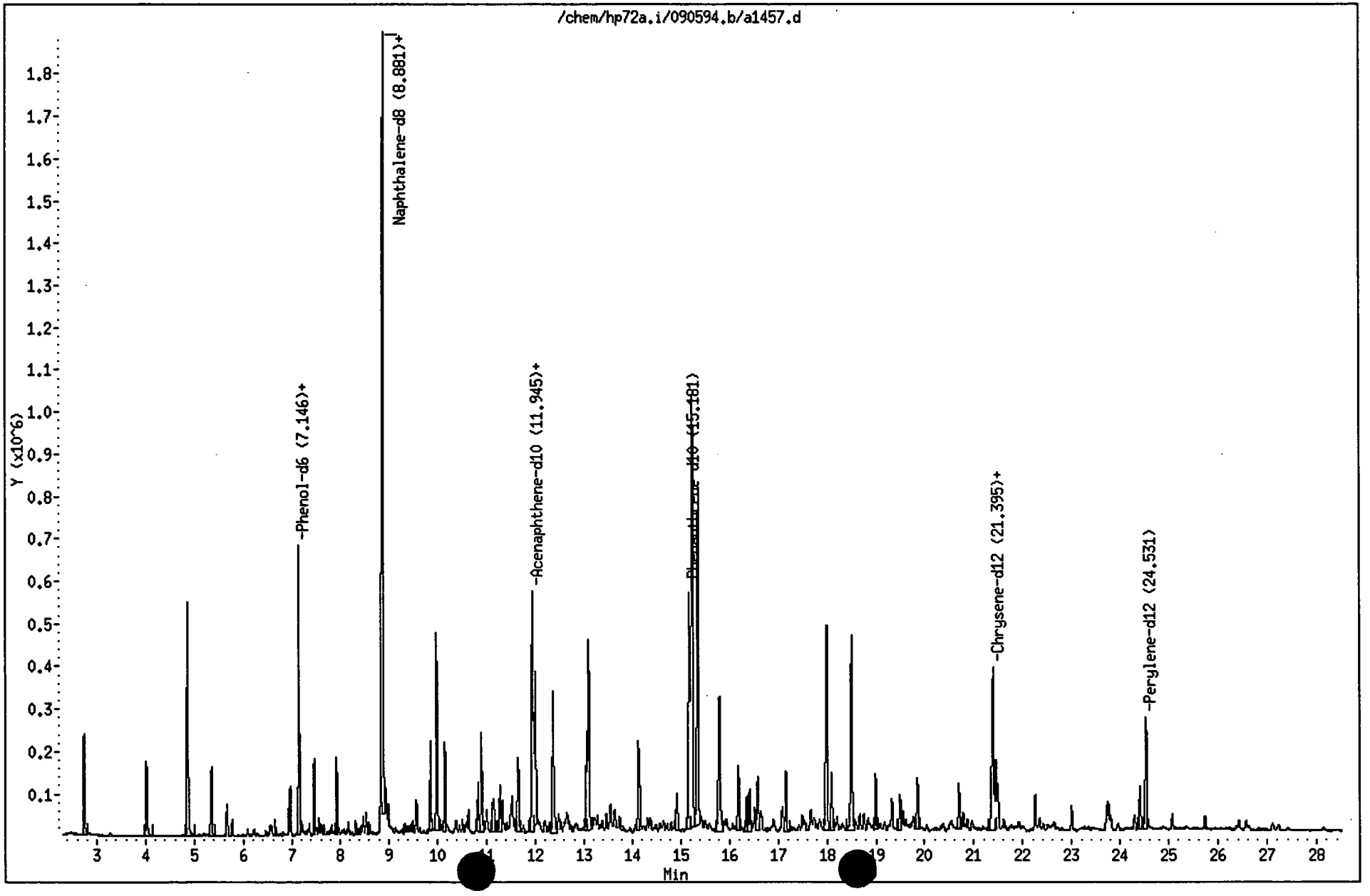
QC Flag Legend

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

Data File: /chem/hp72a.i/090594.b/a1457.d
Date : 05-SEP-94 18:45
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000104



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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260040
CLIENT ID : SBA-09
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:20

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 18:15
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	1.12	200.0	0.05	1	8270
m & p-Cresol	2.86	200.0	0.05	1	8270
Cresols	3.98	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1384.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 18:15 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-40
Misc Info : PRC/TCP/200:1/S-1/0826-40
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 16
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.553	(0.357)	12747	4.342	21.710(a)
	2 Pyridine	79.00	2.689	(0.376)	52067	8.319	41.595(aQ)
$	3 2-Fluorophenol	112.00	5.546	(0.776)	224071	46.092	230.459
$	4 Phenol-d6	99.00	6.860	(0.960)	176426	40.093	200.464
	5 Aniline	93.00	6.753	(0.945)	83940	12.812	64.062
	6 Phenol	94.00	6.882	(0.963)	1432938	257.491	1287.453(A)
	7 bis(-2-Chloroethyl)Ether	93.00	7.003	(0.980)	4728	1.070	5.352(aQ)
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	106052	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.589	(1.062)	843052	333.886	1669.430(TAQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.589	(1.062)	843052	223.267	1116.333(A)
	15 Bis(2-chloroisopropyl)ether	45.00	7.867	(1.101)	1908	0.359	1.797(TaQ)
	16 3- & 4-Methylphenol	108.00	7.817	(1.094)	1998230	586.158	2930.790(A)
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.860	(0.887)	179760	42.124	210.622
	20 Nitrobenzene	77.00	8.075	(0.911)	73170	16.156	80.780(Q)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.489	(0.958)	761147	295.912	1479.559(A)
	24 bis(-2-Chloroethoxy)methane	93.00	8.496	(0.959)	52473	11.325	56.623(Q)
	25 Benzoic Acid	122.00	8.710	(1.219)	506349	288.211	1441.053(AQ)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.860	(1.000)	291392	40.000	(M)
	29 Naphthalene	128.00	8.917	(1.006)	5532771	629.877	3149.387(A)
	30 4-Chloroaniline	127.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	10.024	(1.131)	4246	1.412	7.058(aQ)
	33 2-Methylnaphthalene	142.00	9.989	(1.127)	331908	60.591	302.956
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.667	(0.893)	286930	38.923	194.613
	38 2-Chloronaphthalene	162.00	11.282	(0.944)	2896	0.449	2.245(TaQ)
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.653	(0.975)	274436	26.864	134.320
	42 2,6-Dinitrotoluene	165.00	11.946	(1.000)	24744	12.736	63.682(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
	44 Acenaphthene-d10	164.00	11.946	(1.000)	183014	40.000	
	45 Acenaphthene	152.00	12.010	(1.005)	76450	25.648	128.240
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.374	(1.036)	805	0.866	4.330(aQ)
	48 Dibenzofuran	168.00	12.374	(1.036)	234189	26.290	131.452
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.103	(1.097)	137877	21.004	105.019
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.724	(0.904)	44593	9.997	49.984(TaQ)
	56 Azobenzene	77.00	13.467	(1.885)	4020	0.436	2.181(aQ)
$	57 2,4,6-Tribromophenol	330.00	13.689	(1.146)	77858	70.661	353.305
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
	61 Phenanthrene-d10	188.00	15.182	(1.000)	259528	40.000	
	62 Phenanthrene	178.00	15.232	(1.003)	251776	29.751	148.753
	63 Anthracene	178.00	15.346	(1.011)	88082	10.271	51.357
	64 Di-n-butylphthalate	149.00	16.760	(1.104)	7672	0.624	3.122(a)
	65 Fluoranthene	202.00	17.981	(1.184)	33299	3.891	19.455(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.496	(0.865)	19656	1.605	8.026(aQ)
$	68 Terphenyl-d14	244.00	19.010	(0.889)	266098	33.204	166.022
	69 Butylbenzylphthalate	149.00	20.281	(0.948)	10319	1.464	7.319(a)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.388	(1.000)	242600	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.016)	7277	0.778	3.888(aQ)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				
*	79 Perylene-d12	264.00	24.510	(1.000)	204715	40.000	
	80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				

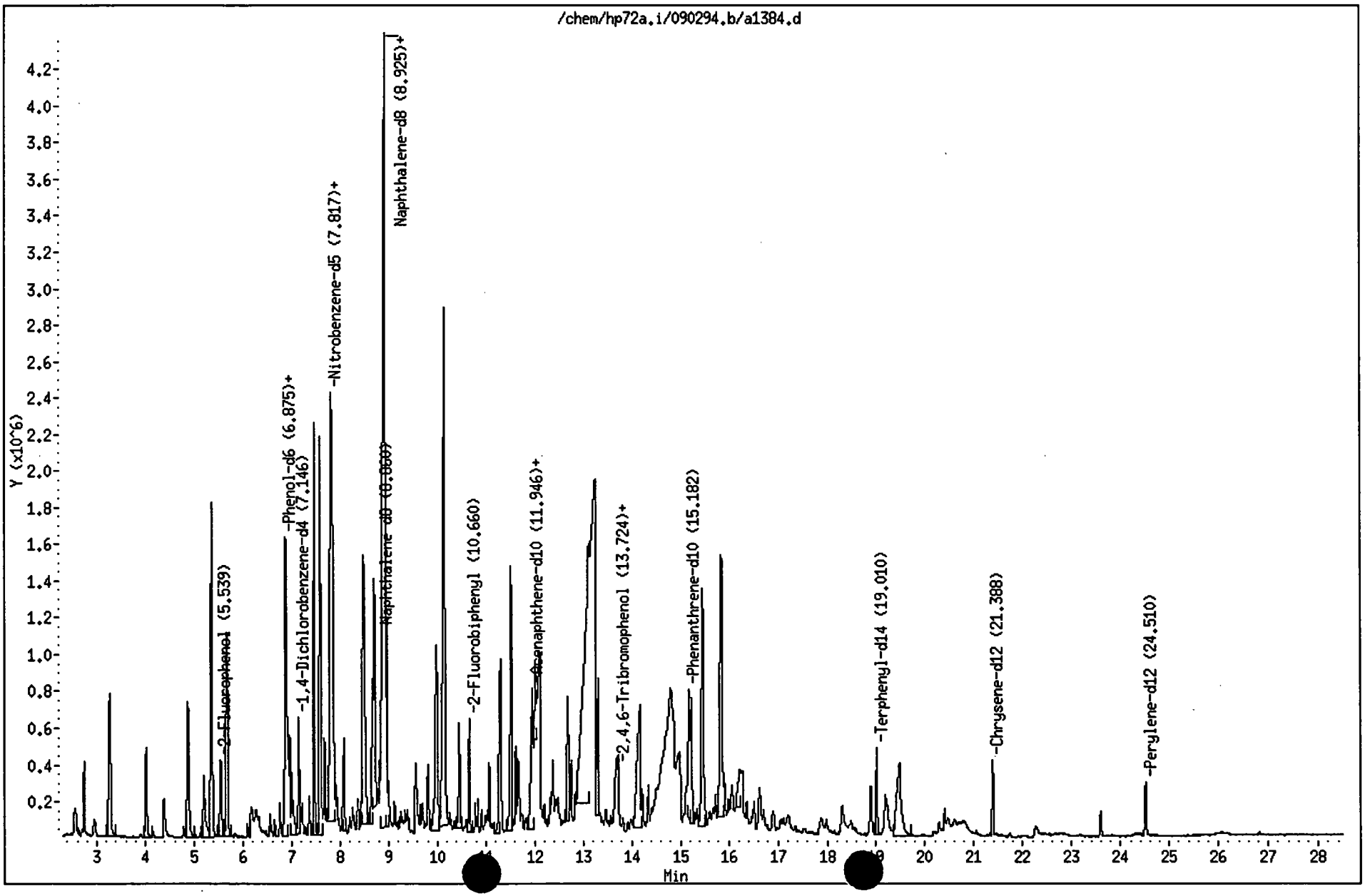
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
- Compound response manually integrated.

00010109

Data File: /chem/hp72a.i/090294.b/a1384.d
Date : 02-SEP-94 18:15
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260041
CLIENT ID : SBA-10
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:40

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 19:22 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	1200	396
Acenaphthylene	<	DL	1200	396
Anthracene		3150	1200	396
Benzidine	<	DL	1200	1580
Benzo(a)anthracene	<	DL	1200	396
Benzo(a)pyrene	<	DL	1200	396
Benzo(b)fluoranthene	<	DL	1200	396
Benzo(ghi)perylene	<	DL	1200	396
Benzo(k)fluoranthene	<	DL	1200	396
bis(2-Chloroethoxy)methane	<	DL	1200	396
bis(2-Chloroethyl)ether	<	DL	1200	396
bis(2-Chloroisopropyl)ether	<	DL	1200	396
bis(2-Ethylhexyl)phthalate	<	DL	1200	396
4-Bromophenyl phenyl ether	<	DL	1200	396
Butyl benzyl phthalate	<	DL	1200	396
2-Chloronaphthalene	<	DL	1200	396
4-Chlorophenyl phenyl ether	<	DL	1200	396
Chrysene	<	DL	1200	396
Dibenzo(a,h)anthracene	<	DL	1200	396
1,2-Dichlorobenzene	<	DL	1200	396
1,3-Dichlorobenzene	<	DL	1200	396
1,4-Dichlorobenzene	<	DL	1200	396
3,3'-Dichlorobenzidine	<	DL	1200	792
Diethyl phthalate	<	DL	1200	396
Dimethyl phthalate	<	DL	1200	396
Di-n-butyl phthalate	<	DL	1200	396
2,4-Dinitrotoluene	<	DL	1200	396
2,6-Dinitrotoluene	<	DL	1200	396
Di-n-octyl phthalate	<	DL	1200	396
1,2-Diphenylhydrazine *	<	DL	1200	396
Fluoranthene	<	DL	1200	396
Fluorene	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
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REPORT DATE : 09/30/94
MATRIX : SOLID
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SAMPLE NO. : 9408260041
CLIENT ID : SBA-10
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:40

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 19:22 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	1200	396
Hexachlorobutadiene	<	DL	1200	396
Hexachlorocyclopentadiene	<	DL	1200	396
Hexachloroethane	<	DL	1200	396
Indeno(1,2,3-c,d)pyrene	<	DL	1200	396
Isophorone	<	DL	1200	396
Naphthalene	<	DL	1200	396
Nitrobenzene	<	DL	1200	396
N-Nitrosodimethylamine	<	DL	1200	396
N-Nitrosodi-n-propylamine	<	DL	1200	396
N-Nitrosodiphenylamine **	<	DL	1200	396
Phenanthrene		673	1200	396
Pyrene	<	DL	1200	396
1,2,4-Trichlorobenzene	<	DL	1200	396
2-Chlorophenol	<	DL	1200	396
2,4-Dichlorophenol	<	DL	1200	396
2,4-Dimethylphenol	<	DL	1200	396
4,6-Dinitro-o-cresol	<	DL	1200	1980
2,4-Dinitrophenol	<	DL	1200	1980
2-Nitrophenol	<	DL	1200	396
4-Nitrophenol	<	DL	1200	1980
p-Chloro-m-cresol	<	DL	1200	396
Pentachlorophenol	<	DL	1200	1980
Phenol	<	DL	1200	396
2,4,6-Trichlorophenol	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000111

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1458.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 19:22 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:200/S-2/0826-41
Misc Info : PRC/BNA/5:200/S-2/0826-41
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 9
Dil Factor: 1200.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)	
1	n-Nitrosodimethylamine	42.00	2.733	(0.383)	1301	0.454	18.140	(a)
2	Pyridine	79.00	Compound Not Detected.					
$ 3	2-Fluorophenol	112.00	Compound Not Detected.					
$ 4	Phenol-d6	99.00	Compound Not Detected.					
5	Aniline	93.00	Compound Not Detected.					
6	Phenol	94.00	Compound Not Detected.					
7	bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.					
8	2-Chlorophenol	128.00	Compound Not Detected.					
9	1,3-Dichlorobenzene	146.00	Compound Not Detected.					
10	1,4-Dichlorobenzene-d4	152.00	7.140	(1.000)	106679	40.000		(a)
11	1,4-Dichlorobenzene	146.00	Compound Not Detected.					
12	Benzyl alcohol	108.00	Compound Not Detected.					
13	1,2-Dichlorobenzene	146.00	Compound Not Detected.					
14	2-Methylphenol	108.00	Compound Not Detected.					
15	Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.					
16	3- & 4-Methylphenol	108.00	Compound Not Detected.					
17	N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.					
18	Hexachloroethane	117.00	Compound Not Detected.					
$ 19	Nitrobenzene-d5	82.00	Compound Not Detected.					
20	Nitrobenzene	77.00	Compound Not Detected.					
21	Isophorone	82.00	Compound Not Detected.					
22	2-Nitrophenol	139.00	Compound Not Detected.					
23	2,4-Dimethyphenol	122.00	Compound Not Detected.					
24	bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.					
25	Benzoic Acid	122.00	Compound Not Detected.					
26	2,4-Dichlorophenol	162.00	Compound Not Detected.					
27	1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
* 28	Naphthalene-d8	136.00	8.840	(1.000)	355335	40.000		(a)
29	Naphthalene	128.00	8.869	(1.003)	15656	1.579	63.147	(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.869	(1.003)	1450	0.325	13.005(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	10.019	(1.133)	7760	1.202	48.073(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.940	(1.000)	192278	40.000	(a)
	45 Acenaphthene	152.00	11.997	(1.005)	1807	0.618	24.714(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.376	(1.036)	20428	2.346	93.855(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.097	(1.097)	41016	6.343	253.722(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.176	(1.000)	267672	40.000	(a)
	62 Phenanthrene	178.00	15.219	(1.003)	133093	16.817	672.684(a)
	63 Anthracene	178.00	15.354	(1.012)	618146	78.673	3146.915(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.983	(1.185)	75987	9.758	390.306(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.490	(0.865)	54388	6.113	244.537(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.368	(0.999)	15411	2.224	88.942(a)
*	71 Chrysene-d12	240.00	21.383	(1.000)	198333	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.440	(1.003)	33851	5.766	230.621(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.754	(0.969)	10524	1.517	60.666(a)
	77 Benzo(k)fluoranthene	252.00	23.804	(0.971)	5811	0.879	35.175(a)
	78 Benzo(a)pyrene	252.00	24.390	(0.995)	6230	1.039	41.541(a)

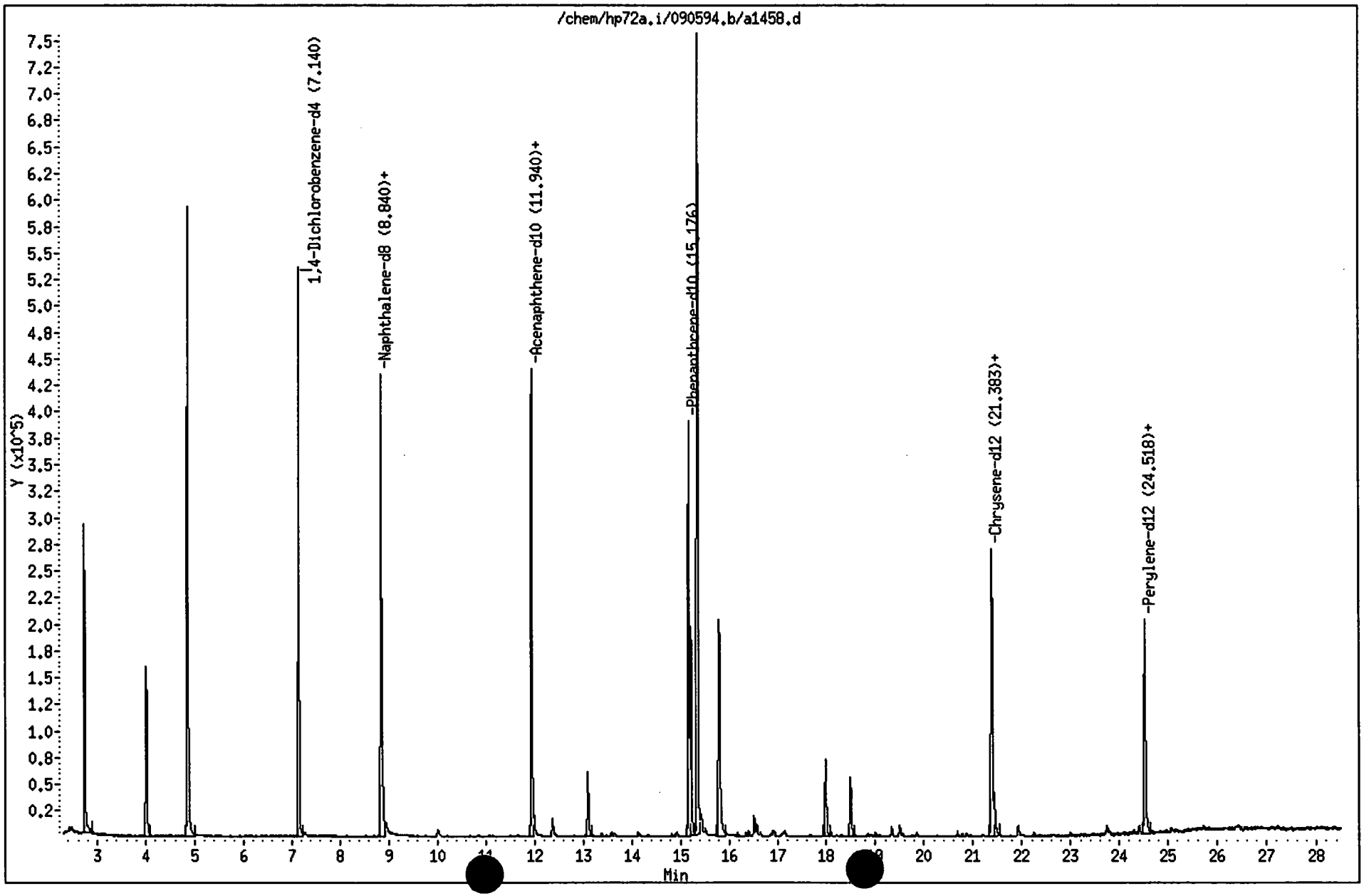
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.518	(1.000)	187453	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

0000115

Data File: /chem/hp72a.i/090594.b/a1458.d
Date : 05-SEP-94 19:22
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260041
CLIENT ID : SBA-10
SAMPLE DATE: 08/24/94
SAMPLE TIME: 15:40

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 18:53
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1385.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 18:53 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-41
Misc Info : PRC/TCP/200:1/S-1/0826-41
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 17
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	3.024	(0.423)	44523	9.261	46.305(Ta)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.553	(0.777)	4194	0.450	2.251(aR)
$	4 Phenol-d6	99.00	7.146	(1.000)	2473	0.287	1.433(TaRH)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	205158	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	7.860	(1.100)	51374	7.606	38.028(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.860	(0.889)	368350	40.491	202.456
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.838	(1.000)	675449	40.000	
	29 Naphthalene	128.00	8.867	(1.003)	84570	4.187	20.933(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.867	(1.003)	5878	0.647	3.237(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.981	(1.129)	6430	0.522	2.608(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.660	(0.893)	577252	35.943	179.715
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.646	(0.975)	8340	0.381	1.904(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.938	(1.000)	389432	40.000	
	45 Acenaphthene	152.00	12.003	(1.005)	12484	1.996	9.979(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.360	(1.035)	24191	1.309	6.544(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.088	(1.096)	34799	2.509	12.543(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.174	(1.000)	545995	40.000	
	62 Phenanthrene	178.00	15.217	(1.003)	68769	3.884	19.420(a)
	63 Anthracene	178.00	15.331	(1.010)	33383	1.878	9.390(a)
	64 Di-n-butylphthalate	149.00	16.745	(1.104)	12863	0.508	2.540(a)
	65 Fluoranthene	202.00	17.974	(1.185)	21584	1.236	6.178(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.481	(0.864)	12634	0.616	3.082(aQ)
$	68 Terphenyl-d14	244.00	19.010	(0.889)	483949	36.665	183.323
	69 Butylbenzylphthalate	149.00	20.274	(0.948)	8848	0.758	3.789(a)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.388	(1.000)	410625	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.016)	9998	0.632	3.161(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

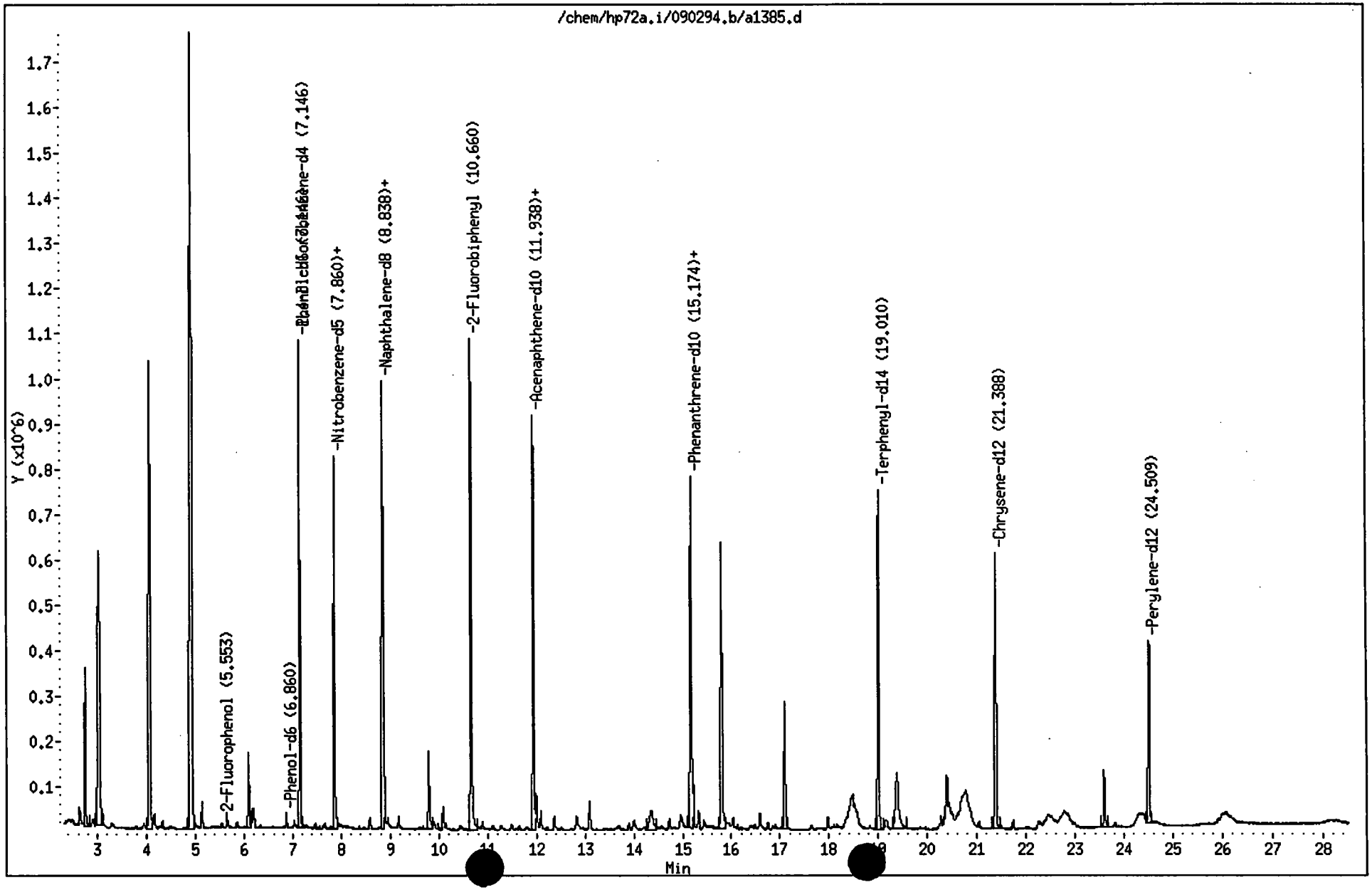
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.509	(1.000)	322506	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
- Spike/Surrogate failed recovery limits.
- Operator selected an alternate compound hit.

0000120

Data File: /chem/hp72a.i/090294.b/a1385.d
Date : 02-SEP-94 18:53
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090794.b/a1496.d
Lab. Id. : Quant Type: ISTD
Inj Date : 07-SEP-94 19:46 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-41TRE
Misc Info : PRC/TCP/200:1/S-1/0826-41TRE
Comment :
Method : /chem/hp72a.i/090794.b/ccal02.m
Meth Date : 07-Sep-1994 17:13
Cal Date : 07-SEP-94 16:35 Cal File: a1491.d
Als bottle: 7
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.567	(0.362)	4484	1.980	9.898(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.453	(0.769)	109571	31.137	155.685
$	4 Phenol-d6	99.00	6.774	(0.956)	95253	27.590	137.948
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.088	(1.000)	79960	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.510	(1.059)	3611	2.059	10.297(aQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.510	(1.059)	3611	1.320	6.600(a)
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	7.717	(1.089)	2541	1.020	5.098(a)
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.788	(0.888)	105001	28.777	143.884
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.767	(1.000)	248627	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.574	(0.892)	136170	26.725	133.627
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.853	(1.000)	132371	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.545	(1.143)	38741	50.820	254.100
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.074	(1.000)	194784	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	18.910	(2.668)	1988	1.310	6.552(TaQ)
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	18.910	(0.889)	125959	29.917	149.587
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.281	(1.000)	162921	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

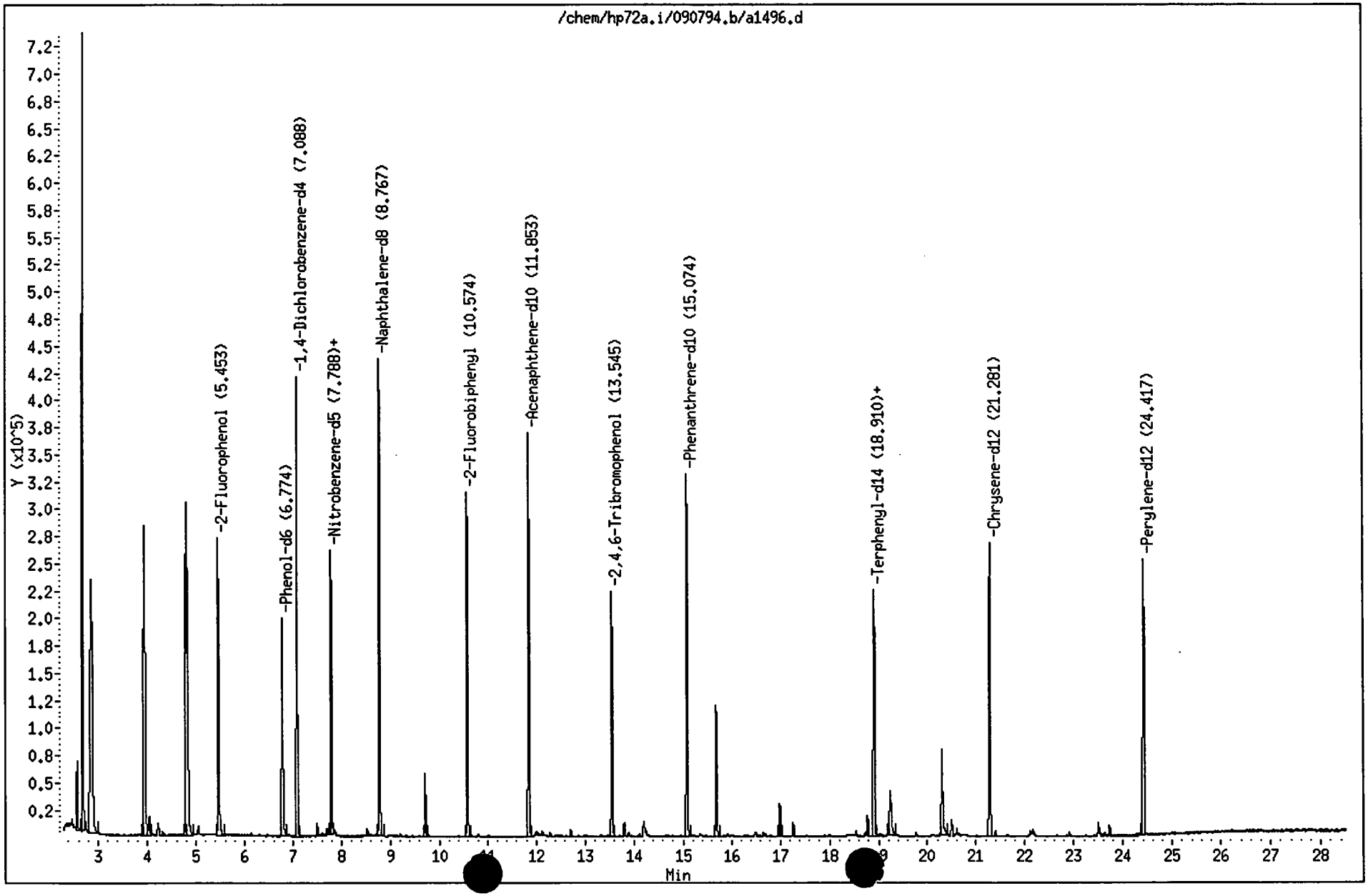
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.417	(1.000)	191714	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

0000124

Data File: /chem/hp72a.i/090794.b/a1496.d
Date : 07-SEP-94 19:46
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260048
CLIENT ID : SBA-11
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:05

ANALYST: jmk ANALYSIS DATE: 09/07/94 METHOD: 8270
ANALYSIS TIME: 20:23 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	120	39.6
Acenaphthylene	<	DL	120	39.6
Anthracene		218	120	39.6
Benzidine	<	DL	120	158
Benzo(a)anthracene	<	DL	120	39.6
Benzo(a)pyrene	<	DL	120	39.6
Benzo(b)fluoranthene	<	DL	120	39.6
Benzo(ghi)perylene	<	DL	120	39.6
Benzo(k)fluoranthene	<	DL	120	39.6
bis(2-Chloroethoxy)methane	<	DL	120	39.6
bis(2-Chloroethyl)ether	<	DL	120	39.6
bis(2-Chloroisopropyl)ether	<	DL	120	39.6
bis(2-Ethylhexyl)phthalate	<	DL	120	39.6
4-Bromophenyl phenyl ether	<	DL	120	39.6
Butyl benzyl phthalate	<	DL	120	39.6
2-Chloronaphthalene	<	DL	120	39.6
4-Chlorophenyl phenyl ether	<	DL	120	39.6
Chrysene		41.4	120	39.6
Dibenzo(a,h)anthracene	<	DL	120	39.6
1,2-Dichlorobenzene	<	DL	120	39.6
1,3-Dichlorobenzene	<	DL	120	39.6
1,4-Dichlorobenzene	<	DL	120	39.6
3,3'-Dichlorobenzidine	<	DL	120	79.2
Diethyl phthalate	<	DL	120	39.6
Dimethyl phthalate	<	DL	120	39.6
Di-n-butyl phthalate	<	DL	120	39.6
2,4-Dinitrotoluene	<	DL	120	39.6
2,6-Dinitrotoluene	<	DL	120	39.6
Di-n-octyl phthalate	<	DL	120	39.6
1,2-Diphenylhydrazine *	<	DL	120	39.6
Fluoranthene		84.0	120	39.6
Fluorene	<	DL	120	39.6

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000125

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
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(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260048
CLIENT ID : SBA-11
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:05

ANALYST: jmk ANALYSIS DATE: 09/07/94 METHOD: 8270
ANALYSIS TIME: 20:23 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	120	39.6
Hexachlorobutadiene	<	DL	120	39.6
Hexachlorocyclopentadiene	<	DL	120	39.6
Hexachloroethane	<	DL	120	39.6
Indeno(1,2,3-c,d)pyrene	<	DL	120	39.6
Isophorone	<	DL	120	39.6
Naphthalene	<	DL	120	39.6
Nitrobenzene	<	DL	120	39.6
N-Nitrosodimethylamine	<	DL	120	39.6
N-Nitrosodi-n-propylamine	<	DL	120	39.6
N-Nitrosodiphenylamine **	<	DL	120	39.6
Phenanthrene		65.6	120	39.6
Pyrene		64.5	120	39.6
1,2,4-Trichlorobenzene	<	DL	120	39.6
2-Chlorophenol	<	DL	120	39.6
2,4-Dichlorophenol	<	DL	120	39.6
2,4-Dimethylphenol	<	DL	120	39.6
4,6-Dinitro-o-cresol	<	DL	120	198
2,4-Dinitrophenol	<	DL	120	198
2-Nitrophenol	<	DL	120	39.6
4-Nitrophenol	<	DL	120	198
p-Chloro-m-cresol	<	DL	120	39.6
Pentachlorophenol	<	DL	120	198
Phenol	<	DL	120	39.6
2,4,6-Trichlorophenol	<	DL	120	39.6

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000126

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1459.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 19:59 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:200/S-2/0826-48
Misc Info : PRC/BNA/5:200/S-2/0826-48
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 10
Dil Factor: 1200.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)	
	1 n-Nitrosodimethylamine	42.00	2.738	(0.383)	1427	0.441	17.628	(a)
	2 Pyridine	79.00	Compound Not Detected.					
$	3 2-Fluorophenol	112.00	Compound Not Detected.					
$	4 Phenol-d6	99.00	Compound Not Detected.					
	5 Aniline	93.00	Compound Not Detected.					
	6 Phenol	94.00	Compound Not Detected.					
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.					
	8 2-Chlorophenol	128.00	Compound Not Detected.					
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
	10 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	120409	40.000		(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
	12 Benzyl alcohol	108.00	Compound Not Detected.					
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
	14 2-Methylphenol	108.00	Compound Not Detected.					
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.					
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.					
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.					
	18 Hexachloroethane	117.00	Compound Not Detected.					
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.					
	20 Nitrobenzene	77.00	Compound Not Detected.					
	21 Isophorone	82.00	Compound Not Detected.					
	22 2-Nitrophenol	139.00	Compound Not Detected.					
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.					
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.					
	25 Benzoic Acid	122.00	Compound Not Detected.					
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.					
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
*	28 Naphthalene-d8	136.00	8.838	(1.000)	402618	40.000		(a)
	29 Naphthalene	128.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.938	(1.000)	219331	40.000	(a)
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.109	(1.098)	2852	0.387	15.466(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.173	(1.000)	314651	40.000	(a)
	62 Phenanthrene	178.00	15.223	(1.003)	15134	1.627	65.070(a)
	63 Anthracene	178.00	15.337	(1.011)	53881	5.834	233.348(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.987	(1.185)	18792	2.053	82.113(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.494	(0.865)	15504	1.527	61.063(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.437	(1.002)	7484	0.946	37.836(a)
*	71 Chrysene-d12	240.00	21.387	(1.000)	226415	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.437	(1.002)	7484	1.117	44.663(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.744	(0.968)	5580	0.680	27.206(a)
	77 Benzo(k)fluoranthene	252.00	23.794	(0.970)	2902	0.371	14.858(a)
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

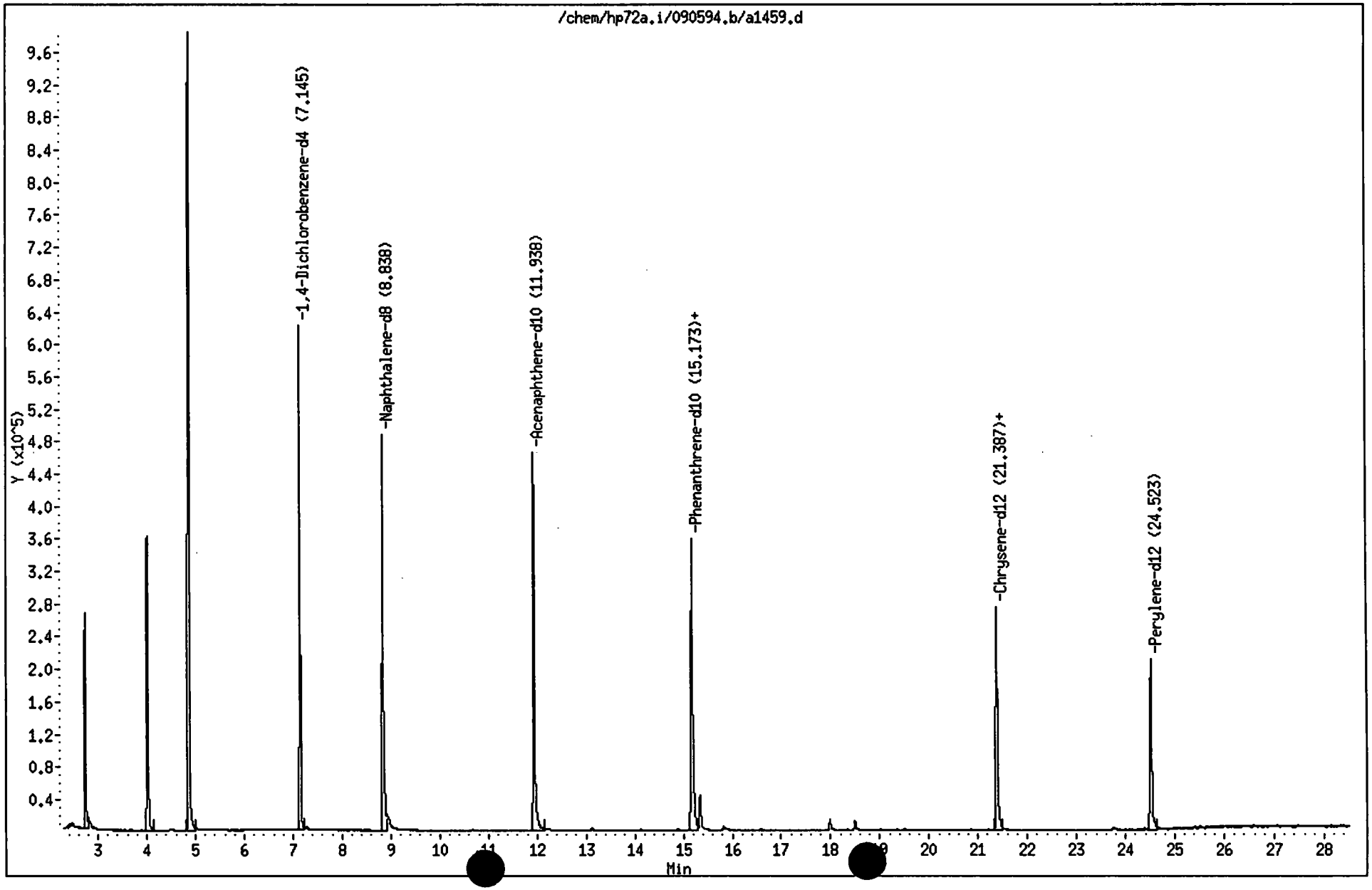
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.523	(1.000)	221627	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

0000130

Data File: /chem/hp72a.i/090594.b/a1459.d
Date : 05-SEP-94 19:59
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090794.b/a1497.d
Lab. Id. : Quant Type: ISTD
Inj Date : 07-SEP-94 20:23 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:20/S-2/0826-48
Misc Info : PRC/BNA/5:20/S-2/0826-48
Comment :
Method : /chem/hp72a.i/090794.b/ccal02.m
Meth Date : 07-Sep-1994 17:13
Cal Date : 07-SEP-94 16:35 Cal File: a1491.d
Als bottle: 8
Dil Factor: 120.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.466	(0.348)	1720	1.011	4.045(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.451	(0.770)	13241	5.010	20.041(a)
$	4 Phenol-d6	99.00	6.773	(0.957)	15871	6.121	24.484(a)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.080	(1.000)	60050	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.787	(0.888)	7856	2.919	11.677(a)
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.765	(1.000)	183363	40.000	(a)
	29 Naphthalene	128.00	8.794	(1.003)	9048	1.758	7.033(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.794	(1.003)	1058	0.655	2.622(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.901	(1.130)	3209	1.007	4.028(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.572	(0.893)	11003	3.120	12.480(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.558	(0.976)	5526	1.170	4.681(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.844	(1.000)	91619	40.000	(a)
	45 Acenaphthene	152.00	11.908	(1.005)	843	0.606	2.423(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.272	(1.036)	7151	1.726	6.902(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	12.994	(1.097)	15547	5.049	20.197(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.544	(1.144)	2079	3.940	15.761(aQ)
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.072	(1.000)	128671	40.000	(a)
	62 Phenanthrene	178.00	15.122	(1.003)	63276	16.412	65.649(a)
	63 Anthracene	178.00	15.244	(1.011)	207451	54.594	218.377(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.879	(1.186)	81313	20.990	83.958(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.387	(0.864)	66004	16.136	64.546(a)
$	68 Terphenyl-d14	244.00	18.901	(0.888)	10475	3.883	15.532(a)
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.251	(0.999)	23357	6.688	26.753(a)
*	71 Chrysene-d12	240.00	21.279	(1.000)	104393	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.329	(1.002)	32084	10.349	41.397(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.636	(0.968)	32299	7.429	29.714(a)
	77 Benzo(k)fluoranthene	252.00	23.844	(0.977)	4086	0.957	3.830(a)
	78 Benzo(a)pyrene	252.00	24.279	(0.995)	21072	5.235	20.941(a)

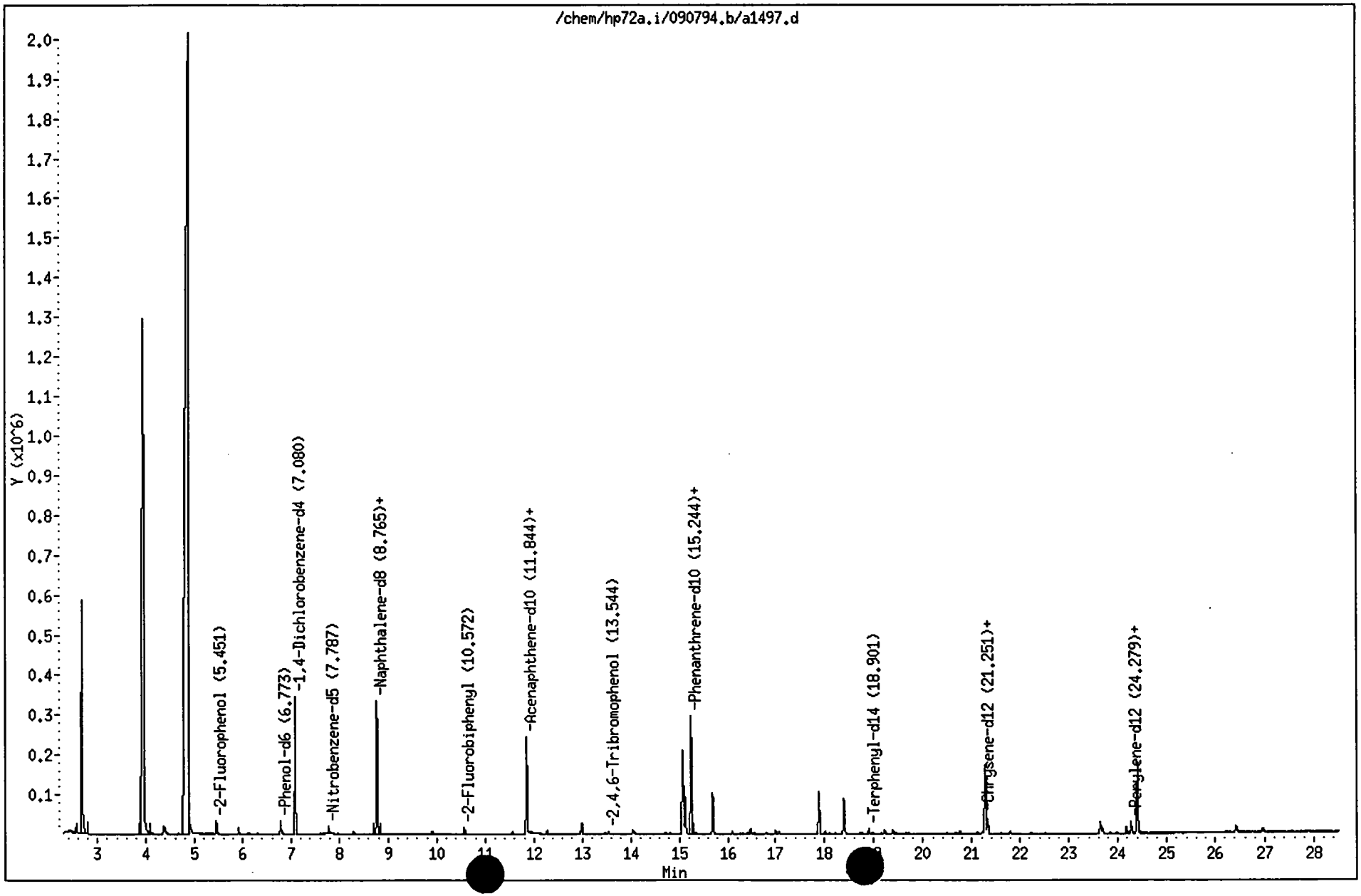
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.408	(1.000)	126882	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.422	(1.083)	15035	3.876	15.504(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	26.951	(1.104)	10376	2.626	10.504(a)

QC Flag Legend

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

0000134

Data File: /chem/hp72a.i/090794.b/a1497.d
Date : 07-SEP-94 20:23
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260048
CLIENT ID : SBA-11
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:05

ANALYST: jmk
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 20:39
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090694.b/a1485.d
Lab. Id. : Quant Type: ISTD
Inj Date : 06-SEP-94 20:39 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-48T
Misc Info : PRC/TCP/200:1/S-1/0826-48T
Comment :
Method : /chem/hp72a.i/090694.b/ccal02.m
Meth Date : 06-Sep-1994 11:28
Cal Date : 06-SEP-94 10:55 Cal File: a1471.d
Als bottle: 16
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.618	(0.366)	1428	0.403	2.016(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.546	(0.775)	81114	15.316	76.581(R)
$	4 Phenol-d6	99.00	6.875	(0.961)	74197	14.780	73.898
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.153	(1.000)	121276	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.868	(0.889)	232358	38.565	192.826
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.853	(1.000)	411136	40.000	
	29 Naphthalene	128.00	8.882	(1.003)	77261	6.864	34.318(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.882	(1.003)	10069	2.168	10.838(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	10.003	(1.130)	4486	0.608	3.042(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.675	(0.892)	297095	35.510	177.550
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	12.018	(1.005)	4031	0.353	1.765(Ta)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.960	(1.000)	222032	40.000	
	45 Acenaphthene	152.00	12.018	(1.005)	4031	1.205	6.026(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.389	(1.036)	8680	0.873	4.366(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.110	(1.096)	14849	2.004	10.020(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.675	(1.143)	55192	42.675	213.376
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.196	(1.000)	314639	40.000	
	62 Phenanthrene	178.00	15.239	(1.003)	33344	3.673	18.364(a)
	63 Anthracene	178.00	15.353	(1.010)	22847	2.477	12.385(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	18.003	(1.185)	14263	1.577	7.887(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.517	(0.865)	8883	0.845	4.224(a)
$	68 Terphenyl-d14	244.00	19.039	(0.889)	300007	42.740	213.698
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.417	(1.000)	239585	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.753	(1.016)	3583	0.438	2.189(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

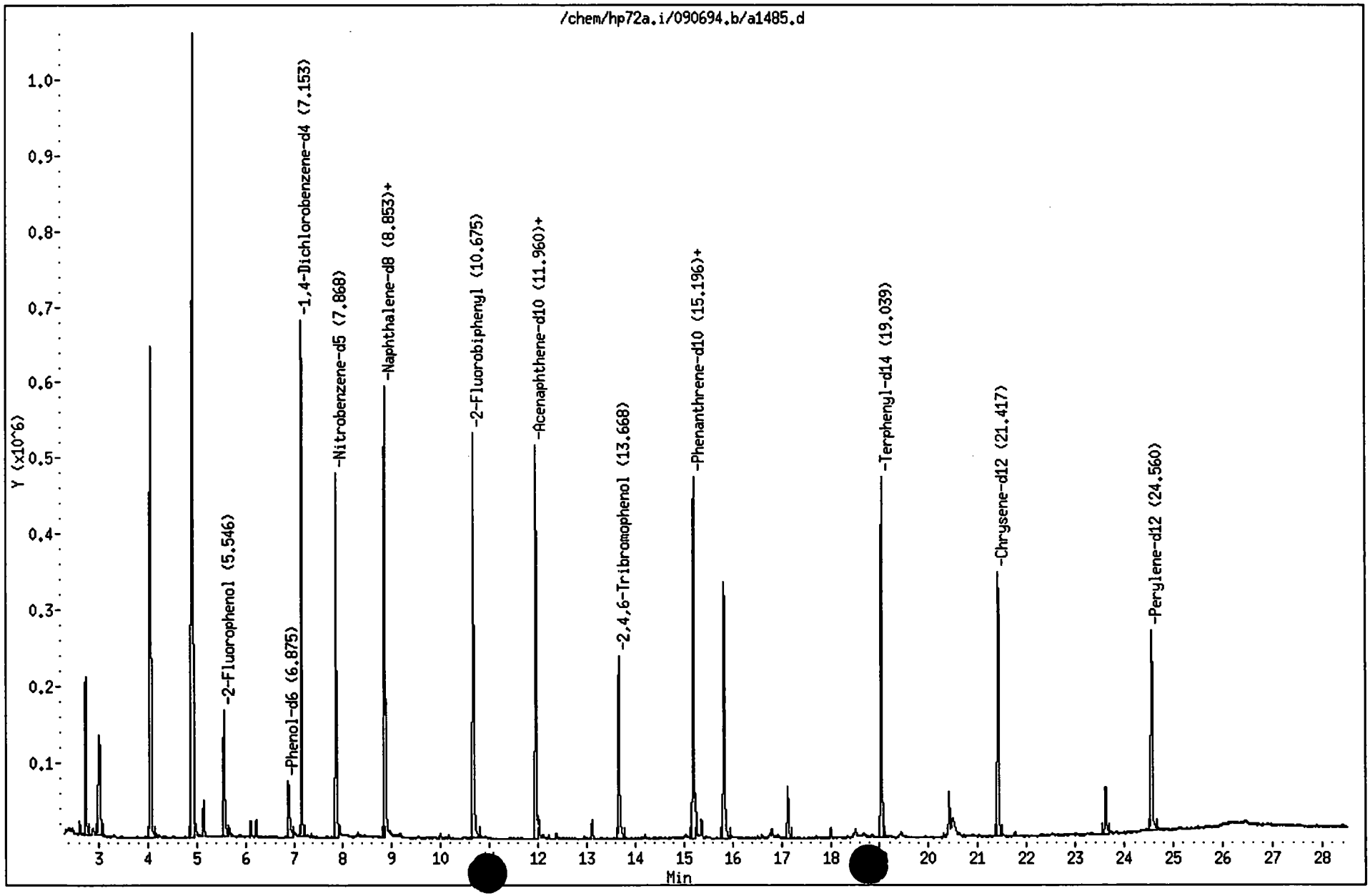
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.560	(1.000)	238972	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
[illegible] - Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090694.b/a1485.d
Date : 06-SEP-94 20:39
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000139



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260049
CLIENT ID : SBA-12
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:12

ANALYST: jmk ANALYSIS DATE: 09/07/94 METHOD: 8270
ANALYSIS TIME: 21:00 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	120	39.6
Acenaphthylene	<	DL	120	39.6
Anthracene		424	120	39.6
Benzidine	<	DL	120	158
Benzo(a)anthracene		68.9	120	39.6
Benzo(a)pyrene		49.0	120	39.6
Benzo(b)fluoranthene		68.9	120	39.6
Benzo(ghi)perylene	<	DL	120	39.6
Benzo(k)fluoranthene	<	DL	120	39.6
bis(2-Chloroethoxy)methane	<	DL	120	39.6
bis(2-Chloroethyl)ether	<	DL	120	39.6
bis(2-Chloroisopropyl)ether	<	DL	120	39.6
bis(2-Ethylhexyl)phthalate	<	DL	120	39.6
4-Bromophenyl phenyl ether	<	DL	120	39.6
Butyl benzyl phthalate	<	DL	120	39.6
2-Chloronaphthalene	<	DL	120	39.6
4-Chlorophenyl phenyl ether	<	DL	120	39.6
Chrysene		106	120	39.6
Dibenzo(a,h)anthracene	<	DL	120	39.6
1,2-Dichlorobenzene	<	DL	120	39.6
1,3-Dichlorobenzene	<	DL	120	39.6
1,4-Dichlorobenzene	<	DL	120	39.6
3,3'-Dichlorobenzidine	<	DL	120	79.2
Diethyl phthalate	<	DL	120	39.6
Dimethyl phthalate	<	DL	120	39.6
Di-n-butyl phthalate	<	DL	120	39.6
2,4-Dinitrotoluene	<	DL	120	39.6
2,6-Dinitrotoluene	<	DL	120	39.6
Di-n-octyl phthalate	<	DL	120	39.6
1,2-Diphenylhydrazine *	<	DL	120	39.6
Fluoranthene		217	120	39.6
Fluorene		46.3	120	39.6

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
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ANALYST: jmk ANALYSIS DATE: 09/07/94 METHOD: 8270
ANALYSIS TIME: 21:00 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	120	39.6
Hexachlorobutadiene	<	DL	120	39.6
Hexachlorocyclopentadiene	<	DL	120	39.6
Hexachloroethane	<	DL	120	39.6
Indeno(1,2,3-c,d)pyrene	<	DL	120	39.6
Isophorone	<	DL	120	39.6
Naphthalene	<	DL	120	39.6
Nitrobenzene	<	DL	120	39.6
N-Nitrosodimethylamine	<	DL	120	39.6
N-Nitrosodi-n-propylamine	<	DL	120	39.6
N-Nitrosodiphenylamine **	<	DL	120	39.6
Phenanthrene		162	120	39.6
Pyrene		154	120	39.6
1,2,4-Trichlorobenzene	<	DL	120	39.6
2-Chlorophenol	<	DL	120	39.6
2,4-Dichlorophenol	<	DL	120	39.6
2,4-Dimethylphenol	<	DL	120	39.6
4,6-Dinitro-o-cresol	<	DL	120	198
2,4-Dinitrophenol	<	DL	120	198
2-Nitrophenol	<	DL	120	39.6
4-Nitrophenol	<	DL	120	198
p-Chloro-m-cresol	<	DL	120	39.6
Pentachlorophenol	<	DL	120	198
Phenol	<	DL	120	39.6
2,4,6-Trichlorophenol	<	DL	120	39.6

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000141

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1460.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 20:37 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:200/S-2/0826-49
Misc Info : PRC/BNA/5:200/S-2/0826-49
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 11
Dil Factor: 1200.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.732	(0.383)	1599	0.544	21.769(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	Compound Not Detected.				
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.139	(1.000)	109256	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.839	(1.000)	366540	40.000	(a)
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.938	(1.000)	198798	40.000	(a)
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.110	(1.098)	6169	0.923	36.909(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.167	(1.000)	275467	40.000	(a)
	62 Phenanthrene	178.00	15.217	(1.003)	33645	4.131	165.238(a)
	63 Anthracene	178.00	15.338	(1.011)	92272	11.411	456.454(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.981	(1.186)	44119	5.505	220.204(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.488	(0.865)	33280	3.748	149.903(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.360	(0.999)	10883	1.573	62.924(a)
*	71 Chrysene-d12	240.00	21.381	(1.000)	197974	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.438	(1.003)	13534	2.309	92.372(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.752	(0.969)	11520	1.584	63.345(a)
	77 Benzo(k)fluoranthene	252.00	24.288	(0.991)	3458	0.499	19.967(Ta)
	78 Benzo(a)pyrene	252.00	24.395	(0.995)	7001	1.113	44.530(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.517	(1.000)	196514	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

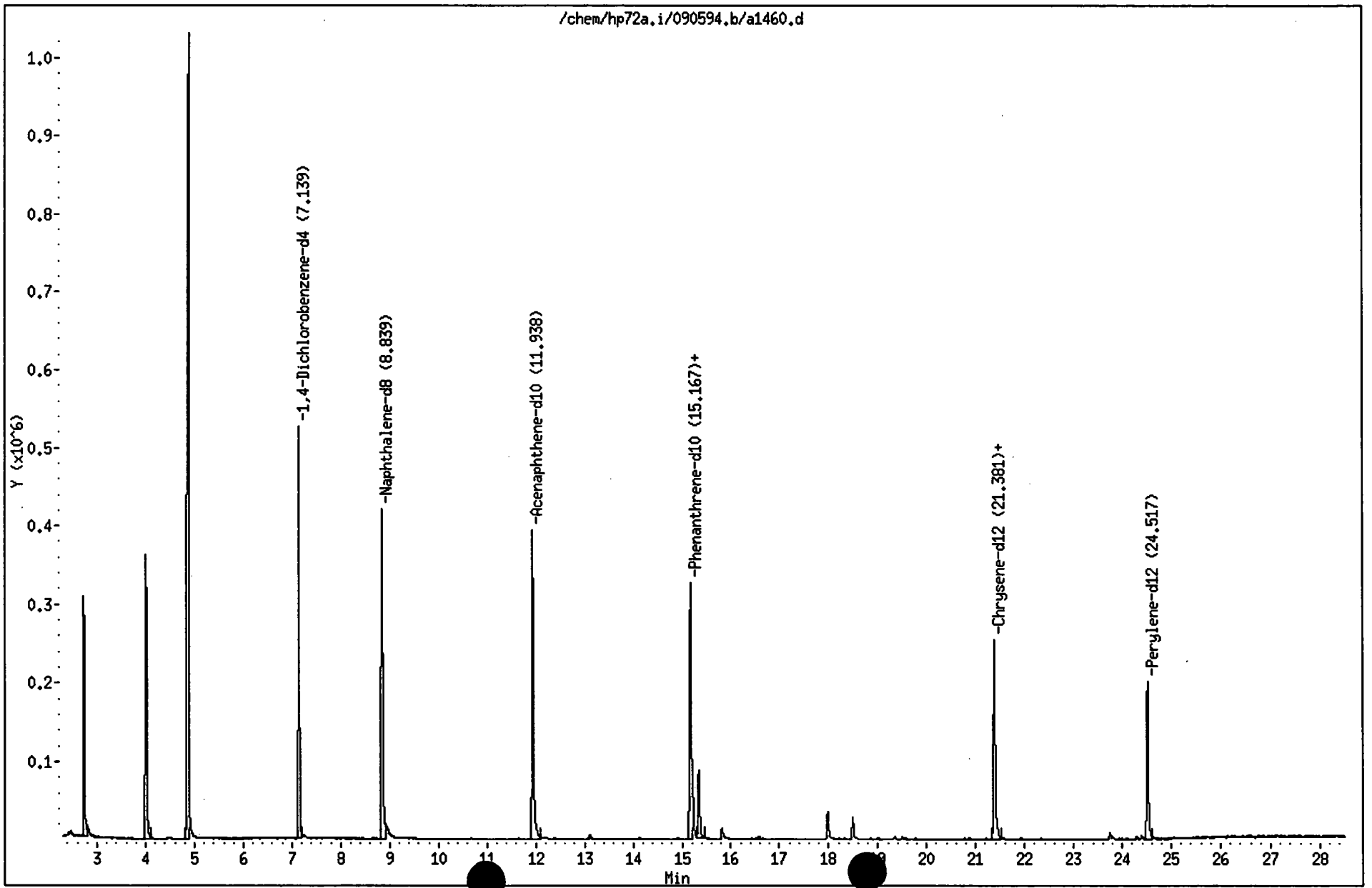
QC Flag Legend

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

Data File: /chem/hp72a.i/090594.b/a1460.d
Date : 05-SEP-94 20:37
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000145



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090794.b/a1498.d
Lab. Id. : Quant Type: ISTD
Inj Date : 07-SEP-94 21:00 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:20/S-2/0826-49
Misc Info : PRC/BNA/5:20/S-2/0826-49
Comment :
Method : /chem/hp72a.i/090794.b/ccal02.m
Meth Date : 07-Sep-1994 17:13
Cal Date : 07-SEP-94 16:35 Cal File: a1491.d
Als bottle: 9
Dil Factor: 120.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)	
	1 n-Nitrosodimethylamine	42.00	2.467	(0.348)	829	0.562	2.248(a)	
	2 Pyridine	79.00	Compound Not Detected.					
$	3 2-Fluorophenol	112.00	5.452	(0.770)	12292	5.363	21.453(a)	
$	4 Phenol-d6	99.00	6.774	(0.957)	15146	6.736	26.943(a)	
	5 Aniline	93.00	Compound Not Detected.					
	6 Phenol	94.00	Compound Not Detected.					
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.					
	8 2-Chlorophenol	128.00	Compound Not Detected.					
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
	10 1,4-Dichlorobenzene-d4	152.00	7.081	(1.000)	52077	40.000	(a)	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
	12 Benzyl alcohol	108.00	Compound Not Detected.					
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
	14 2-Methylphenol	108.00	Compound Not Detected.					
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.					
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.					
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.					
	18 Hexachloroethane	117.00	Compound Not Detected.					
$	19 Nitrobenzene-d5	82.00	7.788	(0.888)	7677	3.127	12.507(a)	
	20 Nitrobenzene	77.00	Compound Not Detected.					
	21 Isophorone	82.00	Compound Not Detected.					
	22 2-Nitrophenol	139.00	Compound Not Detected.					
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.					
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.					
	25 Benzoic Acid	122.00	Compound Not Detected.					
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.					
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
*	28 Naphthalene-d8	136.00	8.766	(1.000)	167298	40.000	(a)	
	29 Naphthalene	128.00	8.795	(1.003)	15035	3.202	12.809(a)	x

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)	
	30 4-Chloroaniline	127.00	8.795	(1.003)	1636	1.111	4.443(aQ)	
	31 Hexachlorobutadiene	225.00	Compound Not Detected.					
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.					
	33 2-Methylnaphthalene	142.00	9.902	(1.130)	5082	1.748	6.992(a)	
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.					
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.					
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.					
$	37 2-Fluorobiphenyl	172.00	10.573	(0.893)	11550	3.398	13.591(a)	
	38 2-Chloronaphthalene	162.00	Compound Not Detected.					
	39 2-Nitroaniline	138.00	Compound Not Detected.					
	40 Dimethylphthalate	163.00	Compound Not Detected.					
	41 Acenaphthylene	152.00	11.552	(0.975)	13282	2.918	11.673(a)	
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.					
	43 3-Nitroaniline	138.00	Compound Not Detected.					
*	44 Acenaphthene-d10	164.00	11.845	(1.000)	88313	40.000	(a)	
	45 Acenaphthene	152.00	11.909	(1.005)	2188	1.631	6.525(a)	
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.					
	47 4-Nitrophenol	109.00	Compound Not Detected.					
	48 Dibenzofuran	168.00	12.273	(1.036)	15950	3.993	15.971(a)	
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.					
	50 Fluorene	166.00	12.995	(1.097)	34321	11.564	46.255(a)	
	51 Diethylphthalate	149.00	Compound Not Detected.					
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.					
	53 4-Nitroaniline	138.00	Compound Not Detected.					
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.					
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.					
	56 Azobenzene	77.00	Compound Not Detected.					
$	57 2,4,6-Tribromophenol	330.00	13.538	(1.143)	1679	3.301	13.205(aQ)	
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.					
	59 Hexachlorobenzene	284.00	Compound Not Detected.					
	60 Pentachlorophenol	266.00	Compound Not Detected.					
*	61 Phenanthrene-d10	188.00	15.073	(1.000)	127348	40.000	(a)	
	62 Phenanthrene	178.00	15.123	(1.003)	154654	40.530	162.122(a)	
	63 Anthracene	178.00	15.252	(1.012)	398915	106.072	424.288(a)	
	64 Di-n-butylphthalate	149.00	Compound Not Detected.					
	65 Fluoranthene	202.00	17.888	(1.187)	208370	54.346	217.384(a)	
	66 Benzidine	184.00	Compound Not Detected.					
	67 Pyrene	202.00	18.395	(0.864)	166009	38.417	153.668(a)	
$	68 Terphenyl-d14	244.00	18.902	(0.888)	10564	3.707	14.827(a)	
	69 Butylbenzylphthalate	149.00	Compound Not Detected.					
	70 Benzo(a)anthracene	228.00	21.259	(0.999)	63557	17.227	68.908(a)	
*	71 Chrysene-d12	240.00	21.280	(1.000)	110285	40.000	(a)	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.					
	73 Chrysene	228.00	21.337	(1.003)	87086	26.591	106.363(a)	
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.					
	75 Di-n-octylphthalate	149.00	Compound Not Detected.					
	76 Benzo(b)fluoranthene	252.00	23.637	(0.968)	79716	17.224	68.896(a)	
	77 Benzo(k)fluoranthene	252.00	23.695	(0.971)	34129	7.513	30.051(aH)	
	78 Benzo(a)pyrene	252.00	24.287	(0.995)	52505	12.255	49.019(aH)	

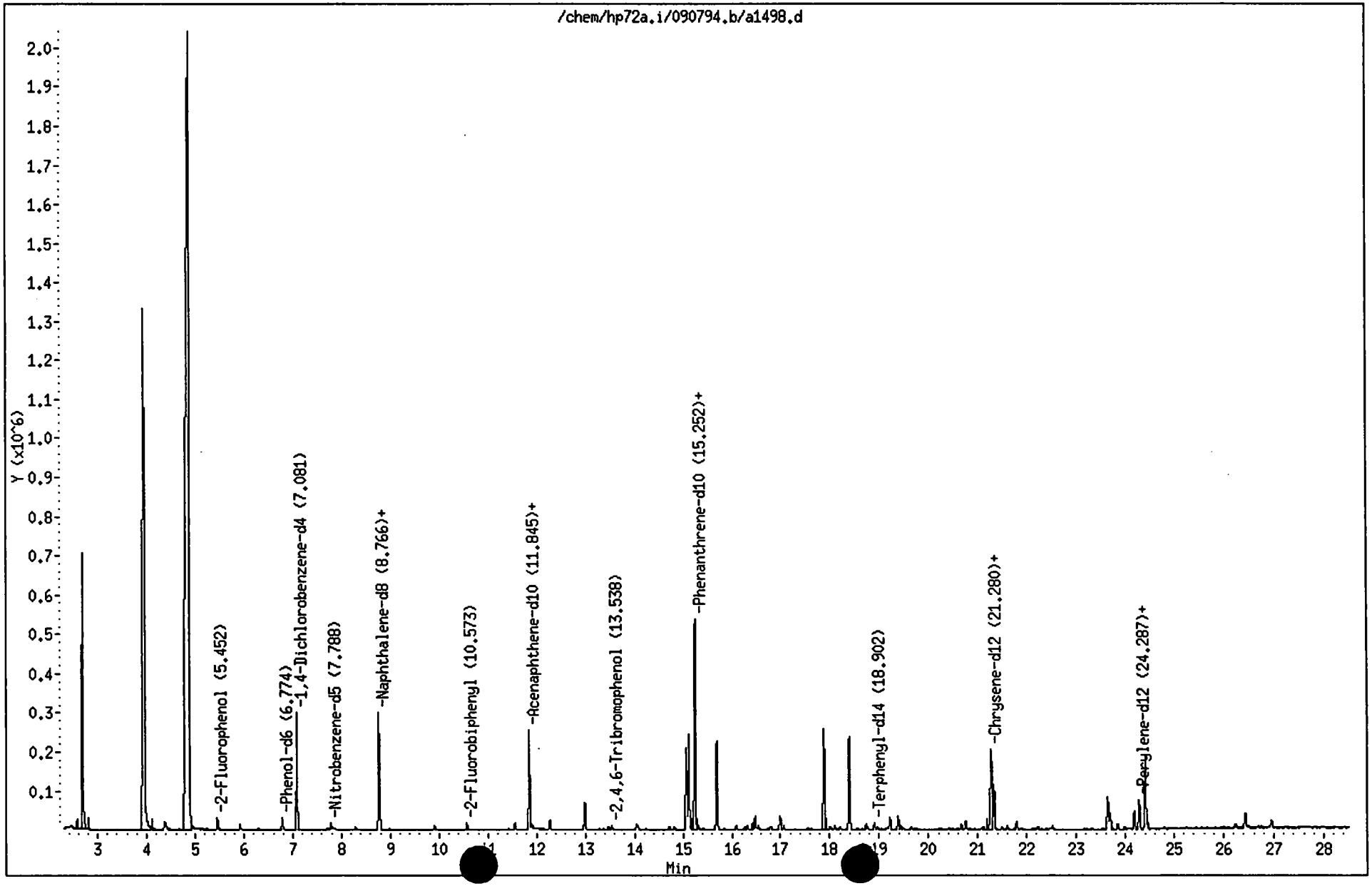
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.409	(1.000)	135060	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.430	(1.083)	36973	8.955	35.819(a)
81 Dibenzo(a,h)anthracene	278.00	26.487	(1.085)	7324	1.858	7.432(a)
82 Benzo(g,h,i)perylene	276.00	26.952	(1.104)	18904	4.495	17.978(a)

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: /chem/hp72a.i/090794.b/a1498.d
Date : 07-SEP-94 21:00
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000149



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260049
CLIENT ID : SBA-12
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:12

ANALYST: jmk
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 21:16
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

"**" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090694.b/a1486.d
Lab. Id. : Quant Type: ISTD
Inj Date : 06-SEP-94 21:16 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-49T
Misc Info : PRC/TCP/200:1/S-1/0826-49T
Comment :
Method : /chem/hp72a.i/090694.b/ccal02.m
Meth Date : 06-Sep-1994 11:28
Cal Date : 06-SEP-94 10:55 Cal File: a1471.d
Als bottle: 17
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.617	(0.366)	867	0.231	1.156(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.560	(0.777)	15384	2.744	13.720(aR)
$	4 Phenol-d6	99.00	6.888	(0.963)	13114	2.468	12.338(aR)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.152	(1.000)	128385	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.867	(0.889)	227191	35.070	175.351
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.852	(1.000)	442055	40.000	
	29 Naphthalene	128.00	8.881	(1.003)	17883	1.478	7.388(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.881	(1.003)	1398	0.280	1.400(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.674	(0.892)	328396	37.163	185.817
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.959	(1.000)	234506	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.666	(1.143)	32439	23.748	118.740
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.195	(1.000)	323518	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.031	(0.889)	300470	45.299	226.494
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.416	(1.000)	226398	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.752	(1.016)	4110	0.531	2.657(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

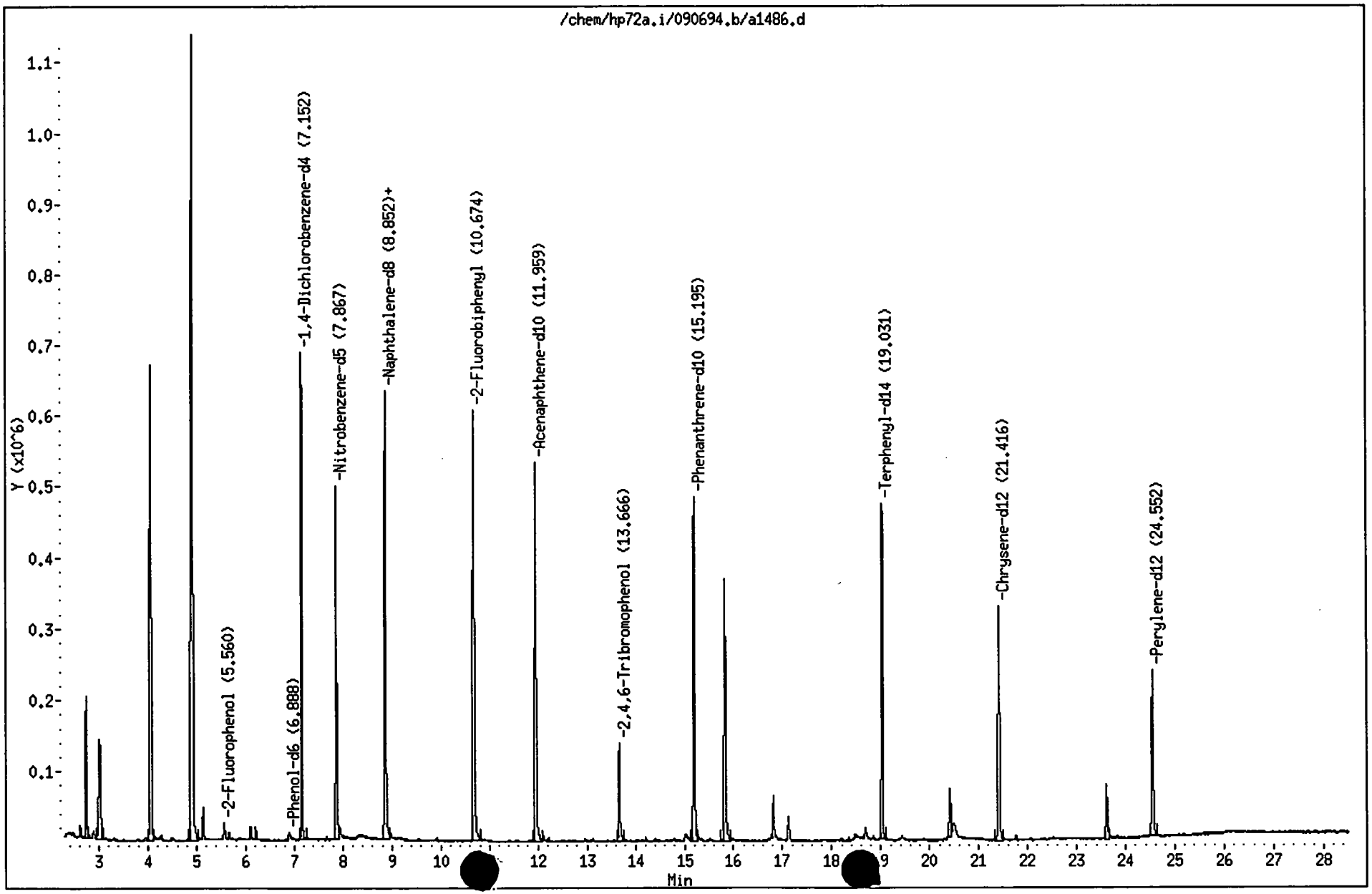
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.552	(1.000)	212860	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

0000154

Data File: /chem/hp72a.i/090694.b/a1486.d
Date : 06-SEP-94 21:16
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090794.b/a1494.d
Lab. Id. : Quant Type: ISTD
Inj Date : 07-SEP-94 18:31 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-49T
Misc Info : PRC/TCP/200:1/S-1/0826-49T
Comment :
Method : /chem/hp72a.i/090794.b/ccal02.m
Meth Date : 07-Sep-1994 17:13
Cal Date : 07-SEP-94 16:35 Cal File: a1491.d
Als bottle: 5
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
1	n-Nitrosodimethylamine	42.00	2.567	(0.362)	6220	3.476	17.382(a)
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	5.453	(0.769)	136908	49.253	246.265
$ 4	Phenol-d6	99.00	6.774	(0.956)	125162	45.895	229.474
5	Aniline	93.00	Compound Not Detected.				
6	Phenol	94.00	Compound Not Detected.				
7	bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
8	2-Chlorophenol	128.00	Compound Not Detected.				
9	1,3-Dichlorobenzene	146.00	Compound Not Detected.				
10	1,4-Dichlorobenzene-d4	152.00	7.089	(1.000)	63161	40.000	
11	1,4-Dichlorobenzene	146.00	Compound Not Detected.				
12	Benzyl alcohol	108.00	Compound Not Detected.				
13	1,2-Dichlorobenzene	146.00	Compound Not Detected.				
14	2-Methylphenol	108.00	Compound Not Detected.				
15	Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
16	3- & 4-Methylphenol	108.00	Compound Not Detected.				
17	N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
18	Hexachloroethane	117.00	Compound Not Detected.				
$ 19	Nitrobenzene-d5	82.00	7.789	(0.888)	125726	41.240	206.198
20	Nitrobenzene	77.00	Compound Not Detected.				
21	Isophorone	82.00	Compound Not Detected.				
22	2-Nitrophenol	139.00	Compound Not Detected.				
23	2,4-Dimethyphenol	122.00	Compound Not Detected.				
24	bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
25	Benzoic Acid	122.00	Compound Not Detected.				
26	2,4-Dichlorophenol	162.00	Compound Not Detected.				
27	1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
* 28	Naphthalene-d8	136.00	8.767	(1.000)	207734	40.000	
29	Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.574	(0.893)	164668	38.662	193.312
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.846	(1.000)	110651	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.546	(1.143)	49920	78.339	391.693
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.074	(1.000)	167531	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	18.910	(2.668)	2869	2.394	11.971(TaQ)
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	18.910	(0.889)	172064	46.072	230.359
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.281	(1.000)	144520	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

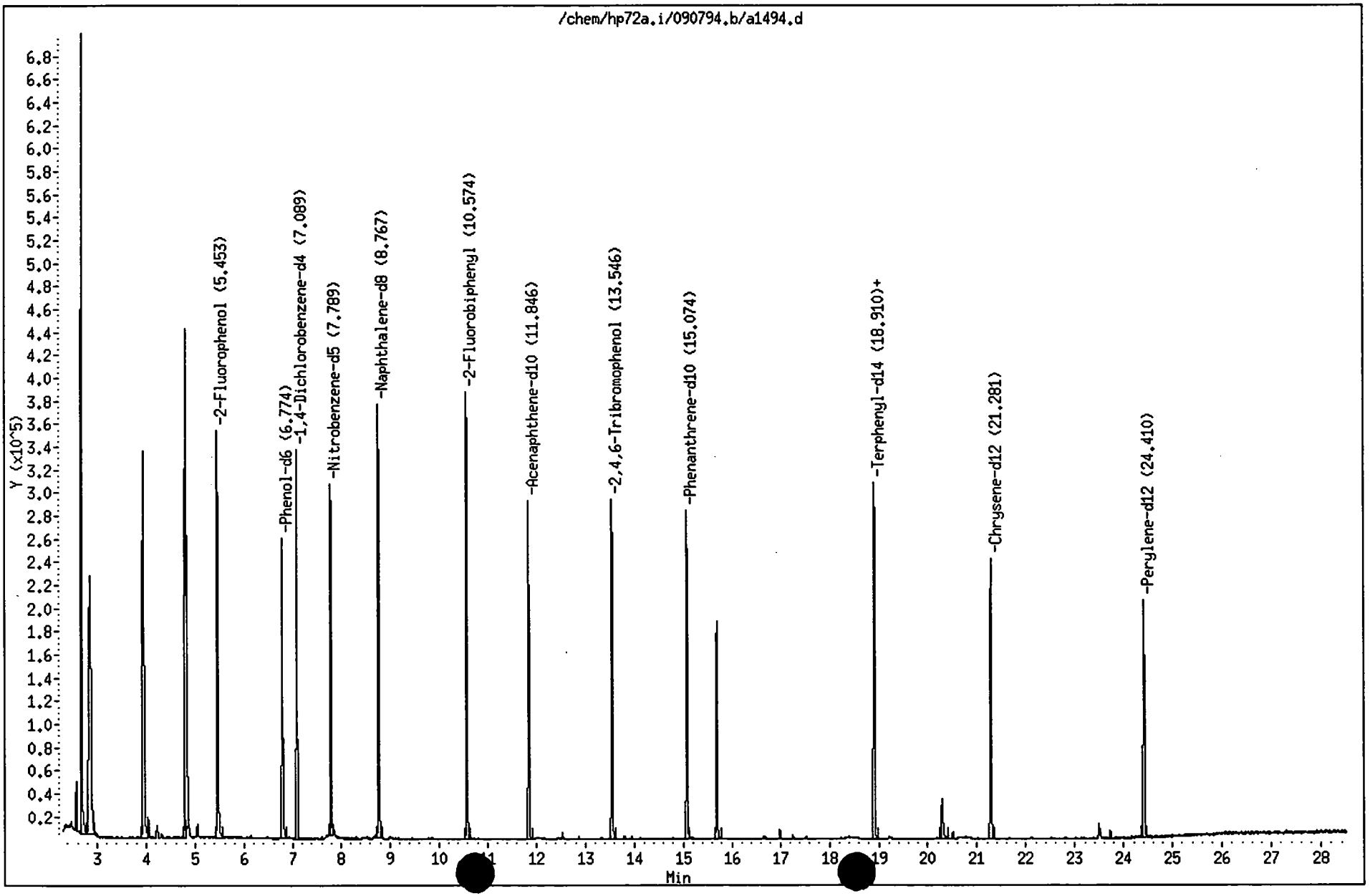
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.410	(1.000)	158283	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

0000158

Data File: /chem/hp72a.i/090794.b/a1494.d
Date : 07-SEP-94 18:31
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260050
CLIENT ID : SBA-13
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 15:08 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	1200	396
Acenaphthylene	<	DL	1200	396
Anthracene		1270	1200	396
Benzidine	<	DL	1200	1580
Benzo(a)anthracene	<	DL	1200	396
Benzo(a)pyrene	<	DL	1200	396
Benzo(b)fluoranthene	<	DL	1200	396
Benzo(ghi)perylene	<	DL	1200	396
Benzo(k)fluoranthene	<	DL	1200	396
bis(2-Chloroethoxy)methane	<	DL	1200	396
bis(2-Chloroethyl)ether	<	DL	1200	396
bis(2-Chloroisopropyl)ether	<	DL	1200	396
bis(2-Ethylhexyl)phthalate	<	DL	1200	396
4-Bromophenyl phenyl ether	<	DL	1200	396
Butyl benzyl phthalate	<	DL	1200	396
2-Chloronaphthalene	<	DL	1200	396
4-Chlorophenyl phenyl ether	<	DL	1200	396
Chrysene	<	DL	1200	396
Dibenzo(a,h)anthracene	<	DL	1200	396
1,2-Dichlorobenzene	<	DL	1200	396
1,3-Dichlorobenzene	<	DL	1200	396
1,4-Dichlorobenzene	<	DL	1200	396
3,3'-Dichlorobenzidine	<	DL	1200	792
Diethyl phthalate	<	DL	1200	396
Dimethyl phthalate	<	DL	1200	396
Di-n-butyl phthalate	<	DL	1200	396
2,4-Dinitrotoluene	<	DL	1200	396
2,6-Dinitrotoluene	<	DL	1200	396
Di-n-octyl phthalate	<	DL	1200	396
1,2-Diphenylhydrazine *	<	DL	1200	396
Fluoranthene	<	DL	1200	396
Fluorene	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000159

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260050
CLIENT ID : SBA-13
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 15:08 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	1200	396
Hexachlorobutadiene	<	DL	1200	396
Hexachlorocyclopentadiene	<	DL	1200	396
Hexachloroethane	<	DL	1200	396
Indeno(1,2,3-c,d)pyrene	<	DL	1200	396
Isophorone	<	DL	1200	396
Naphthalene	<	DL	1200	396
Nitrobenzene	<	DL	1200	396
N-Nitrosodimethylamine	<	DL	1200	396
N-Nitrosodi-n-propylamine	<	DL	1200	396
N-Nitrosodiphenylamine **	<	DL	1200	396
Phenanthrene		435	1200	396
Pyrene	<	DL	1200	396
1,2,4-Trichlorobenzene	<	DL	1200	396
2-Chlorophenol	<	DL	1200	396
2,4-Dichlorophenol	<	DL	1200	396
2,4-Dimethylphenol	<	DL	1200	396
4,6-Dinitro-o-cresol	<	DL	1200	1980
2,4-Dinitrophenol	<	DL	1200	1980
2-Nitrophenol	<	DL	1200	396
4-Nitrophenol	<	DL	1200	1980
p-Chloro-m-cresol	<	DL	1200	396
Pentachlorophenol	<	DL	1200	1980
Phenol	<	DL	1200	396
2,4,6-Trichlorophenol	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1461.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 21:14 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:200/S-2/0826-50
Misc Info : PRC/BNA/5:200/S-2/0826-50
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 12
Dil Factor: 1200.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.732	(0.383)	1449	0.430	17.192(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.525	(0.774)	1605	0.300	11.988(aQ)
$	4 Phenol-d6	99.00	7.139	(1.000)	1723	0.352	14.065(TaQ)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.139	(1.000)	125364	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.839	(1.000)	413530	40.000	(a)
	29 Naphthalene	128.00	8.868	(1.003)	22584	1.957	78.271(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.868	(1.003)	1547	0.298	11.923(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	10.004	(1.132)	7107	0.946	37.832(aQ)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.996	(1.005)	3441	0.281	11.241(Ta)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.939	(1.000)	231941	40.000	(a)
	45 Acenaphthene	152.00	11.996	(1.005)	3441	0.975	39.013(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.368	(1.036)	16195	1.542	61.683(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.096	(1.097)	28875	3.702	148.074(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.168	(1.000)	316586	40.000	(a)
	62 Phenanthrene	178.00	15.218	(1.003)	101781	10.874	434.945(a)
	63 Anthracene	178.00	15.339	(1.011)	294399	31.680	1267.189(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.982	(1.186)	68743	7.464	298.542(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.489	(0.865)	55231	5.517	220.683(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.360	(0.999)	14171	1.817	72.682(a)
*	71 Chrysene-d12	240.00	21.382	(1.000)	223177	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.432	(1.002)	25590	3.873	154.932(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.746	(0.969)	14406	1.835	73.406(a)
	77 Benzo(k)fluoranthene	252.00	24.289	(0.991)	4833	0.646	25.860(Ta)
	78 Benzo(a)pyrene	252.00	24.396	(0.995)	8129	1.198	47.913(a)

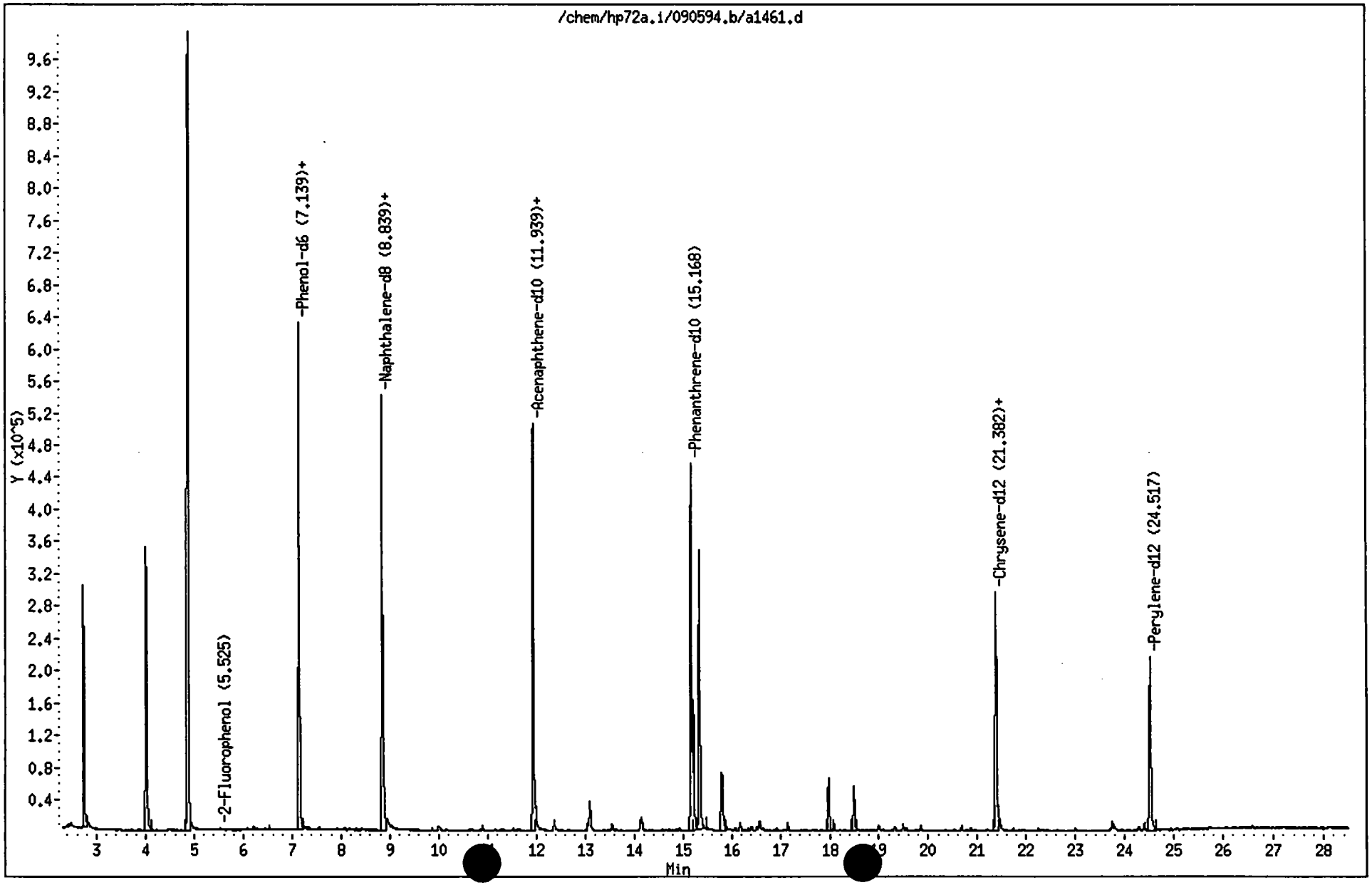
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.517	(1.000)	212063	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

0000164

Data File: /chem/hp72a.i/090594.b/a1461.d
Date : 05-SEP-94 21:14
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260050
CLIENT ID : SBA-13
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk
ANALYSIS DATE: 09/05/94
ANALYSIS TIME: 23:43
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1465.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 23:43 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-50T
Misc Info : PRC/TCP/200:1/S-1/0826-50T
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 16
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.730	(0.382)	3130	0.974	4.870(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.530	(0.774)	25630	5.020	25.102(aR)
$	4 Phenol-d6	99.00	6.859	(0.960)	19349	4.142	20.711(aR)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	119505	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.852	(0.888)	213871	35.731	178.657
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.837	(1.000)	411320	40.000	
	29 Naphthalene	128.00	8.866	(1.003)	252084	21.959	109.796

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.895	(1.006)	2130	0.413	2.063(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.980	(1.129)	7007	0.937	4.687(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.659	(0.893)	331956	40.115	200.575
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.644	(0.975)	6733	0.585	2.926(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.937	(1.000)	217943	40.000	
	45 Acenaphthene	152.00	11.994	(1.005)	3891	1.174	5.869(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.366	(1.036)	6140	0.622	3.111(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.087	(1.096)	7182	0.980	4.899(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.637	(1.142)	35174	27.349	136.747
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.166	(1.000)	303529	40.000	
	62 Phenanthrene	178.00	15.216	(1.003)	10273	1.145	5.724(a)
	63 Anthracene	178.00	15.216	(1.003)	10273	1.153	5.765(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.009	(0.889)	298438	49.611	248.053
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.380	(1.000)	208670	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.730	(1.016)	3175	0.438	2.191(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.516	(1.000)	196129	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

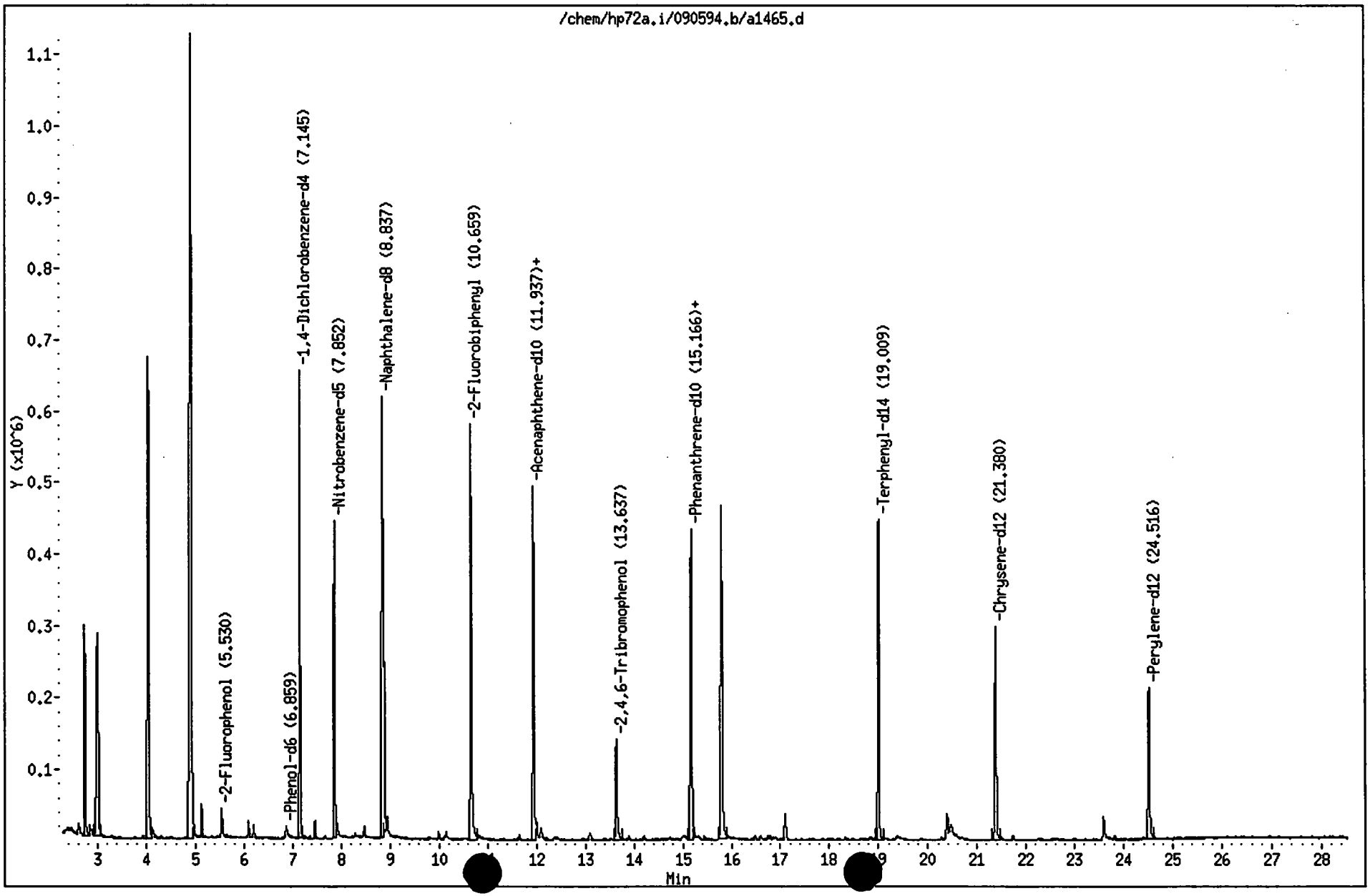
QC Flag Legend

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

Data File: /chem/hp72a.i/090594.b/a1465.d
Date : 05-SEP-94 23:43
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0001691



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090794.b/a1495.d
Lab. Id. : Quant Type: ISTD
Inj Date : 07-SEP-94 19:08 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-50T
Misc Info : PRC/TCP/200:1/S-1/0826-50T
Comment :
Method : /chem/hp72a.i/090794.b/ccal02.m
Meth Date : 07-Sep-1994 17:13
Cal Date : 07-SEP-94 16:35 Cal File: a1491.d
Als bottle: 6
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.373	(0.335)	1877	1.120	5.600(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.459	(0.770)	123434	47.407	237.036
$	4 Phenol-d6	99.00	6.780	(0.957)	110586	43.291	216.455
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.087	(1.000)	59162	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.787	(0.888)	109857	40.479	202.395
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.766	(1.000)	184925	40.000	
	29 Naphthalene	128.00	8.801	(1.004)	33675	6.489	32.443(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.801	(1.004)	4174	2.564	12.820(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.580	(0.893)	142476	39.011	195.057
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.851	(1.000)	94882	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.551	(1.143)	41310	75.601	378.005
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.073	(1.000)	138271	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	18.908	(2.668)	2363	2.105	10.526(TaQ)
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	18.908	(0.889)	136538	44.976	224.882
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.280	(1.000)	117474	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

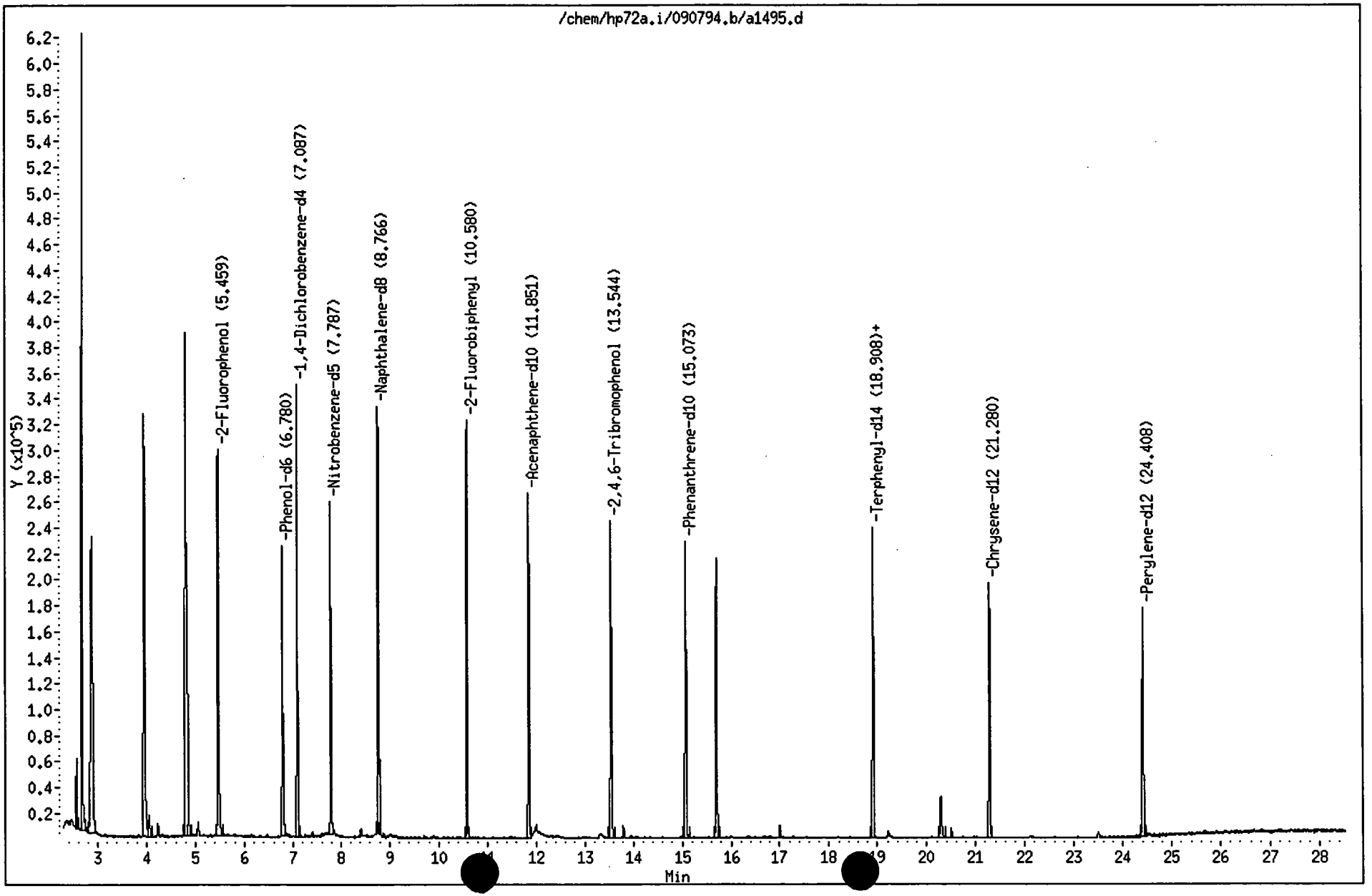
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.408	(1.000)	131261	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

Data File: /chem/hp72a.i/090794.b/a1495.d
Date : 07-SEP-94 19:08
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000173



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260053
CLIENT ID : SBA-14
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:50

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 23:05 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	1200	396
Acenaphthylene	<	DL	1200	396
Anthracene	<	DL	1200	396
Benzidine	<	DL	1200	1580
Benzo(a)anthracene	<	DL	1200	396
Benzo(a)pyrene	<	DL	1200	396
Benzo(b)fluoranthene	<	DL	1200	396
Benzo(ghi)perylene	<	DL	1200	396
Benzo(k)fluoranthene	<	DL	1200	396
bis(2-Chloroethoxy)methane	<	DL	1200	396
bis(2-Chloroethyl)ether	<	DL	1200	396
bis(2-Chloroisopropyl)ether	<	DL	1200	396
bis(2-Ethylhexyl)phthalate	<	DL	1200	396
4-Bromophenyl phenyl ether	<	DL	1200	396
Butyl benzyl phthalate	<	DL	1200	396
2-Chloronaphthalene	<	DL	1200	396
4-Chlorophenyl phenyl ether	<	DL	1200	396
Chrysene	<	DL	1200	396
Dibenzo(a,h)anthracene	<	DL	1200	396
1,2-Dichlorobenzene	<	DL	1200	396
1,3-Dichlorobenzene	<	DL	1200	396
1,4-Dichlorobenzene	<	DL	1200	396
3,3'-Dichlorobenzidine	<	DL	1200	792
Diethyl phthalate	<	DL	1200	396
Dimethyl phthalate	<	DL	1200	396
Di-n-butyl phthalate	<	DL	1200	396
2,4-Dinitrotoluene	<	DL	1200	396
2,6-Dinitrotoluene	<	DL	1200	396
Di-n-octyl phthalate	<	DL	1200	396
1,2-Diphenylhydrazine *	<	DL	1200	396
Fluoranthene		814	1200	396
Fluorene	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000174

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260053
CLIENT ID : SBA-14
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:50

ANALYST: jmk ANALYSIS DATE: 09/05/94 METHOD: 8270
ANALYSIS TIME: 23:05 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	1200	396
Hexachlorobutadiene	<	DL	1200	396
Hexachlorocyclopentadiene	<	DL	1200	396
Hexachloroethane	<	DL	1200	396
Indeno(1,2,3-c,d)pyrene	<	DL	1200	396
Isophorone	<	DL	1200	396
Naphthalene		1160	1200	396
Nitrobenzene	<	DL	1200	396
N-Nitrosodimethylamine	<	DL	1200	396
N-Nitrosodi-n-propylamine	<	DL	1200	396
N-Nitrosodiphenylamine **	<	DL	1200	396
Phenanthrene		1050	1200	396
Pyrene		467	1200	396
1,2,4-Trichlorobenzene	<	DL	1200	396
2-Chlorophenol	<	DL	1200	396
2,4-Dichlorophenol	<	DL	1200	396
2,4-Dimethylphenol	<	DL	1200	396
4,6-Dinitro-o-cresol	<	DL	1200	1980
2,4-Dinitrophenol	<	DL	1200	1980
2-Nitrophenol	<	DL	1200	396
4-Nitrophenol	<	DL	1200	1980
p-Chloro-m-cresol	<	DL	1200	396
Pentachlorophenol	<	DL	1200	1980
Phenol	<	DL	1200	396
2,4,6-Trichlorophenol	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000175

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1464.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 23:05 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:200/S-2/0826-53
Misc Info : PRC/BNA/5:200/S-2/0826-53
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 15
Dil Factor: 1200.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.731	(0.383)	1350	0.389	15.569(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.531	(0.775)	1524	0.277	11.064(aQ)
$	4 Phenol-d6	99.00	Compound Not Detected.				
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.138	(1.000)	128978	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.838	(1.000)	452106	40.000	(a)
	29 Naphthalene	128.00	8.867	(1.003)	364919	28.921	1156.820(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.895	(1.006)	4486	0.791	31.624(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.988	(1.130)	31267	3.806	152.238(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.667	(0.893)	2732	0.296	11.831(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.645	(0.975)	64011	4.984	199.374(a)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.938	(1.000)	243262	40.000	(a)
	45 Acenaphthene	152.00	11.995	(1.005)	4685	1.266	50.646(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.367	(1.036)	54965	4.990	199.605(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.095	(1.097)	61483	7.515	300.618(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.167	(1.000)	351786	40.000	(a)
	62 Phenanthrene	178.00	15.224	(1.004)	274005	26.344	1053.753(a)
	63 Anthracene	178.00	15.331	(1.011)	85885	8.317	332.687(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.981	(1.186)	208279	20.351	814.021(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.488	(0.864)	128595	11.676	467.030(a)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.359	(0.999)	51355	5.985	239.409(a)
*	71 Chrysene-d12	240.00	21.388	(1.000)	245536	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.438	(1.002)	51932	7.145	285.786(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.745	(0.969)	44237	4.851	194.037(a)
	77 Benzo(k)fluoranthene	252.00	24.281	(0.990)	9726	1.120	44.797(Ta)
	78 Benzo(a)pyrene	252.00	24.388	(0.995)	24213	3.071	122.850(a)

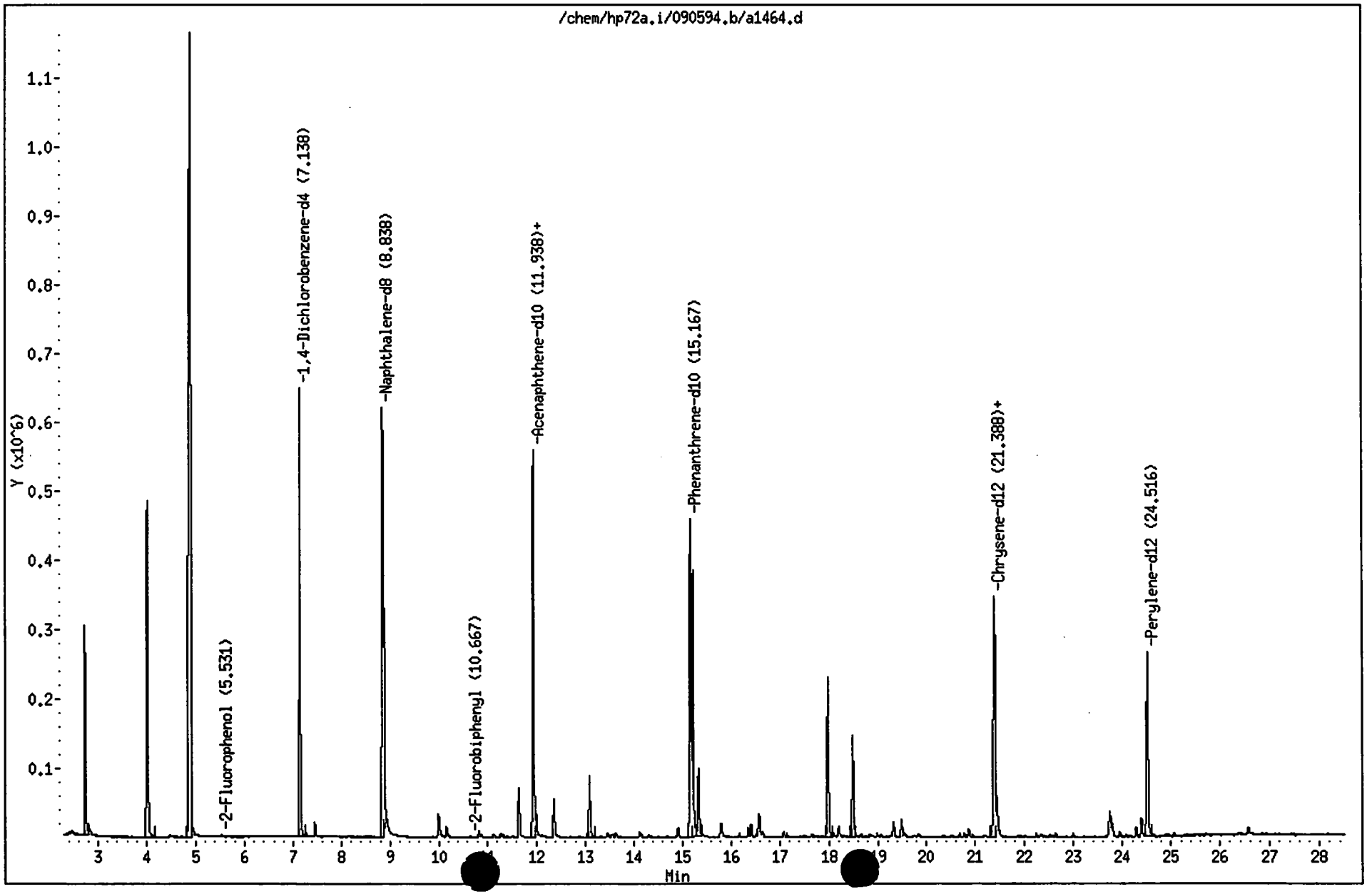
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.516	(1.000)	246352	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.566	(1.084)	14528	2.156	86.250(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

Data File: /chem/hp72a.i/090594.b/a1464.d
Date : 05-SEP-94 23:05
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

00001179



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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260053
CLIENT ID : SBA-14
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:50

ANALYST: jmk
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 21:53
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

0000180

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090694.b/a1487.d
Lab. Id. :
Inj Date : 06-SEP-94 21:53
Operator :
Smp Info : PRC/TCP/200:1/S-1/0826-53T
Misc Info : PRC/TCP/200:1/S-1/0826-53T
Comment :
Method : /chem/hp72a.i/090694.b/ccal02.m
Meth Date : 06-Sep-1994 11:28
Cal Date : 06-SEP-94 10:55
Als bottle: 18
Dil Factor: 5.000
Integrator: HP RTE
Sample Matrix: WATER

Quant Type: ISTD
Autotune Date: {
Inst ID: hp72a.i
Cal File: a1471.d
Target Version: Target 3.00
Compound Sublist: all.sub

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.616	(0.365)	1035	0.304	1.518(a)
	2 Pyridine	79.00	2.844	(0.000)	2529	0.372	1.862(aM)
$	3 2-Fluorophenol	112.00	5.544	(0.774)	164833	32.330	161.652
$	4 Phenol-d6	99.00	6.866	(0.959)	155106	32.094	160.468
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	6.887	(0.962)	135320	23.126	115.630
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.158	(1.000)	116751	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	7.594	(1.061)	54568	22.325	111.624(TQ)
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	7.594	(1.061)	54568	13.473	67.363
	15 Bis(2-chloroisopropyl)ether	45.00	7.123	(0.995)	1584	0.260	1.300(TaQ)
	16 3- & 4-Methylphenol	108.00	7.801	(1.090)	177248	47.945	239.723
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.865	(0.888)	231798	41.874	209.369
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.487	(0.958)	17803	5.515	27.573(a)
	24 bis(-2-Chloroethoxy)methane	93.00	8.958	(1.011)	2373	0.420	2.098(TaQ)
	25 Benzoic Acid	122.00	8.680	(1.213)	59679	24.758	123.790(Q)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.858	(1.000)	377739	40.000	
	29 Naphthalene	128.00	8.894	(1.004)	1036828	100.251	501.254

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.894	(1.004)	146651	34.363	171.813(Q)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.994	(1.128)	11430	1.687	8.435(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.673	(0.893)	293992	37.225	186.124
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.658	(0.975)	59032	5.475	27.377(a)
	42 2,6-Dinitrotoluene	165.00	11.951	(1.000)	26149	12.373	61.865(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.951	(1.000)	209592	40.000	
	45 Acenaphthene	152.00	11.658	(0.975)	59032	18.699	93.493(TQ)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.380	(1.036)	9101	0.970	4.850(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.108	(1.097)	7700	1.101	5.504(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.672	(0.900)	3140	0.656	3.279(Ta)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.672	(1.144)	81066	66.402	332.008
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.194	(1.000)	308591	40.000	
	62 Phenanthrene	178.00	15.265	(1.005)	3780	0.425	2.123(aQ)
	63 Anthracene	178.00	15.265	(1.005)	3780	0.418	2.089(aQ)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.037	(0.889)	306733	43.886	219.431
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.415	(1.000)	238556	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.751	(1.016)	4516	0.554	2.771(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

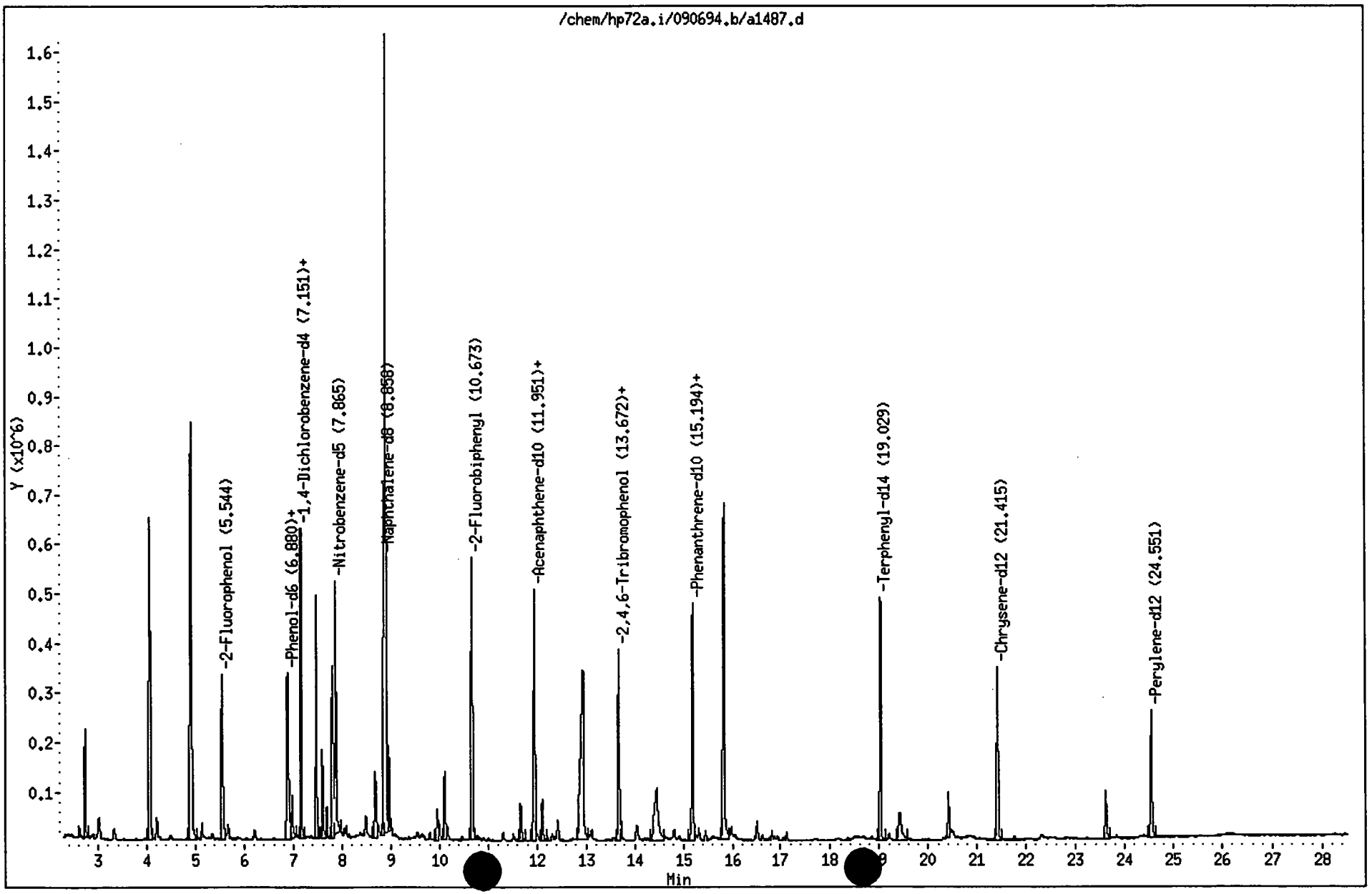
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.551	(1.000)	227860	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: /chem/hp72a.i/090694.b/a1487.d
Date : 06-SEP-94 21:53
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000184



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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : WATER
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260045
CLIENT ID : SBA-ER01
SAMPLE DATE: 08/25/94
SAMPLE TIME: 09:20

ANALYST: lgb ANALYSIS DATE: 09/02/94 METHOD: 8270
ANALYSIS TIME: 02:54 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Acenaphthene	< DL	1	10
Acenaphthylene	< DL	1	10
Anthracene	< DL	1	10
Benzidine	< DL	1	40
Benzo(a)anthracene	< DL	1	10
Benzo(a)pyrene	< DL	1	10
Benzo(b)fluoranthene	< DL	1	10
Benzo(ghi)perylene	< DL	1	10
Benzo(k)fluoranthene	< DL	1	10
bis(2-Chloroethoxy)methane	< DL	1	10
bis(2-Chloroethyl)ether	< DL	1	10
bis(2-Chloroisopropyl)ether	< DL	1	10
bis(2-Ethylhexyl)phthalate	< DL	1	10
4-Bromophenyl phenyl ether	< DL	1	10
Butyl benzyl phthalate	< DL	1	10
2-Chloronaphthalene	< DL	1	10
4-Chlorophenyl phenyl ether	< DL	1	10
Chrysene	< DL	1	10
Dibenzo(a,h)anthracene	< DL	1	10
1,2-Dichlorobenzene	< DL	1	10
1,3-Dichlorobenzene	< DL	1	10
1,4-Dichlorobenzene	< DL	1	10
3,3'-Dichlorobenzidine	< DL	1	20
Diethyl phthalate	< DL	1	10
Dimethyl phthalate	< DL	1	10
Di-n-butyl phthalate	< DL	1	10
2,4-Dinitrotoluene	< DL	1	10
2,6-Dinitrotoluene	< DL	1	10
Di-n-octyl phthalate	< DL	1	10
1,2-Diphenylhydrazine *	< DL	1	10
Fluoranthene	< DL	1	10
Fluorene	< DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : WATER
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260045
CLIENT ID : SBA-ER01
SAMPLE DATE: 08/25/94
SAMPLE TIME: 09:20

ANALYST: lgb ANALYSIS DATE: 09/02/94 METHOD: 8270
ANALYSIS TIME: 02:54 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (ug/L)	DILUTION	DET LIM (ug/L)
Hexachlorobenzene	< DL	1	10
Hexachlorobutadiene	< DL	1	10
Hexachlorocyclopentadiene	< DL	1	10
Hexachloroethane	< DL	1	10
Indeno(1,2,3-cd)pyrene	< DL	1	10
Isophorone	< DL	1	10
Naphthalene	< DL	1	10
Nitrobenzene	< DL	1	10
N-Nitrosodimethylamine	< DL	1	10
N-Nitrosodi-n-propylamine	< DL	1	10
N-Nitrosodiphenylamine **	< DL	1	10
Phenanthrene	< DL	1	10
Pyrene	< DL	1	10
1,2,4-Trichlorobenzene	< DL	1	10
2-Chlorophenol	< DL	1	10
2,4-Dichlorophenol	< DL	1	10
2,4-Dimethylphenol	< DL	1	10
4,6-Dinitro-o-Cresol	< DL	1	50
2,4-Dinitrophenol	< DL	1	50
2-Nitrophenol	< DL	1	10
4-Nitrophenol	< DL	1	50
p-Chloro-m-cresol	< DL	1	10
Pentachlorophenol	< DL	1	50
Phenol	< DL	1	10
2,4,6-Trichlorophenol	< DL	1	10

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000186

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090194.b/a1368.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 02:54 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0826-45/PRC/500:.5/S-.5
Misc Info :
Comment :
Method : /chem/hp72a.i/090194.b/ccal02.m
Meth Date : 02-Sep-1994 08:44 lgb
Cal Date : 01-SEP-94 16:21 Cal File: a1351.d
Als bottle: 19
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.573	(0.360)	1359	0.281	0.281(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.523	(0.773)	475576	49.004	49.004
$	4 Phenol-d6	99.00	6.837	(0.957)	392101	43.125	43.125
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	7.166	(1.003)	3947	0.438	0.438(aQ)
	10 1,4-Dichlorobenzene-d4	152.00	7.144	(1.000)	210170	40.000	
	11 1,4-Dichlorobenzene	146.00	7.166	(1.003)	3947	0.450	0.450(aQ)
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	7.166	(1.003)	3947	0.464	0.464(TaQ)
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	7.858	(1.100)	50618	7.155	7.155(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.858	(0.889)	367053	40.703	40.703
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.844	(1.000)	677763	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.658	(0.893)	540735	36.392	36.392
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.937	(1.000)	364578	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.644	(1.143)	128292	61.537	61.537
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.165	(1.000)	502241	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	16.744	(1.104)	15920	0.680	0.680(a)
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.008	(0.889)	447830	37.586	37.586
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.379	(1.000)	362235	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.737	(1.017)	22470	1.586	1.586(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.508	(1.000)	273877	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

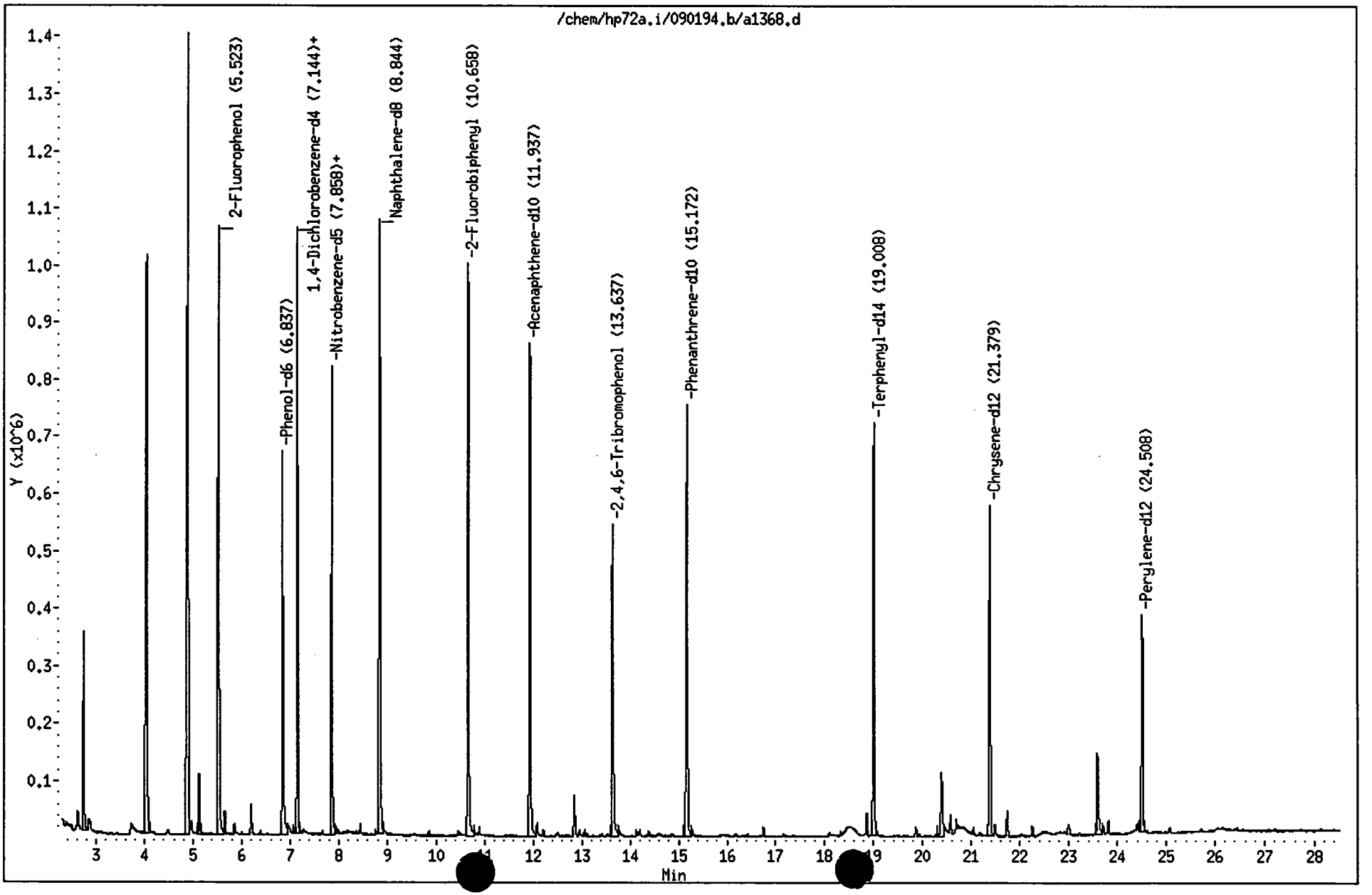
QC Flag Legend

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

Data File: /chem/hp72a.i/090194.b/a1368.d
Date : 02-SEP-94 02:54
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000190



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SURROGATE DETAIL RESULTS

Sample#: 9408260030 Client ID: SBA-01
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	108	81 - 117	8260
1,2-Dichloroethane-d4	100	70 - 121	8260
4-Bromofluorobenzene	116	74 - 121	8260
Phenol-d6	58	24 - 113	8270
2-Fluorobiphenyl	72	30 - 115	8270
Nitrobenzene-d5	66	23 - 120	8270
2-Fluorophenol	52	25 - 121	8270
2,4,6-Tribromophenol	49	19 - 122	8270
Terphenyl-d14	68	18 - 137	8270
Phenol-d6	51	10 - 94	TCLP 1311/8270
2-Fluorophenol	46	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	81	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	66	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	71	10 - 123	TCLP 1311/8270
Terphenyl-d14	73	33 - 141	TCLP 1311/8270
Toluene-d8	117	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	118	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	106	74 - 121	ZHE 1311/8240

Sample#: 9408260031 Client ID: SBA-02
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8260
1,2-Dichloroethane-d4	89	70 - 121	8260
4-Bromofluorobenzene	101	74 - 121	8260
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	48	10 - 94	TCLP 1311/8270
2-Fluorophenol	51	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	76	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	58	43 - 116	TCLP 1311/8270

Report#: 9403016
DO = Diluted Out

0000191

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SURROGATE DETAIL RESULTS

Sample#: 9408260031 Client ID: SBA-02
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2,4,6-Tribromophenol	76	10 - 123	TCLP 1311/8270
Terphenyl-d14	89	33 - 141	TCLP 1311/8270
Toluene-d8	118	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	105	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	101	74 - 121	ZHE 1311/8240

Sample#: 9408260032 Client ID: SBA-03
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	102	81 - 117	8240
1,2-Dichloroethane-d4	100	70 - 121	8240
4-Bromofluorobenzene	116	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	37	10 - 94	TCLP 1311/8270
2-Fluorophenol	51	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	83	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	76	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	96	10 - 123	TCLP 1311/8270
Terphenyl-d14	86	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Sample#: 9408260033 Client ID: SBA-04
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	99	81 - 117	8240
1,2-Dichloroethane-d4	98	70 - 121	8240
4-Bromofluorobenzene	110	74 - 121	8240

Report#: 9403016
DO = Diluted Out

0000192

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SURROGATE DETAIL RESULTS

Sample#: 9408260033 Client ID: SBA-04
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	45	10 - 94	TCLP 1311/8270
2-Fluorophenol	46	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	80	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	66	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	71	10 - 123	TCLP 1311/8270
Terphenyl-d14	75	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Sample#: 9408260034 Client ID: SBA-05
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	108	81 - 117	8240
1,2-Dichloroethane-d4	95	70 - 121	8240
4-Bromofluorobenzene	109	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	47	10 - 94	TCLP 1311/8270
2-Fluorophenol	49	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	82	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	70	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	77	10 - 123	TCLP 1311/8270
Terphenyl-d14	74	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240

Report#: 9403016
DO = Diluted Out

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SURROGATE DETAIL RESULTS

Sample#: 9408260034 Client ID: SBA-05
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	89	74 - 121	ZHE 1311/8240

Sample#: 9408260035 Client ID: SBA-05(MS)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	96	81 - 117	8240
1,2-Dichloroethane-d4	88	70 - 121	8240
4-Bromofluorobenzene	108	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	57	10 - 94	TCLP 1311/8270
2-Fluorophenol	54	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	84	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	77	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	76	10 - 123	TCLP 1311/8270
Terphenyl-d14	79	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	99	74 - 121	ZHE 1311/8240

Sample#: 9408260036 Client ID: SBA-05(MSD)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	109	81 - 117	8240
1,2-Dichloroethane-d4	97	70 - 121	8240
4-Bromofluorobenzene	110	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270

Report#: 9403016
DO = Diluted Out

0000194

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
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SURROGATE DETAIL RESULTS

Sample#: 9408260036 Client ID: SBA-05(MSD)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	44	10 - 94	TCLP 1311/8270
2-Fluorophenol	84	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	83	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	77	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	72	10 - 123	TCLP 1311/8270
Terphenyl-d14	74	33 - 141	TCLP 1311/8270
Toluene-d8	111	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	83	74 - 121	ZHE 1311/8240

Sample#: 9408260037 Client ID: SBA-06
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	100	81 - 117	8240
1,2-Dichloroethane-d4	95	70 - 121	8240
4-Bromofluorobenzene	100	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	42	10 - 94	TCLP 1311/8270
2-Fluorophenol	44	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	82	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	67	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	71	10 - 123	TCLP 1311/8270
Terphenyl-d14	73	33 - 141	TCLP 1311/8270
Toluene-d8	110	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	104	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Report#: 9403016
DO = Diluted Out

0000195

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SURROGATE DETAIL RESULTS

Sample#: 9408260038 Client ID: SBA-07
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8240
1,2-Dichloroethane-d4	91	70 - 121	8240
4-Bromofluorobenzene	105	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	47	10 - 94	TCLP 1311/8270
2-Fluorophenol	51	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	94	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	75	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	81	10 - 123	TCLP 1311/8270
Terphenyl-d14	79	33 - 141	TCLP 1311/8270
Toluene-d8	105	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	97	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Sample#: 9408260039 Client ID: SBA-08
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	98	81 - 117	8240
1,2-Dichloroethane-d4	95	70 - 121	8240
4-Bromofluorobenzene	109	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	45	10 - 94	TCLP 1311/8270
2-Fluorophenol	49	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	97	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	73	43 - 116	TCLP 1311/8270

Report#: 9403016
DO = Diluted Out

0000196

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SURROGATE DETAIL RESULTS

Sample#: 9408260039 Client ID: SBA-08
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2,4,6-Tribromophenol	76	10 - 123	TCLP 1311/8270
Terphenyl-d14	74	33 - 141	TCLP 1311/8270
Toluene-d8	108	81 - 117	ZHB 1311/8240
1,2-Dichloroethane-d4	112	70 - 121	ZHB 1311/8240
4-Bromofluorobenzene	104	74 - 121	ZHB 1311/8240

Sample#: 9408260040 Client ID: SBA-09
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	106	81 - 117	8240
1,2-Dichloroethane-d4	104	70 - 121	8240
4-Bromofluorobenzene	120	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	40	10 - 94	TCLP 1311/8270
2-Fluorophenol	47	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	94	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	76	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	79	10 - 123	TCLP 1311/8270
Terphenyl-d14	68	33 - 141	TCLP 1311/8270
Toluene-d8	109	81 - 117	ZHB 1311/8240
1,2-Dichloroethane-d4	109	70 - 121	ZHB 1311/8240
4-Bromofluorobenzene	102	74 - 121	ZHB 1311/8240

Sample#: 9408260041 Client ID: SBA-10
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	103	81 - 117	8240
1,2-Dichloroethane-d4	108	70 - 121	8240
4-Bromofluorobenzene	108	74 - 121	8240

Report#: 9403016
DO = Diluted Out

0000197

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SURROGATE DETAIL RESULTS

Sample#: 9408260041 Client ID: SBA-10
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d5	28	10 - 94	TCLP 1311/8270
2-Fluorophenol	31	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	81	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	72	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	61	10 - 123	TCLP 1311/8270
Terphenyl-d14	73	33 - 141	TCLP 1311/8270
Toluene-d8	109	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	106	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	99	74 - 121	ZHE 1311/8240

Sample#: 9408260042 Client ID: SBA-TB01
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	108	88 - 110	8240
1,2-Dichloroethane-d4	105	76 - 114	8240
4-Bromofluorobenzene	107	86 - 115	8240

Sample#: 9408260043 Client ID: SBA-FB01
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	88 - 110	8240
1,2-Dichloroethane-d4	87	76 - 114	8240
4-Bromofluorobenzene	87	86 - 115	8240

DO = Diluted Out

Report#: 9403016

0000198

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SURROGATE DETAIL RESULTS

Sample#: 9408260045 Client ID: SBA-ER01
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	104	88 - 110	8240
1,2-Dichloroethane-d4	109	76 - 114	8240
4-Bromofluorobenzene	105	86 - 115	8240
Phenol-d6	43	10 - 94	8270
2-Fluorophenol	49	21 - 100	8270
Nitrobenzene-d5	81	35 - 114	8270
2-Fluorobiphenyl	73	43 - 116	8270
2,4,6-Tribromophenol	62	10 - 123	8270
Terphenyl-d14	75	33 - 141	8270

Sample#: 9408260046 Client ID: SBA-TB02
Matrix : WATER

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	115	88 - 110	8240
1,2-Dichloroethane-d4	110	76 - 114	8240
4-Bromofluorobenzene	114	86 - 115	8240

Sample#: 9408260048 Client ID: SBA-11
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	97	81 - 117	8240
1,2-Dichloroethane-d4	94	70 - 121	8240
4-Bromofluorobenzene	103	74 - 121	8240
Phenol-d6	61	24 - 113	8270
2-Fluorobiphenyl	62	30 - 115	8270
Nitrobenzene-d5	58	23 - 120	8270
2-Fluorophenol	50	25 - 121	8270
2,4,6-Tribromophenol	39	19 - 122	8270
Terphenyl-d14	78	18 - 137	8270
Phenol-d6	15	10 - 94	TCLP 1311/8270
2-Fluorophenol	15*	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	77	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	71	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	43	10 - 123	TCLP 1311/8270
Terphenyl-d14	88	33 - 141	TCLP 1311/8270

Report#: 9403016
*See Narrative

0000199

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SURROGATE DETAIL RESULTS

Sample#: 9408260048 Client ID: SBA-11
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	109	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	104	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	105	74 - 121	ZHE 1311/8240

Sample#: 9408260049 Client ID: SBA-12
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	102	81 - 117	8248
1,2-Dichloroethane-d4	99	70 - 121	8240
4-Bromofluorobenzene	108	74 - 121	8240
Phenol-d6	67	24 - 113	8270
2-Fluorobiphenyl	68	30 - 115	8270
Nitrobenzene-d5	61	23 - 120	8270
2-Fluorophenol	54	25 - 121	8270
2,4,6-Tribromophenol	33	19 - 122	8270
Terphenyl-d14	74	18 - 137	8270
Phenol-d6	46	10 - 94	TCLP 1311/8270
2-Fluorophenol	43	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	70	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	74	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	78	10 - 123	TCLP 1311/8270
Terphenyl-d14	91	33 - 141	TCLP 1311/8270
Toluene-d8	114	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	110	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	98	74 - 121	ZHE 1311/8240

Sample#: 9408260050 Client ID: SBA-13
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8240
1,2-Dichloroethane-d4	80	70 - 121	8248
4-Bromofluorobenzene	90	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270

Report#: 9403016
DO = Diluted Out

0000200

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SURROGATE DETAIL RESULTS

Sample#: 9408260050 Client ID: SBA-13
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	43	10 - 94	TCLP 1311/8270
2-Fluorophenol	47	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	71	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	80	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	74	10 - 123	TCLP 1311/8270
Terphenyl-d14	99	33 - 141	TCLP 1311/8270
Toluene-d8	112	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	100	74 - 121	ZHE 1311/8240

Sample#: 9408260051 Client ID: SBA-13(MS)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	94	81 - 117	8240
1,2-Dichloroethane-d4	96	70 - 121	8240
4-Bromofluorobenzene	102	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	32	10 - 94	TCLP 1311/8270
2-Fluorophenol	34	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	87	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	81	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	58	10 - 123	TCLP 1311/8270
Terphenyl-d14	102	33 - 141	TCLP 1311/8270
Toluene-d8	112	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	100	74 - 121	ZHE 1311/8240

Report#: 9403016
DO = Diluted Out

0000201

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SURROGATE DETAIL RESULTS

Sample#: 9408260052 Client ID: SBA-13(MSD)
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	94	81 - 117	8240
1,2-Dichloroethane-d4	92	70 - 121	8240
4-Bromofluorobenzene	105	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	35	10 - 94	TCLP 1311/8270
2-Fluorophenol	38	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	89	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	83	43 - 116	TCLP 1311/8270
2,4,6-Tribromophenol	65	10 - 123	TCLP 1311/8270
Terphenyl-d14	110	33 - 141	TCLP 1311/8270
Toluene-d8	112	81 - 117	ZHE 1311/8240
1,2-Dichloroethane-d4	108	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	100	74 - 121	ZHE 1311/8240

Sample#: 9408260053 Client ID: SBA-14
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
Toluene-d8	90	81 - 117	8240
1,2-Dichloroethane-d4	88	70 - 121	8240
4-Bromofluorobenzene	98	74 - 121	8240
Phenol-d6	DO	24 - 113	8270
2-Fluorobiphenyl	DO	30 - 115	8270
Nitrobenzene-d5	DO	23 - 120	8270
2-Fluorophenol	DO	25 - 121	8270
2,4,6-Tribromophenol	DO	19 - 122	8270
Terphenyl-d14	DO	18 - 137	8270
Phenol-d6	32	10 - 94	TCLP 1311/8270
2-Fluorophenol	32	21 - 100	TCLP 1311/8270
Nitrobenzene-d5	84	35 - 114	TCLP 1311/8270
2-Fluorobiphenyl	74	43 - 116	TCLP 1311/8270

Report#: 9403016
DO = Diluted Out

0000202

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SURROGATE DETAIL RESULTS

Sample#: 9408260053 Client ID: SBA-14
Matrix : SOLID

Surrogate Name	Percent Recovery	Acceptable Range	Method
2,4,6-Tribromophenol	66	10 - 123	TCLP 1311/8270
Terphenyl-d14	88	33 - 141	TCLP 1311/8270
Toluene-d8	107	81 - 117	ZHB 1311/8240
1,2-Dichloroethane-d4	103	70 - 121	ZHE 1311/8240
4-Bromofluorobenzene	93	74 - 121	ZHE 1311/8240

Report#: 9403016

0000203

Inchcape Testing Services

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-1994 12:08
End Cal Date : 31-AUG-1994 11:01
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/hp72a.i/083194#2.b/ccal02.m
Cal Date : 01-Sep-1994 10:57 jmk

Calibration File Names:
Level 1: /chem/hp72a.i/083194#2.b/a1332.d
Level 2: /chem/hp72a.i/083194#2.b/a1331.d
Level 3: /chem/hp72a.i/083194#2.b/a1333.d
Level 4: /chem/hp72a.i/083194#2.b/a1334.d
Level 5: /chem/hp72a.i/083194#2.b/a1335.d

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	$\overline{RRF}$	% RSD/R^2
1 n-Nitrosodimethylamine	0.78064	0.90546	0.95591	0.93082	0.86559	0.88769	7.718
2 Pyridine	2.16318	2.48146	2.47691	2.43688	2.24496	2.36068	6.222
5 Aniline	2.43759	2.43410	2.51875	2.39804	2.21466	2.40063	4.705
6 Phenol	2.14003	2.22935	2.04650	2.04702	1.66652	2.02589	10.599
7 bis(-2-Chloroethyl)Ether	1.72267	1.82661	1.61368	1.53812	1.44508	1.62923	9.214
8 2-Chlorophenol	1.57557	1.65562	1.60217	1.57322	1.40905	1.56313	5.905
9 1,3-Dichlorobenzene	1.67345	1.80020	1.57777	1.58668	1.30367	1.58836	11.492
11 1,4-Dichlorobenzene	1.63325	1.77617	1.49992	1.54058	1.22859	1.53570	13.143
12 Benzyl alcohol	0.94308	1.00935	1.11504	1.05382	0.97765	1.01977	6.580
13 1,2-Dichlorobenzene	1.60247	1.70520	1.48458	1.48321	1.19028	1.49315	12.918
14 2-Methylphenol	1.39707	1.47056	1.53119	1.45312	1.27584	1.42556	6.762
15 Bis(2-chloroisopropyl)ether	2.00625	2.03234	2.14888	2.09548	1.87299	2.03119	5.142
16 3- & 4-Methylphenol	1.37194	1.39238	1.27564	1.20030	1.05416	1.25888	10.966
17 N-Nitroso-di-n-propylamine	1.28193	1.32347	1.39998	1.28681	1.23278	1.30499	4.761
18 Hexachloroethane	0.64144	0.67361	0.54256	0.53521	0.44369	0.56730	16.185
20 Nitrobenzene	0.47232	0.52016	0.47401	0.46568	0.43893	0.47422	6.177
21 Isophorone	0.92301	1.02419	1.03803	0.97139	0.93684	0.97869	5.234
22 2-Nitrophenol	0.27551	0.30866	0.30070	0.30253	0.29054	0.29559	4.391
23 2,4-Dimethyphenol	0.32572	0.37035	0.35162	0.33882	0.30251	0.33780	7.610
24 bis(-2-Chloroethoxy)methane	0.57236	0.64028	0.60293	0.56786	0.53836	0.58436	6.630
25 Benzoic Acid	0.58460	0.69957	0.91432	0.78787	0.96809	0.79089	19.744
26 2,4-Dichlorophenol	0.29806	0.33732	0.32080	0.30273	0.26800	0.30538	8.533
27 1,2,4-Trichlorobenzene	0.33781	0.37628	0.33715	0.33247	0.28122	0.33299	10.178
29 Naphthalene	1.14388	1.27105	1.08106	1.08281	0.90087	1.09593	12.192
30 4-Chloroaniline	0.49569	0.54753	0.50125	0.50499	0.42497	0.49489	8.925
31 Hexachlorobutadiene	0.18054	0.20226	0.18711	0.18238	0.16092	0.18264	8.127
32 4-Chloro-3-Methylphenol	0.34018	0.39209	0.38442	0.36941	0.33905	0.36503	6.738

Inchcape Testing Services

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-1994 12:08
End Cal Date : 31-AUG-1994 11:01
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/hp72a.i/083194#2.b/ccal02.m
Cal Date : 01-Sep-1994 10:57 jmk

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2
33 2-Methylnaphthalene	0.67157	0.76438	0.69131	0.66865	0.58673	0.67653	9.374
34 Hexachlorocyclopentadiene	0.31455	0.33323	0.38852	0.37700	0.37674	0.35801	8.992
35 2,4,6-Trichlorophenol	0.37829	0.39282	0.41275	0.40193	0.41141	0.39944	3.579
36 2,4,5-Trichlorphenol	0.43804	0.47308	0.49306	0.48340	0.43765	0.46505	5.551
38 2-Chloronaphthalene	1.37848	1.38685	1.33682	1.29792	1.23225	1.32646	4.790
39 2-Nitroaniline	0.55978	0.59154	0.64509	0.62388	0.63961	0.61198	5.860
40 Dimethylphthalate	1.59604	1.64025	1.68912	1.60320	1.62967	1.63166	2.264
41 Acenaphthylene	2.21936	2.23238	2.15017	2.11405	1.98131	2.13946	4.720
42 2,6-Dinitrotoluene	0.37035	0.38742	0.39314	0.38367	0.37142	0.38120	2.626
43 3-Nitroaniline	0.41801	0.45942	0.47894	0.48047	0.46993	0.46136	5.558
45 Acenaphthene	0.65690	0.66282	0.61952	0.60764	0.57245	0.62387	5.962
46 2,4-Dinitrophenol	0.0238	0.11530	0.22399	0.21591	0.27994	0.20880	32.819
47 4-Nitrophenol	0.13112	0.16724	0.19734	0.19391	0.22917	0.18376	19.984
48 Dibenzofuran	1.92770	1.97841	1.87827	1.84140	1.71689	1.86854	5.311
49 2,4-Dinitrotoluene	0.47697	0.51546	0.53516	0.52559	0.52415	0.51547	4.390
50 Fluorene	1.45263	1.49802	1.40904	1.37712	1.31365	1.41009	5.006
51 Diethylphthalate	1.63132	1.68720	1.62338	1.55390	1.59493	1.61815	3.033
52 4-Chlorophenyl-phenylether	0.71034	0.73154	0.70650	0.68805	0.64726	0.69674	4.547
53 4-Nitroaniline	0.43253	0.49259	0.50391	0.47519	0.37324	0.45549	11.721
54 4,6-Dinitro-o-cresol	0.12561	0.15872	0.21069	0.20693	0.21707	0.18380	21.728
55 N-nitrosodiphenylamine (1)	0.66342	0.69969	0.66750	0.65481	0.60795	0.65867	5.018
56 Azobenzene	3.36131	3.59404	3.48483	3.28107	3.27241	3.39873	4.076
58 4-Bromophenyl-phenylether	0.23259	0.25050	0.24008	0.23845	0.21860	0.23604	4.955
59 Hexachlorobenzene	0.26766	0.28144	0.26731	0.27524	0.24211	0.26675	5.611
60 Pentachlorophenol	0.04223	0.10303	0.14975	0.15810	0.16273	0.14340	19.136
62 Phenanthrene	1.27692	1.38338	1.25424	1.28116	1.14115	1.26737	6.815
63 Anthracene	1.28031	1.37570	1.22671	1.27899	1.12259	1.25686	7.346
64 Di-n-butylphthalate	1.79751	1.98002	1.70655	1.75264	1.56793	1.76093	8.500
65 Fluoranthene	1.21517	1.40331	1.20513	1.27791	1.10483	1.24127	8.844
66 Benzidine	0.98189	0.66034	0.76489	0.74890	0.63832	0.75887	17.937
67 Pyrene	1.77983	1.92773	2.04251	1.83166	1.90640	1.89762	5.283
69 Butylbenzylphthalate	0.99548	1.09885	1.15363	1.05965	1.03607	1.06874	5.659
70 Benzo(a)anthracene	1.36137	1.53021	1.59014	1.53221	1.48330	1.49945	5.734
72 3,3'-Dichlorobenzidine	0.49324	0.56495	0.56115	0.57842	0.49070	0.53769	7.856

0000205

Inchcape Testing Services

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-1994 12:08
End Cal Date : 31-AUG-1994 11:01
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/hp72a.i/083194#2.b/ccal02.m
Cal Date : 01-Sep-1994 10:57 jmk

	Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2
73	Chrysene	1.23671	1.38926	1.36062	1.30874	1.16978	1.29302	6.964
74	bis(2-Ethylhexyl)phthalate	1.39520	1.53737	1.54078	1.43921	1.33334	1.44918	6.230
75	Di-n-octylphthalate	2.33024	3.24627	2.99763	2.63579	1.87830	2.61765	20.653
76	Benzo(b)fluoranthene	1.14725	1.66260	1.64583	1.60135	1.25675	1.46275	16.558
77	Benzo(k)fluoranthene	1.18061	1.63730	1.50818	1.45608	1.04313	1.36506	17.965
78	Benzo(a)pyrene	1.05730	1.51330	1.40733	1.40755	0.96162	1.26942	19.188
80	Indeno(1,2,3-cd)pyrene	0.94491	1.41371	1.34083	1.34724	0.98335	1.20601	18.495
81	Dibenzo(a,h)anthracene	0.91896	1.36016	1.28467	1.27403	0.84430	1.13642	20.805
82	Benzo(g,h,i)perylene	0.98610	1.45498	1.33139	1.34671	0.91495	1.20683	19.895
$ 3	2-Fluorophenol	1.70028	1.85999	1.85070	1.79266	1.61228	1.76318	5.991
$ 4	Phenol-d6	1.71881	1.82331	1.59093	1.60368	1.39181	1.62571	9.924
$ 19	Nitrobenzene-d5	0.45882	0.51012	0.51775	0.50000	0.44487	0.48631	6.676
$ 37	2-Fluorobiphenyl	1.62843	1.63178	1.52441	1.48388	1.34152	1.52200	7.871
$ 57	2,4,6-Tribromophenol	0.19575	0.21994	0.23025	0.21905	0.23045	0.21909	6.451
[illegible]8	Terphenyl-d14	1.15515	1.22708	1.28646	1.16267	1.18535	1.20334	4.508

0000206

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/083194#2.b/a1332.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 04:27 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD020
Misc Info : SSTD020
Comment :
Method : /chem/hp72a.i/083194#2.b/ccal02.m
Meth Date : 01-Sep-1994 10:26 jmk
Cal Date : 01-SEP-94 03:50 Cal File: a1331.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.582	(0.361)	85928	17.588	17.588
	2 Pyridine	79.00	2.625	(0.367)	238109	18.327	18.327(M)
$	3 2-Fluorophenol	112.00	5.525	(0.772)	187156	19.287	19.287
$	4 Phenol-d6	99.00	6.846	(0.957)	189195	21.145	21.145
	5 Aniline	93.00	6.754	(0.944)	268314	20.308	20.308
	6 Phenol	94.00	6.861	(0.959)	235561	21.127	21.127
	7 bis(-2-Chloroethyl)Ether	93.00	6.846	(0.957)	189620	21.147	21.147
	8 2-Chlorophenol	128.00	6.932	(0.969)	173429	20.159	20.159
	9 1,3-Dichlorobenzene	146.00	7.075	(0.989)	184203	21.072	21.072
	10 1,4-Dichlorobenzene-d4	152.00	7.154	(1.000)	220147	40.000	
	11 1,4-Dichlorobenzene	146.00	7.175	(1.003)	179777	21.270	21.270
	12 Benzyl alcohol	108.00	7.382	(1.032)	103799	18.494	18.494
	13 1,2-Dichlorobenzene	146.00	7.361	(1.029)	176390	21.464	21.464
	14 2-Methylphenol	108.00	7.575	(1.059)	153780	19.600	19.600
	15 Bis(2-chloroisopropyl)ether	45.00	7.525	(1.052)	220835	19.754	19.754
	16 3- & 4-Methylphenol	108.00	7.782	(1.088)	302028	45.009	45.009
	17 N-Nitroso-di-n-propylamine	70.00	7.689	(1.075)	141106	19.646	19.646
	18 Hexachloroethane	117.00	7.782	(1.088)	70606	22.614	22.614
$	19 Nitrobenzene-d5	82.00	7.868	(0.889)	182348	18.869	18.869
	20 Nitrobenzene	77.00	7.889	(0.891)	187713	19.920	19.920
	21 Isophorone	82.00	8.218	(0.928)	366830	18.862	18.862
	22 2-Nitrophenol	139.00	8.318	(0.939)	109495	18.641	18.641
	23 2,4-Dimethyphenol	122.00	8.454	(0.955)	129450	19.285	19.285
	24 bis(-2-Chloroethoxy)methane	93.00	8.532	(0.964)	227472	19.589	19.589
	25 Benzoic Acid	122.00	8.675	(1.213)	64349	15.779	15.779
	26 2,4-Dichlorophenol	162.00	8.711	(0.984)	118457	19.520	19.520
	27 1,2,4-Trichlorobenzene	180.00	8.775	(0.991)	134254	20.290	20.290
*	28 Naphthalene-d8	136.00	8.854	(1.000)	794858	40.000	
	29 Naphthalene	128.00	8.882	(1.003)	454613	20.875	20.875

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.003	(1.017)	197003	20.033	20.033
	31 Hexachlorobutadiene	225.00	9.082	(1.026)	71751	19.770	19.770
	32 4-Chloro-3-Methylphenol	107.00	9.853	(1.113)	135199	18.639	18.639
	33 2-Methylnaphthalene	142.00	9.996	(1.129)	266901	19.853	19.853
	34 Hexachlorocyclopentadiene	237.00	10.275	(0.860)	58262	17.572	17.572
	35 2,4,6-Trichlorophenol	196.00	10.539	(0.882)	70070	18.941	18.941
	36 2,4,5-Trichlorphenol	196.00	10.639	(0.890)	81137	18.839	18.839
$	37 2-Fluorobiphenyl	172.00	10.675	(0.893)	301627	21.398	21.398
	38 2-Chloronaphthalene	162.00	10.868	(0.909)	255330	20.784	20.784
	39 2-Nitroaniline	138.00	11.111	(0.929)	103686	18.294	18.294
	40 Dimethylphthalate	163.00	11.489	(0.961)	295628	19.563	19.563
	41 Acenaphthylene	152.00	11.661	(0.976)	411084	20.747	20.747
	42 2,6-Dinitrotoluene	165.00	11.596	(0.970)	68598	19.431	19.431
	43 3-Nitroaniline	138.00	11.939	(0.999)	77427	18.121	18.121
*	44 Acenaphthene-d10	164.00	11.953	(1.000)	370452	40.000	
	45 Acenaphthene	152.00	12.018	(1.005)	121675	21.059	21.059
	46 2,4-Dinitrophenol	184.00	12.153	(1.017)	12254	7.340	7.340(aM)
	47 4-Nitrophenol	109.00	12.496	(1.045)	24286	14.271	14.271(QM)
	48 Dibenzofuran	168.00	12.382	(1.036)	357060	20.633	20.633
	49 2,4-Dinitrotoluene	165.00	12.411	(1.038)	88347	18.506	18.506
	50 Fluorene	166.00	13.103	(1.096)	269064	20.603	20.603
	51 Diethylphthalate	149.00	12.982	(1.086)	302163	20.163	20.163
	52 4-Chlorophenyl-phenylether	204.00	13.161	(1.101)	131573	20.390	20.390
	53 4-Nitroaniline	138.00	13.232	(1.107)	80115	18.992	18.992
	54 4,6-Dinitro-o-cresol	198.00	13.282	(0.875)	34852	13.667	13.667
	55 N-nitrosodiphenylamine (1)	169.00	13.439	(0.885)	184080	20.144	20.144
	56 Azobenzene	77.00	13.503	(1.888)	369991	19.780	19.780
$	57 2,4,6-Tribromophenol	330.00	13.646	(1.142)	36258	17.869	17.869
	58 4-Bromophenyl-phenylether	248.00	14.232	(0.937)	64536	19.707	19.707
	59 Hexachlorobenzene	284.00	14.303	(0.942)	74267	20.068	20.068
	60 Pentachlorophenol	266.00	14.825	(0.976)	11718	6.857	6.857(aM)
*	61 Phenanthrene-d10	188.00	15.182	(1.000)	554945	40.000	
	62 Phenanthrene	178.00	15.232	(1.003)	354309	20.151	20.151
	63 Anthracene	178.00	15.346	(1.011)	355251	20.373	20.373
	64 Di-n-butylphthalate	149.00	16.760	(1.104)	498759	20.415	20.415
	65 Fluoranthene	202.00	17.989	(1.185)	337175	19.579	19.579
	66 Benzidine	184.00	18.439	(2.578)	108080	25.878	25.878
	67 Pyrene	202.00	18.503	(0.865)	345201	18.758	18.758
$	68 Terphenyl-d14	244.00	19.010	(0.888)	224043	19.199	19.199
	69 Butylbenzylphthalate	149.00	20.296	(0.949)	193076	18.629	18.629
	70 Benzo(a)anthracene	228.00	21.367	(0.999)	264041	18.158	18.158
*	71 Chrysene-d12	240.00	21.396	(1.000)	387904	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.425	(1.001)	95665	18.347	18.347
	73 Chrysene	228.00	21.453	(1.003)	239862	19.129	19.129
	74 bis(2-Ethylhexyl)phthalate	149.00	21.753	(1.017)	270601	19.255	19.255
	75 Di-n-octylphthalate	149.00	23.225	(0.947)	457474	17.804	17.804
	76 Benzo(b)fluoranthene	252.00	23.753	(0.969)	225225	15.686	15.686
	77 Benzo(k)fluoranthene	252.00	23.810	(0.971)	231778	17.298	17.298
	78 Benzo(a)pyrene	252.00	24.396	(0.995)	207569	16.658	16.658

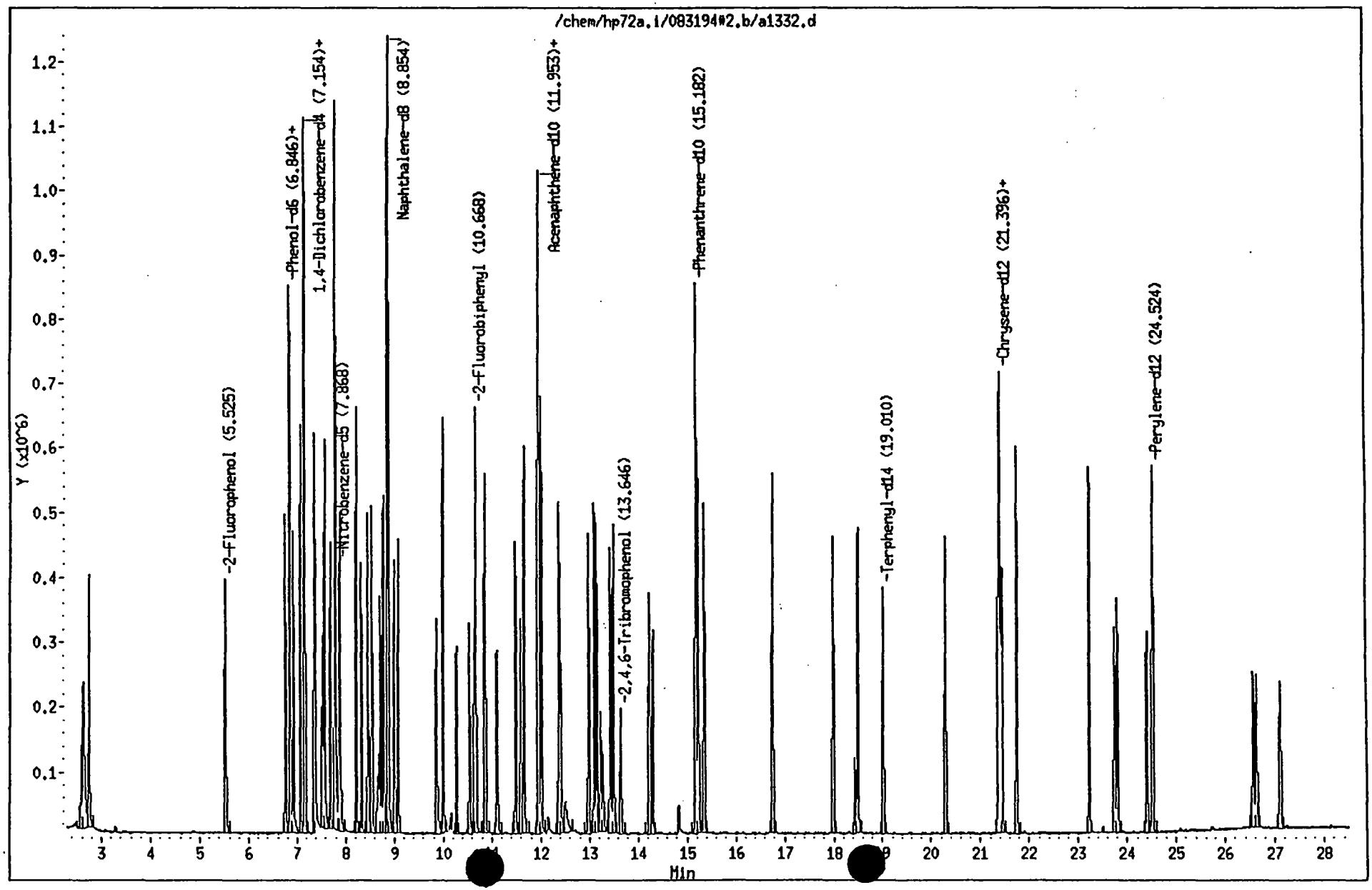
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.524	(1.000)	392641	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.567	(1.083)	185506	15.670	15.670
81 Dibenzo(a,h)anthracene	278.00	26.632	(1.086)	180410	16.173	16.173
82 Benzo(g,h,i)perylene	276.00	27.103	(1.105)	193592	16.342	16.342

QC Flag Legend

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

Data File: /chem/hp72a.i/083194#2.b/a1332.d
Date : 01-SEP-94 04:27
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000210



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/083194#2.b/a1331.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 03:50 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/083194#2.b/ccal02.m
Meth Date : 01-Sep-1994 10:00
Cal Date : 01-SEP-94 03:50 Cal File: a1331.d
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.553	(0.357)	116174	51.001	51.001
	2 Pyridine	79.00	2.581	(0.361)	318381	52.558	52.558(M)
$	3 2-Fluorophenol	112.00	5.517	(0.771)	238644	52.745	52.745
$	4 Phenol-d6	99.00	6.846	(0.957)	233937	56.077	56.077
	5 Aniline	93.00	6.760	(0.945)	312304	50.697	50.697
	6 Phenol	94.00	6.867	(0.960)	286034	55.022	55.022
	7 bis(-2-Chloroethyl)Ether	93.00	6.846	(0.957)	234361	56.057	56.057
	8 2-Chlorophenol	128.00	6.931	(0.969)	212422	52.958	52.958
	9 1,3-Dichlorobenzene	146.00	7.074	(0.989)	230972	56.669	56.669
	10 1,4-Dichlorobenzene-d4	152.00	7.153	(1.000)	102643	40.000	
	11 1,4-Dichlorobenzene	146.00	7.174	(1.003)	227889	57.829	57.829
	12 Benzyl alcohol	108.00	7.388	(1.033)	129504	49.489	49.489
	13 1,2-Dichlorobenzene	146.00	7.360	(1.029)	218783	57.101	57.101
	14 2-Methylphenol	108.00	7.581	(1.060)	188678	51.578	51.578
	15 Bis(2-chloroisopropyl)ether	45.00	7.531	(1.053)	260757	50.028	50.028
	16 3- & 4-Methylphenol	108.00	7.788	(1.089)	357294	114.200	114.200
	17 N-Nitroso-di-n-propylamine	70.00	7.696	(1.076)	169806	50.708	50.708
	18 Hexachloroethane	117.00	7.788	(1.089)	86427	59.370	59.370
$	19 Nitrobenzene-d5	82.00	7.867	(0.889)	222310	52.448	52.448
	20 Nitrobenzene	77.00	7.896	(0.892)	226685	54.843	54.843
	21 Isophorone	82.00	8.224	(0.929)	446340	52.324	52.324
	22 2-Nitrophenol	139.00	8.324	(0.940)	134514	52.211	52.211
	23 2,4-Dimethyphenol	122.00	8.453	(0.955)	161399	54.818	54.818
	24 bis(-2-Chloroethoxy)methane	93.00	8.538	(0.964)	279032	54.785	54.785
	25 Benzoic Acid	122.00	8.696	(1.216)	89757	47.205	47.205
	26 2,4-Dichlorophenol	162.00	8.710	(0.984)	147004	55.229	55.229
	27 1,2,4-Trichlorobenzene	180.00	8.774	(0.991)	163982	56.501	56.501
*	28 Naphthalene-d8	136.00	8.853	(1.000)	348640	40.000	
	29 Naphthalene	128.00	8.888	(1.004)	553923	57.989	57.989

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.003	(1.017)	238615	55.319	55.319
	31 Hexachlorobutadiene	225.00	9.081	(1.026)	88147	55.372	55.372
	32 4-Chloro-3-Methylphenol	107.00	9.860	(1.114)	170872	53.706	53.706
	33 2-Methylnaphthalene	142.00	10.003	(1.130)	333117	56.493	56.493
	34 Hexachlorocyclopentadiene	237.00	10.274	(0.860)	74461	46.540	46.540
	35 2,4,6-Trichlorophenol	196.00	10.546	(0.882)	87777	49.172	49.172
	36 2,4,5-Trichlorphenol	196.00	10.638	(0.890)	105711	50.864	50.864
$	37 2-Fluorobiphenyl	172.00	10.674	(0.893)	364625	53.606	53.606
	38 2-Chloronaphthalene	162.00	10.867	(0.909)	309894	52.276	52.276
	39 2-Nitroaniline	138.00	11.110	(0.929)	132182	48.330	48.330
	40 Dimethylphthalate	163.00	11.495	(0.962)	366519	50.263	50.263
	41 Acenaphthylene	152.00	11.667	(0.976)	498832	52.172	52.172
	42 2,6-Dinitrotoluene	165.00	11.595	(0.970)	86569	50.815	50.815
	43 3-Nitroaniline	138.00	11.945	(0.999)	102659	49.790	49.790
*	44 Acenaphthene-d10	164.00	11.953	(1.000)	178762	40.000	
	45 Acenaphthene	152.00	12.017	(1.005)	148109	53.122	53.122
	46 2,4-Dinitrophenol	184.00	12.153	(1.017)	25763	27.611	27.611(M)
	47 4-Nitrophenol	109.00	12.503	(1.046)	37371	45.507	45.507(M)
	48 Dibenzofuran	168.00	12.381	(1.036)	442081	52.940	52.940
	49 2,4-Dinitrotoluene	165.00	12.417	(1.039)	115180	49.999	49.999
	50 Fluorene	166.00	13.110	(1.097)	334737	53.118	53.118
	51 Diethylphthalate	149.00	12.988	(1.087)	377010	52.134	52.134
	52 4-Chlorophenyl-phenylether	204.00	13.160	(1.101)	163465	52.498	52.498
	53 4-Nitroaniline	138.00	13.245	(1.108)	110071	54.073	54.073
	54 4,6-Dinitro-o-cresol	198.00	13.288	(0.875)	52714	43.178	43.178
	55 N-nitrosodiphenylamine (1)	169.00	13.445	(0.886)	232374	53.113	53.113
	56 Azobenzene	77.00	13.503	(1.888)	461129	52.873	52.873
$	57 2,4,6-Tribromophenol	330.00	13.653	(1.142)	49147	50.195	50.195
	58 4-Bromophenyl-phenylether	248.00	14.238	(0.938)	83193	53.062	53.062
	59 Hexachlorobenzene	284.00	14.310	(0.943)	93471	52.754	52.754
	60 Pentachlorophenol	266.00	14.824	(0.976)	34219	35.925	35.925
*	61 Phenanthrene-d10	188.00	15.181	(1.000)	265689	40.000	
	62 Phenanthrene	178.00	15.238	(1.004)	459436	54.577	54.577
	63 Anthracene	178.00	15.352	(1.011)	456884	54.728	54.728
	64 Di-n-butylphthalate	149.00	16.767	(1.104)	657587	56.221	56.221
	65 Fluoranthene	202.00	17.995	(1.185)	466055	56.527	56.527
	66 Benzidine	184.00	18.438	(2.578)	84724	43.508	43.508
	67 Pyrene	202.00	18.510	(0.865)	478745	50.793	50.793
$	68 Terphenyl-d14	244.00	19.017	(0.889)	304741	50.986	50.986
	69 Butylbenzylphthalate	149.00	20.295	(0.949)	272896	51.409	51.409
	70 Benzo(a)anthracene	228.00	21.374	(0.999)	380021	51.026	51.026
*	71 Chrysene-d12	240.00	21.395	(1.000)	198677	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.431	(1.002)	140303	52.535	52.535
	73 Chrysene	228.00	21.452	(1.003)	345017	53.721	53.721
	74 bis(2-Ethylhexyl)phthalate	149.00	21.752	(1.017)	381799	53.043	53.043
	75 Di-n-octylphthalate	149.00	23.231	(0.948)	664406	62.007	62.007
	76 Benzo(b)fluoranthene	252.00	23.759	(0.969)	340281	56.831	56.831
	77 Benzo(k)fluoranthene	252.00	23.824	(0.972)	335103	59.972	59.972
	78 Benzo(a)pyrene	252.00	24.409	(0.996)	309724	59.606	59.606

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.517	(1.000)	163734	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.574	(1.084)	289341	58.611	58.611
81 Dibenzo(a,h)anthracene	278.00	26.645	(1.087)	278380	59.844	59.844
82 Benzo(g,h,i)perylene	276.00	27.124	(1.106)	297788	60.281	60.281

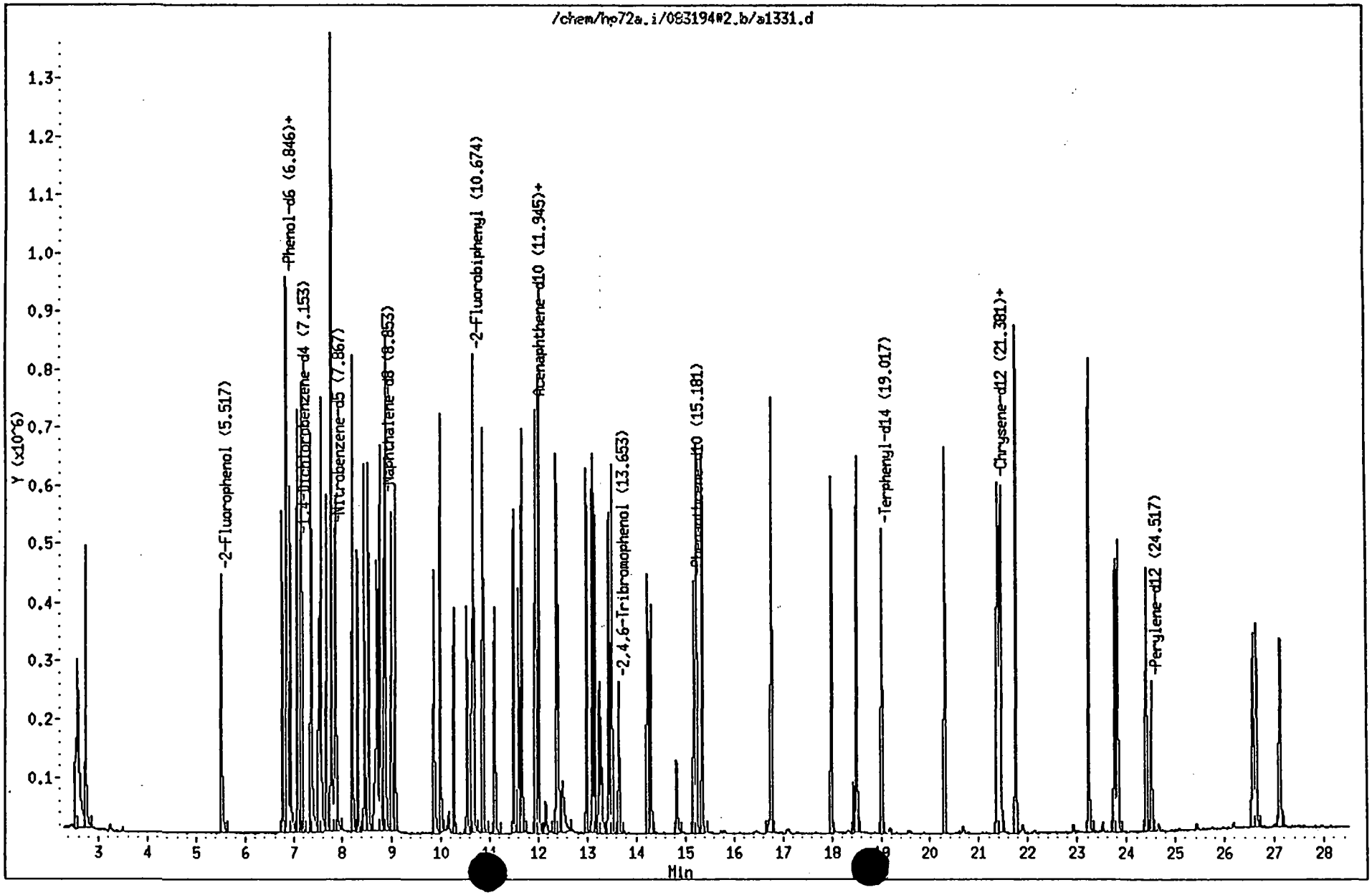
QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/hp72a.i/083194#2.b/a1331.d
Date : 01-SEP-94 03:50
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000214



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/083194#2.b/a1333.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 05:04 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD080
Misc Info : SSTD080
Comment :
Method : /chem/hp72a.i/083194#2.b/ccal02.m
Meth Date : 01-Sep-1994 10:26 jmk
Cal Date : 01-SEP-94 03:50 Cal File: a1331.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.633	(0.368)	419871	86.148	86.148
	2 Pyridine	79.00	2.633	(0.000)	1087952	83.939	83.939(QM)
$	3 2-Fluorophenol	112.00	5.533	(0.773)	812897	83.971	83.971
$	4 Phenol-d6	99.00	6.868	(0.959)	698796	78.289	78.289
	5 Aniline	93.00	6.776	(0.946)	1106332	83.936	83.936
	6 Phenol	94.00	6.883	(0.961)	898899	80.814	80.814
	7 bis(-2-Chloroethyl)Ether	93.00	6.861	(0.958)	708789	79.236	79.236
	8 2-Chlorophenol	128.00	6.940	(0.969)	703734	81.998	81.998
	9 1,3-Dichlorobenzene	146.00	7.083	(0.989)	693017	79.467	79.467
	10 1,4-Dichlorobenzene-d4	152.00	7.161	(1.000)	219619	40.000	
	11 1,4-Dichlorobenzene	146.00	7.183	(1.003)	658821	78.136	78.136
	12 Benzyl alcohol	108.00	7.411	(1.035)	489768	87.474	87.474
	13 1,2-Dichlorobenzene	146.00	7.368	(1.029)	652082	79.541	79.541
	14 2-Methylphenol	108.00	7.597	(1.061)	672557	85.928	85.928
	15 Bis(2-chloroisopropyl)ether	45.00	7.533	(1.052)	943870	84.635	84.635
	16 3- & 4-Methylphenol	108.00	7.811	(1.091)	1120618	167.400	167.400
	17 N-Nitroso-di-n-propylamine	70.00	7.740	(1.074)	614925	85.823	85.823(QMH)
	18 Hexachloroethane	117.00	7.790	(1.088)	238313	76.511	76.511
$	19 Nitrobenzene-d5	82.00	7.883	(0.890)	804608	85.172	85.172
	20 Nitrobenzene	77.00	7.911	(0.893)	736637	79.965	79.965
	21 Isophorone	82.00	8.254	(0.931)	1613154	84.851	84.851
	22 2-Nitrophenol	139.00	8.333	(0.940)	467298	81.383	81.383
	23 2,4-Dimethyphenol	122.00	8.468	(0.956)	546430	83.272	83.272
	24 bis(-2-Chloroethoxy)methane	93.00	8.554	(0.965)	936981	82.543	82.543
	25 Benzoic Acid	122.00	8.761	(1.223)	401605	89.262	89.262(QMH)
	26 2,4-Dichlorophenol	162.00	8.726	(0.985)	498543	84.040	84.040
	27 1,2,4-Trichlorobenzene	180.00	8.783	(0.991)	523951	81.001	81.001
*	28 Naphthalene-d8	136.00	8.861	(1.000)	777023	40.000	
	29 Naphthalene	128.00	8.897	(1.004)	1680010	78.914	78.914

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.018	(1.018)	778973	81.029	81.029
	31 Hexachlorobutadiene	225.00	9.090	(1.026)	290785	81.959	81.959
	32 4-Chloro-3-Methylphenol	107.00	9.868	(1.114)	597401	84.249	84.249
	33 2-Methylnaphthalene	142.00	10.011	(1.130)	1074331	81.748	81.748
	34 Hexachlorocyclopentadiene	237.00	10.283	(0.860)	307488	86.819	86.819
	35 2,4,6-Trichlorophenol	196.00	10.554	(0.882)	326661	82.665	82.665
	36 2,4,5-Trichlorphenol	196.00	10.647	(0.890)	390219	84.818	84.818
$	37 2-Fluorobiphenyl	172.00	10.690	(0.894)	1206465	80.127	80.127
	38 2-Chloronaphthalene	162.00	10.883	(0.910)	1058003	80.625	80.625
	39 2-Nitroaniline	138.00	11.133	(0.931)	510541	84.328	84.328
	40 Dimethylphthalate	163.00	11.518	(0.963)	1336824	82.818	82.818
	41 Acenaphthylene	152.00	11.683	(0.977)	1701708	80.401	80.401
	42 2,6-Dinitrotoluene	165.00	11.625	(0.972)	311146	82.507	82.507
	43 3-Nitroaniline	138.00	11.975	(1.001)	379049	83.049	83.049
*	44 Acenaphthene-d10	164.00	11.961	(1.000)	395715	40.000	
	45 Acenaphthene	152.00	12.040	(1.007)	490308	79.443	79.443
	46 2,4-Dinitrophenol	184.00	12.175	(1.018)	177275	99.410	99.410
	47 4-Nitrophenol	109.00	12.511	(1.046)	156180	85.914	85.914(Q)
	48 Dibenzofuran	168.00	12.397	(1.036)	1486520	80.417	80.417
	49 2,4-Dinitrotoluene	165.00	12.447	(1.041)	423545	83.057	83.057
	50 Fluorene	166.00	13.125	(1.097)	1115155	79.940	79.940
	51 Diethylphthalate	149.00	13.018	(1.088)	1284795	80.259	80.259
	52 4-Chlorophenyl-phenylether	204.00	13.175	(1.102)	559148	81.121	81.121
	53 4-Nitroaniline	138.00	13.304	(1.112)	398812	88.505	88.505
	54 4,6-Dinitro-o-cresol	198.00	13.333	(0.877)	251294	91.703	91.703
	55 N-nitrosodiphenylamine (1)	169.00	13.468	(0.886)	796138	81.072	81.072
	56 Azobenzene	77.00	13.525	(1.889)	1530670	82.027	82.027
$	57 2,4,6-Tribromophenol	330.00	13.668	(1.143)	182223	84.074	84.074
	58 4-Bromophenyl-phenylether	248.00	14.254	(0.938)	286349	81.369	81.369
	59 Hexachlorobenzene	284.00	14.325	(0.943)	318829	80.168	80.168
	60 Pentachlorophenol	266.00	14.833	(0.976)	178611	97.266	97.266
*	61 Phenanthrene-d10	188.00	15.197	(1.000)	596358	40.000	
	62 Phenanthrene	178.00	15.254	(1.004)	1495949	79.171	79.171
	63 Anthracene	178.00	15.375	(1.012)	1463120	78.081	78.081
	64 Di-n-butylphthalate	149.00	16.775	(1.104)	2035428	77.529	77.529
	65 Fluoranthene	202.00	18.011	(1.185)	1437375	77.671	77.671
	66 Benzidine	184.00	18.447	(2.576)	335970	80.635	80.635
	67 Pyrene	202.00	18.525	(0.865)	1406988	86.108	86.108
$	68 Terphenyl-d14	244.00	19.032	(0.889)	886186	85.526	85.526
	69 Butylbenzylphthalate	149.00	20.311	(0.949)	794681	86.354	86.354
	70 Benzo(a)anthracene	228.00	21.389	(0.999)	1095372	84.839	84.839
*	71 Chrysene-d12	240.00	21.411	(1.000)	344427	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.447	(1.002)	386548	83.490	83.490
	73 Chrysene	228.00	21.482	(1.003)	937271	84.183	84.183
	74 bis(2-Ethylhexyl)phthalate	149.00	21.761	(1.016)	1061374	85.057	85.057
	75 Di-n-octylphthalate	149.00	23.247	(0.948)	1764006	91.613	91.613
	76 Benzo(b)fluoranthene	252.00	23.782	(0.970)	968516	90.013	90.013
	77 Benzo(k)fluoranthene	252.00	23.847	(0.972)	887512	88.388	88.388
	78 Benzo(a)pyrene	252.00	24.432	(0.996)	828166	88.691	88.691

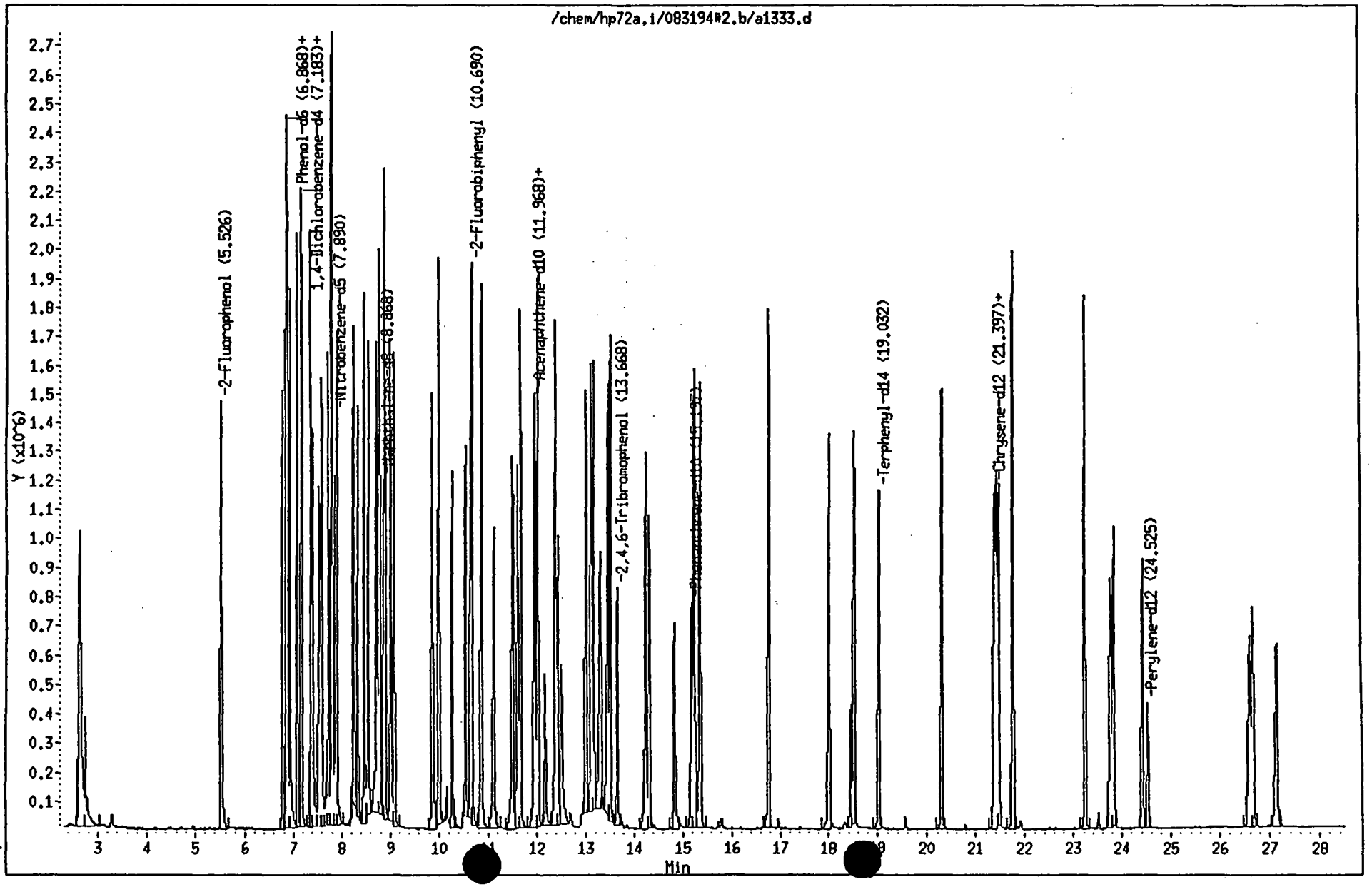
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.525	(1.000)	294233	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.604	(1.085)	789032	88.943	88.943
81 Dibenzo(a,h)anthracene	278.00	26.668	(1.087)	755986	90.436	90.436
82 Benzo(g,h,i)perylene	276.00	27.154	(1.107)	783475	88.257	88.257

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /chem/hp72a.i/083194#2.b/a1333.d
Date : 01-SEP-94 05:04
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

00002218



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/083194#2.b/a1334.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 05:41 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD120
Misc Info : SSTD120
Comment :
Method : /chem/hp72a.i/083194#2.b/ccal02.m
Meth Date : 01-Sep-1994 10:00
Cal Date : 01-SEP-94 03:50 Cal File: a1331.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.596	(0.363)	352728	125.832	125.832
	2 Pyridine	79.00	2.610	(0.000)	923435	126.759	126.759(QM)
$	3 2-Fluorophenol	112.00	5.525	(0.772)	679313	122.006	122.006
$	4 Phenol-d6	99.00	6.860	(0.958)	607701	118.374	118.374
	5 Aniline	93.00	6.768	(0.945)	908719	119.871	119.871
	6 Phenol	94.00	6.875	(0.960)	775703	121.113	121.113
	7 bis(-2-Chloroethyl)Ether	93.00	6.853	(0.957)	582860	113.290	113.290
	8 2-Chlorophenol	128.00	6.939	(0.969)	596160	120.775	120.775
	9 1,3-Dichlorobenzene	146.00	7.082	(0.989)	601260	119.874	119.874
	10 1,4-Dichlorobenzene-d4	152.00	7.160	(1.000)	126314	40.000	
	11 1,4-Dichlorobenzene	146.00	7.182	(1.003)	583789	120.381	120.381
	12 Benzyl alcohol	108.00	7.403	(1.034)	399337	124.007	124.007
	13 1,2-Dichlorobenzene	146.00	7.367	(1.029)	562052	119.202	119.202
	14 2-Methylphenol	108.00	7.596	(1.061)	550648	122.320	122.320
	15 Bis(2-chloroisopropyl)ether	45.00	7.532	(1.052)	794065	123.798	123.798
	16 3- & 4-Methylphenol	108.00	7.803	(1.090)	909690	236.271	236.271(A)
	17 N-Nitroso-di-n-propylamine	70.00	7.732	(1.073)	487625	118.328	118.328(QMH)
	18 Hexachloroethane	117.00	7.789	(1.088)	202813	113.211	113.211
$	19 Nitrobenzene-d5	82.00	7.882	(0.890)	663844	123.378	123.378
	20 Nitrobenzene	77.00	7.910	(0.893)	618284	117.840	117.840
	21 Isophorone	82.00	8.239	(0.930)	1289702	119.105	119.105
	22 2-Nitrophenol	139.00	8.332	(0.940)	401667	122.818	122.818
	23 2,4-Dimethyphenol	122.00	8.467	(0.956)	449851	120.362	120.362
	24 bis(-2-Chloroethoxy)methane	93.00	8.546	(0.965)	753940	116.612	116.612
	25 Benzoic Acid	122.00	8.760	(1.223)	298558	162.431	162.431
	26 2,4-Dichlorophenol	162.00	8.717	(0.984)	401926	118.957	118.957
	27 1,2,4-Trichlorobenzene	180.00	8.782	(0.991)	441420	119.815	119.815
*	28 Naphthalene-d8	136.00	8.860	(1.000)	442563	40.000	
	29 Naphthalene	128.00	8.896	(1.004)	1437641	118.563	118.563

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.010	(1.017)	670464	122.449	122.449
	31 Hexachlorobutadiene	225.00	9.082	(1.025)	242138	119.824	119.824
	32 4-Chloro-3-Methylphenol	107.00	9.860	(1.113)	490467	121.441	121.441
	33 2-Methylnaphthalene	142.00	10.003	(1.129)	887759	118.603	118.603
	34 Hexachlorocyclopentadiene	237.00	10.275	(0.860)	249497	126.365	126.365
	35 2,4,6-Trichlorophenol	196.00	10.553	(0.883)	265996	120.747	120.747
	36 2,4,5-Trichlorphenol	196.00	10.639	(0.890)	319915	124.736	124.736
$	37 2-Fluorobiphenyl	172.00	10.682	(0.894)	982039	116.994	116.994
	38 2-Chloronaphthalene	162.00	10.882	(0.910)	858968	117.418	117.418
	39 2-Nitroaniline	138.00	11.132	(0.931)	412886	122.333	122.333
	40 Dimethylphthalate	163.00	11.510	(0.963)	1061005	117.907	117.907
	41 Acenaphthylene	152.00	11.675	(0.977)	1399086	118.575	118.575
	42 2,6-Dinitrotoluene	165.00	11.617	(0.972)	253915	120.778	120.778
	43 3-Nitroaniline	138.00	11.967	(1.001)	317976	124.971	124.971
*	44 Acenaphthene-d10	164.00	11.953	(1.000)	220601	40.000	
	45 Acenaphthene	152.00	12.032	(1.007)	402140	116.879	116.879
	46 2,4-Dinitrophenol	184.00	12.167	(1.018)	142888	126.087	126.087
	47 4-Nitrophenol	109.00	12.503	(1.046)	128329	127.661	127.661
	48 Dibenzofuran	168.00	12.396	(1.037)	1218645	118.257	118.257
	49 2,4-Dinitrotoluene	165.00	12.439	(1.041)	347838	122.357	122.357
	50 Fluorene	166.00	13.124	(1.098)	911379	117.194	117.194
	51 Diethylphthalate	149.00	13.010	(1.088)	1028375	115.235	115.235
	52 4-Chlorophenyl-phenylether	204.00	13.174	(1.102)	455351	118.503	118.503
	53 4-Nitroaniline	138.00	13.296	(1.112)	314479	125.188	125.188
	54 4,6-Dinitro-o-cresol	198.00	13.324	(0.877)	199755	140.600	140.600
	55 N-nitrosodiphenylamine (1)	169.00	13.467	(0.887)	632123	119.297	119.297
	56 Azobenzene	77.00	13.517	(1.888)	1243337	115.846	115.846
$	57 2,4,6-Tribromophenol	330.00	13.667	(1.143)	144969	119.980	119.980
	58 4-Bromophenyl-phenylether	248.00	14.246	(0.938)	230185	121.222	121.222
	59 Hexachlorobenzene	284.00	14.317	(0.943)	265701	123.817	123.817
	60 Pentachlorophenol	266.00	14.832	(0.976)	152619	132.297	132.297
*	61 Phenanthrene-d10	188.00	15.189	(1.000)	321783	40.000	
	62 Phenanthrene	178.00	15.253	(1.004)	1236765	121.306	121.306
	63 Anthracene	178.00	15.367	(1.012)	1234669	122.113	122.113
	64 Di-n-butylphthalate	149.00	16.774	(1.104)	1691911	119.435	119.435
	65 Fluoranthene	202.00	18.010	(1.186)	1233626	123.542	123.542
	66 Benzidine	184.00	18.446	(2.576)	283791	118.424	118.424
	67 Pyrene	202.00	18.524	(0.865)	1257309	115.828	115.828
$	68 Terphenyl-d14	244.00	19.031	(0.889)	798098	115.944	115.944
	69 Butylbenzylphthalate	149.00	20.310	(0.949)	727377	118.979	118.979
	70 Benzo(a)anthracene	228.00	21.389	(0.999)	1051762	122.622	122.622
*	71 Chrysene-d12	240.00	21.410	(1.000)	228811	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.446	(1.002)	397049	129.090	129.090
	73 Chrysene	228.00	21.481	(1.003)	898359	121.458	121.458
	74 bis(2-Ethylhexyl)phthalate	149.00	21.760	(1.016)	987921	119.175	119.175
	75 Di-n-octylphthalate	149.00	23.246	(0.948)	1712143	120.832	120.832
	76 Benzo(b)fluoranthene	252.00	23.788	(0.970)	1040196	131.370	131.370
	77 Benzo(k)fluoranthene	252.00	23.853	(0.972)	945834	132.197	132.197
	78 Benzo(a)pyrene	252.00	24.438	(0.996)	914307	133.057	133.057

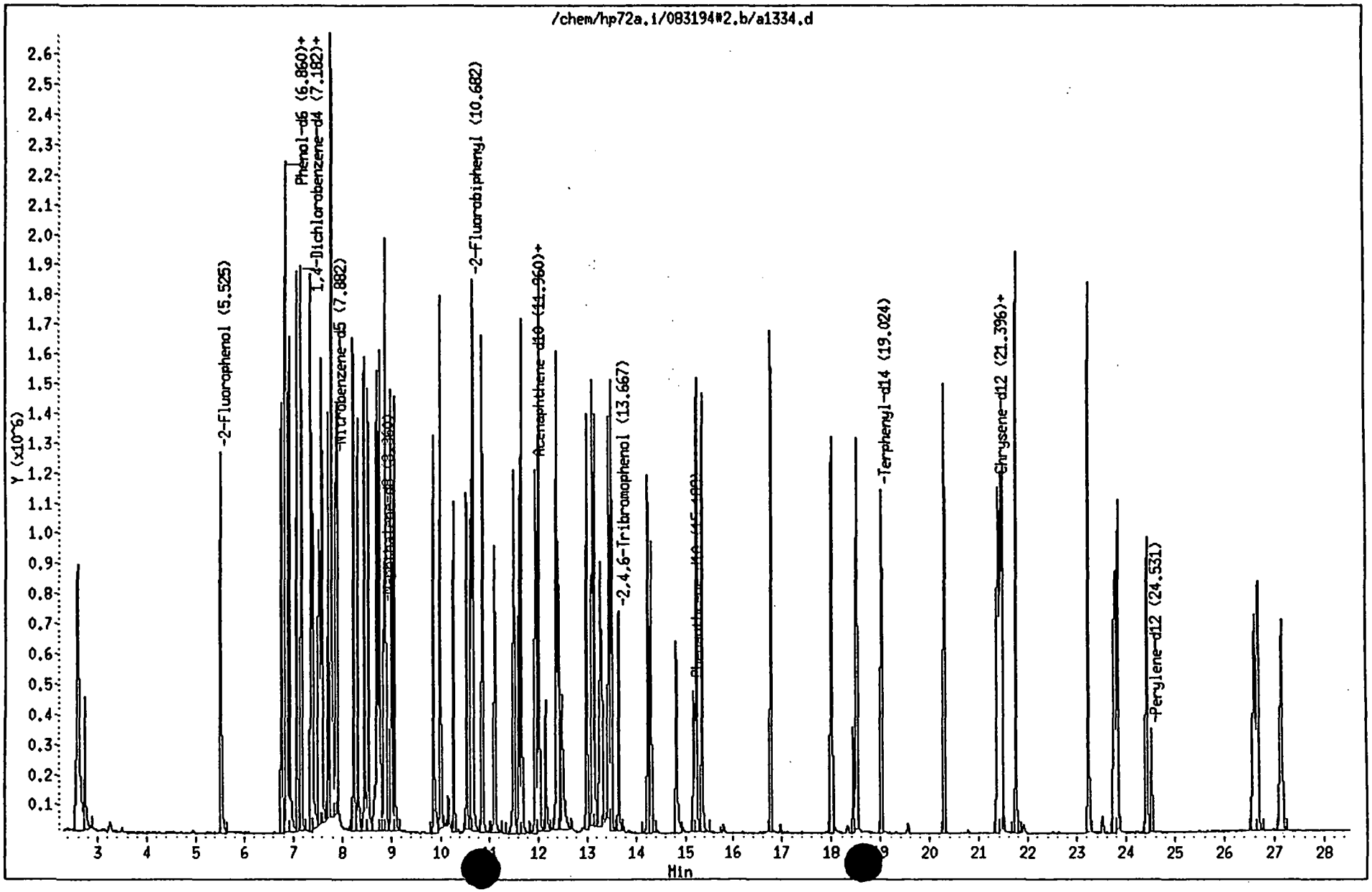
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.531	(1.000)	216525	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.610	(1.085)	875133	134.053	134.053
81 Dibenzo(a,h)anthracene	278.00	26.681	(1.088)	827577	134.530	134.530
82 Benzo(g,h,i)perylene	276.00	27.167	(1.107)	874788	133.909	133.909

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
- Operator selected an alternate compound hit.

Data File: /chem/hp72a.i/083194#2.b/a1334.d
Date : 01-SEP-94 05:41
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000223



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/083194#2.b/a1335.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 06:18 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD160
Misc Info : SSTD160
Comment :
Method : /chem/hp72a.i/083194#2.b/ccal02.m
Meth Date : 01-Sep-1994 10:39 jmk
Cal Date : 01-SEP-94 03:50 Cal File: a1331.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.652	(0.370)	657576	156.018	156.018
	2 Pyridine	79.00	2.673	(0.000)	1705457	152.157	152.157(QM)
$	3 2-Fluorophenol	112.00	5.537	(0.773)	1224823	146.306	146.306
$	4 Phenol-d6	99.00	6.873	(0.959)	1057336	136.980	136.980
	5 Aniline	93.00	6.780	(0.946)	1682445	147.606	147.606
	6 Phenol	94.00	6.894	(0.962)	1266031	131.618	131.618(M)
	7 bis(-2-Chloroethyl)Ether	93.00	6.866	(0.958)	1097802	141.915	141.915
	8 2-Chlorophenol	128.00	6.951	(0.970)	1070436	144.229	144.229
	9 1,3-Dichlorobenzene	146.00	7.094	(0.990)	990379	131.323	131.323
	10 1,4-Dichlorobenzene-d4	152.00	7.166	(1.000)	189921	40.000	
	11 1,4-Dichlorobenzene	146.00	7.187	(1.003)	933338	128.003	128.003
	12 Benzyl alcohol	108.00	7.430	(1.037)	742707	153.391	153.391
	13 1,2-Dichlorobenzene	146.00	7.373	(1.029)	904234	127.546	127.546
	14 2-Methylphenol	108.00	7.601	(1.061)	969238	143.197	143.197
	15 Bis(2-chloroisopropyl)ether	45.00	7.544	(1.053)	1422880	147.538	147.538
	16 3- & 4-Methylphenol	108.00	7.823	(1.092)	1601651	267.960	267.960(AM)
	17 N-Nitroso-di-n-propylamine	70.00	7.751	(1.075)	936522	151.146	151.146(QMH)
	18 Hexachloroethane	117.00	7.794	(1.088)	337066	125.137	125.137
$	19 Nitrobenzene-d5	82.00	7.894	(0.890)	1212224	146.366	146.366
	20 Nitrobenzene	77.00	7.923	(0.894)	1196036	148.093	148.093
	21 Isophorone	82.00	8.273	(0.933)	2552794	153.158	153.158
	22 2-Nitrophenol	139.00	8.344	(0.941)	791702	157.270	157.270
	23 2,4-Dimethyphenol	122.00	8.480	(0.956)	824295	143.282	143.282
	24 bis(-2-Chloroethoxy)methane	93.00	8.566	(0.966)	1466976	147.406	147.406
	25 Benzoic Acid	122.00	8.823	(1.223)	735439	195.847	195.847(QMH)
	26 2,4-Dichlorophenol	162.00	8.730	(0.985)	730265	140.414	140.414
	27 1,2,4-Trichlorobenzene	180.00	8.787	(0.991)	766290	135.126	135.126
*	28 Naphthalene-d8	136.00	8.866	(1.000)	681222	40.000	
	29 Naphthalene	128.00	8.901	(1.004)	2454771	131.522	131.522

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.023	(1.018)	1157990	137.395	137.395
	31 Hexachlorobutadiene	225.00	9.087	(1.025)	438491	140.971	140.971
	32 4-Chloro-3-Methylphenol	107.00	9.873	(1.114)	923868	148.612	148.612
	33 2-Methylnaphthalene	142.00	10.016	(1.130)	1598765	138.762	138.762
	34 Hexachlorocyclopentadiene	237.00	10.280	(0.859)	484654	168.373	168.373
	35 2,4,6-Trichlorophenol	196.00	10.559	(0.882)	529248	164.794	164.794
	36 2,4,5-Trichlorphenol	196.00	10.651	(0.890)	563015	150.576	150.576
$	37 2-Fluorobiphenyl	172.00	10.694	(0.894)	1725779	141.027	141.027
	38 2-Chloronaphthalene	162.00	10.887	(0.910)	1585217	148.636	148.636
	39 2-Nitroaniline	138.00	11.151	(0.932)	822821	167.224	167.224
	40 Dimethylphthalate	163.00	11.530	(0.964)	2096467	159.805	159.805
	41 Acenaphthylene	152.00	11.694	(0.977)	2548834	148.173	148.173
	42 2,6-Dinitrotoluene	165.00	11.644	(0.973)	477803	155.894	155.894
	43 3-Nitroaniline	138.00	11.994	(1.002)	604541	162.975	162.975
*	44 Acenaphthene-d10	164.00	11.966	(1.000)	321609	40.000	
	45 Acenaphthene	152.00	12.051	(1.007)	736421	146.813	146.813
	46 2,4-Dinitrophenol	184.00	12.194	(1.019)	360122	248.477	248.477(A)
	47 4-Nitrophenol	109.00	12.537	(1.048)	294813	199.544	199.544
	48 Dibenzofuran	168.00	12.408	(1.037)	2208674	147.015	147.015
	49 2,4-Dinitrotoluene	165.00	12.466	(1.042)	674291	162.697	162.697
	50 Fluorene	166.00	13.137	(1.098)	1689925	149.057	149.057
	51 Diethylphthalate	149.00	13.037	(1.090)	2051778	157.704	157.704
	52 4-Chlorophenyl-phenylether	204.00	13.187	(1.102)	832656	148.637	148.637
	53 4-Nitroaniline	138.00	13.344	(1.115)	480149	131.108	131.108
	54 4,6-Dinitro-o-cresol	198.00	13.358	(0.879)	450094	188.956	188.956(M)
	55 N-nitrosodiphenylamine (1)	169.00	13.487	(0.887)	1260610	147.679	147.679
	56 Azobenzene	77.00	13.537	(1.889)	2485995	154.053	154.053
$	57 2,4,6-Tribromophenol	330.00	13.680	(1.143)	296462	168.299	168.299
	58 4-Bromophenyl-phenylether	248.00	14.258	(0.938)	453283	148.179	148.179
	59 Hexachlorobenzene	284.00	14.337	(0.943)	502033	145.221	145.221
	60 Pentachlorophenol	266.00	14.844	(0.977)	337421	211.388	211.388(A)
*	61 Phenanthrene-d10	188.00	15.201	(1.000)	518386	40.000	
	62 Phenanthrene	178.00	15.266	(1.004)	2366230	144.066	144.066
	63 Anthracene	178.00	15.387	(1.012)	2327734	142.907	142.907
	64 Di-n-butylphthalate	149.00	16.787	(1.104)	3251175	142.464	142.464
	65 Fluoranthene	202.00	18.030	(1.186)	2290915	142.413	142.413
	66 Benzidine	184.00	18.458	(2.576)	484922	134.584	134.584
	67 Pyrene	202.00	18.544	(0.865)	2292137	160.740	160.740
$	68 Terphenyl-d14	244.00	19.044	(0.889)	1425194	157.608	157.608
	69 Butylbenzylphthalate	149.00	20.315	(0.948)	1245711	155.110	155.110
	70 Benzo(a)anthracene	228.00	21.408	(0.999)	1783434	158.277	158.277
*	71 Chrysene-d12	240.00	21.430	(1.000)	300585	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.458	(1.001)	589984	146.016	146.016
	73 Chrysene	228.00	21.501	(1.003)	1406479	144.750	144.750
	74 bis(2-Ethylhexyl)phthalate	149.00	21.773	(1.016)	1603125	147.210	147.210
	75 Di-n-octylphthalate	149.00	23.258	(0.948)	2668173	114.808	114.808
	76 Benzo(b)fluoranthene	252.00	23.808	(0.970)	1785248	137.467	137.467
	77 Benzo(k)fluoranthene	252.00	23.865	(0.973)	1481791	122.266	122.266(M)
	78 Benzo(a)pyrene	252.00	24.451	(0.997)	1366004	121.204	121.204

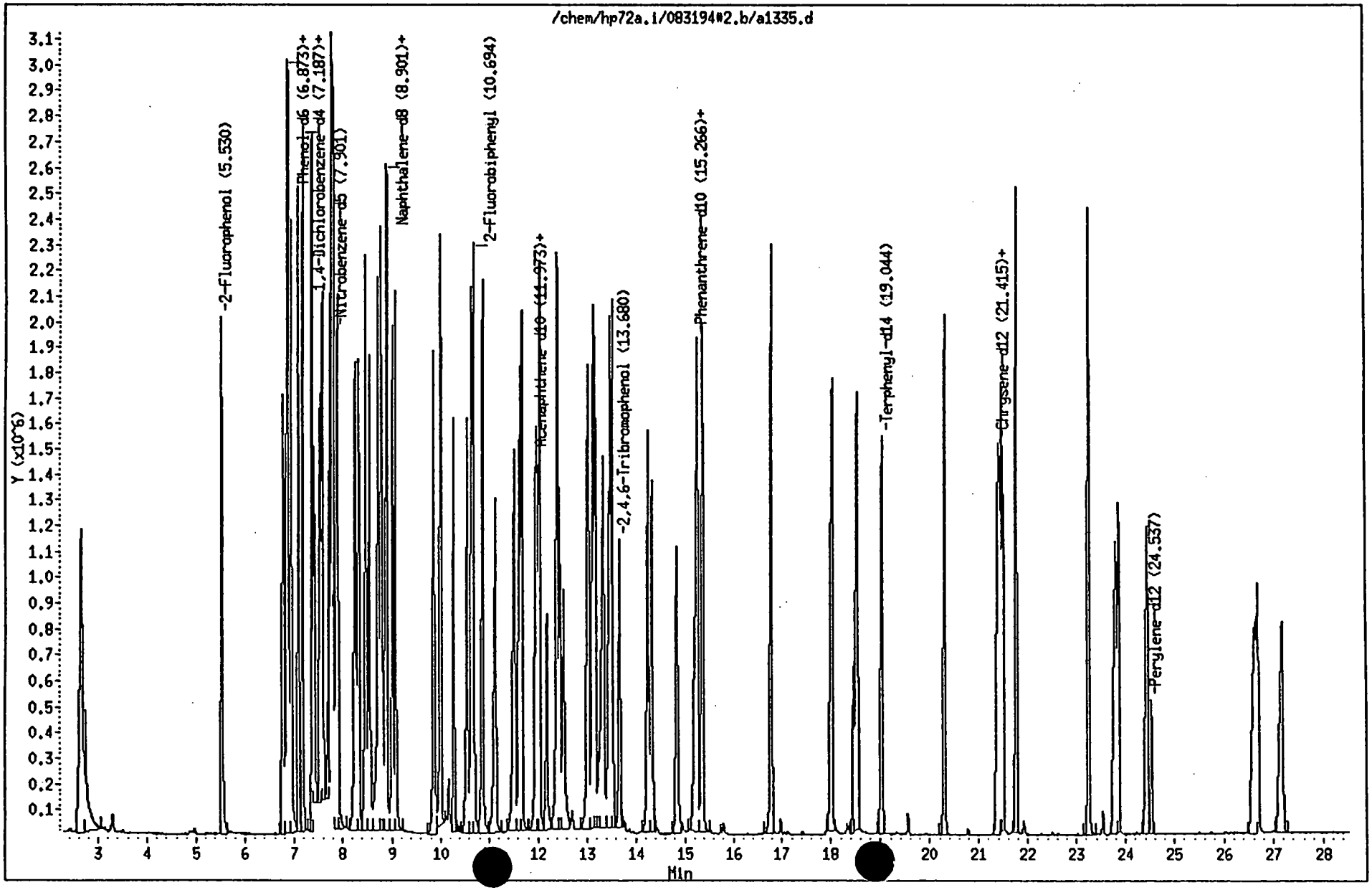
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.537	(1.000)	355132	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.630	(1.085)	1396872	130.460	130.460
81 Dibenzo(a,h)anthracene	278.00	26.694	(1.088)	1199347	118.871	118.871
82 Benzo(g,h,i)perylene	276.00	27.187	(1.108)	1299706	121.303	121.303

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
- Operator selected an alternate compound hit.

Data File: /chem/hp72a.i/083194#2.b/a1335.d
Date : 01-SEP-94 06:18
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000226



Data File: /chem/hp72a.i/090194.b/a1350.d

Date : 01-SEP-94 16:01

Instrument : hp72a.i

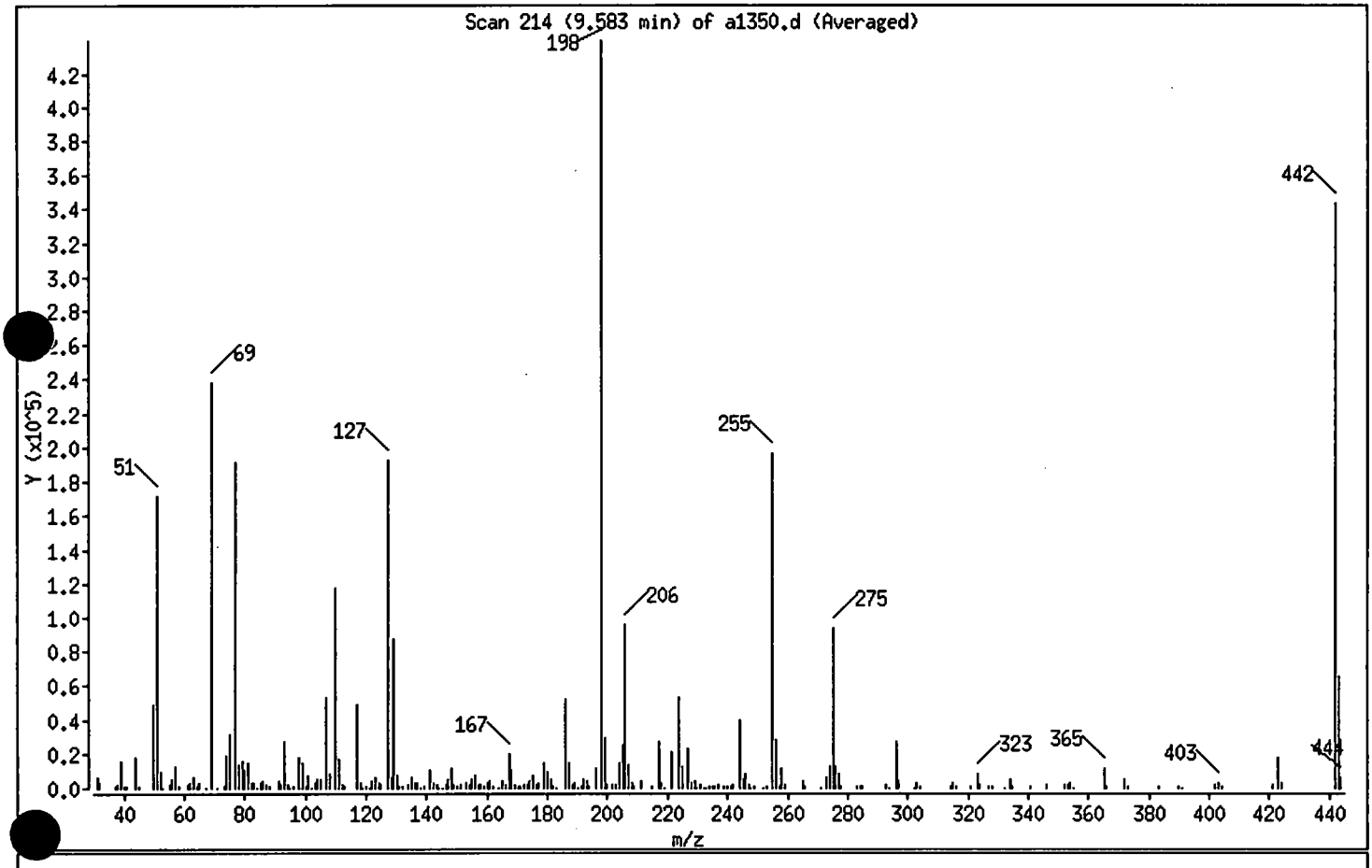
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	39.1
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	54.2
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	43.9
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.7
275	10.00 - 30.00% of mass 198	21.3
365	Greater than 1.00% of mass 198	2.7
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	78.3
443	17.00 - 23.00% of mass 442	18.9

Data File: /chem/hp72a.i/090194.b/a1350.d
Date : 01-SEP-94 16:01
Instrument : hp72a.i
Sample ID :
Column phase : Column diameter : 2.00
Volume Injected (uL) : 1.0

Spectrum: Scans 214-216 (9.583 min), Subtraction Scan 207
Location of Maximum: 198.00
Number of points: 228

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	6443	117.00	48522	181.00	4706	258.00	11826
37.00	1002	118.00	3444	182.00	857	259.00	1927
38.00	2467	119.00	371	183.00	213	265.00	4386
39.00	15566	120.00	758	186.00	52232	266.00	645
40.00	705	121.00	193	187.00	14978	271.00	200
41.00	209	122.00	3835	188.00	1755	273.00	6369
45.00	50	123.00	6324	189.00	3360	274.00	12797
50.00	48674	124.00	3106	190.00	476	275.00	93736
51.00	171858	125.00	2263	191.00	1196	276.00	12248
52.00	8965	127.00	192981	192.00	5092	277.00	7909
53.00	219	128.00	6272	193.00	4683	278.00	1325
55.00	769	129.00	87472	194.00	1116	283.00	923
56.00	5725	130.00	6859	196.00	11623	284.00	595
57.00	12093	131.00	1334	198.00	439381	285.00	1326
58.00	589	132.00	638	199.00	29322	293.00	1683
61.00	2451	134.00	2490	200.00	2230	294.00	169
62.00	2785	135.00	6457	202.00	1879	296.00	27021
63.00	6566	136.00	2625	203.00	2188	297.00	3755
64.00	980	137.00	3240	204.00	14100	302.00	450
65.00	3485	138.00	178	205.00	25354	303.00	3126
67.00	170	139.00	643	206.00	95976	304.00	846
69.00	238144	141.00	10590	207.00	13206	314.00	846
71.00	511	142.00	3259	208.00	3323	315.00	2757
73.00	1009	143.00	2197	209.00	1242	316.00	1452
74.00	18635	144.00	441	211.00	4154	321.00	792
75.00	30960	145.00	445	215.00	1196	323.00	8600
77.00	191509	146.00	1921	217.00	26552	324.00	1662
78.00	13636	147.00	5021	218.00	3549	327.00	1458
79.00	15342	148.00	11736	219.00	183	328.00	858
80.00	10528	149.00	2376	221.00	20701	332.00	487
81.00	14717	150.00	743	224.00	52696	334.00	5456
82.00	3319	151.00	1814	225.00	12433	335.00	1516
83.00	3345	153.00	3368	227.00	23266	341.00	899
84.00	219	154.00	2434	228.00	3150	346.00	1710
85.00	2857	155.00	5204	229.00	4439	352.00	2406

Data File: /chem/hp72a.i/090194.b/a1350.d

Date : 01-SEP-94 16:01

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 214-216 (9.583 min), Subtraction Scan 207
Location of Maximum: 198.00
Number of points: 228

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	4447	156.00	7272	230.00	405	353.00	1755
87.00	1830	157.00	1576	231.00	1727	354.00	2614
88.00	641	158.00	2108	232.00	171	355.00	231
91.00	3728	159.00	1289	233.00	202	365.00	11802
92.00	2465	160.00	3183	234.00	1402	366.00	1372
93.00	27117	161.00	4583	235.00	1544	372.00	4687
94.00	1941	162.00	1218	236.00	837	373.00	1162
95.00	455	164.00	251	237.00	1603	383.00	1248
96.00	1198	165.00	3662	239.00	966	390.00	687
98.00	18151	166.00	2031	240.00	778	391.00	337
99.00	14665	167.00	19375	241.00	1305	402.00	1864
100.00	1005	168.00	10612	242.00	2475	403.00	2948
101.00	7292	169.00	1729	244.00	39661	404.00	1049
102.00	355	170.00	739	245.00	5546	421.00	2457
103.00	2662	171.00	956	246.00	7934	423.00	17827
104.00	5371	172.00	1581	247.00	1630	424.00	3575
105.00	4973	173.00	2476	248.00	181	442.00	343957
107.00	53133	174.00	4394	249.00	1366	443.00	65152
108.00	8276	175.00	6988	252.00	167	444.00	6026
110.00	117658	176.00	2209	253.00	916		
111.00	17116	177.00	3551	255.00	196522		
112.00	2172	179.00	14641	256.00	28469		
113.00	596	180.00	9751	257.00	1040		

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1351.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 01-SEP-94 16:21
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090194.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	0.919	0.010	3.5	500.0
	2 Pyridine	2.361	2.424	0.010	2.7	500.0
$	3 2-Fluorophenol	1.763	1.847	0.010	4.8	500.0
$	4 Phenol-d6	1.626	1.730	0.010	6.4	500.0
	5 Aniline	2.401	2.547	0.010	6.1	500.0
	6 Phenol	2.026	2.133	0.010	5.3	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.701	0.010	4.4	500.0
	8 2-Chlorophenol	1.563	1.651	0.010	5.6	500.0
	9 1,3-Dichlorobenzene	1.588	1.717	0.010	8.1	500.0
	11 1,4-Dichlorobenzene	1.536	1.668	0.010	8.6	30.0
	12 Benzyl alcohol	1.020	1.079	0.010	5.8	500.0
	13 1,2-Dichlorobenzene	1.493	1.618	0.010	8.3	500.0
	14 2-Methylphenol	1.426	1.459	0.010	2.3	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	2.114	0.010	4.1	500.0
	16 3- & 4-Methylphenol	1.259	1.308	0.010	3.9	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.346	0.050	3.2	500.0
	18 Hexachloroethane	0.567	0.583	0.010	2.8	500.0
$	19 Nitrobenzene-d5	0.486	0.532	0.010	9.4	500.0
	20 Nitrobenzene	0.474	0.526	0.010	10.9	500.0
	21 Isophorone	0.979	0.943	0.010	3.6	500.0
	22 2-Nitrophenol	0.296	0.323	0.010	9.3	30.0
	23 2,4-Dimethyphenol	0.338	0.365	0.010	8.1	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.621	0.010	6.3	500.0
	25 Benzoic Acid	0.791	0.795	0.010	0.5	500.0
	26 2,4-Dichlorophenol	0.305	0.340	0.010	11.2	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.374	0.010	12.2	500.0
	29 Naphthalene	1.096	1.192	0.010	8.8	500.0
	30 4-Chloroaniline	0.495	0.534	0.010	8.0	500.0
	31 Hexachlorobutadiene	0.183	0.204	0.010	11.8	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.383	0.010	4.8	30.0
	33 2-Methylnaphthalene	0.677	0.738	0.010	9.1	500.0
	34 Hexachlorocyclopentadiene	0.358	0.381	0.050	6.3	500.0
	35 2,4,6-Trichlorophenol	0.399	0.420	0.010	5.0	30.0
	36 2,4,5-Trichlorphenol	0.465	0.504	0.010	8.3	500.0
$	37 2-Fluorobiphenyl	1.522	1.630	0.010	7.1	500.0
	38 2-Chloronaphthalene	1.326	1.408	0.010	6.1	500.0
	39 2-Nitroaniline	0.612	0.634	0.010	3.7	500.0
	40 Dimethylphthalate	1.632	1.677	0.010	2.8	500.0
	41 Acenaphthylene	2.139	2.284	0.010	6.8	500.0
	42 2,6-Dinitrotoluene	0.381	0.415	0.010	8.9	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1351.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 01-SEP-94 16:21
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090194.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.461	0.456	0.010	1.1	500.0
	45 Acenaphthene	0.624	0.651	0.010	4.4	30.0
	46 2,4-Dinitrophenol	0.209	0.172	0.050	17.5	500.0
	47 4-Nitrophenol	0.184	0.173	0.050	6.1	500.0
	48 Dibenzofuran	1.869	1.958	0.010	4.8	500.0
	49 2,4-Dinitrotoluene	0.515	0.543	0.010	5.3	500.0
	50 Fluorene	1.410	1.440	0.010	2.1	500.0
	51 Diethylphthalate	1.618	1.668	0.010	3.1	500.0
	52 4-Chlorophenyl-phenylether	0.697	0.733	0.010	5.2	500.0
	53 4-Nitroaniline	0.455	0.455	0.010	0.0	500.0
	54 4,6-Dinitro-o-cresol	0.184	0.192	0.010	4.3	500.0
	55 N-nitrosodiphenylamine (1)	0.659	0.688	0.010	4.5	30.0
	56 Azobenzene	3.399	3.410	0.010	0.3	500.0
$	57 2,4,6-Tribromophenol	0.219	0.229	0.010	4.4	500.0
	58 4-Bromophenyl-phenylether	0.236	0.255	0.010	8.1	500.0
	59 Hexachlorobenzene	0.267	0.285	0.010	6.8	500.0
	60 Pentachlorophenol	0.143	0.124	0.010	13.3	30.0
	62 Phenanthrene	1.267	1.295	0.010	2.2	500.0
	63 Anthracene	1.257	1.332	0.010	6.0	500.0
	64 Di-n-butylphthalate	1.761	1.865	0.010	5.9	500.0
	65 Fluoranthene	1.241	1.271	0.010	2.4	30.0
	66 Benzidine	0.759	0.744	0.010	2.0	500.0
	67 Pyrene	1.898	2.037	0.010	7.3	500.0
$	68 Terphenyl-d14	1.203	1.316	0.010	9.3	500.0
	69 Butylbenzylphthalate	1.069	1.154	0.010	7.9	500.0
	70 Benzo(a)anthracene	1.499	1.569	0.010	4.6	500.0
	72 3,3'-Dichlorobenzidine	0.538	0.573	0.010	6.6	500.0
	73 Chrysene	1.293	1.379	0.010	6.6	500.0
	74 bis(2-Ethylhexyl)phthalate	1.449	1.564	0.010	7.9	500.0
	75 Di-n-octylphthalate	2.618	3.371	0.010	28.8	30.0
	76 Benzo(b)fluoranthene	1.463	1.723	0.010	17.8	500.0
	77 Benzo(k)fluoranthene	1.365	1.666	0.010	22.1	500.0
	78 Benzo(a)pyrene	1.269	1.551	0.010	22.2	30.0
	80 Indeno(1,2,3-cd)pyrene	1.206	1.432	0.010	18.7	500.0
	81 Dibenzo(a,h)anthracene	1.136	1.398	0.010	23.0	500.0
	82 Benzo(g,h,i)perylene	1.207	1.399	0.010	15.9	500.0

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090194.b/a1351.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 16:21 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090194.b/ccal02.m
Meth Date : 01-Sep-1994 16:53
Cal Date : 01-SEP-94 16:21 Cal File: a1351.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.598	(0.363)	237937	51.770	51.770
	2 Pyridine	79.00	2.619	(0.366)	627523	51.342	51.342
$	3 2-Fluorophenol	112.00	5.519	(0.771)	478155	52.378	52.378
$	4 Phenol-d6	99.00	6.848	(0.957)	447975	53.222	53.222
	5 Aniline	93.00	6.762	(0.945)	659484	53.059	53.059
	6 Phenol	94.00	6.862	(0.959)	552291	52.654	52.654
	7 bis(-2-Chloroethyl)Ether	93.00	6.848	(0.957)	440326	52.200	52.200
	8 2-Chlorophenol	128.00	6.933	(0.969)	427280	52.795	52.795
	9 1,3-Dichlorobenzene	146.00	7.076	(0.989)	444403	54.039	54.039
	10 1,4-Dichlorobenzene-d4	152.00	7.155	(1.000)	207101	40.000	
	11 1,4-Dichlorobenzene	146.00	7.176	(1.003)	431776	54.304	54.304
	12 Benzyl alcohol	108.00	7.390	(1.033)	279407	52.919	52.919
	13 1,2-Dichlorobenzene	146.00	7.362	(1.029)	418768	54.169	54.169
	14 2-Methylphenol	108.00	7.583	(1.060)	377688	51.171	51.171
	15 Bis(2-chloroisopropyl)ether	45.00	7.526	(1.052)	547303	52.042	52.042
	16 3- & 4-Methylphenol	108.00	7.790	(1.089)	677130	103.888	103.888
	17 N-Nitroso-di-n-propylamine	70.00	7.712	(1.078)	348540	51.585	51.585
	18 Hexachloroethane	117.00	7.783	(1.088)	151032	51.420	51.420
$	19 Nitrobenzene-d5	82.00	7.876	(0.889)	469753	54.720	54.720
	20 Nitrobenzene	77.00	7.898	(0.892)	464313	55.465	55.465
	21 Isophorone	82.00	8.233	(0.930)	832315	48.176	48.176
	22 2-Nitrophenol	139.00	8.326	(0.940)	285264	54.670	54.670
	23 2,4-Dimethyphenol	122.00	8.455	(0.955)	322178	54.028	54.028
	24 bis(-2-Chloroethoxy)methane	93.00	8.540	(0.965)	548363	53.159	53.159
	25 Benzoic Acid	122.00	8.733	(1.221)	205857	50.272	50.272
	26 2,4-Dichlorophenol	162.00	8.712	(0.984)	299674	55.590	55.590
	27 1,2,4-Trichlorobenzene	180.00	8.776	(0.991)	329734	56.095	56.095
*	28 Naphthalene-d8	136.00	8.855	(1.000)	706108	40.000	
	29 Naphthalene	128.00	8.890	(1.004)	1052169	54.386	54.386

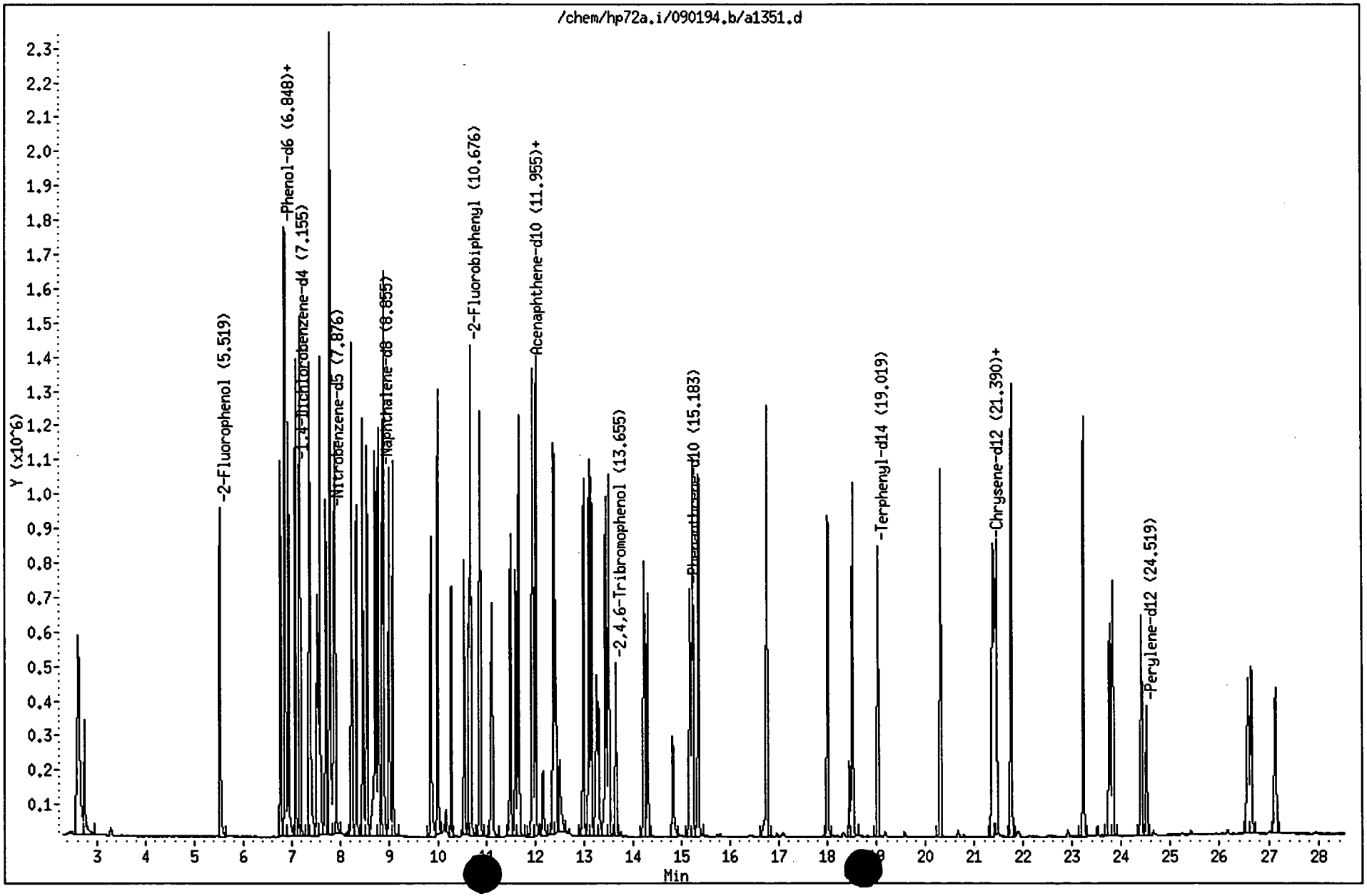
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.005	(1.017)	471698	53.994	53.994
	31 Hexachlorobutadiene	225.00	9.083	(1.026)	180273	55.914	55.914
	32 4-Chloro-3-Methylphenol	107.00	9.855	(1.113)	337778	52.419	52.419
	33 2-Methylnaphthalene	142.00	9.998	(1.129)	651236	54.531	54.531
	34 Hexachlorocyclopentadiene	237.00	10.276	(0.860)	168155	53.143	53.143
	35 2,4,6-Trichlorophenol	196.00	10.540	(0.882)	185406	52.517	52.517
	36 2,4,5-Trichlorphenol	196.00	10.640	(0.890)	222645	54.168	54.168
$	37 2-Fluorobiphenyl	172.00	10.676	(0.893)	720421	53.555	53.555
	38 2-Chloronaphthalene	162.00	10.869	(0.909)	622128	53.066	53.066
	39 2-Nitroaniline	138.00	11.119	(0.930)	280381	51.837	51.837
	40 Dimethylphthalate	163.00	11.505	(0.962)	741138	51.393	51.393
	41 Acenaphthylene	152.00	11.669	(0.976)	1009374	53.380	53.380
	42 2,6-Dinitrotoluene	165.00	11.605	(0.971)	183478	54.458	54.458
	43 3-Nitroaniline	138.00	11.955	(1.000)	201562	49.431	49.431
*	44 Acenaphthene-d10	164.00	11.955	(1.000)	353533	40.000	
	45 Acenaphthene	152.00	12.026	(1.006)	287802	52.195	52.195
	46 2,4-Dinitrophenol	184.00	12.162	(1.017)	76124	41.250	41.250
	47 4-Nitrophenol	109.00	12.497	(1.045)	76262	46.957	46.957
	48 Dibenzofuran	168.00	12.383	(1.036)	865473	52.406	52.406
	49 2,4-Dinitrotoluene	165.00	12.426	(1.039)	239883	52.654	52.654
	50 Fluorene	166.00	13.112	(1.097)	636373	51.062	51.062
	51 Diethylphthalate	149.00	12.997	(1.087)	737124	51.541	51.541
	52 4-Chlorophenyl-phenylether	204.00	13.162	(1.101)	323779	52.579	52.579
	53 4-Nitroaniline	138.00	13.269	(1.110)	201256	49.992	49.992
	54 4,6-Dinitro-o-cresol	198.00	13.305	(0.876)	124461	52.133	52.133
	55 N-nitrosodiphenylamine (1)	169.00	13.447	(0.886)	446897	52.236	52.236
	56 Azobenzene	77.00	13.512	(1.888)	882829	50.169	50.169
$	57 2,4,6-Tribromophenol	330.00	13.655	(1.142)	101082	52.202	52.202
	58 4-Bromophenyl-phenylether	248.00	14.240	(0.938)	165719	54.052	54.052
	59 Hexachlorobenzene	284.00	14.312	(0.943)	184937	53.376	53.376
	60 Pentachlorophenol	266.00	14.826	(0.976)	80741	43.349	43.349
*	61 Phenanthrene-d10	188.00	15.183	(1.000)	519552	40.000	
	62 Phenanthrene	178.00	15.240	(1.004)	840917	51.084	51.084
	63 Anthracene	178.00	15.355	(1.011)	865012	52.987	52.987
	64 Di-n-butylphthalate	149.00	16.769	(1.104)	1211097	52.950	52.950
	65 Fluoranthene	202.00	17.997	(1.185)	825626	51.209	51.209
	66 Benzidine	184.00	18.440	(2.577)	192487	48.991	48.991
	67 Pyrene	202.00	18.512	(0.865)	824074	53.667	53.667
$	68 Terphenyl-d14	244.00	19.019	(0.889)	532325	54.669	54.669
	69 Butylbenzylphthalate	149.00	20.297	(0.948)	466724	53.969	53.969
	70 Benzo(a)anthracene	228.00	21.376	(0.999)	634767	52.316	52.316
*	71 Chrysene-d12	240.00	21.404	(1.000)	323674	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.433	(1.001)	231946	53.310	53.310
	73 Chrysene	228.00	21.461	(1.003)	557778	53.310	53.310
	74 bis(2-Ethylhexyl)phthalate	149.00	21.754	(1.016)	632918	53.973	53.973
	75 Di-n-octylphthalate	149.00	23.233	(0.948)	1054628	64.385	64.385
	76 Benzo(b)fluoranthene	252.00	23.769	(0.969)	539090	58.896	58.896
	77 Benzo(k)fluoranthene	252.00	23.826	(0.972)	521371	61.037	61.037
	78 Benzo(a)pyrene	252.00	24.411	(0.996)	485348	61.100	61.100

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.519	(1.000)	250302	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.583	(1.084)	448003	59.364	59.364
81 Dibenzo(a,h)anthracene	278.00	26.647	(1.087)	437413	61.510	61.510
82 Benzo(g,h,i)perylene	276.00	27.133	(1.107)	437712	57.962	57.962

Data File: /chem/hp72a.i/090194.b/a1351.d
Date : 01-SEP-94 16:21
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000235



Data File: /chem/hp72a.i/090294.b/a1370.d

Date : 02-SEP-94 07:54

Instrument : hp72a.i

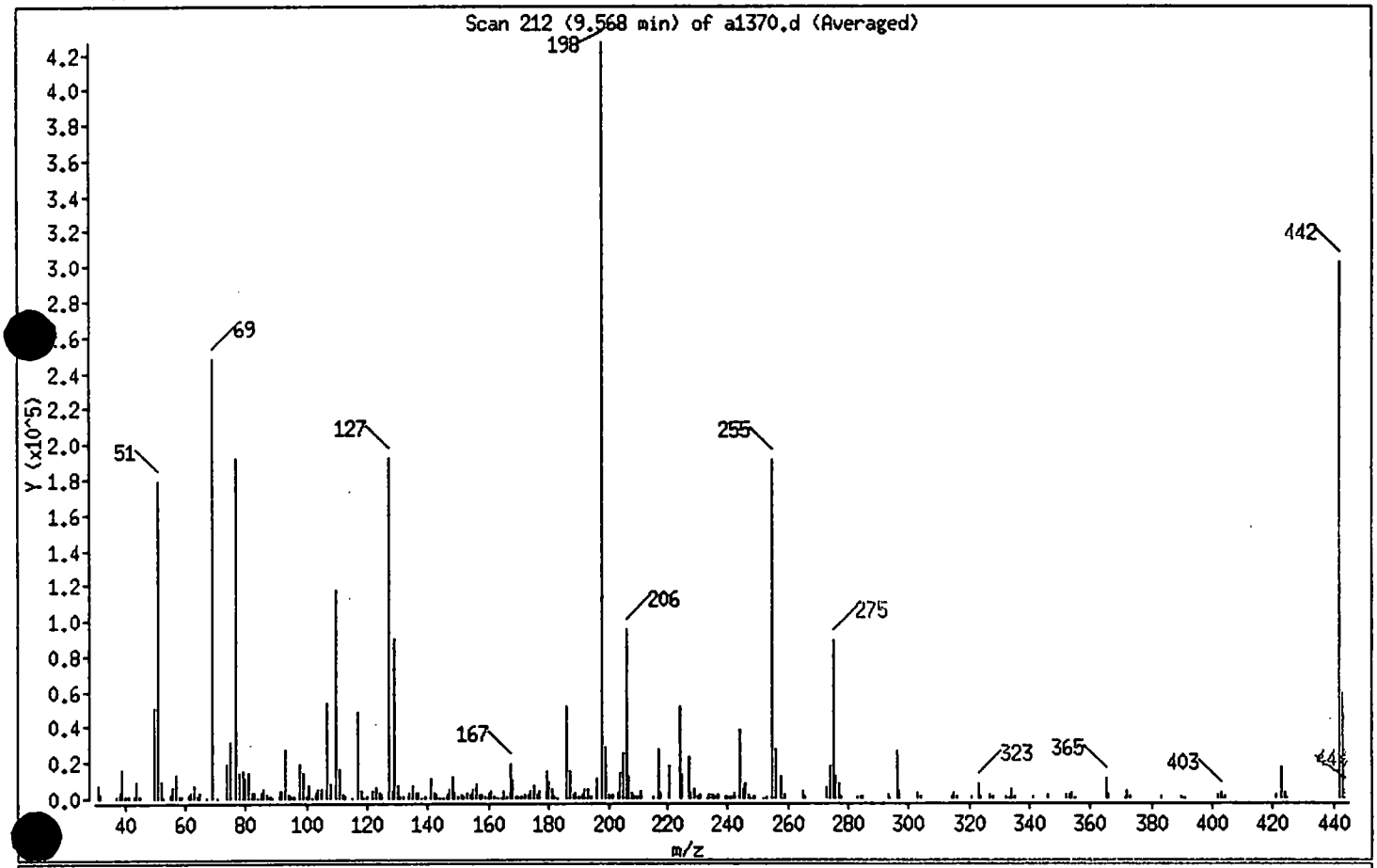
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	42.0
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	57.9
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	45.0
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.6
275	10.00 - 30.00% of mass 198	20.8
365	Greater than 1.00% of mass 198	2.7
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	70.8
443	17.00 - 23.00% of mass 442	19.4

Data File: /chem/hp72a.i/090294.b/a1370.d

Date : 02-SEP-94 07:54

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.568 min), Subtraction Scan 205

Location of Maximum: 198.00

Number of points: 229

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	7225	115.00	201	179.00	15369	258.00	11892
37.00	1103	117.00	48714	180.00	9570	259.00	1853
38.00	2844	118.00	3669	181.00	4556	265.00	4406
39.00	15518	119.00	171	182.00	559	266.00	695
40.00	814	120.00	746	183.00	170	273.00	5689
41.00	145	122.00	4331	186.00	52005	274.00	18194
45.00	28	123.00	6003	187.00	14836	275.00	88944
50.00	50509	124.00	3149	188.00	1691	276.00	11901
51.00	179413	125.00	2434	189.00	3460	277.00	7896
52.00	9359	127.00	192064	190.00	572	278.00	1232
53.00	181	128.00	4483	191.00	2064	283.00	737
55.00	1086	129.00	90061	192.00	4967	284.00	630
56.00	6262	130.00	7394	193.00	5050	285.00	1238
57.00	12233	131.00	1425	194.00	1042	293.00	1890
58.00	530	132.00	776	196.00	10892	294.00	167
61.00	2341	134.00	2607	198.00	426666	296.00	25930
62.00	2638	135.00	6678	199.00	28368	297.00	3573
63.00	6909	136.00	2528	200.00	2159	303.00	2730
64.00	1078	137.00	3139	202.00	1598	304.00	766
65.00	3366	138.00	361	203.00	3207	314.00	1177
67.00	395	139.00	681	204.00	14297	315.00	3036
69.00	246998	141.00	10693	205.00	25120	316.00	1473
71.00	173	142.00	3478	206.00	94890	321.00	858
74.00	19184	143.00	2366	207.00	12052	323.00	7927
75.00	31458	144.00	435	208.00	3426	324.00	1479
77.00	192277	145.00	378	209.00	1184	327.00	1565
78.00	14046	146.00	2067	210.00	1449	328.00	886
79.00	15616	147.00	5390	211.00	4217	332.00	737
80.00	11127	148.00	12524	215.00	1227	333.00	295
81.00	13912	149.00	2610	217.00	26970	334.00	5389
82.00	3401	150.00	533	218.00	3496	335.00	1373
83.00	3308	151.00	1541	221.00	18029	341.00	965
84.00	359	152.00	633	224.00	51957	346.00	1888
85.00	3390	153.00	3324	225.00	13338	352.00	2402
86.00	4710	154.00	2394	227.00	23725	353.00	1761

Data File: /chem/hp72a.i/090294.b/a1370.d

Date : 02-SEP-94 07:54

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.568 min), Subtraction Scan 205

Location of Maximum: 198.00

Number of points: 229

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	1936	155.00	5318	228.00	3106	354.00	2589
88.00	811	156.00	8045	229.00	4853	355.00	180
89.00	168	157.00	1757	230.00	712	365.00	11617
91.00	3638	158.00	2022	231.00	1970	366.00	1750
92.00	4304	159.00	1499	233.00	184	371.00	216
93.00	27162	160.00	3418	234.00	1547	372.00	4173
94.00	1914	161.00	4500	235.00	1613	373.00	1098
95.00	711	162.00	1303	236.00	987	383.00	1144
96.00	1121	163.00	167	237.00	1569	390.00	654
98.00	19047	164.00	243	239.00	913	391.00	180
99.00	14106	165.00	4155	240.00	752	402.00	1821
100.00	1359	166.00	933	241.00	1237	403.00	2548
101.00	7239	167.00	18792	242.00	2602	404.00	944
102.00	261	168.00	10342	244.00	38893	421.00	2234
103.00	2678	169.00	1502	245.00	5435	423.00	16737
104.00	4850	170.00	660	246.00	8149	424.00	3128
105.00	4796	171.00	729	247.00	1695	425.00	192
107.00	53469	172.00	1783	248.00	176	442.00	301888
108.00	8447	173.00	2304	249.00	1282	443.00	58445
110.00	117309	174.00	4027	252.00	178	444.00	5531
111.00	16013	175.00	7068	253.00	1108		
112.00	2263	176.00	2033	255.00	191488		
113.00	744	177.00	3705	256.00	27688		

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1371.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 02-SEP-1994 08:15
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090294.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	0.937	0.010	5.6	500.0
	2 Pyridine	2.361	2.351	0.010	0.4	500.0
$	3 2-Fluorophenol	1.763	1.816	0.010	3.0	500.0
$	4 Phenol-d6	1.626	1.682	0.010	3.5	500.0
	5 Aniline	2.401	2.480	0.010	3.3	500.0
	6 Phenol	2.026	2.126	0.010	4.9	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.666	0.010	2.3	500.0
	8 2-Chlorophenol	1.563	1.630	0.010	4.3	500.0
	9 1,3-Dichlorobenzene	1.588	1.711	0.010	7.7	500.0
	11 1,4-Dichlorobenzene	1.536	1.638	0.010	6.6	30.0
	12 Benzyl alcohol	1.020	1.010	0.010	1.0	500.0
	13 1,2-Dichlorobenzene	1.493	1.618	0.010	8.4	500.0
	14 2-Methylphenol	1.426	1.420	0.010	0.4	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	2.114	0.010	4.1	500.0
	16 3- & 4-Methylphenol	1.259	1.316	0.010	4.5	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.317	0.050	0.9	500.0
	18 Hexachloroethane	0.567	0.602	0.010	6.2	500.0
$	19 Nitrobenzene-d5	0.486	0.539	0.010	10.8	500.0
	20 Nitrobenzene	0.474	0.551	0.010	16.3	500.0
	21 Isophorone	0.979	0.980	0.010	0.1	500.0
	22 2-Nitrophenol	0.296	0.317	0.010	7.3	30.0
	23 2,4-Dimethyphenol	0.338	0.359	0.010	6.3	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.612	0.010	4.7	500.0
	25 Benzoic Acid	0.791	0.638	0.010	19.4	500.0
	26 2,4-Dichlorophenol	0.305	0.332	0.010	8.7	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.377	0.010	13.1	500.0
	29 Naphthalene	1.096	1.196	0.010	9.2	500.0
	30 4-Chloroaniline	0.495	0.538	0.010	8.7	500.0
	31 Hexachlorobutadiene	0.183	0.211	0.010	15.5	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.379	0.010	3.9	30.0
	33 2-Methylnaphthalene	0.677	0.730	0.010	7.9	500.0
	34 Hexachlorocyclopentadiene	0.358	0.380	0.050	6.2	500.0
	35 2,4,6-Trichlorophenol	0.399	0.410	0.010	2.5	30.0
	36 2,4,5-Trichlorphenol	0.465	0.491	0.010	5.5	500.0
$	37 2-Fluorobiphenyl	1.522	1.650	0.010	8.4	500.0
	38 2-Chloronaphthalene	1.326	1.428	0.010	7.7	500.0
	39 2-Nitroaniline	0.612	0.598	0.010	2.2	500.0
	40 Dimethylphthalate	1.632	1.620	0.010	0.7	500.0
	41 Acenaphthylene	2.139	2.250	0.010	5.2	500.0
	42 2,6-Dinitrotoluene	0.381	0.400	0.010	5.0	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1371.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 02-SEP-1994 08:15
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090294.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.461	0.434	0.010	5.9	500.0
	45 Acenaphthene	0.624	0.643	0.010	3.0	30.0
	46 2,4-Dinitrophenol	0.209	0.120	0.050	42.5	500.0
	47 4-Nitrophenol	0.184	0.154	0.050	16.1	500.0
	48 Dibenzofuran	1.869	1.898	0.010	1.6	500.0
	49 2,4-Dinitrotoluene	0.515	0.522	0.010	1.4	500.0
	50 Fluorene	1.410	1.425	0.010	1.0	500.0
	51 Diethylphthalate	1.618	1.669	0.010	3.1	500.0
	52 4-Chlorophenyl-phenylether	0.697	0.720	0.010	3.3	500.0
	53 4-Nitroaniline	0.455	0.415	0.010	8.9	500.0
	54 4,6-Dinitro-o-cresol	0.184	0.177	0.010	3.8	500.0
	55 N-nitrosodiphenylamine (1)	0.659	0.676	0.010	2.7	30.0
	56 Azobenzene	3.399	3.217	0.010	5.3	500.0
$	57 2,4,6-Tribromophenol	0.219	0.214	0.010	2.2	500.0
	58 4-Bromophenyl-phenylether	0.236	0.254	0.010	7.8	500.0
	59 Hexachlorobenzene	0.267	0.287	0.010	7.5	500.0
	60 Pentachlorophenol	0.143	0.104	0.010	27.8	30.0
	62 Phenanthrene	1.267	1.297	0.010	2.3	500.0
	63 Anthracene	1.257	1.302	0.010	3.6	500.0
	64 Di-n-butylphthalate	1.761	1.855	0.010	5.3	500.0
	65 Fluoranthene	1.241	1.280	0.010	3.1	30.0
	66 Benzidine	0.759	0.715	0.010	5.8	500.0
	67 Pyrene	1.898	1.996	0.010	5.2	500.0
$	68 Terphenyl-d14	1.203	1.286	0.010	6.9	500.0
	69 Butylbenzylphthalate	1.069	1.137	0.010	6.4	500.0
	70 Benzo(a)anthracene	1.499	1.563	0.010	4.3	500.0
	72 3,3'-Dichlorobenzidine	0.538	0.563	0.010	4.8	500.0
	73 Chrysene	1.293	1.380	0.010	6.7	500.0
	74 bis(2-Ethylhexyl)phthalate	1.449	1.541	0.010	6.3	500.0
	75 Di-n-octylphthalate	2.618	3.318	0.010	26.8	30.0
	76 Benzo(b)fluoranthene	1.463	1.708	0.010	16.8	500.0
	77 Benzo(k)fluoranthene	1.365	1.695	0.010	24.2	500.0
	78 Benzo(a)pyrene	1.269	1.565	0.010	23.3	30.0
	80 Indeno(1,2,3-cd)pyrene	1.206	1.412	0.010	17.1	500.0
	81 Dibenzo(a,h)anthracene	1.136	1.410	0.010	24.1	500.0
	82 Benzo(g,h,i)perylene	1.207	1.449	0.010	20.1	500.0

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1371.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-1994 08:15 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 02-Sep-1994 10:18 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.567	(0.359)	201767	52.797	52.797
	2 Pyridine	79.00	2.595	(0.000)	506100	49.798	49.798(M)
$	3 2-Fluorophenol	112.00	5.502	(0.770)	390995	51.510	51.510
$	4 Phenol-d6	99.00	6.838	(0.957)	362083	51.735	51.735
	5 Aniline	93.00	6.745	(0.944)	533885	51.658	51.658
	6 Phenol	94.00	6.852	(0.959)	457545	52.461	52.461
	7 bis(-2-Chloroethyl)Ether	93.00	6.838	(0.957)	358642	51.132	51.132
	8 2-Chlorophenol	128.00	6.924	(0.969)	350813	52.131	52.131
	9 1,3-Dichlorobenzene	146.00	7.067	(0.989)	368352	53.868	53.868
	10 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	172205	40.000	
	11 1,4-Dichlorobenzene	146.00	7.167	(1.003)	352539	53.323	53.323
	12 Benzyl alcohol	108.00	7.381	(1.033)	217360	49.510	49.510
	13 1,2-Dichlorobenzene	146.00	7.352	(1.029)	348255	54.176	54.176
	14 2-Methylphenol	108.00	7.574	(1.060)	305674	49.807	49.807
	15 Bis(2-chloroisopropyl)ether	45.00	7.517	(1.052)	455158	52.051	52.051
	16 3- & 4-Methylphenol	108.00	7.781	(1.089)	566420	104.512	104.512
	17 N-Nitroso-di-n-propylamine	70.00	7.695	(1.077)	283487	50.459	50.459
	18 Hexachloroethane	117.00	7.774	(1.088)	129638	53.080	53.080
$	19 Nitrobenzene-d5	82.00	7.859	(0.889)	389079	55.389	55.389
	20 Nitrobenzene	77.00	7.888	(0.892)	398252	58.140	58.140
	21 Isophorone	82.00	8.224	(0.930)	707731	50.064	50.064
	22 2-Nitrophenol	139.00	8.309	(0.939)	229170	53.675	53.675
	23 2,4-Dimethyphenol	122.00	8.445	(0.955)	259280	53.138	53.138
	24 bis(-2-Chloroethoxy)methane	93.00	8.531	(0.964)	441838	52.346	52.346
	25 Benzoic Acid	122.00	8.717	(1.220)	137286	40.320	40.320
	26 2,4-Dichlorophenol	162.00	8.702	(0.984)	239785	54.360	54.360
	27 1,2,4-Trichlorobenzene	180.00	8.767	(0.991)	271965	56.544	56.544
*	28 Naphthalene-d8	136.00	8.845	(1.000)	577777	40.000	
	29 Naphthalene	128.00	8.874	(1.003)	863948	54.576	54.576

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.995	(1.017)	388343	54.326	54.326
	31 Hexachlorobutadiene	225.00	9.067	(1.025)	152413	57.772	57.772
	32 4-Chloro-3-Methylphenol	107.00	9.845	(1.113)	273871	51.942	51.942
	33 2-Methylnaphthalene	142.00	9.988	(1.129)	527303	53.960	53.960
	34 Hexachlorocyclopentadiene	237.00	10.259	(0.859)	135357	53.078	53.078
	35 2,4,6-Trichlorophenol	196.00	10.531	(0.882)	145852	51.261	51.261
	36 2,4,5-Trichlorphenol	196.00	10.631	(0.890)	174746	52.751	52.751
$	37 2-Fluorobiphenyl	172.00	10.659	(0.893)	587526	54.192	54.192
	38 2-Chloronaphthalene	162.00	10.859	(0.910)	508748	53.843	53.843
	39 2-Nitroaniline	138.00	11.109	(0.931)	213125	48.890	48.890
	40 Dimethylphthalate	163.00	11.488	(0.962)	576911	49.637	49.637
	41 Acenaphthylene	152.00	11.652	(0.976)	801301	52.579	52.579
	42 2,6-Dinitrotoluene	165.00	11.595	(0.971)	142552	52.498	52.498
	43 3-Nitroaniline	138.00	11.938	(1.000)	154602	47.044	47.044
*	44 Acenaphthene-d10	164.00	11.938	(1.000)	284930	40.000	
	45 Acenaphthene	152.00	12.009	(1.006)	228838	51.494	51.494
	46 2,4-Dinitrophenol	184.00	12.152	(1.018)	42749	28.742	28.742
	47 4-Nitrophenol	109.00	12.495	(1.047)	54883	41.930	41.930
	48 Dibenzofuran	168.00	12.374	(1.036)	676128	50.798	50.798
	49 2,4-Dinitrotoluene	165.00	12.409	(1.039)	186089	50.681	50.681
	50 Fluorene	166.00	13.102	(1.098)	507453	50.521	50.521
	51 Diethylphthalate	149.00	12.981	(1.087)	594271	51.557	51.557
	52 4-Chlorophenyl-phenylether	204.00	13.152	(1.102)	256411	51.664	51.664
	53 4-Nitroaniline	138.00	13.245	(1.109)	147822	45.560	45.560
	54 4,6-Dinitro-o-cresol	198.00	13.281	(0.876)	89078	48.106	48.106
	55 N-nitrosodiphenylamine (1)	169.00	13.431	(0.886)	340656	51.336	51.336
	56 Azobenzene	77.00	13.495	(1.889)	692500	47.328	47.328
$	57 2,4,6-Tribromophenol	330.00	13.638	(1.142)	76316	48.901	48.901
	58 4-Bromophenyl-phenylether	248.00	14.224	(0.938)	128160	53.894	53.894
	59 Hexachlorobenzene	284.00	14.295	(0.943)	144504	53.771	53.771
	60 Pentachlorophenol	266.00	14.809	(0.976)	52169	36.111	36.111(M)
*	61 Phenanthrene-d10	188.00	15.166	(1.000)	402979	40.000	
	62 Phenanthrene	178.00	15.223	(1.004)	653401	51.175	51.175
	63 Anthracene	178.00	15.338	(1.011)	655980	51.806	51.806
	64 Di-n-butylphthalate	149.00	16.752	(1.105)	934396	52.670	52.670
	65 Fluoranthene	202.00	17.988	(1.186)	644624	51.549	51.549
	66 Benzidine	184.00	18.431	(2.579)	153928	47.116	47.116
	67 Pyrene	202.00	18.495	(0.865)	656550	52.605	52.605
$	68 Terphenyl-d14	244.00	19.002	(0.888)	422831	53.425	53.425
	69 Butylbenzylphthalate	149.00	20.280	(0.948)	374043	53.213	53.213
	70 Benzo(a)anthracene	228.00	21.359	(0.999)	514082	52.128	52.128
*	71 Chrysene-d12	240.00	21.388	(1.000)	263081	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.416	(1.001)	185292	52.396	52.396
	73 Chrysene	228.00	21.445	(1.003)	453757	53.357	53.357
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.016)	506622	53.154	53.154
	75 Di-n-octylphthalate	149.00	23.216	(0.947)	846634	63.377	63.377
	76 Benzo(b)fluoranthene	252.00	23.752	(0.969)	435908	58.394	58.394
	77 Benzo(k)fluoranthene	252.00	23.809	(0.971)	432557	62.092	62.092
	78 Benzo(a)pyrene	252.00	24.402	(0.996)	399397	61.652	61.652

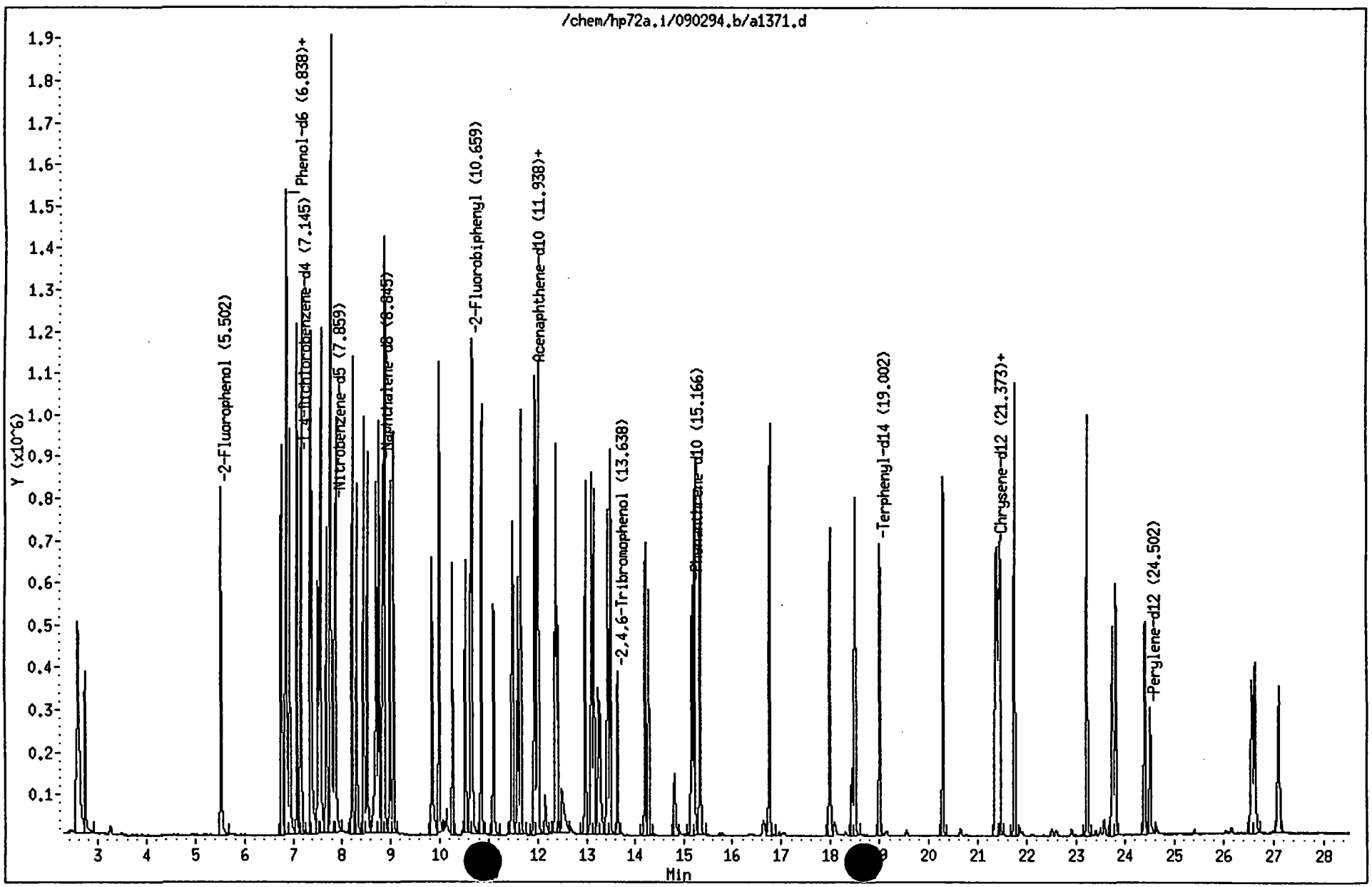
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.509	(1.000)	204133	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.566	(1.084)	360374	58.553	58.553
81 Dibenzo(a,h)anthracene	278.00	26.630	(1.087)	359883	62.054	62.054
82 Benzo(g,h,i)perylene	276.00	27.109	(1.106)	369852	60.052	60.052

QC Flag Legend

M - Compound response manually integrated.

0000244

Data File: /chem/hp72a.i/090294.b/a1371.d
Date : 02-SEP-1994 08:15
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Data File: /chem/hp72a.i/090394.b/a1420.d

Date : 03-SEP-94 13:51

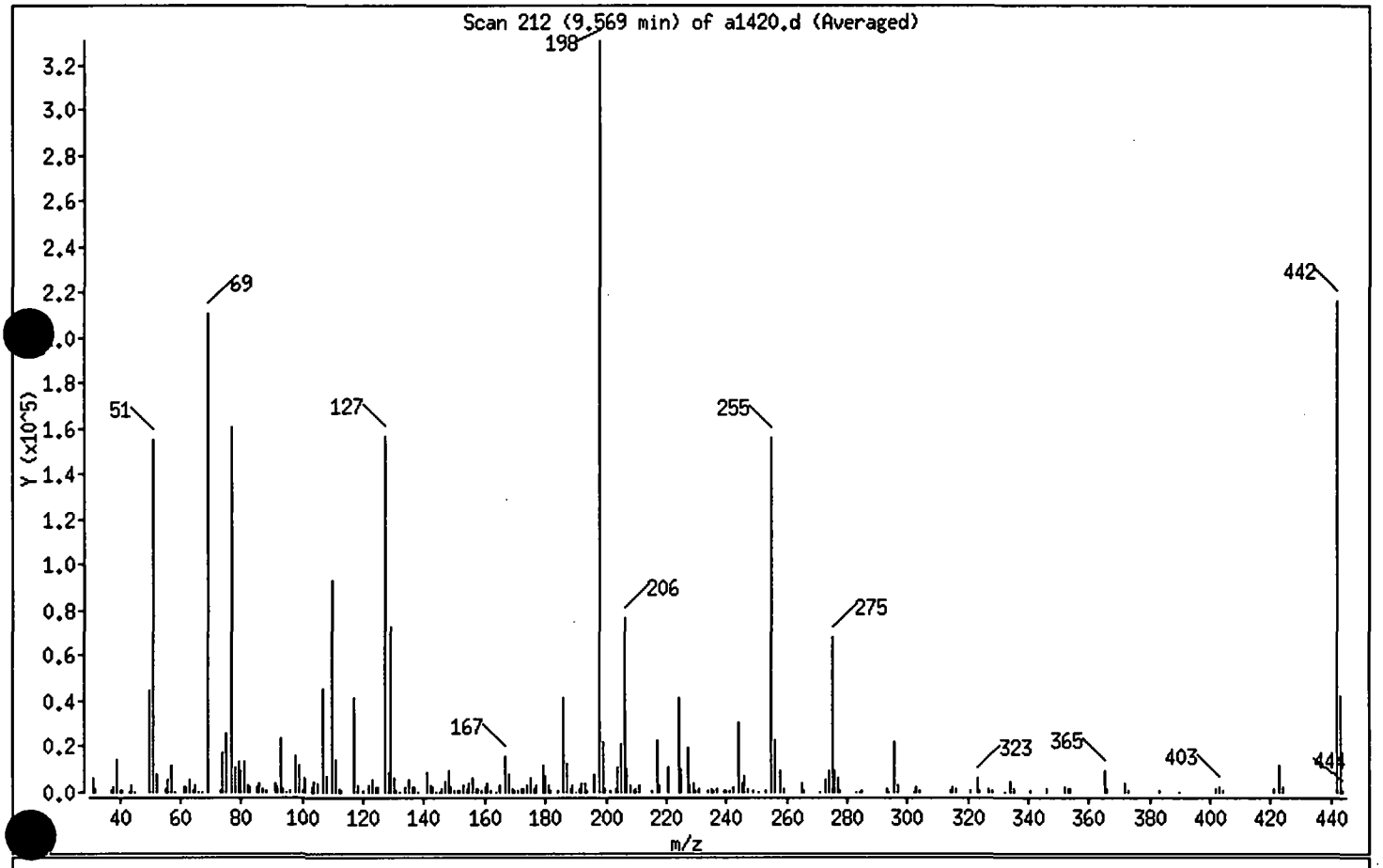
Instrument : hp72a.i

Sample ID :

Column phase : Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	47.0
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	63.8
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	47.3 ✓
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.7
275	10.00 - 30.00% of mass 198	20.7
365	Greater than 1.00% of mass 198	2.9
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	65.5
443	17.00 - 23.00% of mass 442	19.5

Data File: /chem/hp72a.i/090394.b/a1420.d

Date : 03-SEP-94 13:51

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.569 min), Subtraction Scan 205

Location of Maximum: 198.00

Number of points: 217

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	5985	117.00	41221	181.00	3413	258.00	9706
37.00	889	118.00	3217	182.00	663	259.00	1526
38.00	2647	120.00	412	184.00	756	265.00	4190
39.00	14204	122.00	3428	186.00	41440	266.00	395
40.00	747	123.00	5169	187.00	12174	271.00	191
41.00	315	124.00	2386	188.00	1365	273.00	5168
45.00	212	125.00	2278	189.00	3106	274.00	9475
50.00	44392	127.00	156522	190.00	207	275.00	68490
51.00	155648	128.00	8300	191.00	1452	276.00	9134
52.00	8115	129.00	72989	192.00	3986	277.00	6067
55.00	1224	130.00	6102	193.00	3743	278.00	1049
56.00	5418	131.00	1017	194.00	906	283.00	170
57.00	11705	132.00	178	196.00	8131	284.00	208
58.00	224	134.00	2033	198.00	330965	285.00	1061
61.00	2166	135.00	5491	199.00	22288	293.00	1350
62.00	2188	136.00	2190	200.00	1551	294.00	180
63.00	5847	137.00	2728	201.00	663	296.00	21730
64.00	947	138.00	373	202.00	352	297.00	2847
65.00	3008	141.00	8936	203.00	1954	302.00	196
66.00	225	142.00	2952	204.00	11045	303.00	2292
67.00	213	143.00	2050	205.00	20826	304.00	673
69.00	211050	144.00	216	206.00	76677	314.00	994
73.00	600	145.00	271	207.00	9867	315.00	2267
74.00	17179	146.00	1513	208.00	2773	316.00	1200
75.00	26170	147.00	4700	209.00	889	321.00	657
77.00	160704	148.00	9458	210.00	1699	323.00	6513
78.00	11309	149.00	2129	211.00	2831	324.00	1091
79.00	13197	150.00	422	215.00	765	327.00	1410
80.00	9300	151.00	990	217.00	22357	328.00	471
81.00	13184	152.00	508	218.00	2836	332.00	204
82.00	3112	153.00	2790	221.00	11308	334.00	4351
83.00	2686	154.00	1939	224.00	41261	335.00	1195
85.00	2618	155.00	4303	225.00	10418	341.00	708
86.00	3896	156.00	6455	227.00	19648	346.00	1299
87.00	1484	157.00	1213	228.00	3034	352.00	2084

Data File: /chem/hp72a.i/090394.b/a1420.d

Date : 03-SEP-94 13:51

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.569 min), Subtraction Scan 205
Location of Maximum: 198.00
Number of points: 217

m/z	Y	m/z	Y	m/z	Y	m/z	Y
88.00	456	158.00	1490	229.00	3780	353.00	1335
91.00	3537	159.00	1165	230.00	451	354.00	1866
92.00	2112	160.00	2592	231.00	1456	365.00	9537
93.00	23672	161.00	3633	234.00	1147	366.00	1389
94.00	1552	162.00	972	235.00	1286	372.00	3572
95.00	173	164.00	186	236.00	858	373.00	945
96.00	885	165.00	3326	237.00	1311	383.00	893
98.00	15907	167.00	15550	239.00	819	390.00	173
99.00	11799	168.00	7988	240.00	470	402.00	1513
100.00	672	169.00	1387	241.00	936	403.00	2064
101.00	6227	170.00	653	242.00	2148	404.00	600
103.00	2337	171.00	493	244.00	30600	421.00	1637
104.00	4419	172.00	1547	245.00	4161	423.00	12035
105.00	3877	173.00	1870	246.00	6742	424.00	2180
107.00	45205	174.00	3499	247.00	1494	442.00	216661
108.00	6935	175.00	6044	249.00	1067	443.00	42173
110.00	93122	176.00	1621	251.00	168	444.00	1113
111.00	14163	177.00	2917	253.00	933		
112.00	1924	179.00	11884	255.00	156181		
113.00	635	180.00	7172	256.00	22792		

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: m1421.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 03-SEP-94 14:12
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090394.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	1.107	0.010	24.7	500.0
	2 Pyridine	2.361	2.458	0.010	4.1	500.0
$	3 2-Fluorophenol	1.763	1.834	0.010	4.0	500.0
$	4 Phenol-d6	1.626	1.660	0.010	2.1	500.0
	5 Aniline	2.401	2.471	0.010	2.9	500.0
	6 Phenol	2.026	2.099	0.010	3.6	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.666	0.010	2.2	500.0
	8 2-Chlorophenol	1.563	1.589	0.010	1.7	500.0
	9 1,3-Dichlorobenzene	1.588	1.721	0.010	8.4	500.0
	11 1,4-Dichlorobenzene	1.536	1.630	0.010	6.2	30.0
	12 Benzyl alcohol	1.020	0.952	0.010	6.6	500.0
	13 1,2-Dichlorobenzene	1.493	1.623	0.010	8.7	500.0
	14 2-Methylphenol	1.426	1.424	0.010	0.1	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	2.002	0.010	1.4	500.0
	16 3- & 4-Methylphenol	1.259	1.286	0.010	2.1	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.387	0.050	6.3	500.0
	18 Hexachloroethane	0.567	0.654	0.010	15.3	500.0
$	19 Nitrobenzene-d5	0.486	0.571	0.010	17.5	500.0
	20 Nitrobenzene	0.474	0.606	0.010	27.9	500.0
	21 Isophorone	0.979	1.013	0.010	3.5	500.0
	22 2-Nitrophenol	0.296	0.313	0.010	6.0	30.0
	23 2,4-Dimethyphenol	0.338	0.344	0.010	1.9	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.620	0.010	6.2	500.0
	25 Benzoic Acid	0.791	0.675	0.010	14.6	500.0
	26 2,4-Dichlorophenol	0.305	0.342	0.010	12.0	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.380	0.010	14.0	500.0
	29 Naphthalene	1.096	1.176	0.010	7.3	500.0
	30 4-Chloroaniline	0.495	0.536	0.010	8.4	500.0
	31 Hexachlorobutadiene	0.183	0.233	0.010	27.6	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.403	0.010	10.3	30.0
	33 2-Methylnaphthalene	0.677	0.733	0.010	8.4	500.0
	34 Hexachlorocyclopentadiene	0.358	0.401	0.050	12.1	500.0
	35 2,4,6-Trichlorophenol	0.399	0.422	0.010	5.7	30.0
	36 2,4,5-Trichlorphenol	0.465	0.492	0.010	5.8	500.0
$	37 2-Fluorobiphenyl	1.522	1.611	0.010	5.9	500.0
	38 2-Chloronaphthalene	1.326	1.410	0.010	6.3	500.0
	39 2-Nitroaniline	0.612	0.622	0.010	1.6	500.0
	40 Dimethylphthalate	1.632	1.738	0.010	6.5	500.0
	41 Acenaphthylene	2.139	2.233	0.010	4.4	500.0
	42 2,6-Dinitrotoluene	0.381	0.425	0.010	11.4	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: m1421.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 03-SEP-94 14:12
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090394.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.461	0.449	0.010	2.6	500.0
	45 Acenaphthene	0.624	0.651	0.010	4.4	30.0
	46 2,4-Dinitrophenol	0.209	0.159	0.050	23.7	500.0
	47 4-Nitrophenol	0.184	0.203	0.050	10.6	500.0
	48 Dibenzofuran	1.869	1.947	0.010	4.2	500.0
	49 2,4-Dinitrotoluene	0.515	0.568	0.010	10.2	500.0
	50 Fluorene	1.410	1.435	0.010	1.7	500.0
	51 Diethylphthalate	1.618	1.782	0.010	10.1	500.0
	52 4-Chlorophenyl-phenylether	0.697	0.730	0.010	4.8	500.0
	53 4-Nitroaniline	0.455	0.434	0.010	4.7	500.0
	54 4,6-Dinitro-o-cresol	0.184	0.196	0.010	6.4	500.0
	55 N-nitrosodiphenylamine (1)	0.659	0.688	0.010	4.4	30.0
	56 Azobenzene	3.399	3.476	0.010	2.3	500.0
$	57 2,4,6-Tribromophenol	0.219	0.241	0.010	9.9	500.0
	58 4-Bromophenyl-phenylether	0.236	0.254	0.010	7.8	500.0
	59 Hexachlorobenzene	0.267	0.286	0.010	7.3	500.0
	60 Pentachlorophenol	0.143	0.109	0.010	24.1	30.0
	62 Phenanthrene	1.267	1.304	0.010	2.9	500.0
	63 Anthracene	1.257	1.322	0.010	5.2	500.0
	64 Di-n-butylphthalate	1.761	1.894	0.010	7.6	500.0
	65 Fluoranthene	1.241	1.319	0.010	6.3	30.0
	66 Benzidine	0.759	0.562	0.010	26.0	500.0
	67 Pyrene	1.898	2.019	0.010	6.4	500.0
$	68 Terphenyl-d14	1.203	1.321	0.010	9.8	500.0
	69 Butylbenzylphthalate	1.069	1.162	0.010	8.8	500.0
	70 Benzo(a)anthracene	1.499	1.577	0.010	5.2	500.0
	72 3,3'-Dichlorobenzidine	0.538	0.556	0.010	3.5	500.0
	73 Chrysene	1.293	1.385	0.010	7.1	500.0
	74 bis(2-Ethylhexyl)phthalate	1.449	1.543	0.010	6.5	500.0
	75 Di-n-octylphthalate	2.618	3.394	0.010	29.7	30.0
	76 Benzo(b)fluoranthene	1.463	1.742	0.010	19.1	500.0
	77 Benzo(k)fluoranthene	1.365	1.656	0.010	21.3	500.0
	78 Benzo(a)pyrene	1.269	1.580	0.010	24.5	30.0
	80 Indeno(1,2,3-cd)pyrene	1.206	1.362	0.010	13.0	500.0
	81 Dibenzo(a,h)anthracene	1.136	1.414	0.010	24.4	500.0
	82 Benzo(g,h,i)perylene	1.207	1.441	0.010	19.4	500.0

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/m1421.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-SEP-94 14:12 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.595	(0.363)	215592	62.368	62.368
	2 Pyridine	79.00	2.609	(0.000)	478631	52.066	52.066(M)
$	3 2-Fluorophenol	112.00	5.509	(0.771)	357014	51.997	51.997
$	4 Phenol-d6	99.00	6.837	(0.957)	323161	51.046	51.046
	5 Aniline	93.00	6.752	(0.945)	481131	51.467	51.467
	6 Phenol	94.00	6.859	(0.960)	408686	51.804	51.804
	7 bis(-2-Chloroethyl)Ether	93.00	6.837	(0.957)	324351	51.123	51.123
	8 2-Chlorophenol	128.00	6.923	(0.969)	309394	50.828	50.828
	9 1,3-Dichlorobenzene	146.00	7.073	(0.990)	335100	54.177	54.177
	10 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	155766	40.000	
	11 1,4-Dichlorobenzene	146.00	7.173	(1.004)	317438	53.081	53.081
	12 Benzyl alcohol	108.00	7.387	(1.034)	185430	46.694	46.694
	13 1,2-Dichlorobenzene	146.00	7.359	(1.030)	316001	54.347	54.347
	14 2-Methylphenol	108.00	7.580	(1.061)	277297	49.951	49.951
	15 Bis(2-chloroisopropyl)ether	45.00	7.523	(1.053)	389770	49.277	49.277
	16 3- & 4-Methylphenol	108.00	7.787	(1.090)	500708	102.138	102.138
	17 N-Nitroso-di-n-propylamine	70.00	7.709	(1.079)	270098	53.150	53.150
	18 Hexachloroethane	117.00	7.773	(1.088)	127365	57.653	57.653
$	19 Nitrobenzene-d5	82.00	7.866	(0.889)	370962	58.740	58.740
	20 Nitrobenzene	77.00	7.895	(0.893)	393704	63.930	63.930
	21 Isophorone	82.00	8.230	(0.931)	657986	51.771	51.771
	22 2-Nitrophenol	139.00	8.316	(0.940)	203477	53.008	53.008
	23 2,4-Dimethyphenol	122.00	8.452	(0.956)	223602	50.972	50.972
	24 bis(-2-Chloroethoxy)methane	93.00	8.537	(0.965)	402796	53.079	53.079
	25 Benzoic Acid	122.00	8.737	(1.223)	131474	42.689	42.689
	26 2,4-Dichlorophenol	162.00	8.709	(0.985)	221999	55.979	55.979
	27 1,2,4-Trichlorobenzene	180.00	8.766	(0.991)	246539	57.013	57.013
*	28 Naphthalene-d8	136.00	8.845	(1.000)	519450	40.000	(M)
	29 Naphthalene	128.00	8.880	(1.004)	763583	53.652	53.652

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.002	(1.018)	348288	54.194	54.194
	31 Hexachlorobutadiene	225.00	9.073	(1.026)	151322	63.799	63.799
	32 4-Chloro-3-Methylphenol	107.00	9.852	(1.114)	261496	55.164	55.164
	33 2-Methylnaphthalene	142.00	9.995	(1.130)	476188	54.201	54.201
	34 Hexachlorocyclopentadiene	237.00	10.266	(0.859)	130770	56.037	56.037
	35 2,4,6-Trichlorophenol	196.00	10.537	(0.882)	137648	52.866	52.866
	36 2,4,5-Trichlorphenol	196.00	10.637	(0.891)	160330	52.891	52.891
$	37 2-Fluorobiphenyl	172.00	10.666	(0.893)	525120	52.930	52.930
	38 2-Chloronaphthalene	162.00	10.866	(0.910)	459397	53.132	53.132
	39 2-Nitroaniline	138.00	11.116	(0.931)	202680	50.808	50.808
	40 Dimethylphthalate	163.00	11.494	(0.962)	566347	53.249	53.249
	41 Acenaphthylene	152.00	11.659	(0.976)	727704	52.181	52.181
	42 2,6-Dinitrotoluene	165.00	11.602	(0.971)	138391	55.695	55.695
	43 3-Nitroaniline	138.00	11.952	(1.001)	146467	48.704	48.704
*	44 Acenaphthene-d10	164.00	11.944	(1.000)	260735	40.000	
	45 Acenaphthene	152.00	12.016	(1.006)	212329	52.213	52.213
	46 2,4-Dinitrophenol	184.00	12.166	(1.019)	51952	38.171	38.171
	47 4-Nitrophenol	109.00	12.509	(1.047)	66217	55.283	55.283
	48 Dibenzofuran	168.00	12.380	(1.036)	634531	52.097	52.097
	49 2,4-Dinitrotoluene	165.00	12.423	(1.040)	185123	55.096	55.096
	50 Fluorene	166.00	13.109	(1.097)	467603	50.873	50.873
	51 Diethylphthalate	149.00	12.987	(1.087)	580694	55.054	55.054
	52 4-Chlorophenyl-phenylether	204.00	13.159	(1.102)	238052	52.416	52.416
	53 4-Nitroaniline	138.00	13.259	(1.110)	141544	47.673	47.673
	54 4,6-Dinitro-o-cresol	198.00	13.302	(0.876)	94847	53.210	53.210
	55 N-nitrosodiphenylamine (1)	169.00	13.444	(0.886)	333374	52.189	52.189
	56 Azobenzene	77.00	13.502	(1.890)	676799	51.136	51.136
$	57 2,4,6-Tribromophenol	330.00	13.652	(1.143)	78489	54.960	54.960
	58 4-Bromophenyl-phenylether	248.00	14.230	(0.937)	123380	53.898	53.898
	59 Hexachlorobenzene	284.00	14.302	(0.942)	138849	53.672	53.672
	60 Pentachlorophenol	266.00	14.823	(0.976)	52770	37.945	37.945
*	61 Phenanthrene-d10	188.00	15.180	(1.000)	387921	40.000	
	62 Phenanthrene	178.00	15.237	(1.004)	632482	51.459	51.459
	63 Anthracene	178.00	15.352	(1.011)	640895	52.580	52.580
	64 Di-n-butylphthalate	149.00	16.759	(1.104)	918416	53.779	53.779
	65 Fluoranthene	202.00	17.994	(1.185)	639585	53.131	53.131
	66 Benzidine	184.00	18.451	(2.583)	109391	37.017	37.017
	67 Pyrene	202.00	18.501	(0.865)	633063	53.196	53.196
$	68 Terphenyl-d14	244.00	19.009	(0.888)	414326	54.903	54.903
	69 Butylbenzylphthalate	149.00	20.294	(0.949)	364470	54.380	54.380
	70 Benzo(a)anthracene	228.00	21.373	(0.999)	494624	52.600	52.600
*	71 Chrysene-d12	240.00	21.394	(1.000)	250851	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.430	(1.002)	174479	51.743	51.743
	73 Chrysene	228.00	21.458	(1.003)	434135	53.538	53.538
	74 bis(2-Ethylhexyl)phthalate	149.00	21.744	(1.016)	483829	53.237	53.237
	75 Di-n-octylphthalate	149.00	23.223	(0.947)	809666	64.833	64.833
	76 Benzo(b)fluoranthene	252.00	23.758	(0.969)	415570	59.549	59.549
	77 Benzo(k)fluoranthene	252.00	23.823	(0.972)	394988	60.650	60.650
	78 Benzo(a)pyrene	252.00	24.408	(0.996)	376888	62.231	62.231

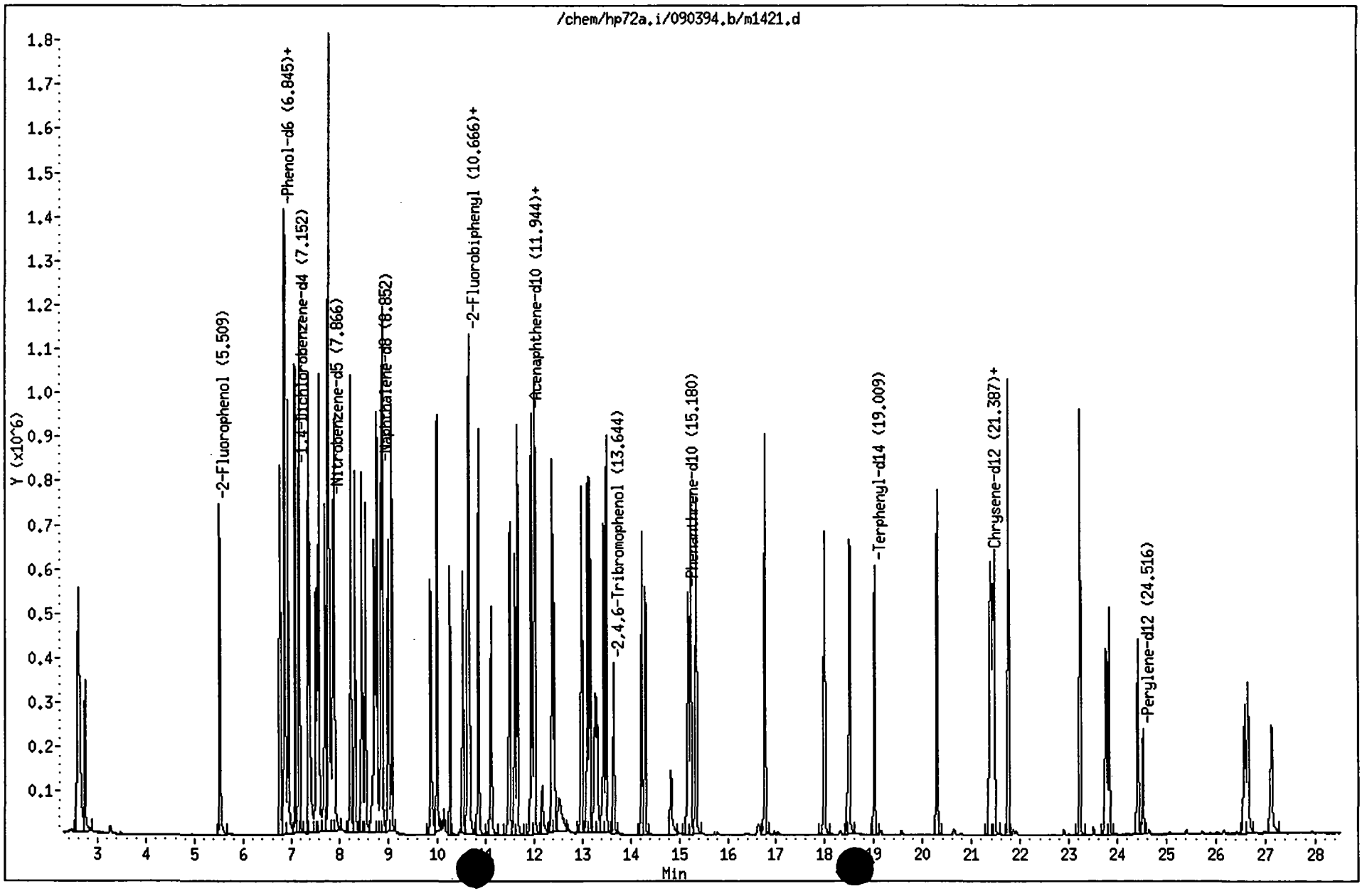
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.516	(1.000)	190835	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.580	(1.084)	324967	56.480	56.480
81 Dibenzo(a,h)anthracene	278.00	26.644	(1.087)	337235	62.201	62.201
82 Benzo(g,h,i)perylene	276.00	27.123	(1.106)	343719	59.698	59.698

QC Flag Legend

M - Compound response manually integrated.

0000253

Data File: /chem/hp72a.i/090394.b/m1421.d
Date : 03-SEP-94 14:12
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Data File: /chem/hp72a.i/090594.b/a1450.d

Date : 05-SEP-94 14:22

Instrument : hp72a.i

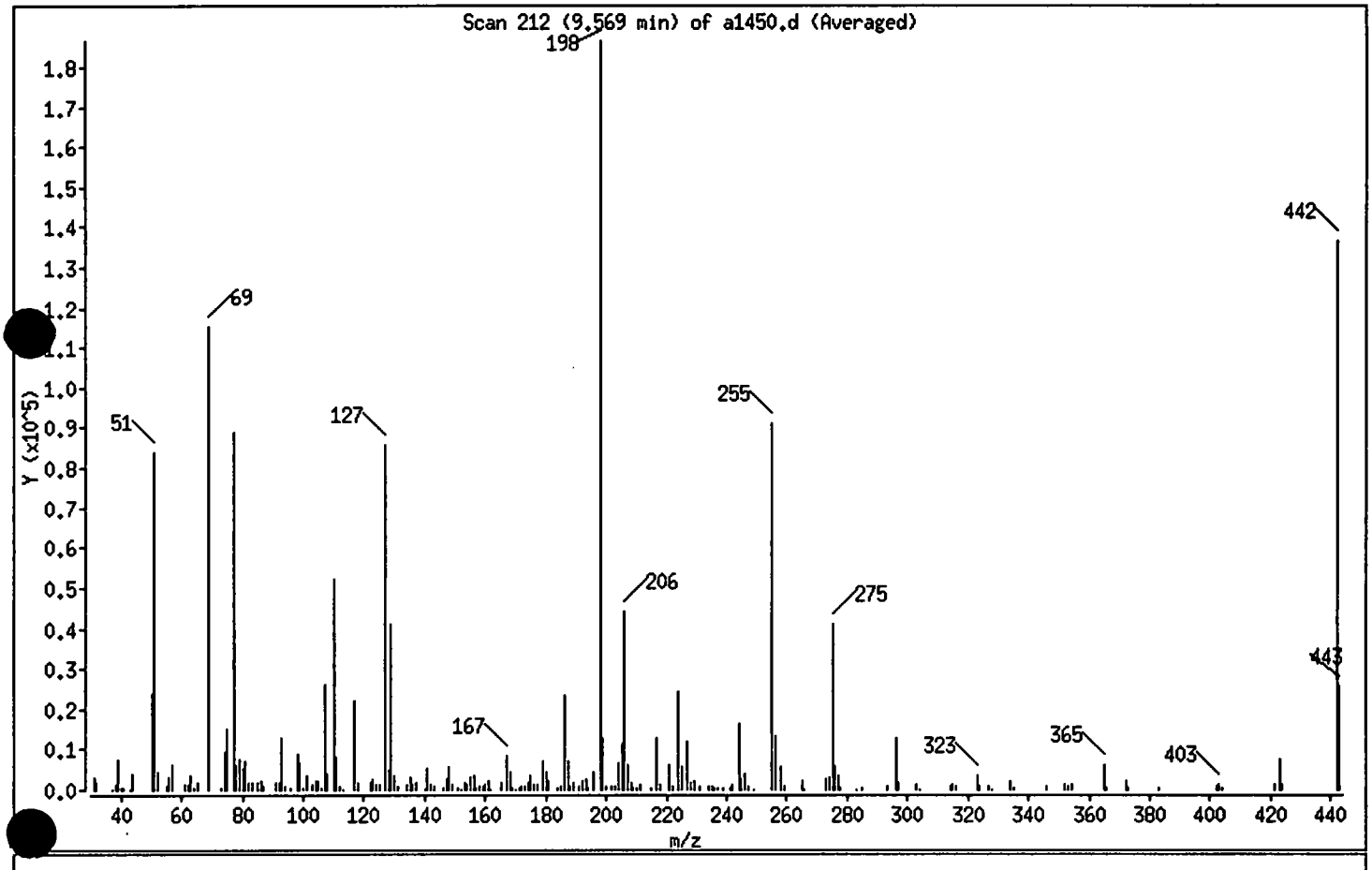
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	45.0
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	61.9
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	46.0
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.9
275	10.00 - 30.00% of mass 198	22.0
365	Greater than 1.00% of mass 198	3.2
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	73.2
443	17.00 - 23.00% of mass 442	18.8

Data File: /chem/hp72a.i/090594.b/a1450.d

Date : 05-SEP-94 14:22

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.569 min), Subtraction Scan 206
Location of Maximum: 198.00
Number of points: 192

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	3065	113.00	183	180.00	4486	255.00	90981
37.00	177	117.00	22234	181.00	2032	256.00	13297
38.00	1371	118.00	1654	184.00	249	258.00	5724
39.00	7300	122.00	1927	185.00	973	259.00	1018
40.00	403	123.00	2763	186.00	23568	265.00	2229
43.00	182	124.00	1403	187.00	6923	266.00	174
50.00	23760	125.00	1132	188.00	763	273.00	2841
51.00	83920	127.00	85773	189.00	1663	274.00	2982
52.00	4290	128.00	4924	191.00	685	275.00	41010
55.00	731	129.00	41010	192.00	2226	276.00	5554
56.00	2974	130.00	3709	193.00	2468	277.00	3745
57.00	6352	131.00	770	194.00	588	278.00	578
61.00	1166	134.00	1154	196.00	4427	283.00	180
62.00	1383	135.00	2885	198.00	186624	285.00	576
63.00	3445	136.00	1273	199.00	12786	293.00	925
64.00	549	137.00	1573	200.00	926	296.00	12892
65.00	1666	140.00	185	202.00	785	297.00	1676
69.00	115509	141.00	5324	203.00	909	303.00	1409
73.00	662	142.00	1464	204.00	6840	304.00	193
74.00	9128	143.00	1105	205.00	11682	314.00	737
75.00	15233	146.00	523	206.00	44157	315.00	1543
77.00	88669	147.00	2545	207.00	6103	316.00	696
78.00	6083	148.00	5531	208.00	1762	323.00	3684
79.00	7343	149.00	1178	209.00	442	324.00	703
80.00	5377	151.00	623	210.00	353	327.00	796
81.00	6895	152.00	172	211.00	1543	328.00	179
82.00	1597	153.00	1565	215.00	635	334.00	2342
83.00	1727	154.00	1209	217.00	12829	335.00	630
85.00	1879	155.00	2960	218.00	1138	346.00	919
86.00	2242	156.00	3364	221.00	6244	352.00	1155
87.00	800	157.00	611	222.00	768	353.00	864
91.00	1918	158.00	908	224.00	24530	354.00	1155
92.00	1886	159.00	695	225.00	5913	365.00	5972
93.00	13001	160.00	1473	227.00	12010	366.00	641
94.00	1005	161.00	2118	228.00	1691	372.00	2202

Data File: /chem/hp72a.i/090594.b/a1450.d

Date : 05-SEP-94 14:22

Instrument : hp72a.i

Sample ID :

Column phase : Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.569 min), Subtraction Scan 206
Location of Maximum: 198.00
Number of points: 192

m/z	Y	m/z	Y	m/z	Y	m/z	Y
96.00	450	162.00	188	229.00	2067	373.00	411
98.00	8763	165.00	1770	231.00	816	383.00	416
99.00	6840	167.00	8435	234.00	803	402.00	1043
100.00	241	168.00	4450	235.00	826	403.00	1256
101.00	3390	169.00	542	236.00	430	404.00	237
103.00	1510	170.00	194	237.00	638	421.00	1150
104.00	2260	171.00	380	239.00	358	423.00	7381
105.00	2092	172.00	834	241.00	599	424.00	1546
106.00	317	173.00	985	242.00	1279	442.00	136693
107.00	26045	174.00	1830	244.00	16245	443.00	25746
108.00	3831	175.00	3341	245.00	2627		
110.00	52330	176.00	1201	246.00	3817		
111.00	8065	177.00	1541	247.00	892		
112.00	851	179.00	7044	249.00	209		

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1451.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 05-SEP-94 14:43
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090594.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	1.076	0.010	21.2	500.0
	2 Pyridine	2.361	2.261	0.010	4.2	500.0
$	3 2-Fluorophenol	1.763	1.709	0.010	3.1	500.0
$	4 Phenol-d6	1.626	1.564	0.010	3.8	500.0
	5 Aniline	2.401	2.237	0.010	6.8	500.0
	6 Phenol	2.026	2.071	0.010	2.2	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.648	0.010	1.1	500.0
	8 2-Chlorophenol	1.563	1.505	0.010	3.7	500.0
	9 1,3-Dichlorobenzene	1.588	1.606	0.010	1.1	500.0
	11 1,4-Dichlorobenzene	1.536	1.541	0.010	0.4	30.0
	12 Benzyl alcohol	1.020	0.765	0.010	25.0	500.0
	13 1,2-Dichlorobenzene	1.493	1.515	0.010	1.5	500.0
	14 2-Methylphenol	1.426	1.317	0.010	7.6	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	1.875	0.010	7.7	500.0
	16 3- & 4-Methylphenol	1.259	1.299	0.010	3.2	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.341	0.050	2.7	500.0
	18 Hexachloroethane	0.567	0.650	0.010	14.5	500.0
$	19 Nitrobenzene-d5	0.486	0.582	0.010	19.7	500.0
	20 Nitrobenzene	0.474	0.590	0.010	24.5	500.0
	21 Isophorone	0.979	1.022	0.010	4.4	500.0
	22 2-Nitrophenol	0.296	0.306	0.010	3.5	30.0
	23 2,4-Dimethyphenol	0.338	0.339	0.010	0.2	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.587	0.010	0.4	500.0
	25 Benzoic Acid	0.791	0.794	0.010	0.4	500.0
	26 2,4-Dichlorophenol	0.305	0.338	0.010	10.8	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.360	0.010	8.1	500.0
	29 Naphthalene	1.096	1.116	0.010	1.9	500.0
	30 4-Chloroaniline	0.495	0.502	0.010	1.4	500.0
	31 Hexachlorobutadiene	0.183	0.236	0.010	29.1	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.426	0.010	16.6	30.0
	33 2-Methylnaphthalene	0.677	0.727	0.010	7.4	500.0
	34 Hexachlorocyclopentadiene	0.358	0.419	0.050	17.1	500.0
	35 2,4,6-Trichlorophenol	0.399	0.397	0.010	0.6	30.0
	36 2,4,5-Trichlorphenol	0.465	0.467	0.010	0.5	500.0
$	37 2-Fluorobiphenyl	1.522	1.519	0.010	0.2	500.0
	38 2-Chloronaphthalene	1.326	1.300	0.010	2.0	500.0
	39 2-Nitroaniline	0.612	0.570	0.010	6.9	500.0
	40 Dimethylphthalate	1.632	1.689	0.010	3.5	500.0
	41 Acenaphthylene	2.139	2.112	0.010	1.3	500.0
	42 2,6-Dinitrotoluene	0.381	0.408	0.010	7.0	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1451.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 05-SEP-94 14:43
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090594.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.461	0.405	0.010	12.3	500.0
	45 Acenaphthene	0.624	0.608	0.010	2.5	30.0
	46 2,4-Dinitrophenol	0.209	0.175	0.050	15.9	500.0
	47 4-Nitrophenol	0.184	0.192	0.050	4.5	500.0
	48 Dibenzofuran	1.869	1.811	0.010	3.1	500.0
	49 2,4-Dinitrotoluene	0.515	0.548	0.010	6.3	500.0
	50 Fluorene	1.410	1.345	0.010	4.6	500.0
	51 Diethylphthalate	1.618	1.672	0.010	3.3	500.0
	52 4-Chlorophenyl-phenylether	0.697	0.700	0.010	0.4	500.0
	53 4-Nitroaniline	0.455	0.403	0.010	11.5	500.0
	54 4,6-Dinitro-o-cresol	0.184	0.185	0.010	0.7	500.0
	55 N-nitrosodiphenylamine (1)	0.659	0.635	0.010	3.7	30.0
	56 Azobenzene	3.399	3.517	0.010	3.5	500.0
$	57 2,4,6-Tribromophenol	0.219	0.236	0.010	7.7	500.0
	58 4-Bromophenyl-phenylether	0.236	0.244	0.010	3.5	500.0
	59 Hexachlorobenzene	0.267	0.270	0.010	1.1	500.0
	60 Pentachlorophenol	0.143	0.124	0.010	13.4	30.0
	62 Phenanthrene	1.267	1.183	0.010	6.7	500.0
	63 Anthracene	1.257	1.174	0.010	6.6	500.0
	64 Di-n-butylphthalate	1.761	1.721	0.010	2.3	500.0
	65 Fluoranthene	1.241	1.164	0.010	6.2	30.0
	66 Benzidine	0.759	0.508	0.010	33.0	500.0
	67 Pyrene	1.898	1.794	0.010	5.4	500.0
$	68 Terphenyl-d14	1.203	1.153	0.010	4.2	500.0
	69 Butylbenzylphthalate	1.069	1.034	0.010	3.3	500.0
	70 Benzo(a)anthracene	1.499	1.398	0.010	6.8	500.0
	72 3,3'-Dichlorobenzidine	0.538	0.477	0.010	11.3	500.0
	73 Chrysene	1.293	1.184	0.010	8.4	500.0
	74 bis(2-Ethylhexyl)phthalate	1.449	1.389	0.010	4.2	500.0
	75 Di-n-octylphthalate	2.618	2.877	0.010	9.9	30.0
	76 Benzo(b)fluoranthene	1.463	1.481	0.010	1.2	500.0
	77 Benzo(k)fluoranthene	1.365	1.410	0.010	3.3	500.0
	78 Benzo(a)pyrene	1.269	1.280	0.010	0.8	30.0
	80 Indeno(1,2,3-cd)pyrene	1.206	1.094	0.010	9.3	500.0
	81 Dibenzo(a,h)anthracene	1.136	1.145	0.010	0.8	500.0
	82 Benzo(g,h,i)perylene	1.207	1.111	0.010	7.9	500.0

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1451.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 14:43 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.604	(0.364)	197176	60.588	60.588
	2 Pyridine	79.00	2.618	(0.000)	414536	47.898	47.898(M)
$	3 2-Fluorophenol	112.00	5.511	(0.771)	313225	48.457	48.457
$	4 Phenol-d6	99.00	6.840	(0.957)	286602	48.087	48.087
	5 Aniline	93.00	6.754	(0.945)	410079	46.595	46.595
	6 Phenol	94.00	6.861	(0.960)	379668	51.119	51.119
	7 bis(-2-Chloroethyl)Ether	93.00	6.840	(0.957)	302016	50.564	50.564
	8 2-Chlorophenol	128.00	6.925	(0.969)	275844	48.135	48.135
	9 1,3-Dichlorobenzene	146.00	7.068	(0.989)	294338	50.547	50.547
	10 1,4-Dichlorobenzene-d4	152.00	7.147	(1.000)	146645	40.000	
	11 1,4-Dichlorobenzene	146.00	7.168	(1.003)	282511	50.179	50.179
	12 Benzyl alcohol	108.00	7.390	(1.034)	140244	37.512	37.512
	13 1,2-Dichlorobenzene	146.00	7.354	(1.029)	277689	50.728	50.728
	14 2-Methylphenol	108.00	7.582	(1.061)	241364	46.183	46.183
	15 Bis(2-chloroisopropyl)ether	45.00	7.518	(1.052)	343638	46.147	46.147
	16 3- & 4-Methylphenol	108.00	7.790	(1.090)	476120	103.163	103.163
	17 N-Nitroso-di-n-propylamine	70.00	7.711	(1.079)	245789	51.374	51.374
	18 Hexachloroethane	117.00	7.775	(1.088)	119062	57.247	57.247
$	19 Nitrobenzene-d5	82.00	7.868	(0.889)	353117	59.846	59.846
	20 Nitrobenzene	77.00	7.897	(0.893)	358055	62.231	62.231
	21 Isophorone	82.00	8.232	(0.931)	620033	52.216	52.216
	22 2-Nitrophenol	139.00	8.318	(0.940)	185659	51.768	51.768
	23 2,4-Dimethyphenol	122.00	8.454	(0.956)	205373	50.109	50.109
	24 bis(-2-Chloroethoxy)methane	93.00	8.532	(0.964)	356007	50.213	50.213
	25 Benzoic Acid	122.00	8.747	(1.224)	145579	50.208	50.208
	26 2,4-Dichlorophenol	162.00	8.711	(0.985)	205243	55.394	55.394
	27 1,2,4-Trichlorobenzene	180.00	8.768	(0.991)	218372	54.051	54.051
*	28 Naphthalene-d8	136.00	8.847	(1.000)	485317	40.000	
	29 Naphthalene	128.00	8.882	(1.004)	677245	50.933	50.933

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	9.004	(1.018)	304551	50.721	50.721
	31 Hexachlorobutadiene	225.00	9.075	(1.026)	143036	64.547	64.547
	32 4-Chloro-3-Methylphenol	107.00	9.854	(1.114)	258217	58.303	58.303
	33 2-Methylnaphthalene	142.00	9.990	(1.129)	440939	53.719	53.719
	34 Hexachlorocyclopentadiene	237.00	10.268	(0.859)	138242	58.531	58.531
	35 2,4,6-Trichlorophenol	196.00	10.540	(0.882)	130990	49.708	49.708
	36 2,4,5-Trichlorphenol	196.00	10.640	(0.891)	154114	50.232	50.232
$	37 2-Fluorobiphenyl	172.00	10.668	(0.893)	500985	49.894	49.894
	38 2-Chloronaphthalene	162.00	10.868	(0.910)	428823	49.002	49.002
	39 2-Nitroaniline	138.00	11.118	(0.931)	188007	46.566	46.566
	40 Dimethylphthalate	163.00	11.497	(0.962)	557204	51.763	51.763
	41 Acenaphthylene	152.00	11.661	(0.976)	696573	49.351	49.351
	42 2,6-Dinitrotoluene	165.00	11.604	(0.971)	134535	53.496	53.496
	43 3-Nitroaniline	138.00	11.961	(1.001)	133536	43.873	43.873
*	44 Acenaphthene-d10	164.00	11.947	(1.000)	263891	40.000	
	45 Acenaphthene	152.00	12.018	(1.006)	200700	48.763	48.763
	46 2,4-Dinitrophenol	184.00	12.168	(1.019)	57890	42.025	42.025
	47 4-Nitrophenol	109.00	12.532	(1.049)	63368	52.272	52.272
	48 Dibenzofuran	168.00	12.382	(1.036)	597441	48.465	48.465
	49 2,4-Dinitrotoluene	165.00	12.432	(1.041)	180735	53.147	53.147
	50 Fluorene	166.00	13.111	(1.097)	443731	47.699	47.699
	51 Diethylphthalate	149.00	12.989	(1.087)	551405	51.652	51.652
	52 4-Chlorophenyl-phenylether	204.00	13.161	(1.102)	230787	50.209	50.209
	53 4-Nitroaniline	138.00	13.268	(1.111)	133022	44.267	44.267
	54 4,6-Dinitro-o-cresol	198.00	13.304	(0.876)	92893	50.330	50.330
	55 N-nitrosodiphenylamine (1)	169.00	13.447	(0.886)	318597	48.169	48.169
	56 Azobenzene	77.00	13.504	(1.889)	644664	51.738	51.738
$	57 2,4,6-Tribromophenol	330.00	13.654	(1.143)	77862	53.869	53.869
	58 4-Bromophenyl-phenylether	248.00	14.232	(0.937)	122719	51.774	51.774
	59 Hexachlorobenzene	284.00	14.311	(0.943)	135440	50.563	50.563
	60 Pentachlorophenol	266.00	14.825	(0.976)	62378	43.319	43.319(M)
*	61 Phenanthrene-d10	188.00	15.182	(1.000)	401667	40.000	
	62 Phenanthrene	178.00	15.239	(1.004)	593796	46.658	46.658
	63 Anthracene	178.00	15.354	(1.011)	589521	46.710	46.710
	64 Di-n-butylphthalate	149.00	16.761	(1.104)	864012	48.862	48.862
	65 Fluoranthene	202.00	17.996	(1.185)	584289	46.877	46.877
	66 Benzidine	184.00	18.454	(2.582)	93166	33.488	33.488
	67 Pyrene	202.00	18.511	(0.865)	590417	47.276	47.276
$	68 Terphenyl-d14	244.00	19.018	(0.889)	379450	47.914	47.914
	69 Butylbenzylphthalate	149.00	20.296	(0.948)	340186	48.366	48.366
	70 Benzo(a)anthracene	228.00	21.382	(0.999)	459962	46.611	46.611
*	71 Chrysene-d12	240.00	21.404	(1.000)	263248	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.432	(1.001)	156895	44.337	44.337
	73 Chrysene	228.00	21.468	(1.003)	389649	45.789	45.789
	74 bis(2-Ethylhexyl)phthalate	149.00	21.746	(1.016)	457076	47.925	47.925
	75 Di-n-octylphthalate	149.00	23.225	(0.947)	748160	54.952	54.952
	76 Benzo(b)fluoranthene	252.00	23.768	(0.969)	385064	50.613	50.613
	77 Benzo(k)fluoranthene	252.00	23.832	(0.972)	366703	51.649	51.649
	78 Benzo(a)pyrene	252.00	24.418	(0.996)	332894	50.420	50.420

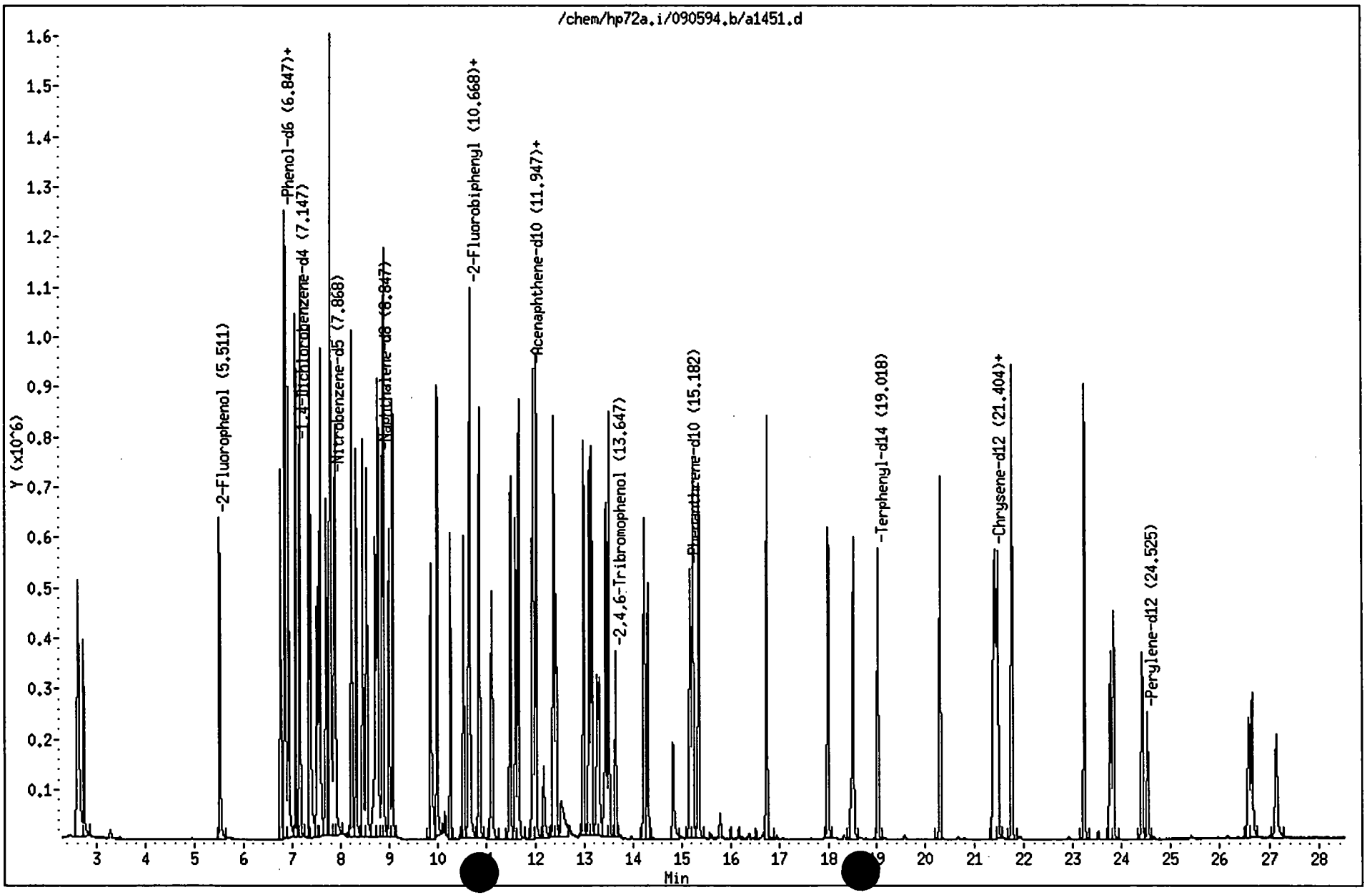
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.525	(1.000)	208045	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.589	(1.084)	284497	45.356	45.356
81 Dibenzo(a,h)anthracene	278.00	26.653	(1.087)	297887	50.398	50.398
82 Benzo(g,h,i)perylene	276.00	27.132	(1.106)	289006	46.043	46.043

QC Flag Legend

M - Compound response manually integrated.

0000262

Data File: /chem/hp72a.i/090594.b/a1451.d
Date : 05-SEP-94 14:43
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Data File: /chem/hp72a.i/090694.b/a1470.d

Date : 06-SEP-94 10:35

Instrument : hp72a.i

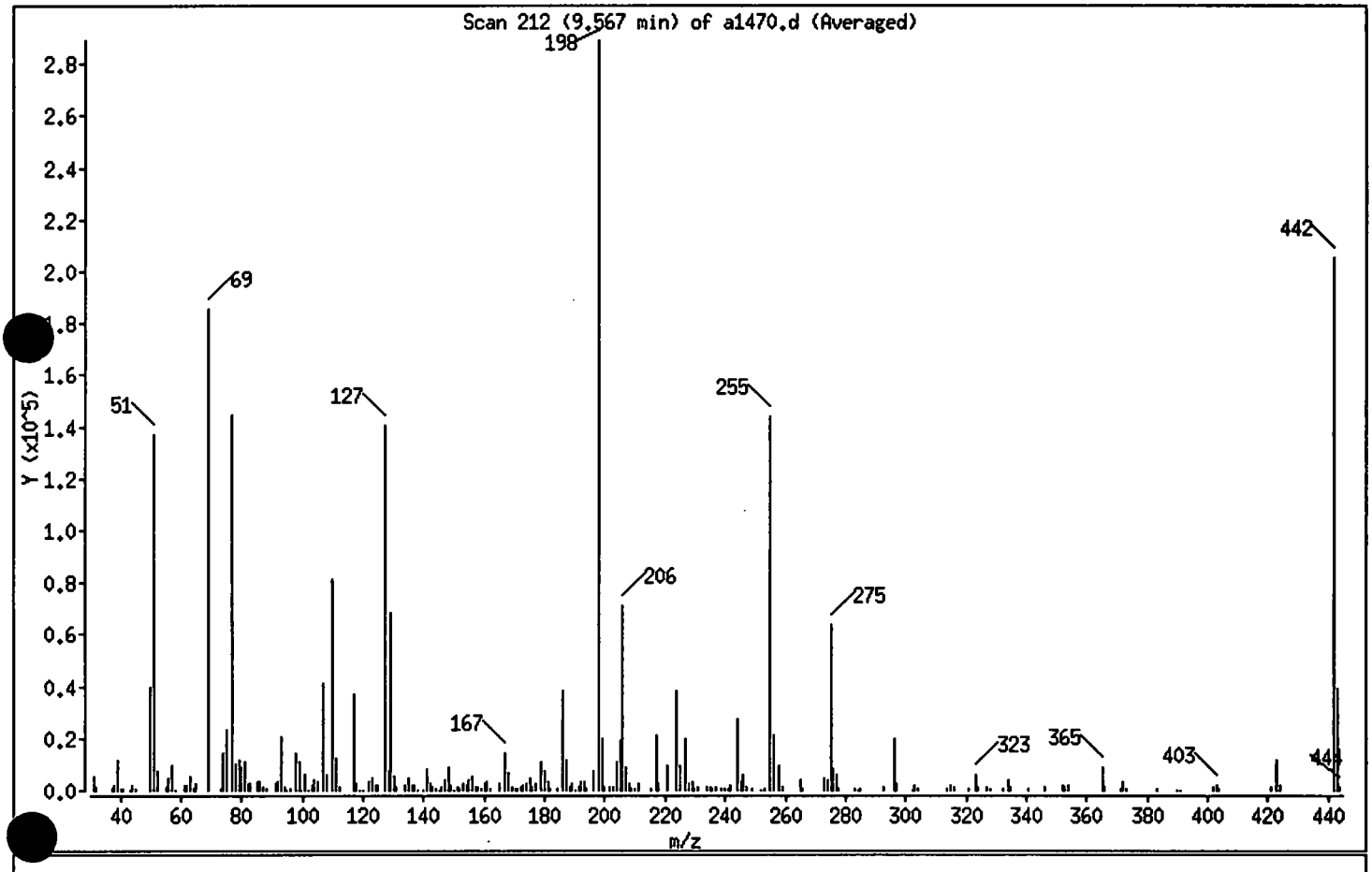
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	47.3
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	64.2
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	48.6
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.8
275	10.00 - 30.00% of mass 198	22.1 ✓
365	Greater than 1.00% of mass 198	3.2
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	71.0
443	17.00 - 23.00% of mass 442	19.0

Data File: /chem/hp72a.i/090694.b/a1470.d

Date : 06-SEP-94 10:35

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.567 min), Subtraction Scan 205

Location of Maximum: 198.00

Number of points: 214

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	5302	118.00	2841	181.00	3352	258.00	9604
37.00	611	119.00	201	182.00	499	259.00	1369
38.00	2162	120.00	199	184.00	738	265.00	4133
39.00	11725	122.00	3160	186.00	38208	266.00	439
40.00	465	123.00	4676	187.00	11812	273.00	4660
43.00	200	124.00	2119	188.00	1220	274.00	4054
45.00	598	125.00	1779	189.00	2737	275.00	63733
50.00	39730	127.00	140498	190.00	173	276.00	7989
51.00	136634	128.00	7536	191.00	1060	277.00	6496
52.00	7500	129.00	68221	192.00	3766	278.00	969
55.00	1353	130.00	5173	193.00	3594	283.00	460
56.00	4861	131.00	1066	194.00	635	284.00	240
57.00	9833	134.00	1918	196.00	7360	285.00	1006
58.00	245	135.00	5034	198.00	288960	293.00	1196
61.00	1801	136.00	1731	199.00	19526	296.00	19997
62.00	2306	137.00	2361	200.00	1638	297.00	2773
63.00	5387	138.00	259	202.00	1033	302.00	167
64.00	842	140.00	187	203.00	1547	303.00	2080
65.00	2485	141.00	8318	204.00	11117	304.00	771
69.00	185410	142.00	2642	205.00	18859	314.00	947
73.00	802	143.00	1664	206.00	71050	315.00	2320
74.00	14457	144.00	359	207.00	9041	316.00	1130
75.00	23546	145.00	185	208.00	2515	321.00	391
77.00	144512	146.00	1319	209.00	915	323.00	6075
78.00	10022	147.00	3919	210.00	759	324.00	1184
79.00	11925	148.00	8949	211.00	2877	327.00	1331
80.00	8864	149.00	1817	215.00	908	328.00	448
81.00	11183	150.00	215	217.00	20893	332.00	427
82.00	2794	151.00	1156	218.00	2532	334.00	3860
83.00	2447	152.00	446	221.00	9299	335.00	1054
85.00	3120	153.00	2663	224.00	38413	341.00	444
86.00	3385	154.00	1888	225.00	9626	346.00	1309
87.00	1602	155.00	3917	227.00	19593	352.00	1804
88.00	668	156.00	5708	228.00	2614	353.00	1320
91.00	3000	157.00	1120	229.00	3503	354.00	2000

Data File: /chem/hp72a.i/090694.b/a1470.d

Date : 06-SEP-94 10:35

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 212-214 (9.567 min), Subtraction Scan 205

Location of Maximum: 198.00

Number of points: 214

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	3086	158.00	1492	230.00	404	365.00	9103
93.00	20713	159.00	1016	231.00	1360	366.00	1292
94.00	1338	160.00	2416	234.00	1181	371.00	404
95.00	168	161.00	3461	235.00	1130	372.00	3190
96.00	798	162.00	993	236.00	830	373.00	715
98.00	14566	165.00	2792	237.00	1077	383.00	742
99.00	11189	167.00	14686	239.00	746	390.00	212
100.00	198	168.00	7076	240.00	401	391.00	178
101.00	5958	169.00	1264	241.00	903	402.00	1332
102.00	186	170.00	470	242.00	2048	403.00	2057
103.00	1946	171.00	802	244.00	27338	404.00	613
104.00	3990	172.00	1538	245.00	3681	421.00	1649
105.00	3321	173.00	1821	246.00	6295	423.00	11458
107.00	41189	174.00	2986	247.00	1224	424.00	2100
108.00	6049	175.00	5056	249.00	990	442.00	205184
110.00	81442	176.00	1593	252.00	243	443.00	39024
111.00	12438	177.00	2669	253.00	775	444.00	1346
112.00	1481	179.00	11078	255.00	143554		
117.00	37298	180.00	7270	256.00	21245		

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1471.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 06-SEP-94 10:55
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090694.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	1.168	0.010	31.6	500.0
	2 Pyridine	2.361	2.326	0.010	1.5	500.0
$	3 2-Fluorophenol	1.763	1.747	0.010	0.9	500.0
$	4 Phenol-d6	1.626	1.656	0.010	1.9	500.0
	5 Aniline	2.401	2.281	0.010	5.0	500.0
	6 Phenol	2.026	2.005	0.010	1.0	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.600	0.010	1.8	500.0
	8 2-Chlorophenol	1.563	1.549	0.010	0.9	500.0
	9 1,3-Dichlorobenzene	1.588	1.630	0.010	2.6	500.0
	11 1,4-Dichlorobenzene	1.536	1.542	0.010	0.4	30.0
	12 Benzyl alcohol	1.020	0.837	0.010	17.9	500.0
	13 1,2-Dichlorobenzene	1.493	1.523	0.010	2.0	500.0
	14 2-Methylphenol	1.426	1.388	0.010	2.7	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	2.087	0.010	2.7	500.0
	16 3- & 4-Methylphenol	1.259	1.267	0.010	0.6	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.459	0.050	11.8	500.0
	18 Hexachloroethane	0.567	0.645	0.010	13.7	500.0
$	19 Nitrobenzene-d5	0.486	0.586	0.010	20.5	500.0
	20 Nitrobenzene	0.474	0.608	0.010	28.2	500.0
	21 Isophorone	0.979	1.064	0.010	8.7	500.0
	22 2-Nitrophenol	0.296	0.310	0.010	5.0	30.0
	23 2,4-Dimethyphenol	0.338	0.342	0.010	1.2	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.599	0.010	2.5	500.0
	25 Benzoic Acid	0.791	0.826	0.010	4.4	500.0
	26 2,4-Dichlorophenol	0.305	0.337	0.010	10.4	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.348	0.010	4.6	500.0
	29 Naphthalene	1.096	1.095	0.010	0.1	500.0
	30 4-Chloroaniline	0.495	0.452	0.010	8.7	500.0
	31 Hexachlorobutadiene	0.183	0.233	0.010	27.8	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.443	0.010	21.4	30.0
	33 2-Methylnaphthalene	0.677	0.717	0.010	6.1	500.0
	34 Hexachlorocyclopentadiene	0.358	0.421	0.050	17.7	500.0
	35 2,4,6-Trichlorophenol	0.399	0.408	0.010	2.1	30.0
	36 2,4,5-Trichlorphenol	0.465	0.472	0.010	1.5	500.0
$	37 2-Fluorobiphenyl	1.522	1.507	0.010	1.0	500.0
	38 2-Chloronaphthalene	1.326	1.291	0.010	2.7	500.0
	39 2-Nitroaniline	0.612	0.577	0.010	5.6	500.0
	40 Dimethylphthalate	1.632	1.674	0.010	2.6	500.0
	41 Acenaphthylene	2.139	2.058	0.010	3.8	500.0
	42 2,6-Dinitrotoluene	0.381	0.403	0.010	5.8	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1471.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 06-SEP-94 10:55
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090694.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.461	0.392	0.010	14.9	500.0
	45 Acenaphthene	0.624	0.603	0.010	3.4	30.0
	46 2,4-Dinitrophenol	0.209	0.198	0.050	5.1	500.0
	47 4-Nitrophenol	0.184	0.242	0.050	31.8	500.0
	48 Dibenzofuran	1.869	1.791	0.010	4.2	500.0
	49 2,4-Dinitrotoluene	0.515	0.547	0.010	6.2	500.0
	50 Fluorene	1.410	1.335	0.010	5.3	500.0
	51 Diethylphthalate	1.618	1.753	0.010	8.4	500.0
	52 4-Chlorophenyl-phenylether	0.697	0.692	0.010	0.6	500.0
	53 4-Nitroaniline	0.455	0.372	0.010	18.3	500.0
	54 4,6-Dinitro-o-cresol	0.184	0.196	0.010	6.7	500.0
	55 N-nitrosodiphenylamine (1)	0.659	0.621	0.010	5.8	30.0
	56 Azobenzene	3.399	3.765	0.010	10.8	500.0
$	57 2,4,6-Tribromophenol	0.219	0.233	0.010	6.3	500.0
	58 4-Bromophenyl-phenylether	0.236	0.239	0.010	1.3	500.0
	59 Hexachlorobenzene	0.267	0.265	0.010	0.7	500.0
	60 Pentachlorophenol	0.143	0.129	0.010	10.1	30.0
	62 Phenanthrene	1.267	1.154	0.010	8.9	500.0
	63 Anthracene	1.257	1.173	0.010	6.7	500.0
	64 Di-n-butylphthalate	1.761	1.678	0.010	4.7	500.0
	65 Fluoranthene	1.241	1.150	0.010	7.4	30.0
	66 Benzidine	0.759	0.440	0.010	42.0	500.0
	67 Pyrene	1.898	1.756	0.010	7.5	500.0
$	68 Terphenyl-d14	1.203	1.172	0.010	2.6	500.0
	69 Butylbenzylphthalate	1.069	1.043	0.010	2.4	500.0
	70 Benzo(a)anthracene	1.499	1.367	0.010	8.8	500.0
	72 3,3'-Dichlorobenzidine	0.538	0.442	0.010	17.8	500.0
	73 Chrysene	1.293	1.162	0.010	10.1	500.0
	74 bis(2-Ethylhexyl)phthalate	1.449	1.366	0.010	5.7	500.0
	75 Di-n-octylphthalate	2.618	2.921	0.010	11.6	30.0
	76 Benzo(b)fluoranthene	1.463	1.457	0.010	0.4	500.0
	77 Benzo(k)fluoranthene	1.365	1.400	0.010	2.6	500.0
	78 Benzo(a)pyrene	1.269	1.263	0.010	0.5	30.0
	80 Indeno(1,2,3-cd)pyrene	1.206	1.064	0.010	11.7	500.0
	81 Dibenzo(a,h)anthracene	1.136	1.132	0.010	0.4	500.0
	82 Benzo(g,h,i)perylene	1.207	1.160	0.010	3.8	500.0

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090694.b/a1471.d
Lab. Id. : Quant Type: ISTD
Inj Date : 06-SEP-94 10:55 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090694.b/ccal02.m
Meth Date : 06-Sep-1994 11:28
Cal Date : 06-SEP-94 10:55 Cal File: a1471.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.602	(0.364)	217022	65.802	65.802
	2 Pyridine	79.00	2.610	(0.000)	432119	49.268	49.268(M)
$	3 2-Fluorophenol	112.00	5.502	(0.770)	324495	49.534	49.534
$	4 Phenol-d6	99.00	6.831	(0.956)	307599	50.926	50.926
	5 Aniline	93.00	6.752	(0.945)	423792	47.514	47.514
	6 Phenol	94.00	6.852	(0.959)	372424	49.479	49.479
	7 bis(-2-Chloroethyl)Ether	93.00	6.838	(0.957)	297214	49.100	49.100
	8 2-Chlorophenol	128.00	6.924	(0.969)	287843	49.563	49.563
	9 1,3-Dichlorobenzene	146.00	7.067	(0.989)	302760	51.303	51.303
	10 1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	148616	40.000	
	11 1,4-Dichlorobenzene	146.00	7.167	(1.003)	286530	50.218	50.218
	12 Benzyl alcohol	108.00	7.388	(1.034)	155570	41.060	41.060
	13 1,2-Dichlorobenzene	146.00	7.352	(1.029)	282839	50.984	50.984
	14 2-Methylphenol	108.00	7.574	(1.060)	257786	48.671	48.671
	15 Bis(2-chloroisopropyl)ether	45.00	7.516	(1.052)	387622	51.363	51.363
	16 3- & 4-Methylphenol	108.00	7.781	(1.089)	470594	100.613	100.613
	17 N-Nitroso-di-n-propylamine	70.00	7.709	(1.079)	271096	55.913	55.913
	18 Hexachloroethane	117.00	7.774	(1.088)	119834	56.854	56.854
$	19 Nitrobenzene-d5	82.00	7.867	(0.889)	376966	60.269	60.269
	20 Nitrobenzene	77.00	7.888	(0.892)	390872	64.085	64.085
	21 Isophorone	82.00	8.231	(0.931)	684041	54.342	54.342
	22 2-Nitrophenol	139.00	8.316	(0.940)	199593	52.500	52.500
	23 2,4-Dimethyphenol	122.00	8.445	(0.955)	219846	50.601	50.601
	24 bis(-2-Chloroethoxy)methane	93.00	8.531	(0.964)	385198	51.252	51.252
	25 Benzoic Acid	122.00	8.752	(1.225)	153420	52.211	52.211
	26 2,4-Dichlorophenol	162.00	8.709	(0.985)	216864	55.214	55.214
	27 1,2,4-Trichlorobenzene	180.00	8.766	(0.991)	224082	52.322	52.322
*	28 Naphthalene-d8	136.00	8.845	(1.000)	514466	40.000	
	29 Naphthalene	128.00	8.881	(1.004)	704294	49.966	49.966

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.995	(1.017)	290626	45.660	45.660
	31 Hexachlorobutadiene	225.00	9.066	(1.025)	150086	63.891	63.891
	32 4-Chloro-3-Methylphenol	107.00	9.852	(1.114)	285077	60.721	60.721
	33 2-Methylnaphthalene	142.00	9.988	(1.129)	461398	53.027	53.027
	34 Hexachlorocyclopentadiene	237.00	10.259	(0.859)	148264	58.850	58.850
	35 2,4,6-Trichlorophenol	196.00	10.531	(0.882)	143431	51.026	51.026
	36 2,4,5-Trichlorphenol	196.00	10.631	(0.890)	166122	50.761	50.761
$	37 2-Fluorobiphenyl	172.00	10.666	(0.893)	530344	49.516	49.516
	38 2-Chloronaphthalene	162.00	10.859	(0.909)	454280	48.666	48.666
	39 2-Nitroaniline	138.00	11.116	(0.931)	203190	47.181	47.181
	40 Dimethylphthalate	163.00	11.488	(0.962)	589138	51.309	51.309
	41 Acenaphthylene	152.00	11.659	(0.976)	723975	48.086	48.086
	42 2,6-Dinitrotoluene	165.00	11.602	(0.971)	141917	52.903	52.903
	43 3-Nitroaniline	138.00	11.952	(1.001)	138099	42.536	42.536
*	44 Acenaphthene-d10	164.00	11.945	(1.000)	281487	40.000	
	45 Acenaphthene	152.00	12.009	(1.005)	211999	48.288	48.288
	46 2,4-Dinitrophenol	184.00	12.166	(1.019)	69757	47.474	47.474
	47 4-Nitrophenol	109.00	12.516	(1.048)	85246	65.923	65.923(MH)
	48 Dibenzofuran	168.00	12.374	(1.036)	630084	47.918	47.918
	49 2,4-Dinitrotoluene	165.00	12.424	(1.040)	192538	53.078	53.078
	50 Fluorene	166.00	13.102	(1.097)	469689	47.333	47.333
	51 Diethylphthalate	149.00	12.988	(1.087)	616984	54.182	54.182
	52 4-Chlorophenyl-phenylether	204.00	13.152	(1.101)	243656	49.695	49.695
	53 4-Nitroaniline	138.00	13.266	(1.111)	130892	40.835	40.835
	54 4,6-Dinitro-o-cresol	198.00	13.302	(0.877)	103768	53.350	53.350
	55 N-nitrosodiphenylamine (1)	169.00	13.438	(0.886)	328403	47.115	47.115
	56 Azobenzene	77.00	13.495	(1.889)	699370	55.384	55.384
$	57 2,4,6-Tribromophenol	330.00	13.645	(1.142)	81981	53.173	53.173
	58 4-Bromophenyl-phenylether	248.00	14.231	(0.938)	126515	50.649	50.649
	59 Hexachlorobenzene	284.00	14.302	(0.943)	140086	49.626	49.626
	60 Pentachlorophenol	266.00	14.816	(0.976)	68188	44.934	44.934
*	61 Phenanthrene-d10	188.00	15.173	(1.000)	423291	40.000	
	62 Phenanthrene	178.00	15.231	(1.004)	610692	45.534	45.534
	63 Anthracene	178.00	15.352	(1.012)	620449	46.649	46.649
	64 Di-n-butylphthalate	149.00	16.752	(1.104)	887846	47.645	47.645
	65 Fluoranthene	202.00	17.995	(1.186)	608238	46.305	46.305
	66 Benzidine	184.00	18.452	(2.582)	81710	28.980	28.980
	67 Pyrene	202.00	18.502	(0.865)	605875	46.260	46.260
$	68 Terphenyl-d14	244.00	19.009	(0.888)	404426	48.695	48.695
	69 Butylbenzylphthalate	149.00	20.288	(0.948)	359971	48.801	48.801
	70 Benzo(a)anthracene	228.00	21.373	(0.999)	471839	45.593	45.593
*	71 Chrysene-d12	240.00	21.402	(1.000)	276075	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.430	(1.001)	152612	41.123	41.123
	73 Chrysene	228.00	21.459	(1.003)	401047	44.939	44.939
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.016)	471498	47.140	47.140
	75 Di-n-octylphthalate	149.00	23.216	(0.947)	772620	55.794	55.794
	76 Benzo(b)fluoranthene	252.00	23.759	(0.969)	385462	49.813	49.813
	77 Benzo(k)fluoranthene	252.00	23.823	(0.972)	370340	51.284	51.284
	78 Benzo(a)pyrene	252.00	24.409	(0.996)	334126	49.756	49.756

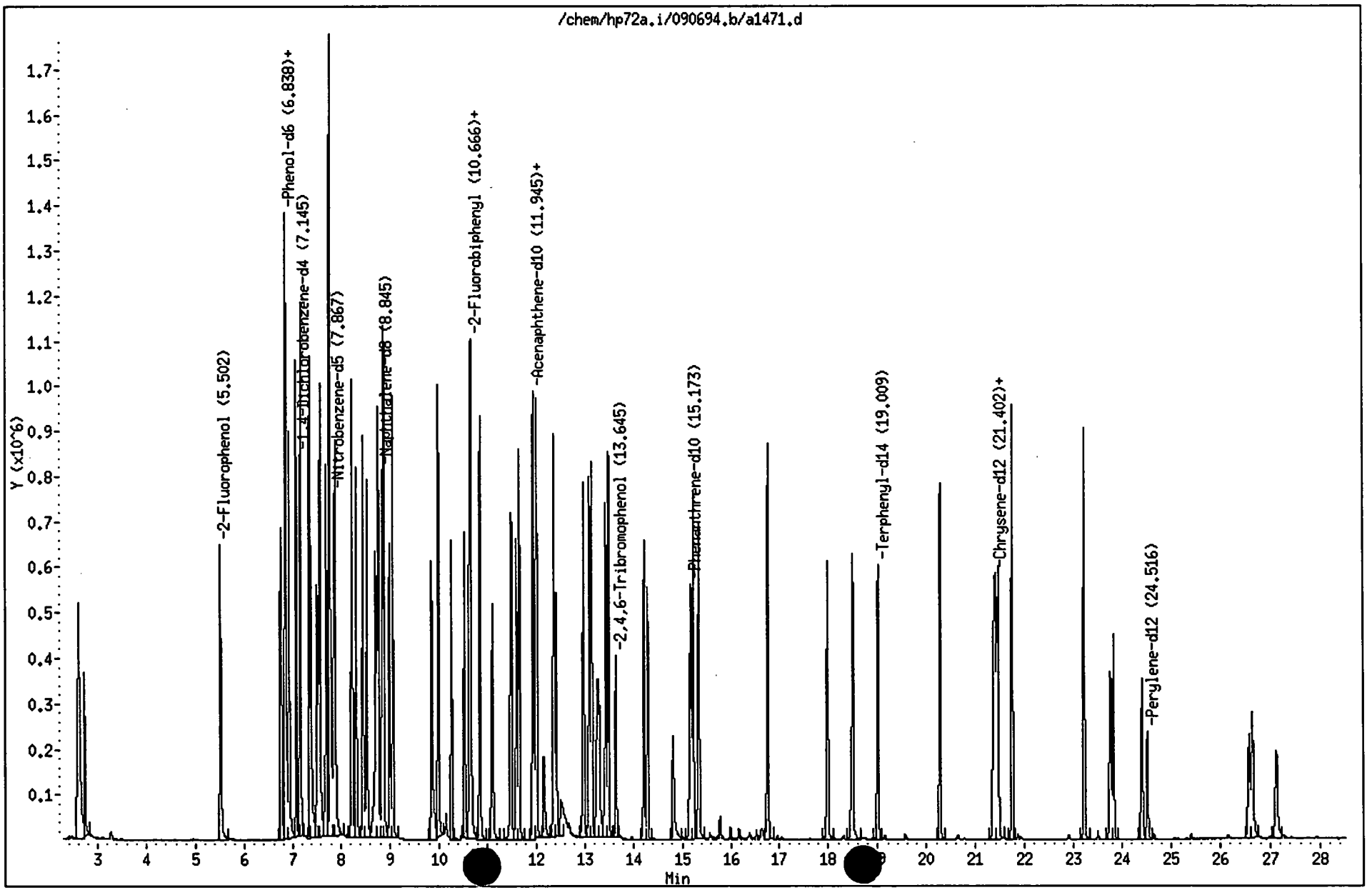
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.516	(1.000)	211604	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.580	(1.084)	281562	44.133	44.133
81 Dibenzo(a,h)anthracene	278.00	26.645	(1.087)	299465	49.813	49.813
82 Benzo(g,h,i)perylene	276.00	27.123	(1.106)	306922	48.075	48.075

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

0000271

Data File: /chem/hp72a.i/090694.b/a1471.d
Date : 06-SEP-94 10:55
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Data File: /chem/hp72a.i/07Sep1994.b/a1290.d

Date : 07-SEP-94 16:09

Instrument : hp72a.i

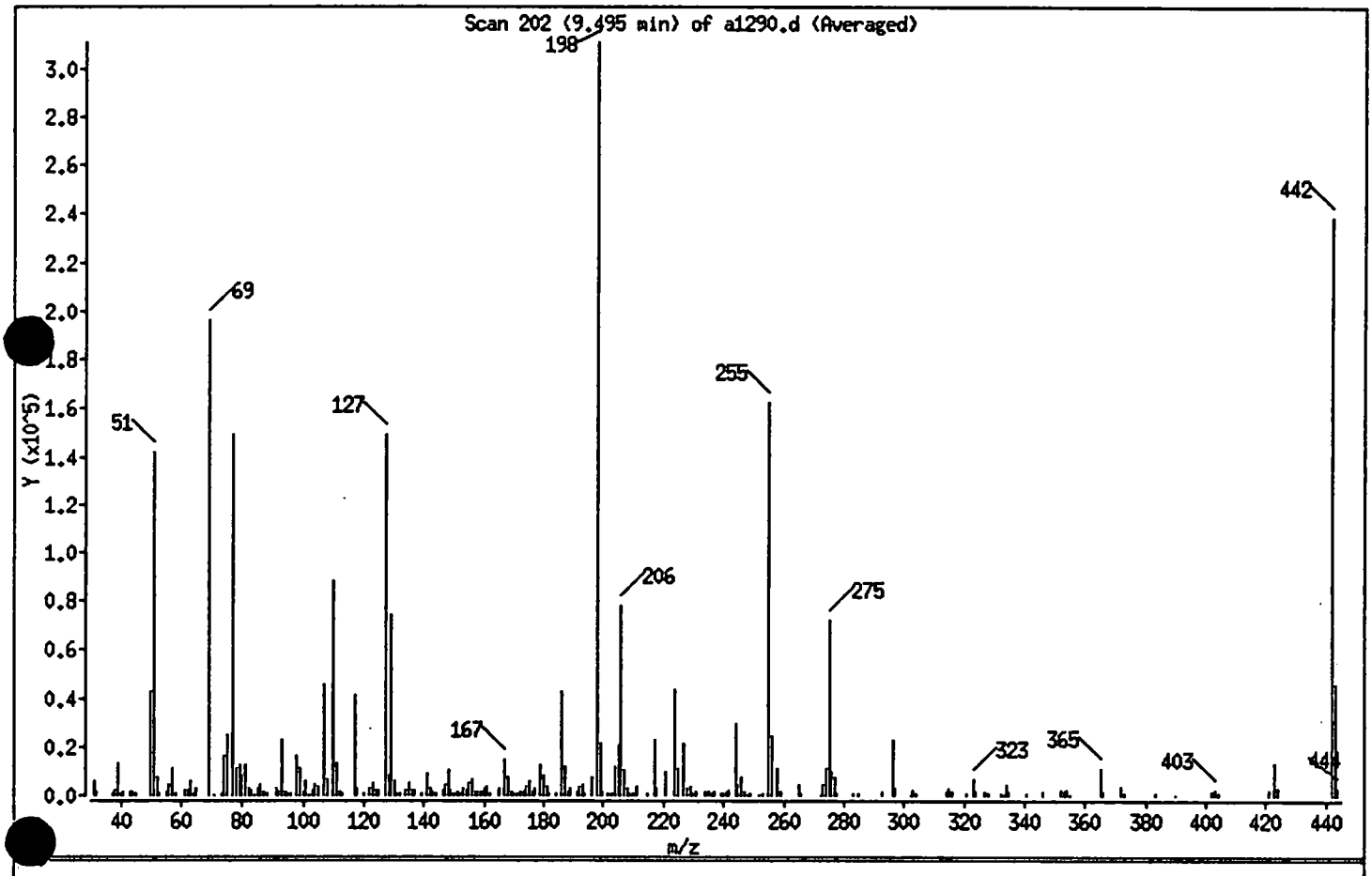
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	45.5
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	63.0
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	47.9
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	6.8
275	10.00 - 30.00% of mass 198	23.1
365	Greater than 1.00% of mass 198	3.7
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	76.9
443	17.00 - 23.00% of mass 442	19.0

Data File: /chem/hp72a.i/07Sep1994.b/a1290.d

Date : 07-SEP-94 16:09

Instrument : hp72a.i

Sample ID :

Column phase : Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 202-204 (9.495 min), Subtraction Scan 193

Location of Maximum: 198.00

Number of points: 217

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	6233	111.00	13220	180.00	8086	258.00	11182
37.00	923	112.00	1766	181.00	3488	259.00	1616
38.00	2225	113.00	445	182.00	404	265.00	4367
39.00	12891	117.00	41450	184.00	681	266.00	463
40.00	425	118.00	3049	186.00	42648	272.00	259
41.00	425	120.00	466	187.00	12011	273.00	4468
43.00	123	122.00	3175	188.00	1537	274.00	11281
45.00	568	123.00	4966	189.00	3111	275.00	71674
50.00	42594	124.00	2397	191.00	1481	276.00	9640
51.00	141504	125.00	2148	192.00	4009	277.00	7348
52.00	7361	127.00	148986	193.00	4168	278.00	1074
53.00	381	128.00	8062	194.00	799	283.00	489
55.00	1060	129.00	74093	196.00	7343	285.00	978
56.00	4769	130.00	5908	198.00	310933	293.00	1423
57.00	9887	131.00	1097	199.00	21295	296.00	22714
58.00	397	132.00	414	200.00	1752	297.00	3206
61.00	2084	134.00	1888	202.00	1026	302.00	176
62.00	2099	135.00	5267	203.00	833	303.00	2420
63.00	5845	136.00	2054	204.00	11406	304.00	744
64.00	844	137.00	2414	205.00	20666	314.00	1315
65.00	2708	139.00	374	206.00	77584	315.00	2635
69.00	196006	141.00	8875	207.00	9967	316.00	1217
71.00	180	142.00	2843	208.00	3137	321.00	406
73.00	536	143.00	1824	209.00	981	323.00	6911
74.00	16012	144.00	373	210.00	538	324.00	1365
75.00	25161	146.00	1905	211.00	3625	327.00	1385
77.00	149160	147.00	4480	215.00	1071	328.00	555
78.00	10676	148.00	10564	217.00	22808	332.00	466
79.00	12778	149.00	1894	218.00	2957	333.00	253
80.00	8449	150.00	525	221.00	9237	334.00	4612
81.00	12366	151.00	1107	224.00	43285	335.00	1266
82.00	3092	152.00	492	225.00	11023	341.00	409
83.00	2527	153.00	2699	227.00	21008	346.00	1646
84.00	172	154.00	2061	228.00	2966	352.00	2308
85.00	2814	155.00	5035	229.00	3694	353.00	1644

Data File: /chem/hp72a.i/07Sep1994.b/a1290.d

Date : 07-SEP-94 16:09

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 202-204 (9.495 min), Subtraction Scan 193
Location of Maximum: 198.00
Number of points: 217

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	4181	156.00	6681	230.00	528	354.00	2134
87.00	1630	157.00	1187	231.00	1546	355.00	364
88.00	550	158.00	1537	234.00	1392	365.00	11385
91.00	3125	159.00	1280	235.00	1362	366.00	1449
92.00	1367	160.00	2714	236.00	891	372.00	3594
93.00	22664	161.00	3773	237.00	1234	373.00	981
94.00	1579	162.00	995	239.00	671	383.00	1031
95.00	443	165.00	3128	240.00	490	390.00	169
96.00	748	167.00	14920	241.00	1192	402.00	1611
98.00	15818	168.00	7539	242.00	2187	403.00	2214
99.00	11231	169.00	1253	244.00	29573	404.00	534
100.00	1277	170.00	506	245.00	4236	421.00	1872
101.00	5853	171.00	413	246.00	7149	423.00	13285
102.00	176	172.00	1511	247.00	1312	424.00	2713
103.00	2204	173.00	1611	248.00	174	442.00	239189
104.00	4061	174.00	3477	249.00	1055	443.00	45520
105.00	3801	175.00	5784	252.00	197	444.00	2724
107.00	45453	176.00	1755	253.00	530		
108.00	6972	177.00	2988	255.00	162488		
110.00	88541	179.00	12559	256.00	24157		

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1491.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 07-SEP-94 16:35
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090794.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	1.133	0.010	27.6	500.0
	2 Pyridine	2.361	2.325	0.010	1.5	500.0
$	3 2-Fluorophenol	1.763	1.760	0.010	0.2	500.0
$	4 Phenol-d6	1.626	1.727	0.010	6.2	500.0
	5 Aniline	2.401	1.861	0.010	22.5	500.0
	6 Phenol	2.026	2.143	0.010	5.8	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.600	0.010	1.8	500.0
	8 2-Chlorophenol	1.563	1.543	0.010	1.3	500.0
	9 1,3-Dichlorobenzene	1.588	1.639	0.010	3.2	500.0
	11 1,4-Dichlorobenzene	1.536	1.605	0.010	4.5	30.0
	12 Benzyl alcohol	1.020	0.877	0.010	14.0	500.0
	13 1,2-Dichlorobenzene	1.493	1.554	0.010	4.1	500.0
	14 2-Methylphenol	1.426	1.368	0.010	4.0	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	1.852	0.010	8.8	500.0
	16 3- & 4-Methylphenol	1.259	1.247	0.010	1.0	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.320	0.050	1.1	500.0
	18 Hexachloroethane	0.567	0.674	0.010	18.7	500.0
$	19 Nitrobenzene-d5	0.486	0.587	0.010	20.7	500.0
	20 Nitrobenzene	0.474	0.587	0.010	23.7	500.0
	21 Isophorone	0.979	1.014	0.010	3.6	500.0
	22 2-Nitrophenol	0.296	0.291	0.010	1.4	30.0
	23 2,4-Dimethyphenol	0.338	0.337	0.010	0.3	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.581	0.010	0.5	500.0
	25 Benzoic Acid	0.791	0.876	0.010	10.8	500.0
	26 2,4-Dichlorophenol	0.305	0.329	0.010	7.7	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.366	0.010	10.0	500.0
	29 Naphthalene	1.096	1.123	0.010	2.4	500.0
	30 4-Chloroaniline	0.495	0.352	0.010	28.8	500.0
	31 Hexachlorobutadiene	0.183	0.236	0.010	29.4	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.407	0.010	11.6	30.0
	33 2-Methylnaphthalene	0.677	0.695	0.010	2.7	500.0
	34 Hexachlorocyclopentadiene	0.358	0.435	0.050	21.5	500.0
	35 2,4,6-Trichlorophenol	0.399	0.398	0.010	0.4	30.0
	36 2,4,5-Trichlorphenol	0.465	0.494	0.010	6.2	500.0
$	37 2-Fluorobiphenyl	1.522	1.540	0.010	1.2	500.0
	38 2-Chloronaphthalene	1.326	1.293	0.010	2.5	500.0
	39 2-Nitroaniline	0.612	0.549	0.010	10.2	500.0
	40 Dimethylphthalate	1.632	1.606	0.010	1.6	500.0
	41 Acenaphthylene	2.139	2.061	0.010	3.6	500.0
	42 2,6-Dinitrotoluene	0.381	0.362	0.010	5.1	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1491.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 07-SEP-94 16:35
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090794.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	43 3-Nitroaniline	0.461	0.343	0.010	25.6	500.0	
	45 Acenaphthene	0.624	0.608	0.010	2.6	30.0	
	46 2,4-Dinitrophenol	0.209	0.173	0.050	17.3	500.0	
	47 4-Nitrophenol	0.184	0.279	0.050	51.9	500.0	
	48 Dibenzofuran	1.869	1.809	0.010	3.2	500.0	
	49 2,4-Dinitrotoluene	0.515	0.495	0.010	3.9	500.0	
	50 Fluorene	1.410	1.344	0.010	4.7	500.0	
	51 Diethylphthalate	1.618	1.669	0.010	3.2	500.0	
	52 4-Chlorophenyl-phenylether	0.697	0.692	0.010	0.7	500.0	
	53 4-Nitroaniline	0.455	0.370	0.010	18.8	500.0	
	54 4,6-Dinitro-o-cresol	0.184	0.169	0.010	8.1	500.0	
	55 N-nitrosodiphenylamine (1)	0.659	0.604	0.010	8.4	30.0	
	56 Azobenzene	3.399	3.327	0.010	2.1	500.0	
$	57 2,4,6-Tribromophenol	0.219	0.230	0.010	5.1	500.0	
	58 4-Bromophenyl-phenylether	0.236	0.233	0.010	1.1	500.0	
	59 Hexachlorobenzene	0.267	0.260	0.010	2.5	500.0	
	60 Pentachlorophenol	0.143	0.148	0.010	2.9	30.0	
	62 Phenanthrene	1.267	1.199	0.010	5.4	500.0	
	63 Anthracene	1.257	1.181	0.010	6.0	500.0	
	64 Di-n-butylphthalate	1.761	1.673	0.010	5.0	500.0	
	65 Fluoranthene	1.241	1.204	0.010	3.0	30.0	
	66 Benzidine	0.759	++++	0.010	++++	500.0	<-
	67 Pyrene	1.898	1.567	0.010	17.4	500.0	
$	68 Terphenyl-d14	1.203	1.034	0.010	14.1	500.0	
	69 Butylbenzylphthalate	1.069	0.902	0.010	15.6	500.0	
	70 Benzo(a)anthracene	1.499	1.338	0.010	10.8	500.0	
	72 3,3'-Dichlorobenzidine	0.538	0.391	0.010	27.2	500.0	
	73 Chrysene	1.293	1.188	0.010	8.1	500.0	
	74 bis(2-Ethylhexyl)phthalate	1.449	1.166	0.010	19.5	500.0	
	75 Di-n-octylphthalate	2.618	2.374	0.010	9.3	30.0	
	76 Benzo(b)fluoranthene	1.463	1.371	0.010	6.3	500.0	
	77 Benzo(k)fluoranthene	1.365	1.345	0.010	1.4	500.0	
	78 Benzo(a)pyrene	1.269	1.269	0.010	0.0	30.0	
	80 Indeno(1,2,3-cd)pyrene	1.206	1.223	0.010	1.4	500.0	
	81 Dibenzo(a,h)anthracene	1.136	1.167	0.010	2.7	500.0	
	82 Benzo(g,h,i)perylene	1.207	1.246	0.010	3.2	500.0	

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090794.b/a1491.d
Lab. Id. : Quant Type: ISTD
Inj Date : 07-SEP-94 16:35 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090794.b/ccal02.m
Meth Date : 07-Sep-1994 17:13
Cal Date : 07-SEP-94 16:35 Cal File: a1491.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.468	(0.348)	103423	63.823	63.823
	2 Pyridine	79.00	2.503	(0.353)	212173	49.235	49.235
$	3 2-Fluorophenol	112.00	5.453	(0.769)	160679	49.921	49.921
$	4 Phenol-d6	99.00	6.782	(0.957)	157642	53.119	53.119
	5 Aniline	93.00	6.696	(0.945)	169873	38.763	38.763
	6 Phenol	94.00	6.803	(0.960)	195646	52.902	52.902
	7 bis(-2-Chloroethyl)Ether	93.00	6.782	(0.957)	146050	49.106	49.106
	8 2-Chlorophenol	128.00	6.868	(0.969)	140794	49.341	49.341
	9 1,3-Dichlorobenzene	146.00	7.010	(0.989)	149588	51.590	51.590
	10 1,4-Dichlorobenzene-d4	152.00	7.089	(1.000)	73020	40.000	
	11 1,4-Dichlorobenzene	146.00	7.110	(1.003)	146517	52.264	52.264
	12 Benzyl alcohol	108.00	7.325	(1.033)	80059	43.006	43.006
	13 1,2-Dichlorobenzene	146.00	7.296	(1.029)	141858	52.044	52.044
	14 2-Methylphenol	108.00	7.518	(1.060)	124901	47.995	47.995
	15 Bis(2-chloroisopropyl)ether	45.00	7.460	(1.052)	169006	45.580	45.580
	16 3- & 4-Methylphenol	108.00	7.725	(1.090)	227580	99.030	99.030
	17 N-Nitroso-di-n-propylamine	70.00	7.639	(1.078)	120467	50.568	50.568
	18 Hexachloroethane	117.00	7.718	(1.089)	61484	59.370	59.370
$	19 Nitrobenzene-d5	82.00	7.803	(0.889)	171219	60.356	60.356
	20 Nitrobenzene	77.00	7.825	(0.892)	171087	61.847	61.847
	21 Isophorone	82.00	8.153	(0.929)	295729	51.800	51.800
	22 2-Nitrophenol	139.00	8.246	(0.940)	84988	49.289	49.289
	23 2,4-Dimethyphenol	122.00	8.382	(0.955)	98275	49.872	49.872
	24 bis(-2-Chloroethoxy)methane	93.00	8.468	(0.965)	169587	49.750	49.750
	25 Benzoic Acid	122.00	8.625	(1.217)	79989	55.403	55.403
	26 2,4-Dichlorophenol	162.00	8.639	(0.985)	95943	53.858	53.858
	27 1,2,4-Trichlorobenzene	180.00	8.696	(0.991)	106811	54.988	54.988
*	28 Naphthalene-d8	136.00	8.775	(1.000)	233335	40.000	
	29 Naphthalene	128.00	8.810	(1.004)	327424	51.216	51.216

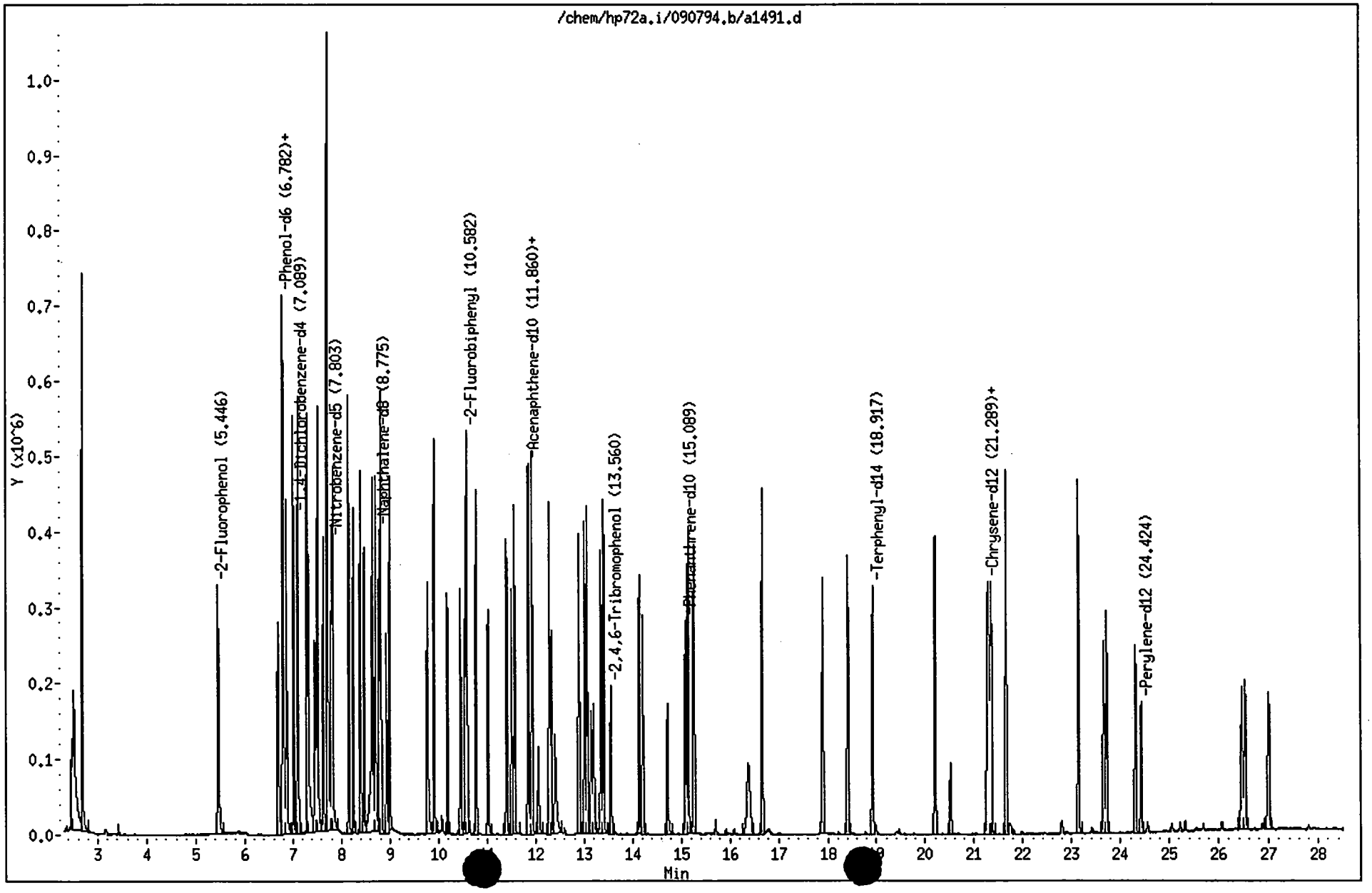
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.925	(1.017)	102706	35.577	35.577
	31 Hexachlorobutadiene	225.00	8.996	(1.025)	68928	64.695	64.695
	32 4-Chloro-3-Methylphenol	107.00	9.782	(1.115)	118787	55.785	55.785
	33 2-Methylnaphthalene	142.00	9.910	(1.129)	202740	51.373	51.373
	34 Hexachlorocyclopentadiene	237.00	10.182	(0.858)	66415	60.740	60.740
	35 2,4,6-Trichlorophenol	196.00	10.453	(0.881)	60774	49.816	49.816
	36 2,4,5-Trichlorphenol	196.00	10.553	(0.890)	75436	53.111	53.111
$	37 2-Fluorobiphenyl	172.00	10.589	(0.893)	235122	50.580	50.580
	38 2-Chloronaphthalene	162.00	10.782	(0.909)	197447	48.737	48.737
	39 2-Nitroaniline	138.00	11.025	(0.930)	83905	44.890	44.890
	40 Dimethylphthalate	163.00	11.403	(0.961)	245228	49.209	49.209
	41 Acenaphthylene	152.00	11.575	(0.976)	314803	48.177	48.177
	42 2,6-Dinitrotoluene	165.00	11.510	(0.970)	55239	47.446	47.446
	43 3-Nitroaniline	138.00	11.853	(0.999)	52397	37.185	37.185
*	44 Acenaphthene-d10	164.00	11.860	(1.000)	122168	40.000	
	45 Acenaphthene	152.00	11.925	(1.005)	92772	48.689	48.689
	46 2,4-Dinitrophenol	184.00	12.060	(1.017)	26369	41.349	41.349
	47 4-Nitrophenol	109.00	12.403	(1.046)	42618	75.937	75.937
	48 Dibenzofuran	168.00	12.289	(1.036)	276303	48.416	48.416
	49 2,4-Dinitrotoluene	165.00	12.332	(1.040)	75654	48.054	48.054
	50 Fluorene	166.00	13.017	(1.098)	205290	47.668	47.668
	51 Diethylphthalate	149.00	12.903	(1.088)	254906	51.578	51.578
	52 4-Chlorophenyl-phenylether	204.00	13.067	(1.102)	105698	49.671	49.671
	53 4-Nitroaniline	138.00	13.160	(1.110)	56448	40.576	40.576
	54 4,6-Dinitro-o-cresol	198.00	13.203	(0.875)	39377	45.935	45.935
	55 N-nitrosodiphenylamine (1)	169.00	13.353	(0.885)	140773	45.825	45.825
	56 Azobenzene	77.00	13.410	(1.892)	303654	48.942	48.942
$	57 2,4,6-Tribromophenol	330.00	13.560	(1.143)	35178	52.572	52.572
	58 4-Bromophenyl-phenylether	248.00	14.139	(0.937)	54446	49.457	49.457
	59 Hexachlorobenzene	284.00	14.210	(0.942)	60662	48.760	48.760
	60 Pentachlorophenol	266.00	14.725	(0.976)	34397	51.431	51.431
*	61 Phenanthrene-d10	188.00	15.082	(1.000)	186555	40.000	
	62 Phenanthrene	178.00	15.139	(1.004)	279489	47.284	47.284
	63 Anthracene	178.00	15.260	(1.012)	275464	46.993	46.993
	64 Di-n-butylphthalate	149.00	16.674	(1.106)	390113	47.501	47.501
	65 Fluoranthene	202.00	17.896	(1.187)	280836	48.511	48.511
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.410	(0.864)	290023	41.296	41.296
$	68 Terphenyl-d14	244.00	18.917	(0.888)	191279	42.950	42.950
	69 Butylbenzylphthalate	149.00	20.203	(0.948)	166824	42.177	42.177
	70 Benzo(a)anthracene	228.00	21.274	(0.999)	247615	44.621	44.621
*	71 Chrysene-d12	240.00	21.303	(1.000)	148037	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.331	(1.001)	72429	36.397	36.397
	73 Chrysene	228.00	21.360	(1.003)	219808	45.933	45.933
	74 bis(2-Ethylhexyl)phthalate	149.00	21.660	(1.017)	215758	40.229	40.229
	75 Di-n-octylphthalate	149.00	23.139	(0.947)	370563	45.341	45.341
	76 Benzo(b)fluoranthene	252.00	23.660	(0.969)	213984	46.854	46.854
	77 Benzo(k)fluoranthene	252.00	23.724	(0.971)	210036	49.281	49.281
	78 Benzo(a)pyrene	252.00	24.310	(0.995)	198089	49.979	49.979

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.424	(1.000)	124889	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.467	(1.084)	190899	50.698	50.698
81 Dibenzo(a,h)anthracene	278.00	26.531	(1.086)	182247	51.364	51.364
82 Benzo(g,h,i)perylene	276.00	27.003	(1.106)	194460	51.609	51.609

Data File: /chem/hp72a.i/090794.b/a1491.d
Date : 07-SEP-94 16:35
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000280



Data File: /chem/hp72a.i/090894.b/a1520.d

Date : 08-SEP-94 09:21

Instrument : hp72a.i

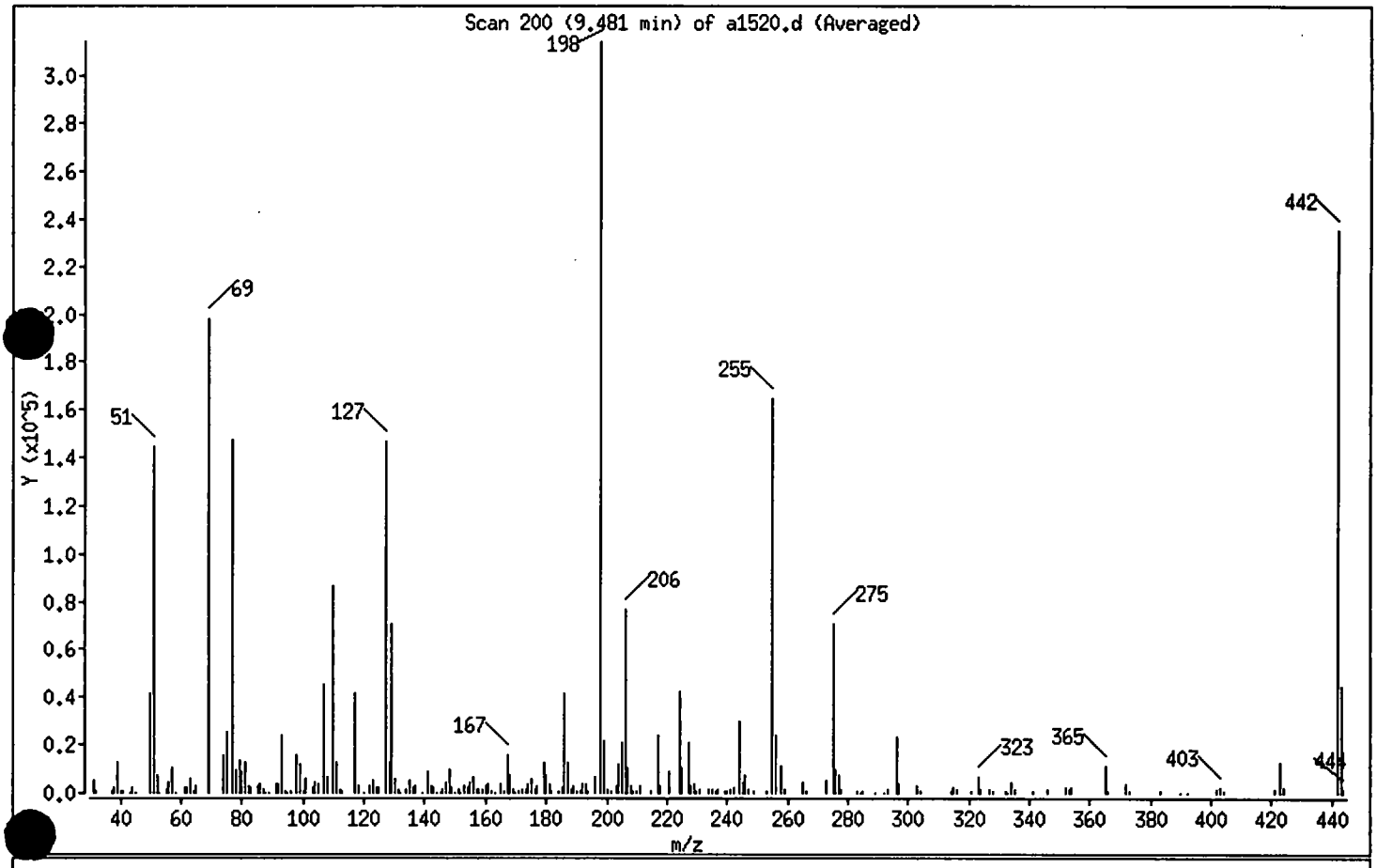
Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.0
51	30.00 - 60.00% of mass 198	46.0
68	Less than 2.00% of mass 69	0.0
69	Mass 69 relative abundance	63.1
70	Less than 2.00% of mass 69	0.0
127	40.00 - 60.00% of mass 198	46.7
197	Less than 1.00% of mass 198	0.0
199	5.00 - 9.00% of mass 198	7.0
275	10.00 - 30.00% of mass 198	22.5
365	Greater than 1.00% of mass 198	3.6
441	Less than 99.99% of mass 443	0.0
442	40.00 - 100.00% of mass 198	74.9
443	17.00 - 23.00% of mass 442	19.1

Data File: /chem/hp72a.i/090894.b/a1520.d
Date : 08-SEP-94 09:21
Instrument : hp72a.i
Sample ID :
Column phase : Column diameter : 2.00
Volume Injected (uL) : 1.0

Spectrum: Scans 200-202 (9.481 min), Subtraction Scan 193
Location of Maximum: 198.00
Number of points: 216

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	5456	118.00	3131	181.00	3582	259.00	1825
37.00	740	120.00	367	182.00	469	265.00	4398
38.00	2469	122.00	3324	184.00	494	266.00	618
39.00	12901	123.00	4858	185.00	1921	273.00	5436
40.00	409	124.00	2451	186.00	41872	275.00	70904
41.00	485	125.00	1987	187.00	12369	276.00	9548
45.00	214	127.00	146781	188.00	1243	277.00	7260
50.00	41458	128.00	12644	189.00	2810	278.00	1314
51.00	144541	129.00	70797	190.00	615	283.00	680
52.00	7372	130.00	6100	191.00	530	284.00	343
53.00	167	131.00	1401	192.00	3882	285.00	1037
55.00	827	132.00	191	193.00	3830	289.00	179
56.00	4758	134.00	1742	194.00	935	292.00	185
57.00	10515	135.00	5117	196.00	6845	293.00	1598
58.00	218	136.00	2485	198.00	314474	296.00	23162
61.00	2015	137.00	2681	199.00	21898	297.00	3384
62.00	2326	139.00	221	200.00	1658	303.00	2644
63.00	5686	141.00	8975	202.00	879	304.00	780
64.00	755	142.00	2693	203.00	2849	314.00	756
65.00	2887	143.00	1903	204.00	11628	315.00	2411
69.00	198314	144.00	187	205.00	21152	316.00	1328
74.00	15424	145.00	359	206.00	76741	321.00	586
75.00	25426	146.00	1649	207.00	10187	323.00	6738
77.00	147605	147.00	4243	208.00	3121	324.00	1212
78.00	9776	148.00	9716	209.00	830	327.00	1454
79.00	13263	149.00	1949	210.00	1043	328.00	810
80.00	8621	150.00	218	211.00	3047	332.00	487
81.00	12300	151.00	1142	215.00	1044	333.00	309
82.00	3237	152.00	348	217.00	23546	334.00	4790
83.00	2448	153.00	2888	218.00	2816	335.00	1278
85.00	3335	154.00	1879	221.00	8763	341.00	868
86.00	3651	155.00	4217	224.00	42482	346.00	1298
87.00	1603	156.00	6511	225.00	10530	352.00	2117
88.00	359	157.00	1373	227.00	21184	353.00	1617
89.00	175	158.00	1418	228.00	3024	354.00	1994

Data File: /chem/hp72a.i/090894.b/a1520.d

Date : 08-SEP-94 09:21

Instrument : hp72a.i

Sample ID :

Column phase :

Column diameter : 2.00

Volume Injected (uL) : 1.0

Spectrum: Scans 200-202 (9.481 min), Subtraction Scan 193

Location of Maximum: 198.00

Number of points: 216

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	3394	159.00	1296	229.00	3763	365.00	11339
92.00	3402	160.00	2799	230.00	448	366.00	938
93.00	23866	161.00	3835	231.00	1571	372.00	3931
94.00	842	162.00	1061	234.00	1405	373.00	876
95.00	253	163.00	188	235.00	1332	383.00	1105
96.00	920	165.00	3612	236.00	990	390.00	210
98.00	15553	166.00	664	237.00	1221	392.00	179
99.00	11554	167.00	15529	239.00	815	402.00	1654
100.00	1110	168.00	7727	240.00	733	403.00	2340
101.00	5747	169.00	1227	241.00	1391	404.00	727
103.00	2254	170.00	251	242.00	2084	421.00	1687
104.00	4351	171.00	781	244.00	29930	423.00	12787
105.00	3994	172.00	1640	245.00	4362	424.00	2376
107.00	45565	173.00	1799	246.00	7306	442.00	235456
108.00	6856	174.00	3514	247.00	1310	443.00	45074
110.00	86352	175.00	6119	249.00	978	444.00	1354
111.00	12797	176.00	1490	253.00	1012		
112.00	1587	177.00	3095	255.00	164373		
113.00	465	179.00	12648	256.00	24154		
117.00	41450	180.00	7610	258.00	11232		

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1521.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 08-SEP-94 09:42
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090894.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 n-Nitrosodimethylamine	0.888	1.148	0.010	29.3	500.0
	2 Pyridine	2.361	2.309	0.010	2.2	500.0
$	3 2-Fluorophenol	1.763	1.686	0.010	4.4	500.0
$	4 Phenol-d6	1.626	1.731	0.010	6.5	500.0
	5 Aniline	2.401	1.925	0.010	19.8	500.0
	6 Phenol	2.026	2.071	0.010	2.2	30.0
	7 bis(-2-Chloroethyl)Ether	1.629	1.552	0.010	4.7	500.0
	8 2-Chlorophenol	1.563	1.488	0.010	4.8	500.0
	9 1,3-Dichlorobenzene	1.588	1.640	0.010	3.3	500.0
	11 1,4-Dichlorobenzene	1.536	1.615	0.010	5.2	30.0
	12 Benzyl alcohol	1.020	0.810	0.010	20.6	500.0
	13 1,2-Dichlorobenzene	1.493	1.574	0.010	5.4	500.0
	14 2-Methylphenol	1.426	1.340	0.010	6.0	500.0
	15 Bis(2-chloroisopropyl)ether	2.031	1.844	0.010	9.2	500.0
	16 3- & 4-Methylphenol	1.259	1.280	0.010	1.7	500.0
	17 N-Nitroso-di-n-propylamine	1.305	1.339	0.050	2.6	500.0
	18 Hexachloroethane	0.567	0.688	0.010	21.2	500.0
$	19 Nitrobenzene-d5	0.486	0.573	0.010	17.9	500.0
	20 Nitrobenzene	0.474	0.551	0.010	16.2	500.0
	21 Isophorone	0.979	1.002	0.010	2.3	500.0
	22 2-Nitrophenol	0.296	0.292	0.010	1.4	30.0
	23 2,4-Dimethyphenol	0.338	0.323	0.010	4.3	500.0
	24 bis(-2-Chloroethoxy)methane	0.584	0.576	0.010	1.4	500.0
	25 Benzoic Acid	0.791	0.806	0.010	1.9	500.0
	26 2,4-Dichlorophenol	0.305	0.328	0.010	7.4	30.0
	27 1,2,4-Trichlorobenzene	0.333	0.358	0.010	7.5	500.0
	29 Naphthalene	1.096	1.139	0.010	3.9	500.0
	30 4-Chloroaniline	0.495	0.462	0.010	6.6	500.0
	31 Hexachlorobutadiene	0.183	0.237	0.010	29.9	30.0
	32 4-Chloro-3-Methylphenol	0.365	0.419	0.010	14.9	30.0
	33 2-Methylnaphthalene	0.677	0.711	0.010	5.1	500.0
	34 Hexachlorocyclopentadiene	0.358	0.371	0.050	3.5	500.0
	35 2,4,6-Trichlorophenol	0.399	0.384	0.010	3.9	30.0
	36 2,4,5-Trichlorphenol	0.465	0.479	0.010	2.9	500.0
$	37 2-Fluorobiphenyl	1.522	1.505	0.010	1.1	500.0
	38 2-Chloronaphthalene	1.326	1.259	0.010	5.1	500.0
	39 2-Nitroaniline	0.612	0.551	0.010	10.0	500.0
	40 Dimethylphthalate	1.632	1.593	0.010	2.4	500.0
	41 Acenaphthylene	2.139	2.051	0.010	4.1	500.0
	42 2,6-Dinitrotoluene	0.381	0.388	0.010	1.9	500.0

Inchcape Testing Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp72a.i
Lab File ID: a1521.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 08-SEP-94 09:42
Init. Calibration Date(s): 08/09/94 08/31/94
Init. Calibration Times: 12:08 11:01
Method File: /chem/hp72a.i/090894.b/ccal02.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.461	0.427	0.010	7.5	500.0
	45 Acenaphthene	0.624	0.608	0.010	2.5	30.0
	46 2,4-Dinitrophenol	0.209	0.178	0.050	14.8	500.0
	47 4-Nitrophenol	0.184	0.301	0.050	64.0	500.0
	48 Dibenzofuran	1.869	1.813	0.010	2.9	500.0
	49 2,4-Dinitrotoluene	0.515	0.538	0.010	4.4	500.0
	50 Fluorene	1.410	1.357	0.010	3.8	500.0
	51 Diethylphthalate	1.618	1.702	0.010	5.2	500.0
	52 4-Chlorophenyl-phenylether	0.697	0.694	0.010	0.4	500.0
	53 4-Nitroaniline	0.455	0.491	0.010	7.8	500.0
	54 4,6-Dinitro-o-cresol	0.184	0.170	0.010	7.6	500.0
	55 N-nitrosodiphenylamine (1)	0.659	0.586	0.010	11.0	30.0
	56 Azobenzene	3.399	3.678	0.010	8.2	500.0
$	57 2,4,6-Tribromophenol	0.219	0.242	0.010	10.4	500.0
	58 4-Bromophenyl-phenylether	0.236	0.228	0.010	3.2	500.0
	59 Hexachlorobenzene	0.267	0.257	0.010	3.8	500.0
	60 Pentachlorophenol	0.143	0.120	0.010	16.5	30.0
	62 Phenanthrene	1.267	1.213	0.010	4.3	500.0
	63 Anthracene	1.257	1.210	0.010	3.7	500.0
	64 Di-n-butylphthalate	1.761	1.679	0.010	4.7	500.0
	65 Fluoranthene	1.241	1.388	0.010	11.8	30.0
	66 Benzidine	0.759	0.294	0.010	61.2	500.0
	67 Pyrene	1.898	1.468	0.010	22.6	500.0
$	68 Terphenyl-d14	1.203	0.930	0.010	22.7	500.0
	69 Butylbenzylphthalate	1.069	0.860	0.010	19.5	500.0
	70 Benzo(a)anthracene	1.499	1.343	0.010	10.4	500.0
	72 3,3'-Dichlorobenzidine	0.538	0.432	0.010	19.6	500.0
	73 Chrysene	1.293	1.193	0.010	7.7	500.0
	74 bis(2-Ethylhexyl)phthalate	1.449	1.101	0.010	24.0	500.0
	75 Di-n-octylphthalate	2.618	2.926	0.010	11.8	30.0
	76 Benzo(b)fluoranthene	1.463	1.504	0.010	2.8	500.0
	77 Benzo(k)fluoranthene	1.365	1.465	0.010	7.3	500.0
	78 Benzo(a)pyrene	1.269	1.298	0.010	2.3	30.0
	80 Indeno(1,2,3-cd)pyrene	1.206	1.054	0.010	12.6	500.0
	81 Dibenzo(a,h)anthracene	1.136	0.995	0.010	12.4	500.0
	82 Benzo(g,h,i)perylene	1.207	1.033	0.010	14.4	500.0

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090894.b/a1521.d
Lab. Id. : Quant Type: ISTD
Inj Date : 08-SEP-94 09:42 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : SSTD050
Misc Info : SSTD050
Comment :
Method : /chem/hp72a.i/090894.b/ccal02.m
Meth Date : 09-Sep-1994 13:34 jmk
Cal Date : 08-SEP-94 09:42 Cal File: a1521.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.431	(0.378)	80584	64.658	64.658(M)
	2 Pyridine	79.00	2.460	(0.347)	162094	48.906	48.906
$	3 2-Fluorophenol	112.00	5.431	(0.767)	118346	47.807	47.807
$	4 Phenol-d6	99.00	6.767	(0.956)	121504	53.233	53.233
	5 Aniline	93.00	6.681	(0.944)	135168	40.103	40.103
	6 Phenol	94.00	6.781	(0.958)	145412	51.123	51.123
	7 bis(-2-Chloroethyl)Ether	93.00	6.774	(0.957)	108956	47.632	47.632
	8 2-Chlorophenol	128.00	6.853	(0.968)	104457	47.597	47.597
	9 1,3-Dichlorobenzene	146.00	7.003	(0.989)	115136	51.629	51.629
	10 1,4-Dichlorobenzene-d4	152.00	7.081	(1.000)	56160	40.000	
	11 1,4-Dichlorobenzene	146.00	7.110	(1.004)	113365	52.578	52.578
	12 Benzyl alcohol	108.00	7.310	(1.032)	56841	39.700	39.700
	13 1,2-Dichlorobenzene	146.00	7.295	(1.030)	110501	52.710	52.710
	14 2-Methylphenol	108.00	7.510	(1.061)	94096	47.013	47.013
	15 Bis(2-chloroisopropyl)ether	45.00	7.460	(1.053)	129465	45.398	45.398
	16 3- & 4-Methylphenol	108.00	7.703	(1.088)	179685	101.662	101.662
	17 N-Nitroso-di-n-propylamine	70.00	7.631	(1.078)	93976	51.291	51.291
	18 Hexachloroethane	117.00	7.710	(1.089)	48265	60.597	60.597
$	19 Nitrobenzene-d5	82.00	7.795	(0.888)	133731	58.926	58.926
	20 Nitrobenzene	77.00	7.824	(0.892)	128572	58.097	58.097
	21 Isophorone	82.00	8.145	(0.928)	233718	51.172	51.172
	22 2-Nitrophenol	139.00	8.245	(0.940)	68039	49.324	49.324
	23 2,4-Dimethyphenol	122.00	8.374	(0.954)	75410	47.836	47.836
	24 bis(-2-Chloroethoxy)methane	93.00	8.460	(0.964)	134478	49.313	49.313
	25 Benzoic Acid	122.00	8.610	(1.216)	56571	50.946	50.946
	26 2,4-Dichlorophenol	162.00	8.624	(0.983)	76510	53.687	53.687
	27 1,2,4-Trichlorobenzene	180.00	8.695	(0.991)	83548	53.765	53.765
*	28 Naphthalene-d8	136.00	8.774	(1.000)	186668	40.000	(M)
	29 Naphthalene	128.00	8.803	(1.003)	265722	51.956	51.956

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.917	(1.016)	107845	46.696	46.696
	31 Hexachlorobutadiene	225.00	8.995	(1.025)	55353	64.942	64.942
	32 4-Chloro-3-Methylphenol	107.00	9.760	(1.112)	97844	57.438	57.438
	33 2-Methylnaphthalene	142.00	9.910	(1.129)	165854	52.533	52.533
	34 Hexachlorocyclopentadiene	237.00	10.181	(0.859)	47443	51.771	51.771
	35 2,4,6-Trichlorophenol	196.00	10.445	(0.881)	49141	48.061	48.061
	36 2,4,5-Trichlorphenol	196.00	10.538	(0.889)	61244	51.448	51.448
$	37 2-Fluorobiphenyl	172.00	10.581	(0.893)	192649	49.449	49.449
	38 2-Chloronaphthalene	162.00	10.774	(0.909)	161119	47.452	47.452
	39 2-Nitroaniline	138.00	11.010	(0.929)	70515	45.014	45.014
	40 Dimethylphthalate	163.00	11.395	(0.961)	203867	48.811	48.811
	41 Acenaphthylene	152.00	11.560	(0.975)	262561	47.943	47.943
	42 2,6-Dinitrotoluene	165.00	11.502	(0.970)	49723	50.957	50.957
	43 3-Nitroaniline	138.00	11.845	(0.999)	54626	46.256	46.256
*	44 Acenaphthene-d10	164.00	11.852	(1.000)	102390	40.000	
	45 Acenaphthene	152.00	11.917	(1.005)	77825	48.734	48.734
	46 2,4-Dinitrophenol	184.00	12.052	(1.017)	22765	42.593	42.593
	47 4-Nitrophenol	109.00	12.381	(1.045)	38569	81.998	81.998
	48 Dibenzofuran	168.00	12.281	(1.036)	232104	48.527	48.527
	49 2,4-Dinitrotoluene	165.00	12.317	(1.039)	68878	52.201	52.201
	50 Fluorene	166.00	13.002	(1.097)	173636	48.106	48.106
	51 Diethylphthalate	149.00	12.895	(1.088)	217808	52.585	52.585
	52 4-Chlorophenyl-phenylether	204.00	13.060	(1.102)	88804	49.793	49.793
	53 4-Nitroaniline	138.00	13.145	(1.109)	62862	53.915	53.915
	54 4,6-Dinitro-o-cresol	198.00	13.188	(0.875)	35721	46.202	46.202
	55 N-nitrosodiphenylamine (1)	169.00	13.338	(0.885)	123342	44.517	44.517
	56 Azobenzene	77.00	13.402	(1.893)	258202	54.110	54.110
$	57 2,4,6-Tribromophenol	330.00	13.545	(1.143)	30953	55.193	55.193
	58 4-Bromophenyl-phenylether	248.00	14.131	(0.937)	48043	48.387	48.387
	59 Hexachlorobenzene	284.00	14.202	(0.942)	53990	48.116	48.116
	60 Pentachlorophenol	266.00	14.710	(0.976)	25181	41.746	41.746
*	61 Phenanthrene-d10	188.00	15.074	(1.000)	168256	40.000	
	62 Phenanthrene	178.00	15.124	(1.003)	255066	47.845	47.845
	63 Anthracene	178.00	15.245	(1.011)	254490	48.136	48.136
	64 Di-n-butylphthalate	149.00	16.659	(1.105)	353041	47.662	47.662
	65 Fluoranthene	202.00	17.881	(1.186)	291961	55.918	55.918
	66 Benzidine	184.00	18.324	(2.588)	20644	19.376	19.376
	67 Pyrene	202.00	18.395	(0.864)	305356	38.682	38.682
$	68 Terphenyl-d14	244.00	18.902	(0.888)	193503	38.656	38.656
	69 Butylbenzylphthalate	149.00	20.181	(0.948)	178963	40.254	40.254
	70 Benzo(a)anthracene	228.00	21.259	(0.999)	279341	44.784	44.784
*	71 Chrysene-d12	240.00	21.281	(1.000)	166397	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.309	(1.001)	89889	40.187	40.187
	73 Chrysene	228.00	21.345	(1.003)	248161	46.136	46.136
	74 bis(2-Ethylhexyl)phthalate	149.00	21.645	(1.017)	229007	37.988	37.988
	75 Di-n-octylphthalate	149.00	23.116	(0.948)	407060	55.881	55.881
	76 Benzo(b)fluoranthene	252.00	23.638	(0.969)	209223	51.399	51.399
	77 Benzo(k)fluoranthene	252.00	23.702	(0.972)	203776	53.644	53.644
	78 Benzo(a)pyrene	252.00	24.288	(0.996)	180643	51.137	51.137

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.395	(1.000)	111312	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.431	(1.083)	146643	43.695	43.695
81 Dibenzo(a,h)anthracene	278.00	26.495	(1.086)	138441	43.777	43.777
82 Benzo(g,h,i)perylene	276.00	26.959	(1.105)	143800	42.819	42.819

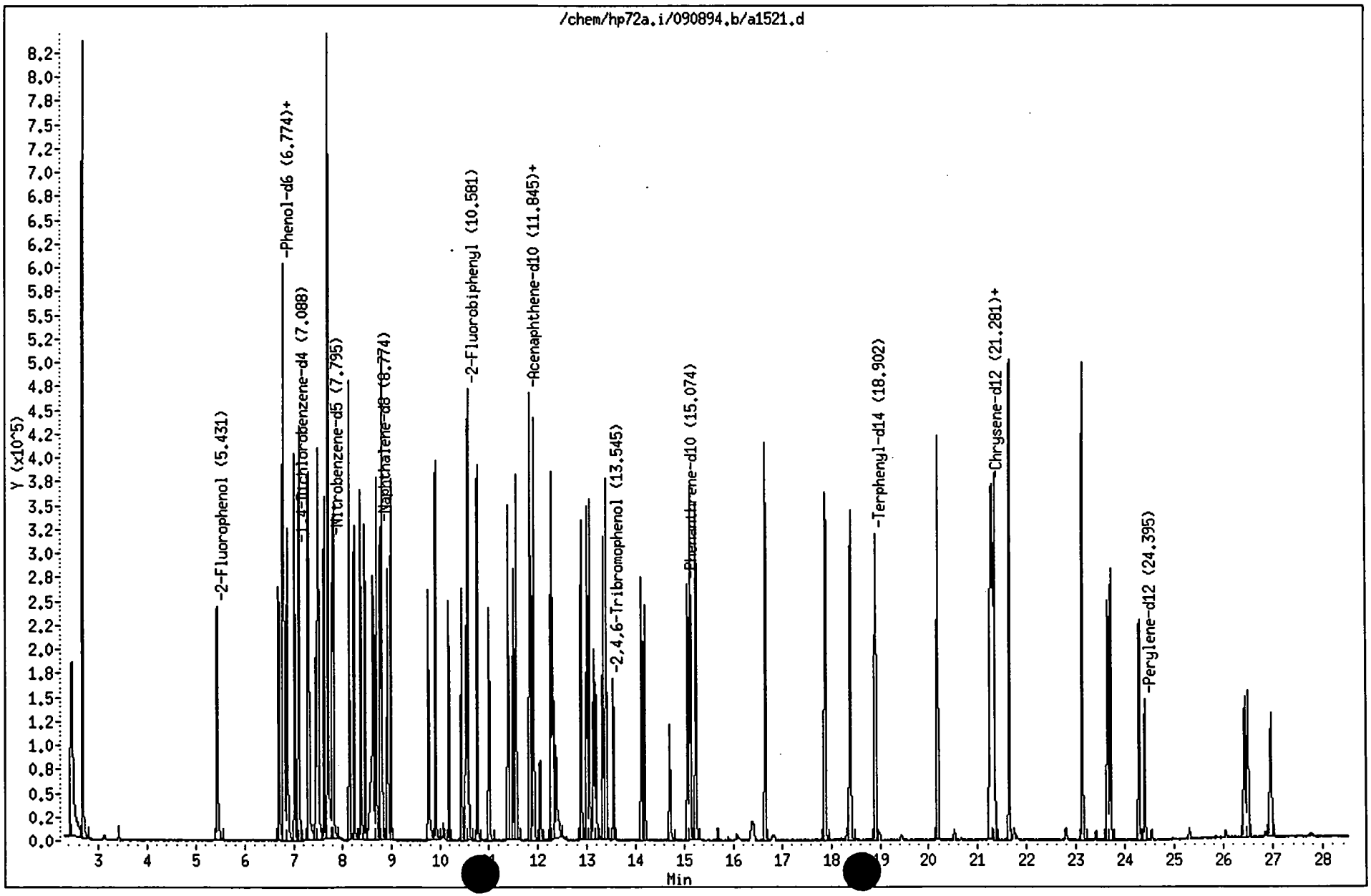
QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/hp72a.i/090894.b/a1521.d
Date : 08-SEP-94 09:42
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

000089



Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1359.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090194.b/ccal02.m
Misc Info: 09305BLK01

Calibration Date: 09/01/94
Calibration Time: 1621
Sample Type: WATER
Level: LOW

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	207101	103550	414202	223523	7.93
28 Naphthalene-d8	706108	353054	1412216	733831	3.93
44 Acenaphthene-d10	353533	176766	707066	392509	11.02
61 Phenanthrene-d10	519552	259776	1039104	521332	0.34
71 Chrysene-d12	323674	161837	647348	363656	12.35
79 Perylene-d12	250302	125151	500604	276051	10.29

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	-0.05
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.12
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.09
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.07
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.12
79 Perylene-d12	24.52	24.02	25.02	24.51	-0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1368.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090194.b/ccal02.m
Misc Info: 0826-45

Calibration Date: 09/01/94
Calibration Time: 1621
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	207101	103550	414202	210170	1.48
28 Naphthalene-d8	706108	353054	1412216	677763	-4.01
44 Acenaphthene-d10	353533	176766	707066	364578	3.12
61 Phenanthrene-d10	519552	259776	1039104	502241	-3.33
71 Chrysene-d12	323674	161837	647348	362235	11.91
79 Perylene-d12	250302	125151	500604	273877	9.42

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.15
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.12
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.15
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.12
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.12
79 Perylene-d12	24.52	24.02	25.02	24.51	-0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1372.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0901BLK01/1000:1/S-1/BNA

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	173194	0.57
28 Naphthalene-d8	577777	288888	1155554	556907	-3.61
44 Acenaphthene-d10	284930	142465	569860	298988	4.93
61 Phenanthrene-d10	402979	201489	805958	410113	1.77
71 Chrysene-d12	263081	131540	526162	306496	16.50
79 Perylene-d12	204133	102066	408266	232717	14.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	0.00
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.08
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	0.00
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.00
71 Chrysene-d12	21.39	20.89	21.89	21.37	-0.07
79 Perylene-d12	24.51	24.01	25.01	24.50	-0.03

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1372A.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0826-30/PRC/TCP/200:1/S-1

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	221379	28.56
28 Naphthalene-d8	577777	288888	1155554	731447	26.60
44 Acenaphthene-d10	284930	142465	569860	398313	39.79
61 Phenanthrene-d10	402979	201489	805958	544635	35.15
71 Chrysene-d12	263081	131540	526162	382626	45.44
79 Perylene-d12	204133	102066	408266	296275	45.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.01
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.09
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	-0.01
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	-0.01
71 Chrysene-d12	21.39	20.89	21.89	21.37	-0.07
79 Perylene-d12	24.51	24.01	25.01	24.51	0.00

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1373.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0826-32/PRC/TCP/200:10/S-1

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	143684	-16.56
28 Naphthalene-d8	577777	288888	1155554	450496	-22.03
44 Acenaphthene-d10	284930	142465	569860	248112	-12.92
61 Phenanthrene-d10	402979	201489	805958	346916	-13.91
71 Chrysene-d12	263081	131540	526162	268850	2.19
79 Perylene-d12	204133	102066	408266	205165	0.51

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.11
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.09
44 Acenaphthene-d10	11.94	11.44	12.44	11.93	-0.07
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.00
71 Chrysene-d12	21.39	20.89	21.89	21.37	-0.07
79 Perylene-d12	24.51	24.01	25.01	24.50	-0.03

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1374.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0826-33/PRC/TCP/200:1/S-1

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	218170	26.69
28 Naphthalene-d8	577777	288888	1155554	682757	18.17
44 Acenaphthene-d10	284930	142465	569860	396353	39.11
61 Phenanthrene-d10	402979	201489	805958	552220	37.03
71 Chrysene-d12	263081	131540	526162	377970	43.67
79 Perylene-d12	204133	102066	408266	282916	38.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.00
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.08
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.06
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.05
71 Chrysene-d12	21.39	20.89	21.89	21.38	-0.03
79 Perylene-d12	24.51	24.01	25.01	24.51	0.00

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1375.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0826-34PRC/TCP/200:1/S-1

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	226523	31.54
28 Naphthalene-d8	577777	288888	1155554	727196	25.86
44 Acenaphthene-d10	284930	142465	569860	422716	48.36
61 Phenanthrene-d10	402979	201489	805958	592102	46.93
71 Chrysene-d12	263081	131540	526162	436373	65.87
79 Perylene-d12	204133	102066	408266	342465	67.77

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.01
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.01
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.07
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.05
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.00
79 Perylene-d12	24.51	24.01	25.01	24.52	0.03

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1376.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0826TBLK01/TCP/200:1/S-1

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	197241	14.54
28 Naphthalene-d8	577777	288888	1155554	641542	11.04
44 Acenaphthene-d10	284930	142465	569860	367902	29.12
61 Phenanthrene-d10	402979	201489	805958	510939	26.79
71 Chrysene-d12	263081	131540	526162	376150	42.98
79 Perylene-d12	204133	102066	408266	288186	41.18

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.02
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.06
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	0.01
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.01
71 Chrysene-d12	21.39	20.89	21.89	21.38	-0.03
79 Perylene-d12	24.51	24.01	25.01	24.51	0.01

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1377.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-31

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	233212	35.43
28 Naphthalene-d8	577777	288888	1155554	716557	24.02
44 Acenaphthene-d10	284930	142465	569860	433647	52.19
61 Phenanthrene-d10	402979	201489	805958	621665	54.27
71 Chrysene-d12	263081	131540	526162	426311	62.05
79 Perylene-d12	204133	102066	408266	326875	60.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.02
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.09
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.07
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.05
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.01
79 Perylene-d12	24.51	24.01	25.01	24.51	0.00

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1378.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-35(MS34)

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	200816	16.61
28 Naphthalene-d8	577777	288888	1155554	653526	13.11
44 Acenaphthene-d10	284930	142465	569860	369792	29.78
61 Phenanthrene-d10	402979	201489	805958	524647	30.19
71 Chrysene-d12	263081	131540	526162	374102	42.20
79 Perylene-d12	204133	102066	408266	278455	36.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.08
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.07
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.11
61 Phenanthrene-d10	15.17	14.67	15.67	15.18	0.09
71 Chrysene-d12	21.39	20.89	21.89	21.39	-0.01
79 Perylene-d12	24.51	24.01	25.01	24.51	0.02

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1379.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-36(MSD34)

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	197653	14.78
28 Naphthalene-d8	577777	288888	1155554	651589	12.78
44 Acenaphthene-d10	284930	142465	569860	363457	27.56
61 Phenanthrene-d10	402979	201489	805958	509720	26.49
71 Chrysene-d12	263081	131540	526162	367363	39.64
79 Perylene-d12	204133	102066	408266	282881	38.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.12
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.10
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.07
61 Phenanthrene-d10	15.17	14.67	15.67	15.18	0.11
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.01
79 Perylene-d12	24.51	24.01	25.01	24.52	0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1381.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-37

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	166149	-3.52
28 Naphthalene-d8	577777	288888	1155554	526491	-8.88
44 Acenaphthene-d10	284930	142465	569860	298035	4.60
61 Phenanthrene-d10	402979	201489	805958	380897	-5.48
71 Chrysene-d12	263081	131540	526162	304496	15.74
79 Perylene-d12	204133	102066	408266	237946	16.56

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.03
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.02
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	0.02
61 Phenanthrene-d10	15.17	14.67	15.67	15.18	0.11
71 Chrysene-d12	21.39	20.89	21.89	21.40	0.04
79 Perylene-d12	24.51	24.01	25.01	24.53	0.07

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1382.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-38

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	212261	23.26
28 Naphthalene-d8	577777	288888	1155554	657458	13.79
44 Acenaphthene-d10	284930	142465	569860	382194	34.14
61 Phenanthrene-d10	402979	201489	805958	459059	13.92
71 Chrysene-d12	263081	131540	526162	330847	25.76
79 Perylene-d12	204133	102066	408266	235866	15.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.09
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.07
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	0.05
61 Phenanthrene-d10	15.17	14.67	15.67	15.19	0.14
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.03
79 Perylene-d12	24.51	24.01	25.01	24.52	0.06

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1383.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-39

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	192476	11.77
28 Naphthalene-d8	577777	288888	1155554	541312	-6.31
44 Acenaphthene-d10	284930	142465	569860	344226	20.81
61 Phenanthrene-d10	402979	201489	805958	469499	16.51
71 Chrysene-d12	263081	131540	526162	354503	34.75
79 Perylene-d12	204133	102066	408266	269015	31.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.00
28 Naphthalene-d8	8.85	8.35	9.35	8.86	0.16
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.12
61 Phenanthrene-d10	15.17	14.67	15.67	15.19	0.14
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.00
79 Perylene-d12	24.51	24.01	25.01	24.52	0.03

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1384.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-40

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	106052	-38.42
28 Naphthalene-d8	577777	288888	1155554	291392	-49.57
44 Acenaphthene-d10	284930	142465	569860	183014	-35.77
61 Phenanthrene-d10	402979	201489	805958	259528	-35.60
71 Chrysene-d12	263081	131540	526162	242600	-7.79
79 Perylene-d12	204133	102066	408266	204715	0.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.01
28 Naphthalene-d8	8.85	8.35	9.35	8.86	0.17
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.07
61 Phenanthrene-d10	15.17	14.67	15.67	15.18	0.10
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.00
79 Perylene-d12	24.51	24.01	25.01	24.51	0.00

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1385.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-41

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	205158	19.14
28 Naphthalene-d8	577777	288888	1155554	675449	16.90
44 Acenaphthene-d10	284930	142465	569860	389432	36.68
61 Phenanthrene-d10	402979	201489	805958	545995	35.49
71 Chrysene-d12	263081	131540	526162	410625	56.08
79 Perylene-d12	204133	102066	408266	322506	57.99

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.01
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.08
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	0.00
61 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.05
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.00
79 Perylene-d12	24.51	24.01	25.01	24.51	0.00

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1386.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: 0829SBLK02/1000;1/S-1/BNA

Calibration Date: 09/02/94
Calibration Time: 0815
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	172205	86102	344410	107940	-37.32
28 Naphthalene-d8	577777	288888	1155554	362146	-37.32
44 Acenaphthene-d10	284930	142465	569860	190478	-33.15
61 Phenanthrene-d10	402979	201489	805958	278696	-30.84
71 Chrysene-d12	263081	131540	526162	220834	-16.06
79 Perylene-d12	204133	102066	408266	176774	-13.40

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.01
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.07
44 Acenaphthene-d10	11.94	11.44	12.44	11.93	-0.05
61 Phenanthrene-d10	15.17	14.67	15.67	15.16	-0.04
71 Chrysene-d12	21.39	20.89	21.89	21.37	-0.06
79 Perylene-d12	24.51	24.01	25.01	24.50	-0.03

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.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1432.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: 0829SBLK01/BNA/5;2/S-2

Calibration Date: 09/03/94
Calibration Time: 1412
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	155766	77883	311532	123024	-21.02
28 Naphthalene-d8	519450	259725	1038900	405715	-21.90
44 Acenaphthene-d10	260735	130367	521470	227309	-12.82
61 Phenanthrene-d10	387921	193960	775842	325323	-16.14
71 Chrysene-d12	250851	125425	501702	248831	-0.81
79 Perylene-d12	190835	95417	381670	191386	0.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.14	6.64	7.64	7.17	0.33
28 Naphthalene-d8	8.84	8.34	9.34	8.85	0.02
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.02
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.03
71 Chrysene-d12	21.39	20.89	21.89	21.39	-0.02
79 Perylene-d12	24.52	24.02	25.02	24.52	0.01

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1433.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: 0829SPK01/BNA/5;2/S-2

Calibration Date: 09/03/94
Calibration Time: 1412
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	155766	77883	311532	137531	-11.71
28 Naphthalene-d8	519450	259725	1038900	472603	-9.02
44 Acenaphthene-d10	260735	130367	521470	276541	6.06
61 Phenanthrene-d10	387921	193960	775842	430703	11.03
71 Chrysene-d12	250851	125425	501702	363352	44.85
79 Perylene-d12	190835	95417	381670	284654	49.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.14	6.64	7.64	7.17	0.41
28 Naphthalene-d8	8.84	8.34	9.34	8.85	0.09
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	0.00
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	0.00
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.00
79 Perylene-d12	24.52	24.02	25.02	24.53	0.06

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.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1434.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: 0829SPKD01/BNA/5;2/S-2

Calibration Date: 09/03/94
Calibration Time: 1412
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	155766	77883	311532	143319	-7.99
28 Naphthalene-d8	519450	259725	1038900	487369	-6.18
44 Acenaphthene-d10	260735	130367	521470	279313	7.13
61 Phenanthrene-d10	387921	193960	775842	406849	4.88
71 Chrysene-d12	250851	125425	501702	305837	21.92
79 Perylene-d12	190835	95417	381670	242939	27.30

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.14	6.64	7.64	7.18	0.44
28 Naphthalene-d8	8.84	8.34	9.34	8.85	0.11
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.02
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	-0.03
71 Chrysene-d12	21.39	20.89	21.89	21.39	-0.02
79 Perylene-d12	24.52	24.02	25.02	24.52	0.01

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1435.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: PRC/BNA/5:20/S-20/0826-30

Calibration Date: 09/03/94
Calibration Time: 1412
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	155766	77883	311532	148483	-4.68
28 Naphthalene-d8	519450	259725	1038900	496769	-4.37
44 Acenaphthene-d10	260735	130367	521470	266088	2.05
61 Phenanthrene-d10	387921	193960	775842	378421	-2.45
71 Chrysene-d12	250851	125425	501702	292283	16.52
79 Perylene-d12	190835	95417	381670	232551	21.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.14	6.64	7.64	7.15	0.04
28 Naphthalene-d8	8.84	8.34	9.34	8.85	0.03
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.02
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	0.02
71 Chrysene-d12	21.39	20.89	21.89	21.40	0.05
79 Perylene-d12	24.52	24.02	25.02	24.53	0.07

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1436.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-31

Calibration Date: 09/03/94
Calibration Time: 1412
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	155766	77883	311532	131233	-15.75
28 Naphthalene-d8	519450	259725	1038900	428883	-17.44
44 Acenaphthene-d10	260735	130367	521470	230926	-11.43
61 Phenanthrene-d10	387921	193960	775842	325425	-16.11
71 Chrysene-d12	250851	125425	501702	246414	-1.77
79 Perylene-d12	190835	95417	381670	193337	1.31

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.14	6.64	7.64	7.15	0.03
28 Naphthalene-d8	8.84	8.34	9.34	8.85	0.02
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.02
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	0.01
71 Chrysene-d12	21.39	20.89	21.89	21.40	0.01
79 Perylene-d12	24.52	24.02	25.02	24.52	0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1437.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/0826-32

Calibration Date: 09/03/94
Calibration Time: 1412
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	155766	77883	311532	123975	-20.41
28 Naphthalene-d8	519450	259725	1038900	397279	-23.52
44 Acenaphthene-d10	260735	130367	521470	218836	-16.07
61 Phenanthrene-d10	387921	193960	775842	298750	-22.99
71 Chrysene-d12	250851	125425	501702	242507	-3.33
79 Perylene-d12	190835	95417	381670	187517	-1.74

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.14	6.64	7.64	7.14	-0.01
28 Naphthalene-d8	8.84	8.34	9.34	8.84	-0.01
44 Acenaphthene-d10	11.94	11.44	12.44	11.94	0.00
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	0.00
71 Chrysene-d12	21.39	20.89	21.89	21.40	0.03
79 Perylene-d12	24.52	24.02	25.02	24.53	0.06

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1438.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2 /0826-33

Calibration Date: 09/03/94
Calibration Time: 1412
Sample Type: SOIL
Level: LOW

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	155766	77883	311532	122848	-21.13
28 Naphthalene-d8	519450	259725	1038900	389616	-24.99
44 Acenaphthene-d10	260735	130367	521470	213856	-17.98
61 Phenanthrene-d10	387921	193960	775842	292041	-24.72
71 Chrysene-d12	250851	125425	501702	226166	-9.84
79 Perylene-d12	190835	95417	381670	175464	-8.05

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.14	6.64	7.64	7.15	0.01
28 Naphthalene-d8	8.84	8.34	9.34	8.85	0.01
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.00
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	0.00
71 Chrysene-d12	21.39	20.89	21.89	21.39	0.00
79 Perylene-d12	24.52	24.02	25.02	24.52	0.03

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1453.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/0826-34

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	168117	14.64
28 Naphthalene-d8	485317	242658	970634	570715	17.60
44 Acenaphthene-d10	263891	131945	527782	314728	19.26
61 Phenanthrene-d10	401667	200833	803334	439291	9.37
71 Chrysene-d12	263248	131624	526496	363061	37.92
79 Perylene-d12	208045	104022	416090	278970	34.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.09
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.07
44 Acenaphthene-d10	11.95	11.45	12.45	11.95	0.01
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	0.00
71 Chrysene-d12	21.40	20.90	21.90	21.40	0.00
79 Perylene-d12	24.52	24.02	25.02	24.53	0.03

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1454.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/0826-37

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	109765	-25.15
28 Naphthalene-d8	485317	242658	970634	347448	-28.41
44 Acenaphthene-d10	263891	131945	527782	194227	-26.40
61 Phenanthrene-d10	401667	200833	803334	255890	-36.29
71 Chrysene-d12	263248	131624	526496	205204	-22.05
79 Perylene-d12	208045	104022	416090	207647	-0.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.03
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.02
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.02
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	-0.01
71 Chrysene-d12	21.40	20.90	21.90	21.39	-0.04
79 Perylene-d12	24.52	24.02	25.02	24.53	0.02

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1455.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/0826-38

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	87470	-40.35
28 Naphthalene-d8	485317	242658	970634	271151	-44.13
44 Acenaphthene-d10	263891	131945	527782	154685	-41.38
61 Phenanthrene-d10	401667	200833	803334	211137	-47.43
71 Chrysene-d12	263248	131624	526496	172545	-34.46
79 Perylene-d12	208045	104022	416090	172501	-17.08

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	-0.02
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.10
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.07
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.06
71 Chrysene-d12	21.40	20.90	21.90	21.39	-0.04
79 Perylene-d12	24.52	24.02	25.02	24.53	0.02

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1456.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/0826-39

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	95792	-34.68
28 Naphthalene-d8	485317	242658	970634	305944	-36.96
44 Acenaphthene-d10	263891	131945	527782	168726	-36.06
61 Phenanthrene-d10	401667	200833	803334	246768	-38.56
71 Chrysene-d12	263248	131624	526496	186253	-29.25
79 Perylene-d12	208045	104022	416090	188350	-9.47

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.01
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.07
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.05
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	0.01
71 Chrysene-d12	21.40	20.90	21.90	21.40	-0.03
79 Perylene-d12	24.52	24.02	25.02	24.53	0.00

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1457.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/0826-40

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	125207	-14.62
28 Naphthalene-d8	485317	242658	970634	418952	-13.67
44 Acenaphthene-d10	263891	131945	527782	229172	-13.16
61 Phenanthrene-d10	401667	200833	803334	318593	-20.68
71 Chrysene-d12	263248	131624	526496	237341	-9.84
79 Perylene-d12	208045	104022	416090	229375	10.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	-0.02
28 Naphthalene-d8	8.85	8.35	9.35	8.85	-0.01
44 Acenaphthene-d10	11.95	11.45	12.45	11.95	-0.01
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	-0.01
71 Chrysene-d12	21.40	20.90	21.90	21.40	-0.04
79 Perylene-d12	24.52	24.02	25.02	24.53	0.02

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1458.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-41

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	106679	-27.25
28 Naphthalene-d8	485317	242658	970634	355335	-26.78
44 Acenaphthene-d10	263891	131945	527782	192278	-27.14
61 Phenanthrene-d10	401667	200833	803334	267672	-33.36
71 Chrysene-d12	263248	131624	526496	198333	-24.66
79 Perylene-d12	208045	104022	416090	187453	-9.90

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.09
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.07
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.05
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	-0.04
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.10
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.03

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1459.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-48

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	120409	-17.89
28 Naphthalene-d8	485317	242658	970634	402618	-17.04
44 Acenaphthene-d10	263891	131945	527782	219331	-16.89
61 Phenanthrene-d10	401667	200833	803334	314651	-21.66
71 Chrysene-d12	263248	131624	526496	226415	-13.99
79 Perylene-d12	208045	104022	416090	221627	6.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.03
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.10
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.08
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.06
71 Chrysene-d12	21.40	20.90	21.90	21.39	-0.08
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.01

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1460.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-49

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	109256	-25.50
28 Naphthalene-d8	485317	242658	970634	366540	-24.47
44 Acenaphthene-d10	263891	131945	527782	198798	-24.67
61 Phenanthrene-d10	401667	200833	803334	275467	-31.42
71 Chrysene-d12	263248	131624	526496	197974	-24.80
79 Perylene-d12	208045	104022	416090	196514	-5.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.11
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.09
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.07
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.10
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.10
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.03

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1461.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-50

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	125364	-14.51
28 Naphthalene-d8	485317	242658	970634	413530	-14.79
44 Acenaphthene-d10	263891	131945	527782	231941	-12.11
61 Phenanthrene-d10	401667	200833	803334	316586	-21.18
71 Chrysene-d12	263248	131624	526496	223177	-15.22
79 Perylene-d12	208045	104022	416090	212063	1.93

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.10
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.08
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.06
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.10
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.10
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.03

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1462.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-50MS-51

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	115068	-21.53
28 Naphthalene-d8	485317	242658	970634	389714	-19.70
44 Acenaphthene-d10	263891	131945	527782	217128	-17.72
61 Phenanthrene-d10	401667	200833	803334	308345	-23.23
71 Chrysene-d12	263248	131624	526496	217123	-17.52
79 Perylene-d12	208045	104022	416090	213441	2.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.13
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.10
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.08
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.11
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.11
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1463.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-50MSD-52

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	121286	-17.29
28 Naphthalene-d8	485317	242658	970634	403692	-16.82
44 Acenaphthene-d10	263891	131945	527782	229157	-13.16
61 Phenanthrene-d10	401667	200833	803334	318636	-20.67
71 Chrysene-d12	263248	131624	526496	223466	-15.11
79 Perylene-d12	208045	104022	416090	217286	4.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.11
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.09
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.07
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.10
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.10
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.03

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1464.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/BNA/5:200/S-2/0826-53

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	128978	-12.05
28 Naphthalene-d8	485317	242658	970634	452106	-6.84
44 Acenaphthene-d10	263891	131945	527782	243262	-7.82
61 Phenanthrene-d10	401667	200833	803334	351786	-12.42
71 Chrysene-d12	263248	131624	526496	245536	-6.73
79 Perylene-d12	208045	104022	416090	246352	18.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.12
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.10
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.07
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.10
71 Chrysene-d12	21.40	20.90	21.90	21.39	-0.07
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.03

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1465.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-50T

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	119505	-18.51
28 Naphthalene-d8	485317	242658	970634	411320	-15.25
44 Acenaphthene-d10	263891	131945	527782	217943	-17.41
61 Phenanthrene-d10	401667	200833	803334	303529	-24.43
71 Chrysene-d12	263248	131624	526496	208670	-20.73
79 Perylene-d12	208045	104022	416090	196129	-5.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.14	-0.03
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.11
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.08
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.11
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.11
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.04

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1466.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-51MST

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	137570	-6.19
28 Naphthalene-d8	485317	242658	970634	467303	-3.71
44 Acenaphthene-d10	263891	131945	527782	255674	-3.11
61 Phenanthrene-d10	401667	200833	803334	348003	-13.36
71 Chrysene-d12	263248	131624	526496	207594	-21.14
79 Perylene-d12	208045	104022	416090	229337	10.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.08
28 Naphthalene-d8	8.85	8.35	9.35	8.85	-0.02
44 Acenaphthene-d10	11.95	11.45	12.45	11.94	-0.01
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.06
71 Chrysene-d12	21.40	20.90	21.90	21.41	0.03
79 Perylene-d12	24.52	24.02	25.02	24.53	0.02

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1467.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-51MSDT

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: WATER
Level: LOW

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	133992	-8.63
28 Naphthalene-d8	485317	242658	970634	455832	-6.08
44 Acenaphthene-d10	263891	131945	527782	250513	-5.07
61 Phenanthrene-d10	401667	200833	803334	354100	-11.84
71 Chrysene-d12	263248	131624	526496	186124	-29.30
79 Perylene-d12	208045	104022	416090	193641	-6.92

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	-0.02
28 Naphthalene-d8	8.85	8.35	9.35	8.85	-0.02
44 Acenaphthene-d10	11.95	11.45	12.45	11.95	-0.01
61 Phenanthrene-d10	15.18	14.68	15.68	15.18	-0.01
71 Chrysene-d12	21.40	20.90	21.90	21.40	-0.01
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.01

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1468.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: BLK/TCP/200:1/S-1/0829TBLK

Calibration Date: 09/05/94
Calibration Time: 1443
Sample Type: WATER
Level: LOW

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	146645	73322	293290	128872	-12.12
28 Naphthalene-d8	485317	242658	970634	445909	-8.12
44 Acenaphthene-d10	263891	131945	527782	227481	-13.80
61 Phenanthrene-d10	401667	200833	803334	316547	-21.19
71 Chrysene-d12	263248	131624	526496	216401	-17.80
79 Perylene-d12	208045	104022	416090	202357	-2.73

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.01
28 Naphthalene-d8	8.85	8.35	9.35	8.84	-0.08
44 Acenaphthene-d10	11.95	11.45	12.45	11.93	-0.12
61 Phenanthrene-d10	15.18	14.68	15.68	15.17	-0.09
71 Chrysene-d12	21.40	20.90	21.90	21.38	-0.10
79 Perylene-d12	24.52	24.02	25.02	24.52	-0.03

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1483.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090694.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/082634MS-35

Calibration Date: 09/06/94
Calibration Time: 1055
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	148616	74308	297232	104569	-29.64
28 Naphthalene-d8	514466	257233	1028932	341176	-33.68
44 Acenaphthene-d10	281487	140743	562974	171589	-39.04
61 Phenanthrene-d10	423291	211645	846582	225386	-46.75
71 Chrysene-d12	276075	138037	552150	170396	-38.28
79 Perylene-d12	211604	105802	423208	169906	-19.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.08
28 Naphthalene-d8	8.85	8.35	9.35	8.86	0.15
44 Acenaphthene-d10	11.94	11.44	12.44	11.96	0.11
61 Phenanthrene-d10	15.17	14.67	15.67	15.20	0.18
71 Chrysene-d12	21.40	20.90	21.90	21.42	0.09
79 Perylene-d12	24.52	24.02	25.02	24.56	0.17

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1484.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090694.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/082634MSD-36

Calibration Date: 09/06/94
Calibration Time: 1055
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	148616	74308	297232	98091	-34.00
28 Naphthalene-d8	514466	257233	1028932	311422	-39.47
44 Acenaphthene-d10	281487	140743	562974	172654	-38.66
61 Phenanthrene-d10	423291	211645	846582	239841	-43.34
71 Chrysene-d12	276075	138037	552150	192418	-30.30
79 Perylene-d12	211604	105802	423208	198931	-5.99

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.11
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.09
44 Acenaphthene-d10	11.94	11.44	12.44	11.96	0.13
61 Phenanthrene-d10	15.17	14.67	15.67	15.20	0.20
71 Chrysene-d12	21.40	20.90	21.90	21.42	0.10
79 Perylene-d12	24.52	24.02	25.02	24.57	0.21

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1485.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090694.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-48T

Calibration Date: 09/06/94
Calibration Time: 1055
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	148616	74308	297232	121276	-18.40
28 Naphthalene-d8	514466	257233	1028932	411136	-20.08
44 Acenaphthene-d10	281487	140743	562974	222032	-21.12
61 Phenanthrene-d10	423291	211645	846582	314639	-25.67
71 Chrysene-d12	276075	138037	552150	239585	-13.22
79 Perylene-d12	211604	105802	423208	238972	12.93

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.12
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.09
44 Acenaphthene-d10	11.94	11.44	12.44	11.96	0.13
61 Phenanthrene-d10	15.17	14.67	15.67	15.20	0.15
71 Chrysene-d12	21.40	20.90	21.90	21.42	0.07
79 Perylene-d12	24.52	24.02	25.02	24.56	0.18

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1486.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090694.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-49T

Calibration Date: 09/06/94
Calibration Time: 1055
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	148616	74308	297232	128385	-13.61
28 Naphthalene-d8	514466	257233	1028932	442055	-14.07
44 Acenaphthene-d10	281487	140743	562974	234506	-16.69
61 Phenanthrene-d10	423291	211645	846582	323518	-23.57
71 Chrysene-d12	276075	138037	552150	226398	-17.99
79 Perylene-d12	211604	105802	423208	212860	0.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.15	0.10
28 Naphthalene-d8	8.85	8.35	9.35	8.85	0.08
44 Acenaphthene-d10	11.94	11.44	12.44	11.96	0.12
61 Phenanthrene-d10	15.17	14.67	15.67	15.19	0.14
71 Chrysene-d12	21.40	20.90	21.90	21.42	0.07
79 Perylene-d12	24.52	24.02	25.02	24.55	0.15

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1487.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090694.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-53T

Calibration Date: 09/06/94
Calibration Time: 1055
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	148616	74308	297232	116751	-21.44
28 Naphthalene-d8	514466	257233	1028932	377739	-26.58
44 Acenaphthene-d10	281487	140743	562974	209592	-25.54
61 Phenanthrene-d10	423291	211645	846582	308591	-27.10
71 Chrysene-d12	276075	138037	552150	238556	-13.59
79 Perylene-d12	211604	105802	423208	227860	7.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.15	6.65	7.65	7.16	0.19
28 Naphthalene-d8	8.85	8.35	9.35	8.86	0.15
44 Acenaphthene-d10	11.94	11.44	12.44	11.95	0.05
61 Phenanthrene-d10	15.17	14.67	15.67	15.19	0.13
71 Chrysene-d12	21.40	20.90	21.90	21.42	0.06
79 Perylene-d12	24.52	24.02	25.02	24.55	0.14

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1494.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090794.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-49T

Calibration Date: 09/07/94
Calibration Time: 1635
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	73020	36510	146040	63161	-13.50
28 Naphthalene-d8	233335	116667	466670	207734	-10.97
44 Acenaphthene-d10	122168	61084	244336	110651	-9.43
61 Phenanthrene-d10	186555	93277	373110	167531	-10.20
71 Chrysene-d12	148037	74018	296074	144520	-2.38
79 Perylene-d12	124889	62444	249778	158283	26.74

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.09	6.59	7.59	7.09	0.00
28 Naphthalene-d8	8.77	8.27	9.27	8.77	-0.08
44 Acenaphthene-d10	11.86	11.36	12.36	11.85	-0.12
61 Phenanthrene-d10	15.08	14.58	15.58	15.07	-0.05
71 Chrysene-d12	21.30	20.80	21.80	21.28	-0.10
79 Perylene-d12	24.42	23.92	24.92	24.41	-0.06

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.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1495.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090794.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-50T

Calibration Date: 09/07/94
Calibration Time: 1635
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	73020	36510	146040	59162	-18.98
28 Naphthalene-d8	233335	116667	466670	184925	-20.75
44 Acenaphthene-d10	122168	61084	244336	94882	-22.33
61 Phenanthrene-d10	186555	93277	373110	138271	-25.88
71 Chrysene-d12	148037	74018	296074	117474	-20.65
79 Perylene-d12	124889	62444	249778	131261	5.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.09	6.59	7.59	7.09	-0.03
28 Naphthalene-d8	8.77	8.27	9.27	8.77	-0.10
44 Acenaphthene-d10	11.86	11.36	12.36	11.85	-0.08
61 Phenanthrene-d10	15.08	14.58	15.58	15.07	-0.06
71 Chrysene-d12	21.30	20.80	21.80	21.28	-0.11
79 Perylene-d12	24.42	23.92	24.92	24.41	-0.07

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1496.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090794.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-41TRE

Calibration Date: 09/07/94
Calibration Time: 1635
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	73020	36510	146040	79960	9.50
28 Naphthalene-d8	233335	116667	466670	248627	6.55
44 Acenaphthene-d10	122168	61084	244336	132371	8.35
61 Phenanthrene-d10	186555	93277	373110	194784	4.41
71 Chrysene-d12	148037	74018	296074	162921	10.05
79 Perylene-d12	124889	62444	249778	191714	53.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.09	6.59	7.59	7.09	-0.01
28 Naphthalene-d8	8.77	8.27	9.27	8.77	-0.09
44 Acenaphthene-d10	11.86	11.36	12.36	11.85	-0.07
61 Phenanthrene-d10	15.08	14.58	15.58	15.07	-0.05
71 Chrysene-d12	21.30	20.80	21.80	21.28	-0.10
79 Perylene-d12	24.42	23.92	24.92	24.42	-0.03

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1497.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090794.b/ccal02.m
Misc Info: PRC/BNA/5:20/S-2/0826-48

Calibration Date: 09/07/94
Calibration Time: 1635
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	73020	36510	146040	60050	-17.76
28 Naphthalene-d8	233335	116667	466670	183363	-21.42
44 Acenaphthene-d10	122168	61084	244336	91619	-25.01
61 Phenanthrene-d10	186555	93277	373110	128671	-31.03
71 Chrysene-d12	148037	74018	296074	104393	-29.48
79 Perylene-d12	124889	62444	249778	126882	1.60

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.09	6.59	7.59	7.08	-0.13
28 Naphthalene-d8	8.77	8.27	9.27	8.77	-0.11
44 Acenaphthene-d10	11.86	11.36	12.36	11.84	-0.14
61 Phenanthrene-d10	15.08	14.58	15.58	15.07	-0.06
71 Chrysene-d12	21.30	20.80	21.80	21.28	-0.11
79 Perylene-d12	24.42	23.92	24.92	24.41	-0.07

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.

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1498.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090794.b/ccal02.m
Misc Info: PRC/BNA/5:20/S-2/0826-49

Calibration Date: 09/07/94
Calibration Time: 1635
Sample Type: SOIL
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	73020	36510	146040	52077	-28.68
28 Naphthalene-d8	233335	116667	466670	167298	-28.30
44 Acenaphthene-d10	122168	61084	244336	88313	-27.71
61 Phenanthrene-d10	186555	93277	373110	127348	-31.74
71 Chrysene-d12	148037	74018	296074	110285	-25.50
79 Perylene-d12	124889	62444	249778	135060	8.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.09	6.59	7.59	7.08	-0.12
28 Naphthalene-d8	8.77	8.27	9.27	8.77	-0.09
44 Acenaphthene-d10	11.86	11.36	12.36	11.84	-0.13
61 Phenanthrene-d10	15.08	14.58	15.58	15.07	-0.05
71 Chrysene-d12	21.30	20.80	21.80	21.28	-0.11
79 Perylene-d12	24.42	23.92	24.92	24.41	-0.06

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

Data File: /chem/hp72a.i/090794.b/a1499.d
Report Date: 08-Sep-1994 13:13

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1499.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090794.b/ccal02.m
Misc Info: PRC/BNA/5:400/S-2/0826-34

Calibration Date: 09/07/94
Calibration Time: 1635
Sample Type: SOIL
Level: LOW

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	73020	36510	146040	89966	23.21
28 Naphthalene-d8	233335	116667	466670	290517	24.51
44 Acenaphthene-d10	122168	61084	244336	148431	21.50
61 Phenanthrene-d10	186555	93277	373110	208892	11.97
71 Chrysene-d12	148037	74018	296074	184891	24.90
79 Perylene-d12	124889	62444	249778	211897	69.67

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.09	6.59	7.59	7.08	-0.11
28 Naphthalene-d8	8.77	8.27	9.27	8.77	-0.09
44 Acenaphthene-d10	11.86	11.36	12.36	11.85	-0.07
61 Phenanthrene-d10	15.08	14.58	15.58	15.07	-0.05
71 Chrysene-d12	21.30	20.80	21.80	21.29	-0.07
79 Perylene-d12	24.42	23.92	24.92	24.42	0.00

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

Inchcape Testing Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp72a.i
Lab File ID: a1522.d
Lab Sample ID:
Analysis Type: SV
Quant Type: ISTD
Method File: /chem/hp72a.i/090894.b/ccal02.m
Misc Info: 0907SBLK02/1000:1/s-1

Calibration Date: 09/08/94
Calibration Time: 0942
Sample Type: WATER
Level: LOW

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	56160	28080	112320	44887	-20.07
28 Naphthalene-d8	186668	93334	373336	144516	-22.58
44 Acenaphthene-d10	102390	51195	204780	77015	-24.78
61 Phenanthrene-d10	168256	84128	336512	118560	-29.54
71 Chrysene-d12	166397	83198	332794	115746	-30.44
79 Perylene-d12	111312	55656	222624	105839	-4.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
10 1,4-Dichlorobenzene-	7.08	6.58	7.58	7.08	0.03
28 Naphthalene-d8	8.77	8.27	9.27	8.77	-0.06
44 Acenaphthene-d10	11.85	11.35	12.35	11.85	-0.04
61 Phenanthrene-d10	15.07	14.57	15.57	15.06	-0.08
71 Chrysene-d12	21.28	20.78	21.78	21.26	-0.09
79 Perylene-d12	24.39	23.89	24.89	24.39	-0.02

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.

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/a1432.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-SEP-94 21:08 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0829SBLK01/BNA/5;2/S-2
Misc Info : 0829SBLK01/BNA/5;2/S-2
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 13
Dil Factor: 12.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.618	(0.365)	13715	4.027	1.611(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.682	(0.793)	263373	46.702	18.681(a)
$	4 Phenol-d6	99.00	6.882	(0.960)	362147	70.945	28.378(a)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.168	(1.000)	123024	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.875	(0.890)	209615	36.173	14.469(a)
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.847	(1.000)	405715	40.000	(a)
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.661	(0.892)	300084	32.775	13.110(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.946	(1.000)	227309	40.000	(a)
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.646	(1.142)	68360	49.951	19.980(a)
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.175	(1.000)	325323	40.000	(a)
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.011	(0.889)	253704	30.865	12.346(a)
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.389	(1.000)	248831	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	23.218	(0.947)	5308	0.327	0.131(a)
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

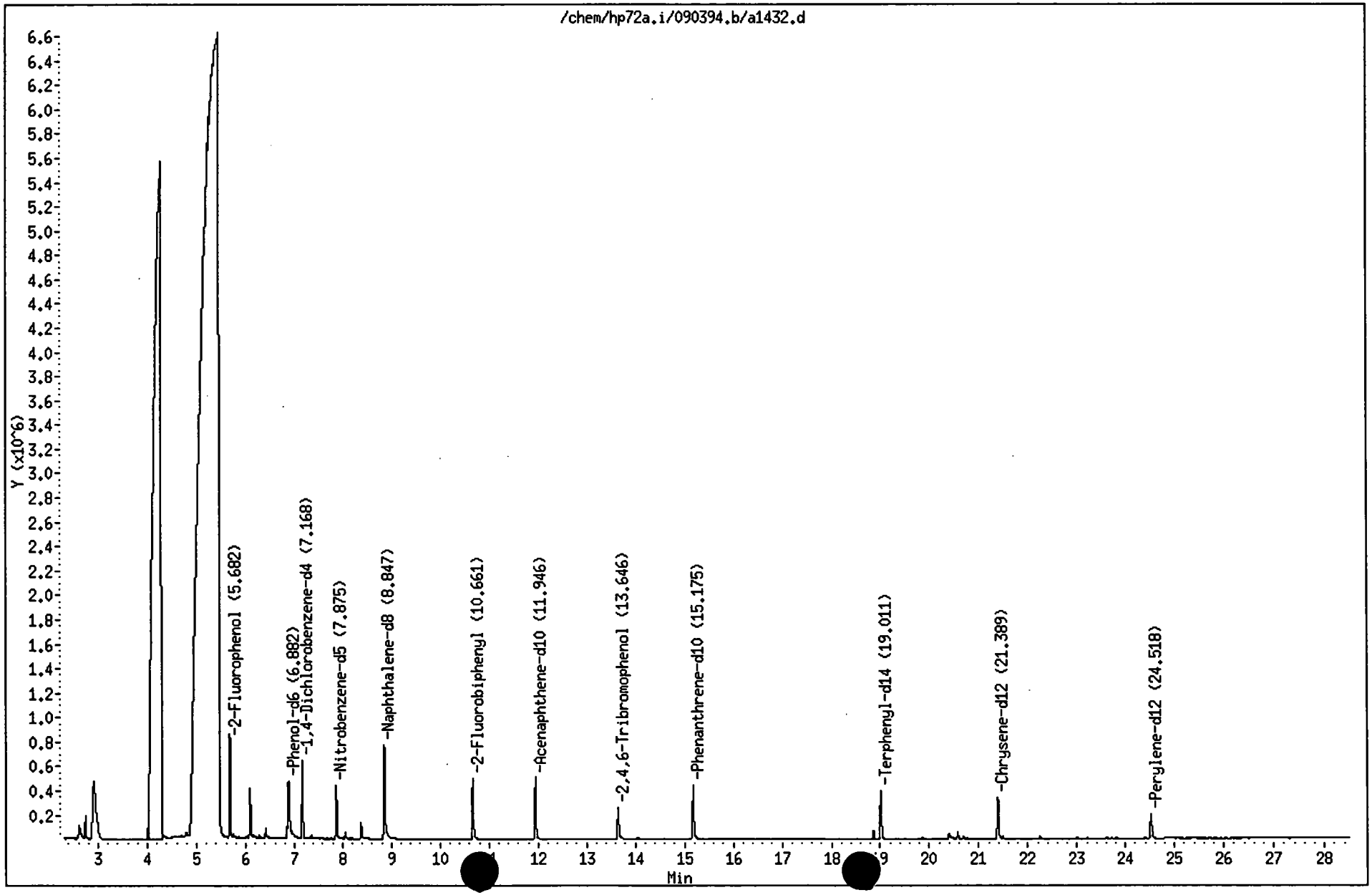
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.518	(1.000)	191386	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

0000345

Data File: /chem/hp72a.i/090394.b/a1432.d
Date : 03-SEP-94 21:08
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1386.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 19:30 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0829SBLK02/1000;1/S-1/BNA
Misc Info : 0829SBLK02/1000;1/S-1/BNA
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 18
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.618	(0.366)	2868	1.134	1.134(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.510	(0.771)	225624	46.031	46.031
$	4 Phenol-d6	99.00	6.839	(0.957)	158694	34.961	34.961
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.146	(1.000)	107940	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.853	(0.888)	180453	36.998	36.998
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.839	(1.000)	362146	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.653	(0.893)	271990	34.625	34.625
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.932	(1.000)	190478	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.639	(1.143)	59814	58.621	58.621
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.160	(1.000)	278696	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.003	(0.889)	272721	38.419	38.419
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.374	(1.000)	220834	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.731	(1.017)	4832	0.568	0.568(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.503	(1.000)	176774	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

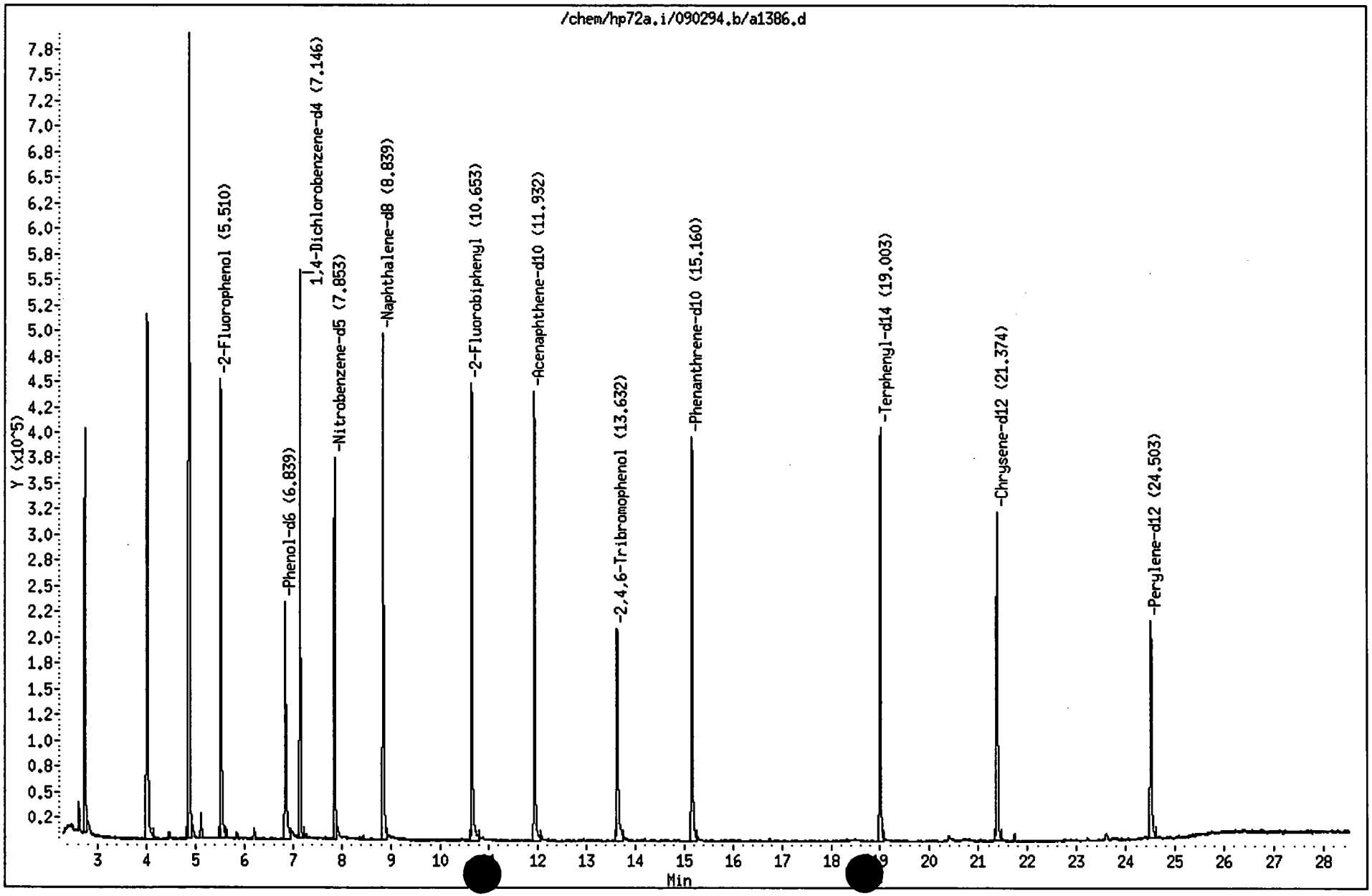
QC Flag Legend

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

Data File: /chem/hp72a.i/090294.b/a1386.d
Date : 02-SEP-94 19:30
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000349



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090194.b/a1359.d
Lab. Id. : Quant Type: ISTD
Inj Date : 01-SEP-94 21:19 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0830SBLK01/BNA/1000:1/S-1
Misc Info :
Comment :
Method : /chem/hp72a.i/090194.b/ccal02.m
Meth Date : 02-Sep-1994 08:44 lgb
Cal Date : 01-SEP-94 16:21 Cal File: a1351.d
Als bottle: 10
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.616	(0.366)	3109	0.605	0.605(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.523	(0.772)	530180	51.367	51.367
$	4 Phenol-d6	99.00	6.837	(0.956)	444976	46.016	46.016
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.151	(1.000)	223523	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	7.858	(1.099)	55398	7.363	7.363(aQ)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.858	(0.889)	404725	41.451	41.451
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.844	(1.000)	733831	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.665	(0.893)	599950	37.504	37.504
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.944	(1.000)	392509	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.644	(1.142)	159487	71.056	71.056
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.172	(1.000)	521332	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	16.744	(1.104)	9663	0.398	0.398(a)
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	19.015	(0.889)	489853	40.952	40.952
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.379	(1.000)	363656	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.736	(1.017)	7156	0.503	0.503(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

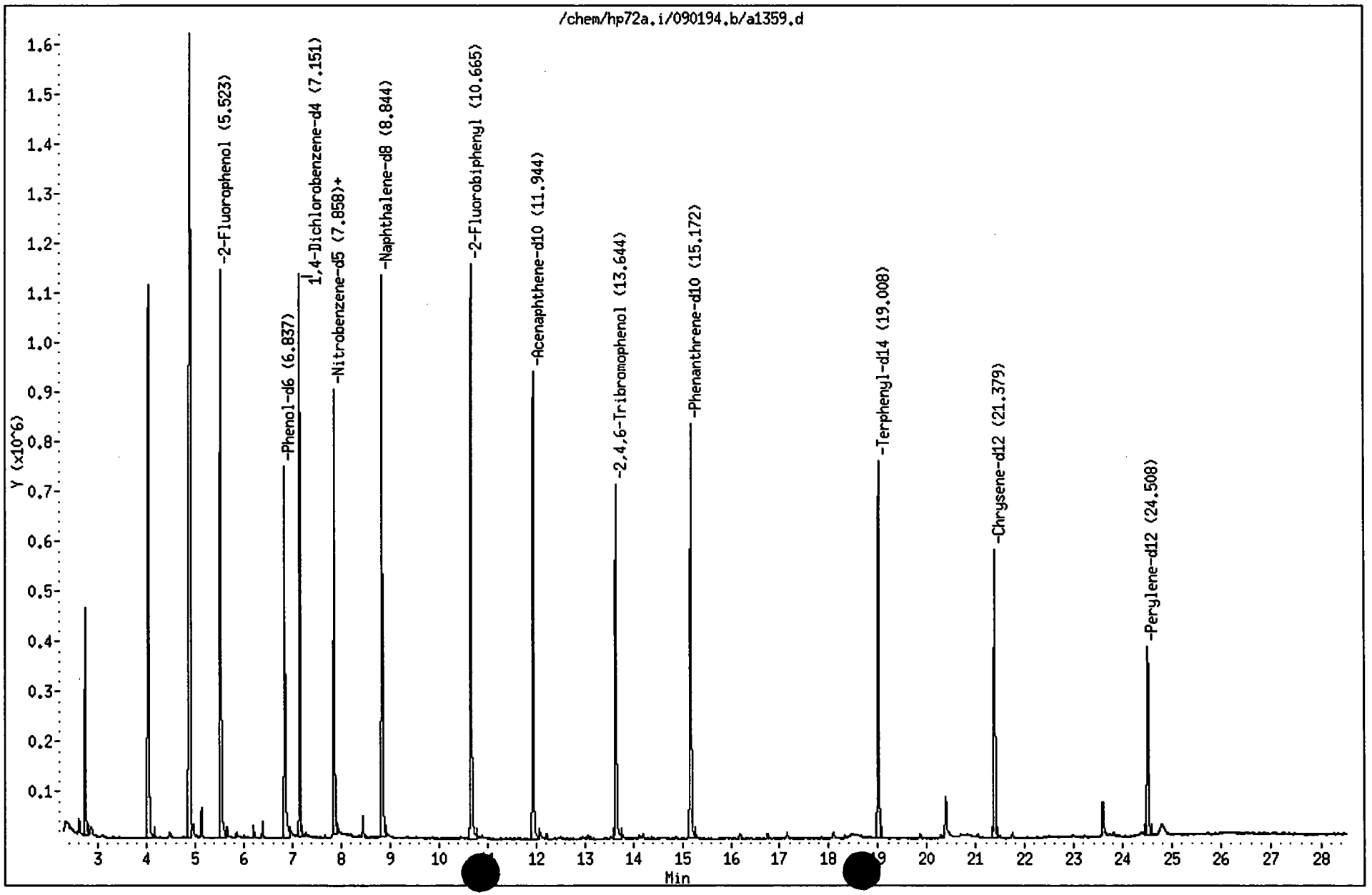
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.508	(1.000)	276051	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

0000353

Data File: /chem/hp72a.i/090194.b/a1359.d
Date : 01-SEP-94 21:19
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090894.b/a1522.d
Lab. Id. : Quant Type: ISTD
Inj Date : 08-SEP-94 10:21 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0907SBLK02
Misc Info : 0907SBLK02/1000:1/s-1
Comment :
Method : /chem/hp72a.i/090894.b/ccal02.m
Meth Date : 09-Sep-1994 13:34 jmk
Cal Date : 08-SEP-94 09:42 Cal File: a1521.d
Als bottle: 3
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.676	(0.378)	2937	45.841	45.841
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	Compound Not Detected.				
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	Compound Not Detected.				
	10 1,4-Dichlorobenzene-d4	152.00	7.083	(1.000)	44887	40.000	
	11 1,4-Dichlorobenzene	146.00	Compound Not Detected.				
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	Compound Not Detected.				
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.790	(0.888)	85993	41.529	41.529
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.769	(1.000)	144516	40.000	
	29 Naphthalene	128.00	Compound Not Detected.				

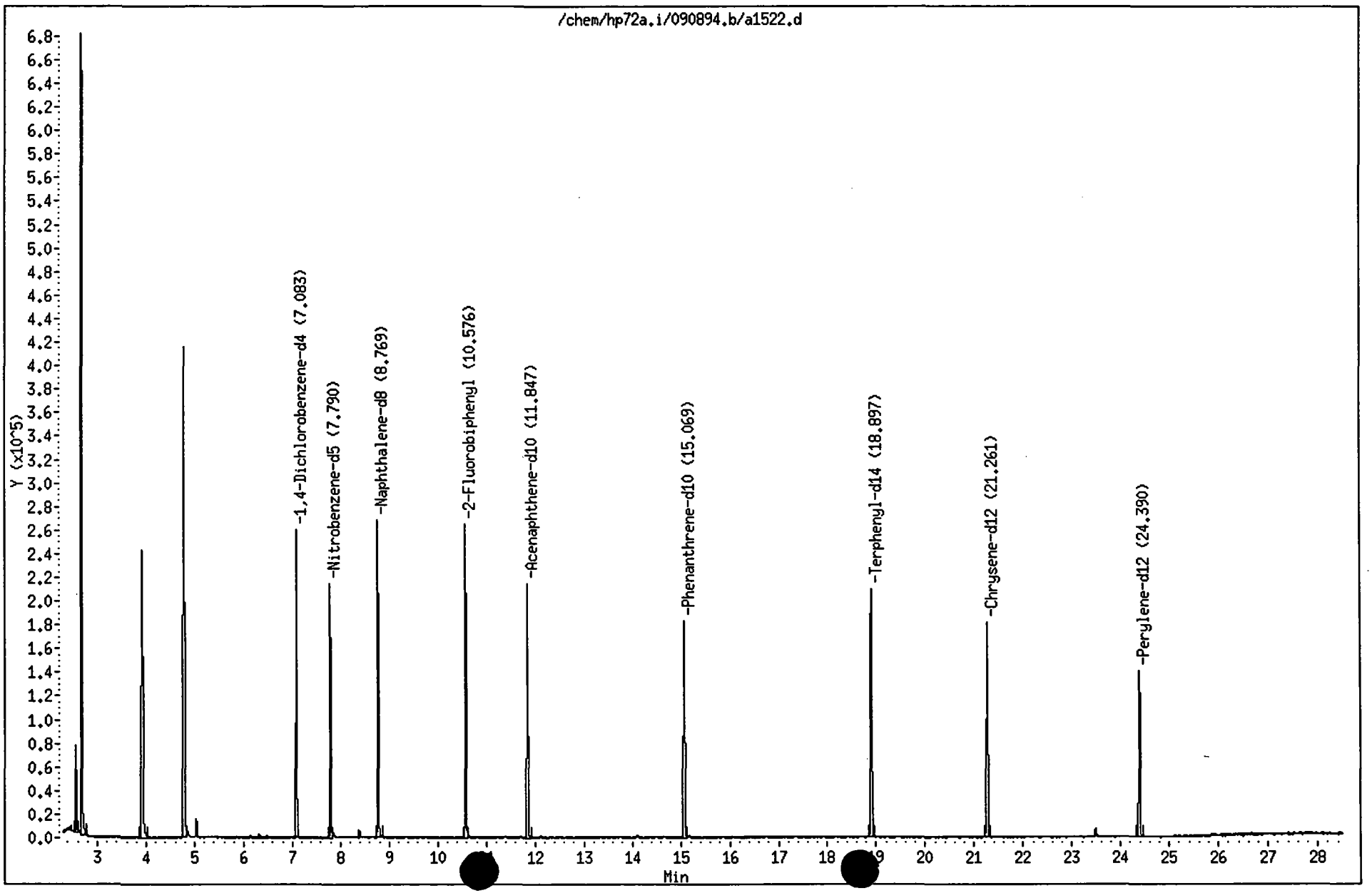
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.576	(0.893)	118586	40.918	40.918
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	Compound Not Detected.				
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.847	(1.000)	77015	40.000	
	45 Acenaphthene	152.00	Compound Not Detected.				
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.061	(1.000)	118560	40.000	
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	Compound Not Detected.				
$	68 Terphenyl-d14	244.00	18.897	(0.889)	127714	47.442	47.442
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.261	(1.000)	115746	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 79 Perylene-d12	264.00	24.390	(1.000)	105839	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

Data File: /chem/hp72a.i/090894.b/a1522.d
Date : 08-SEP-94 10:21
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

00003577



Inchcape Testing Services

RECOVERY REPORT

Client Name: Client SDG: 090394.b
Sample Matrix: SOLID Fraction: SV
Client ID: Level: LOW
Data Type: MS DATA SampleType: MS
SpikeList File: SoilMsd.spk Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: 0829SPK01/BNA/5;2/S-2

	SPIKE COMPOUND	AMOUNT ADDED mg/Kg	AMOUNT RECOVERED mg/Kg	% RECOVERED	LIMITS
6	Phenol	40.006	29.566	73.91	26-90
8	2-Chlorophenol	40.006	26.768	66.91	25-102
11	1,4-Dichlorobenzen	20.003	14.545	72.71	28-104
17	N-Nitroso-di-n-pro	20.003	14.252	71.25	41-126
27	1,2,4-Trichloroben	20.003	14.806	74.02	38-107
32	4-Chloro-3-Methylp	40.006	32.199	80.49	26-103
45	Acenaphthene	20.003	13.773	68.86	31-137
47	4-Nitrophenol	40.006	37.132	92.82	11-114
49	2,4-Dinitrotoluene	20.003	13.774	68.86	28-89
60	Pentachlorophenol	40.006	28.417	71.03	17-109
67	Pyrene	20.003	11.337	56.68	35-142

	SURROGATE COMPOUND	AMOUNT ADDED mg/Kg	AMOUNT RECOVERED mg/Kg	% RECOVERED	LIMITS
$ 3	2-Fluorophenol	40.000	22.561	56.40	25-121
$ 4	Phenol-d6	40.000	30.563	76.41	24-113
$ 19	Nitrobenzene-d5	20.000	16.258	81.29	23-120
$ 37	2-Fluorobiphenyl	20.000	13.728	68.64	30-115
$ 57	2,4,6-Tribromophen	40.000	26.890	67.23	19-122
$ 68	Terphenyl-d14	20.000	12.560	62.80	18-137

* - Values outside of QC limits
Spike Recovery: 0 out of 17 outside limits
0 out of 17 not found

Inchcape Testing Services

RECOVERY REPORT

Client Name: Client SDG: 090394.b
Sample Matrix: SOLID Fraction: SV
Client ID: Level: LOW
Data Type: MS DATA SampleType: MSD
SpikeList File: SoilMsd.spk Quant Type: ISTD
Method File: /chem/hp72a.i/090394.b/ccal02.m
Misc Info: 0829SPKD01/BNA/5;2/S-2

	SPIKE COMPOUND	AMOUNT ADDED mg/Kg	AMOUNT RECOVERED mg/Kg	% RECOVERED	LIMITS
6	Phenol	40.006	15.832	39.57	26-90
8	2-Chlorophenol	40.006	17.612	44.02	25-102
11	1,4-Dichlorobenzen	20.003	15.040	75.19	28-104
17	N-Nitroso-di-n-pro	20.003	14.991	74.94	41-126
27	1,2,4-Trichloroben	20.003	15.566	77.82	38-107
32	4-Chloro-3-Methylp	40.006	31.791	79.47	26-103
45	Acenaphthene	20.003	13.854	69.26	31-137
47	4-Nitrophenol	40.006	34.244	85.60	11-114
49	2,4-Dinitrotoluene	20.003	13.189	65.93	28-89
60	Pentachlorophenol	40.006	27.565	68.90	17-109
67	Pyrene	20.003	13.003	65.01	35-142

	SURROGATE COMPOUND	AMOUNT ADDED mg/Kg	AMOUNT RECOVERED mg/Kg	% RECOVERED	LIMITS
$ 3	2-Fluorophenol	40.000	24.171	60.43	25-121
$ 4	Phenol-d6	40.000	19.831	49.58	24-113
$ 19	Nitrobenzene-d5	20.000	16.817	84.09	23-120
$ 37	2-Fluorobiphenyl	20.000	14.070	70.35	30-115
$ 57	2,4,6-Tribromophen	40.000	25.946	64.86	19-122
$ 68	Terphenyl-d14	20.000	13.665	68.32	18-137

* - Values outside of QC limits
Spike Recovery: 0 out of 17 outside limits
0 out of 17 not found

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/a1433.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-SEP-94 21:45 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0829SPK01/BNA/5;2/S-2
Misc Info : 0829SPK01/BNA/5;2/S-2
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 14 QC Sample: MS
Dil Factor: 12.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.581	(0.360)	3979	1.045	0.418(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.681	(0.792)	355587	56.403	22.561(a)
$	4 Phenol-d6	99.00	6.881	(0.959)	436020	76.406	30.563(a)
	5 Aniline	93.00	6.966	(0.971)	9858	1.160	0.464(TaQ)
	6 Phenol	94.00	6.902	(0.962)	533440	73.916	29.566(aM)
	7 bis(-2-Chloroethyl)Ether	93.00	6.966	(0.971)	9858	1.721	0.688(aQ)
	8 2-Chlorophenol	128.00	6.966	(0.971)	365617	66.920	26.768(aM)
	9 1,3-Dichlorobenzene	146.00	7.195	(1.003)	203827	34.445	13.778(a)
	10 1,4-Dichlorobenzene-d4	152.00	7.174	(1.000)	137531	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	7.195	(1.003)	203827	36.362	14.545(a)
	12 Benzyl alcohol	108.00	7.188	(1.002)	2220	0.678	0.271(TaQ)
	13 1,2-Dichlorobenzene	146.00	7.195	(1.003)	203827	36.527	14.611(a)
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	7.702	(1.074)	169938	35.630	14.252(a)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.881	(0.890)	274356	40.645	16.258(a)
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	8.774	(0.991)	166049	37.014	14.806(a)
*	28 Naphthalene-d8	136.00	8.852	(1.000)	472603	40.000	(a)
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	9.866	(1.115)	383033	80.499	32.199(a)
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.666	(0.893)	382292	34.320	13.728(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	12.016	(1.006)	155087	10.047	4.019(Ta)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.945	(1.000)	276541	40.000	(a)
	45 Acenaphthene	152.00	12.016	(1.006)	155087	34.433	13.773(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.502	(1.047)	130391	92.830	37.132(a)
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	12.416	(1.039)	135220	34.434	13.774(a)
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.652	(1.143)	111927	67.226	26.890(a)
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	14.816	(0.976)	83246	71.041	28.417(a)
*	61 Phenanthrene-d10	188.00	15.181	(1.000)	430703	40.000	(a)
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	16.759	(1.104)	797955	39.127	15.651(a)
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.509	(0.865)	519783	28.342	11.337(a)
$	68 Terphenyl-d14	244.00	19.016	(0.889)	376896	31.401	12.560(a)
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.395	(1.000)	363352	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.738	(1.016)	5664	0.404	0.162(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

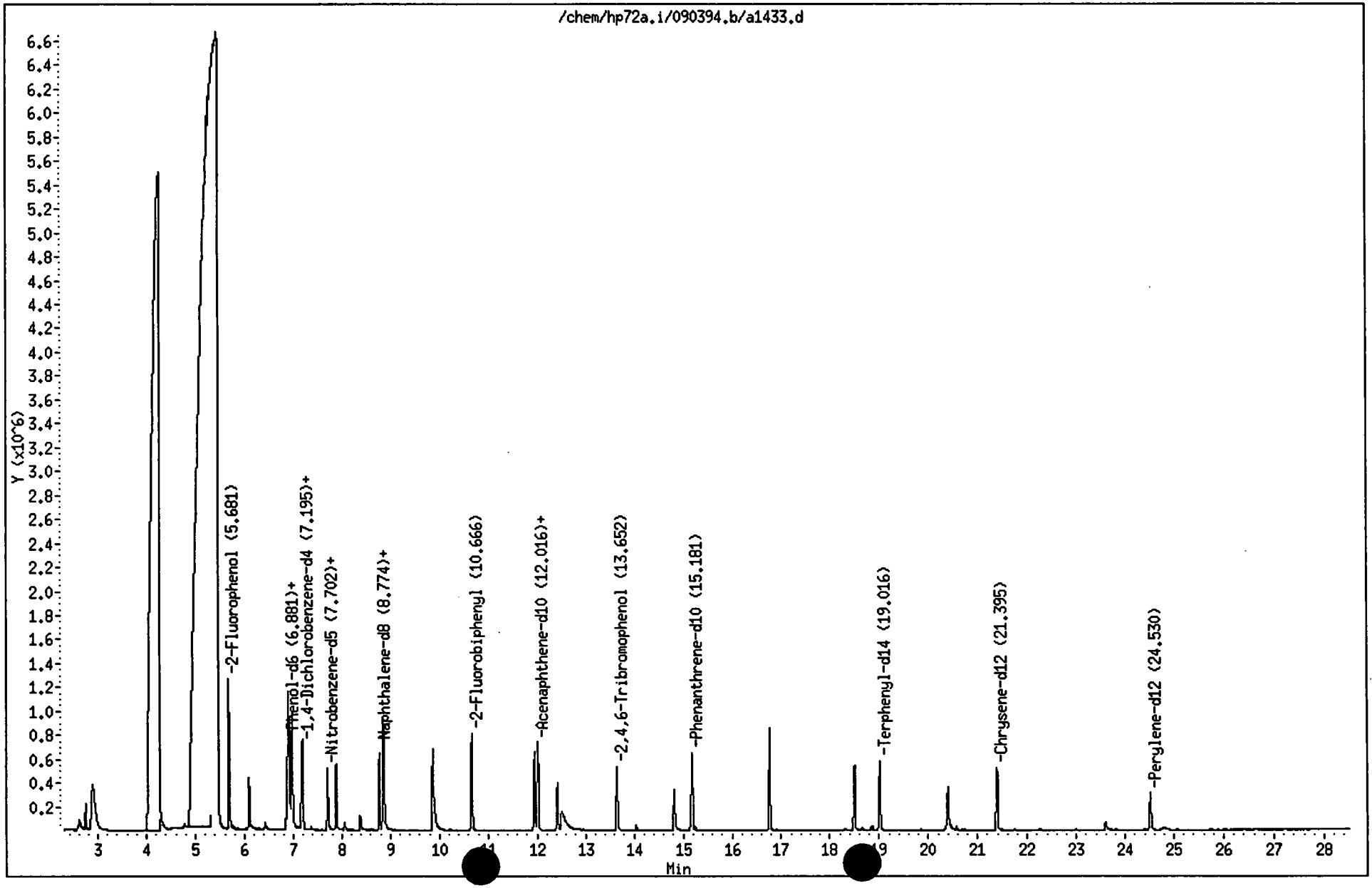
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)	
* 79 Perylene-d12	264.00	24.530	(1.000)	284654	40.000		(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.					
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.					
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.					

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
- Compound response manually integrated.

Data File: /chem/hp72a.i/090394.b/a1433.d
Date : 03-SEP-94 21:45
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

00000363



Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090394.b/a1434.d
Lab. Id. : Quant Type: ISTD
Inj Date : 03-SEP-94 22:23 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : 0829SPKD01/BNA/5;2/S-2
Misc Info : 0829SPKD01/BNA/5;2/S-2
Comment :
Method : /chem/hp72a.i/090394.b/ccal02.m
Meth Date : 05-Sep-1994 14:24
Cal Date : 03-SEP-94 14:12 Cal File: m1421.d
Als bottle: 15 QC Sample: MSD
Dil Factor: 12.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.619	(0.365)	15532	3.915	1.566(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.740	(0.800)	396998	60.429	24.171(Ta)
$	4 Phenol-d6	99.00	6.897	(0.961)	294818	49.576	19.831(a)
	5 Aniline	93.00	6.983	(0.973)	7756	0.876	0.350(TaQ)
	6 Phenol	94.00	6.912	(0.963)	572410	76.113	30.445(aMH)
	7 bis(-2-Chloroethyl)Ether	93.00	6.983	(0.973)	7756	1.299	0.520(aQ)
	8 2-Chlorophenol	128.00	6.983	(0.973)	401307	70.486	28.194(aM)
	9 1,3-Dichlorobenzene	146.00	7.197	(1.003)	219636	35.618	14.247(a)
	10 1,4-Dichlorobenzene-d4	152.00	7.176	(1.000)	143319	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	7.197	(1.003)	219636	37.600	15.040(a)
	12 Benzyl alcohol	108.00	7.197	(1.003)	2080	0.610	0.244(TaQ)
	13 1,2-Dichlorobenzene	146.00	7.197	(1.003)	219636	37.771	15.108(a)
	14 2-Methylphenol	108.00	8.062	(1.123)	3012	0.590	0.236(TaQ)
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	8.062	(1.123)	3012	0.654	0.262(TaQ)
	17 N-Nitroso-di-n-propylamine	70.00	7.705	(1.074)	186272	37.477	14.991(a)
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.883	(0.890)	292661	42.043	16.817(a)
	20 Nitrobenzene	77.00	8.062	(0.910)	1722	0.233	0.093(aQ)
	21 Isophorone	82.00	8.376	(0.946)	27529	2.230	0.892(a)
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	8.776	(0.991)	180027	38.914	15.566(a)
*	28 Naphthalene-d8	136.00	8.855	(1.000)	487369	40.000	(a)
	29 Naphthalene	128.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	Compound Not Detected.				
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	9.862	(1.114)	389994	79.478	31.791(a)
	33 2-Methylnaphthalene	142.00	Compound Not Detected.				
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.669	(0.893)	395748	35.175	14.070(a)
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	12.012	(1.005)	157557	10.106	4.042(Ta)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.947	(1.000)	279313	40.000	(a)
	45 Acenaphthene	152.00	12.012	(1.005)	157557	34.634	13.854(a)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.504	(1.047)	121456	85.611	34.244(a)
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	12.419	(1.039)	130776	32.972	13.189(a)
	50 Fluorene	166.00	Compound Not Detected.				
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	13.647	(1.142)	109078	64.864	25.946(a)
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	14.819	(0.976)	76279	68.912	27.565(a)
*	61 Phenanthrene-d10	188.00	15.176	(1.000)	406849	40.000	(a)
	62 Phenanthrene	178.00	Compound Not Detected.				
	63 Anthracene	178.00	Compound Not Detected.				
	64 Di-n-butylphthalate	149.00	16.762	(1.104)	776024	40.282	16.113(a)
	65 Fluoranthene	202.00	Compound Not Detected.				
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.504	(0.865)	501800	32.507	13.003(a)
$	68 Terphenyl-d14	244.00	19.011	(0.889)	345134	34.162	13.665(a)
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.390	(1.000)	305837	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.740	(1.016)	3508	0.297	0.119(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

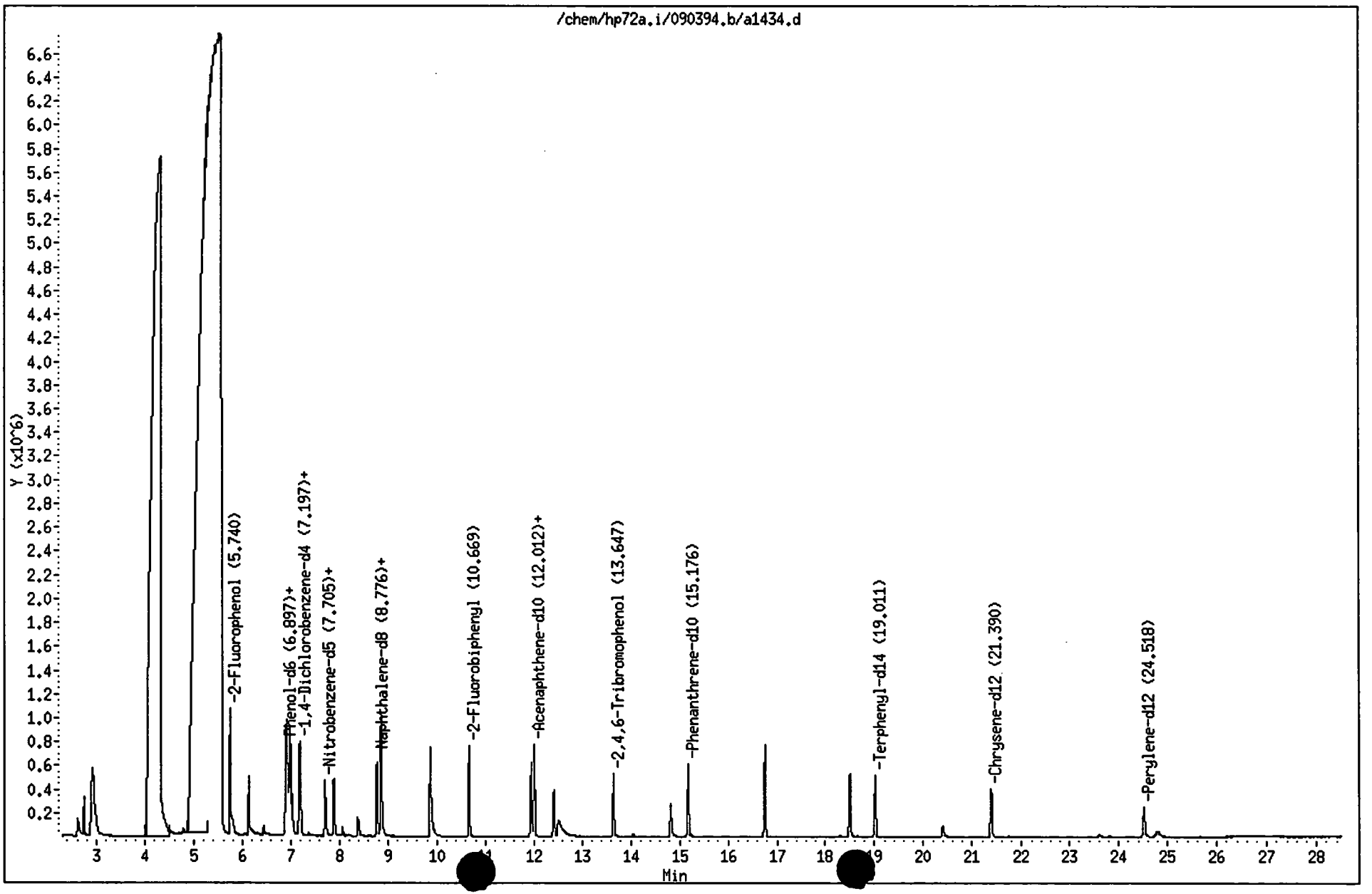
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.518	(1.000)	242939	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
- Compound response manually integrated.
- Operator selected an alternate compound hit.

0000367

Data File: /chem/hp72a.i/090394.b/a1434.d
Date : 03-SEP-94 22:23
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260035
CLIENT ID : SBA-05(MS)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk ANALYSIS DATE: 09/06/94 METHOD: 8270
ANALYSIS TIME: 19:23 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		2370	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene	<	DL	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		938	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		2720	2400	792
Fluorene		1360	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260035
CLIENT ID : SBA-05(MS)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk ANALYSIS DATE: 09/06/94 METHOD: 8270
ANALYSIS TIME: 19:23 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		2620	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		4750	2400	792
Pyrene		1740	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090694.b/a1483.d
Lab. Id. : Quant Type: ISTD
Inj Date : 06-SEP-94 19:23 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/082634MS-35
Misc Info : PRC/BNA/5:400/S-2/082634MS-35
Comment :
Method : /chem/hp72a.i/090694.b/ccal02.m
Meth Date : 06-Sep-1994 11:28
Cal Date : 06-SEP-94 10:55 Cal File: a1471.d
Als bottle: 14 QC Sample: MS
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
1	n-Nitrosodimethylamine	42.00	2.737	(0.383)	1235	0.404	32.351(a)
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	Compound Not Detected.				
$ 4	Phenol-d6	99.00	6.972	(0.975)	1797	0.415	33.211(aQ)
5	Aniline	93.00	Compound Not Detected.				
6	Phenol	94.00	Compound Not Detected.				
7	bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
8	2-Chlorophenol	128.00	Compound Not Detected.				
9	1,3-Dichlorobenzene	146.00	Compound Not Detected.				
10	1,4-Dichlorobenzene-d4	152.00	7.151	(1.000)	104569	40.000	(a)
11	1,4-Dichlorobenzene	146.00	Compound Not Detected.				
12	Benzyl alcohol	108.00	Compound Not Detected.				
13	1,2-Dichlorobenzene	146.00	Compound Not Detected.				
14	2-Methylphenol	108.00	Compound Not Detected.				
15	Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
16	3- & 4-Methylphenol	108.00	Compound Not Detected.				
17	N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
18	Hexachloroethane	117.00	Compound Not Detected.				
$ 19	Nitrobenzene-d5	82.00	Compound Not Detected.				
20	Nitrobenzene	77.00	Compound Not Detected.				
21	Isophorone	82.00	Compound Not Detected.				
22	2-Nitrophenol	139.00	Compound Not Detected.				
23	2,4-Dimethyphenol	122.00	Compound Not Detected.				
24	bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
25	Benzoic Acid	122.00	Compound Not Detected.				
26	2,4-Dichlorophenol	162.00	Compound Not Detected.				
27	1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
* 28	Naphthalene-d8	136.00	8.858	(1.000)	341176	40.000	(a)
29	Naphthalene	128.00	8.887	(1.003)	305891	32.746	2619.696(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
30 4-Chloroaniline	127.00	8.887	(1.003)	44054	11.429	914.301(aQ)
31 Hexachlorobutadiene	225.00	Compound Not Detected.				
32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
33 2-Methylnaphthalene	142.00	10.001	(1.129)	70796	11.569	925.489(a)
34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$ 37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
38 2-Chloronaphthalene	162.00	Compound Not Detected.				
39 2-Nitroaniline	138.00	Compound Not Detected.				
40 Dimethylphthalate	163.00	Compound Not Detected.				
41 Acenaphthylene	152.00	11.665	(0.976)	34781	3.941	315.244(a)
42 2,6-Dinitrotoluene	165.00	11.958	(1.000)	24156	13.961	1116.913(TaQ)
43 3-Nitroaniline	138.00	Compound Not Detected.				
* 44 Acenaphthene-d10	164.00	11.958	(1.000)	171589	40.000	(a)
45 Acenaphthene	152.00	12.022	(1.005)	25655	9.926	794.085(aR)
46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
47 4-Nitrophenol	109.00	12.429	(1.039)	1016	2.851	228.099(aQR)
48 Dibenzofuran	168.00	12.387	(1.036)	82489	10.738	859.066(a)
49 2,4-Dinitrotoluene	165.00	11.958	(1.000)	19386	8.259	660.694(TaQR)
50 Fluorene	166.00	13.115	(1.097)	97200	16.974	1357.953(a)
51 Diethylphthalate	149.00	Compound Not Detected.				
52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
53 4-Nitroaniline	138.00	Compound Not Detected.				
54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
55 N-nitrosodiphenylamine (1)	169.00	13.422	(0.883)	5687	1.626	130.091(a)
56 Azobenzene	77.00	Compound Not Detected.				
$ 57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
59 Hexachlorobenzene	284.00	Compound Not Detected.				
60 Pentachlorophenol	266.00	Compound Not Detected.				
* 61 Phenanthrene-d10	188.00	15.201	(1.000)	225386	40.000	(a)
62 Phenanthrene	178.00	15.258	(1.004)	385840	59.329	4746.321(a)
63 Anthracene	178.00	15.365	(1.011)	195986	29.662	2372.963(a)
64 Di-n-butylphthalate	149.00	Compound Not Detected.				
65 Fluoranthene	202.00	18.022	(1.186)	220425	34.031	2722.447(a)
66 Benzidine	184.00	Compound Not Detected.				
67 Pyrene	202.00	18.529	(0.865)	162725	21.757	1740.600(aR)
$ 68 Terphenyl-d14	244.00	Compound Not Detected.				
69 Butylbenzylphthalate	149.00	Compound Not Detected.				
70 Benzo(a)anthracene	228.00	21.401	(0.999)	47364	8.132	650.552(a)
* 71 Chrysene-d12	240.00	21.422	(1.000)	170396	40.000	(a)
72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
73 Chrysene	228.00	21.472	(1.002)	58043	11.724	937.956(a)
74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
75 Di-n-octylphthalate	149.00	Compound Not Detected.				
76 Benzo(b)fluoranthene	252.00	23.779	(0.968)	29089	4.699	375.943(a)
77 Benzo(k)fluoranthene	252.00	24.329	(0.991)	11184	1.881	150.443(Ta)
78 Benzo(a)pyrene	252.00	24.429	(0.995)	21284	3.967	317.335(a)

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.558	(1.000)	169906	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.608	(1.083)	10181	2.252	180.132(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

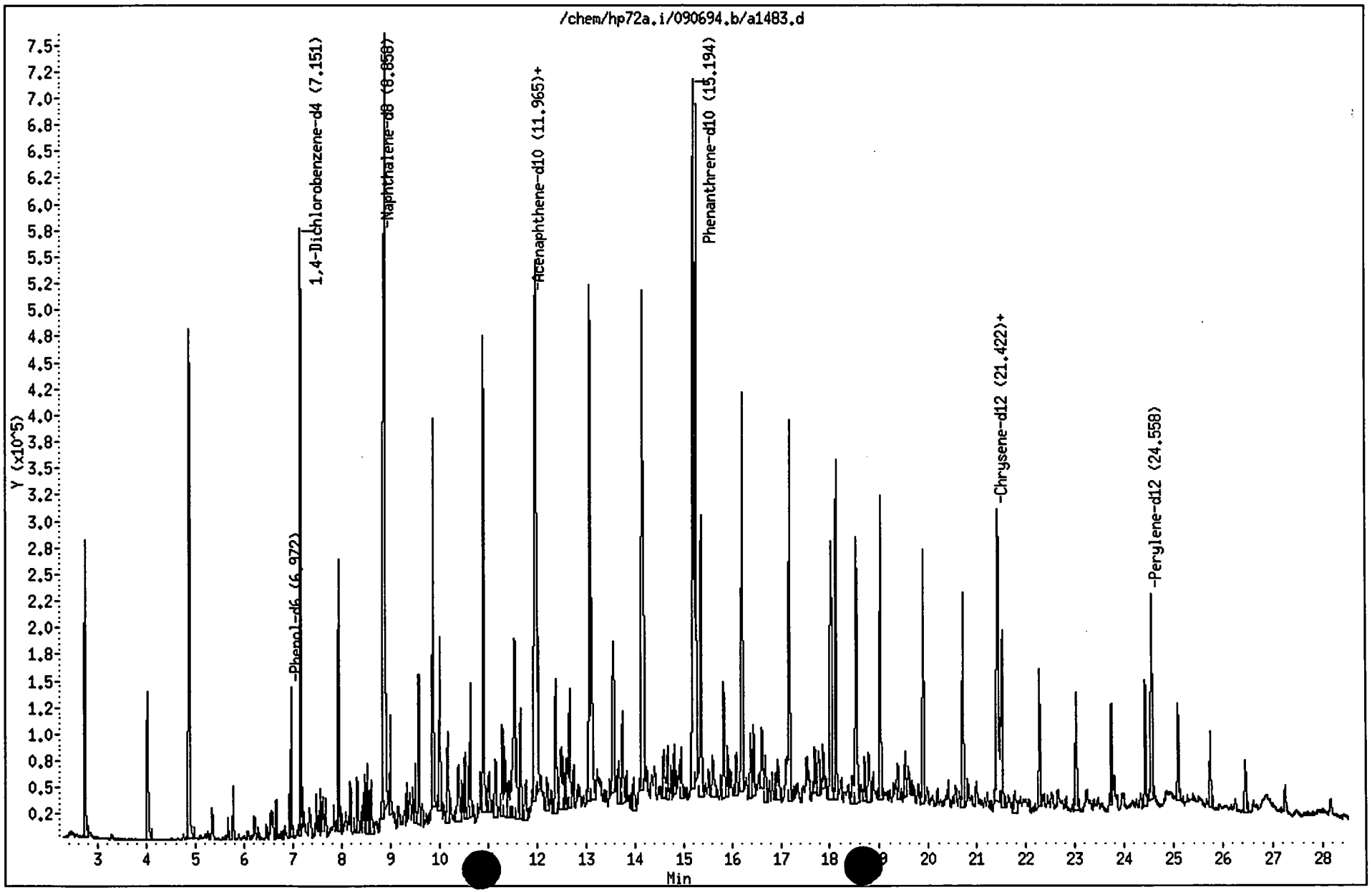
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
- Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090694.b/a1483.d
Date : 06-SEP-94 19:23
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000373



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Environmental Laboratories

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Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260036
CLIENT ID : SBA-05(MSD)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk ANALYSIS DATE: 09/06/94 METHOD: 8270
ANALYSIS TIME: 20:01 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	2400	792
Acenaphthylene	<	DL	2400	792
Anthracene		2490	2400	792
Benzidine	<	DL	2400	3170
Benzo(a)anthracene	<	DL	2400	792
Benzo(a)pyrene	<	DL	2400	792
Benzo(b)fluoranthene	<	DL	2400	792
Benzo(ghi)perylene	<	DL	2400	792
Benzo(k)fluoranthene	<	DL	2400	792
bis(2-Chloroethoxy)methane	<	DL	2400	792
bis(2-Chloroethyl)ether	<	DL	2400	792
bis(2-Chloroisopropyl)ether	<	DL	2400	792
bis(2-Ethylhexyl)phthalate	<	DL	2400	792
4-Bromophenyl phenyl ether	<	DL	2400	792
Butyl benzyl phthalate	<	DL	2400	792
2-Chloronaphthalene	<	DL	2400	792
4-Chlorophenyl phenyl ether	<	DL	2400	792
Chrysene		925	2400	792
Dibenzo(a,h)anthracene	<	DL	2400	792
1,2-Dichlorobenzene	<	DL	2400	792
1,3-Dichlorobenzene	<	DL	2400	792
1,4-Dichlorobenzene	<	DL	2400	792
3,3'-Dichlorobenzidine	<	DL	2400	1584
Diethyl phthalate	<	DL	2400	792
Dimethyl phthalate	<	DL	2400	792
Di-n-butyl phthalate	<	DL	2400	792
2,4-Dinitrotoluene	<	DL	2400	792
2,6-Dinitrotoluene	<	DL	2400	792
Di-n-octyl phthalate	<	DL	2400	792
1,2-Diphenylhydrazine *	<	DL	2400	792
Fluoranthene		2790	2400	792
Fluorene		1420	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260036
CLIENT ID : SBA-05(MSD)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk ANALYSIS DATE: 09/06/94 METHOD: 8270
ANALYSIS TIME: 20:01 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	2400	792
Hexachlorobutadiene	<	DL	2400	792
Hexachlorocyclopentadiene	<	DL	2400	792
Hexachloroethane	<	DL	2400	792
Indeno(1,2,3-c,d)pyrene	<	DL	2400	792
Isophorone	<	DL	2400	792
Naphthalene		2840	2400	792
Nitrobenzene	<	DL	2400	792
N-Nitrosodimethylamine	<	DL	2400	792
N-Nitrosodi-n-propylamine	<	DL	2400	792
N-Nitrosodiphenylamine **	<	DL	2400	792
Phenanthrene		4960	2400	792
Pyrene		1740	2400	792
1,2,4-Trichlorobenzene	<	DL	2400	792
2-Chlorophenol	<	DL	2400	792
2,4-Dichlorophenol	<	DL	2400	792
2,4-Dimethylphenol	<	DL	2400	792
4,6-Dinitro-o-cresol	<	DL	2400	3960
2,4-Dinitrophenol	<	DL	2400	3960
2-Nitrophenol	<	DL	2400	792
4-Nitrophenol	<	DL	2400	3960
p-Chloro-m-cresol	<	DL	2400	792
Pentachlorophenol	<	DL	2400	3960
Phenol	<	DL	2400	792
2,4,6-Trichlorophenol	<	DL	2400	792

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090694.b/a1484.d
Lab. Id. : Quant Type: ISTD
Inj Date : 06-SEP-94 20:01 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:400/S-2/082634MSD-36
Misc Info : PRC/BNA/5:400/S-2/082634MSD-36
Comment :
Method : /chem/hp72a.i/090694.b/ccal02.m
Meth Date : 06-Sep-1994 11:28
Cal Date : 06-SEP-94 10:55 Cal File: a1471.d
Als bottle: 15 QC Sample: MSD
Dil Factor: 2400.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
1	n-Nitrosodimethylamine	42.00	2.739	(0.383)	809	0.282	22.591(a)
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	Compound Not Detected.				
$ 4	Phenol-d6	99.00	6.968	(0.974)	1956	0.482	38.537(aQ)
5	Aniline	93.00	Compound Not Detected.				
6	Phenol	94.00	Compound Not Detected.				
7	bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
8	2-Chlorophenol	128.00	Compound Not Detected.				
9	1,3-Dichlorobenzene	146.00	Compound Not Detected.				
[redacted]	1,4-Dichlorobenzene-d4	152.00	7.153	(1.000)	98091	40.000	(a)
[redacted]	1,4-Dichlorobenzene	146.00	Compound Not Detected.				
12	Benzyl alcohol	108.00	Compound Not Detected.				
13	1,2-Dichlorobenzene	146.00	Compound Not Detected.				
14	2-Methylphenol	108.00	Compound Not Detected.				
15	Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
16	3- & 4-Methylphenol	108.00	Compound Not Detected.				
17	N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
18	Hexachloroethane	117.00	Compound Not Detected.				
$ 19	Nitrobenzene-d5	82.00	Compound Not Detected.				
20	Nitrobenzene	77.00	Compound Not Detected.				
21	Isophorone	82.00	Compound Not Detected.				
22	2-Nitrophenol	139.00	Compound Not Detected.				
23	2,4-Dimethyphenol	122.00	Compound Not Detected.				
24	bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
25	Benzoic Acid	122.00	Compound Not Detected.				
26	2,4-Dichlorophenol	162.00	Compound Not Detected.				
27	1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
* 28	Naphthalene-d8	136.00	8.853	(1.000)	311422	40.000	(a)
29	Naphthalene	128.00	8.889	(1.004)	302905	35.525	2841.972(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.889	(1.004)	39356	11.185	894.837(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	10.003	(1.130)	71468	12.794	1023.536(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.667	(0.976)	36028	4.057	324.533(a)
	42 2,6-Dinitrotoluene	165.00	11.960	(1.000)	25107	14.422	1153.724(TaQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.960	(1.000)	172654	40.000	(a)
	45 Acenaphthene	152.00	12.025	(1.005)	23950	9.209	736.739(aR)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.546	(1.049)	190	0.530	42.393(aQ)
	48 Dibenzofuran	168.00	12.389	(1.036)	84045	10.873	869.872(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.117	(1.097)	102117	17.723	1417.847(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.425	(0.883)	5658	1.520	121.627(aQ)
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.203	(1.000)	239841	40.000	(a)
	62 Phenanthrene	178.00	15.260	(1.004)	429416	62.050	4963.998(a)
	63 Anthracene	178.00	15.367	(1.011)	219018	31.150	2492.007(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	18.017	(1.185)	240558	34.901	2792.041(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.524	(0.865)	183806	21.763	1741.077(aR)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.396	(0.999)	55522	8.442	675.325(a)
*	71 Chrysene-d12	240.00	21.424	(1.000)	192418	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.474	(1.002)	64661	11.566	925.313(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.789	(0.968)	34375	4.743	379.439(a)
	77 Benzo(k)fluoranthene	252.00	24.331	(0.990)	15077	2.165	173.219(Ta)
	78 Benzo(a)pyrene	252.00	24.431	(0.994)	25947	4.130	330.414(a)

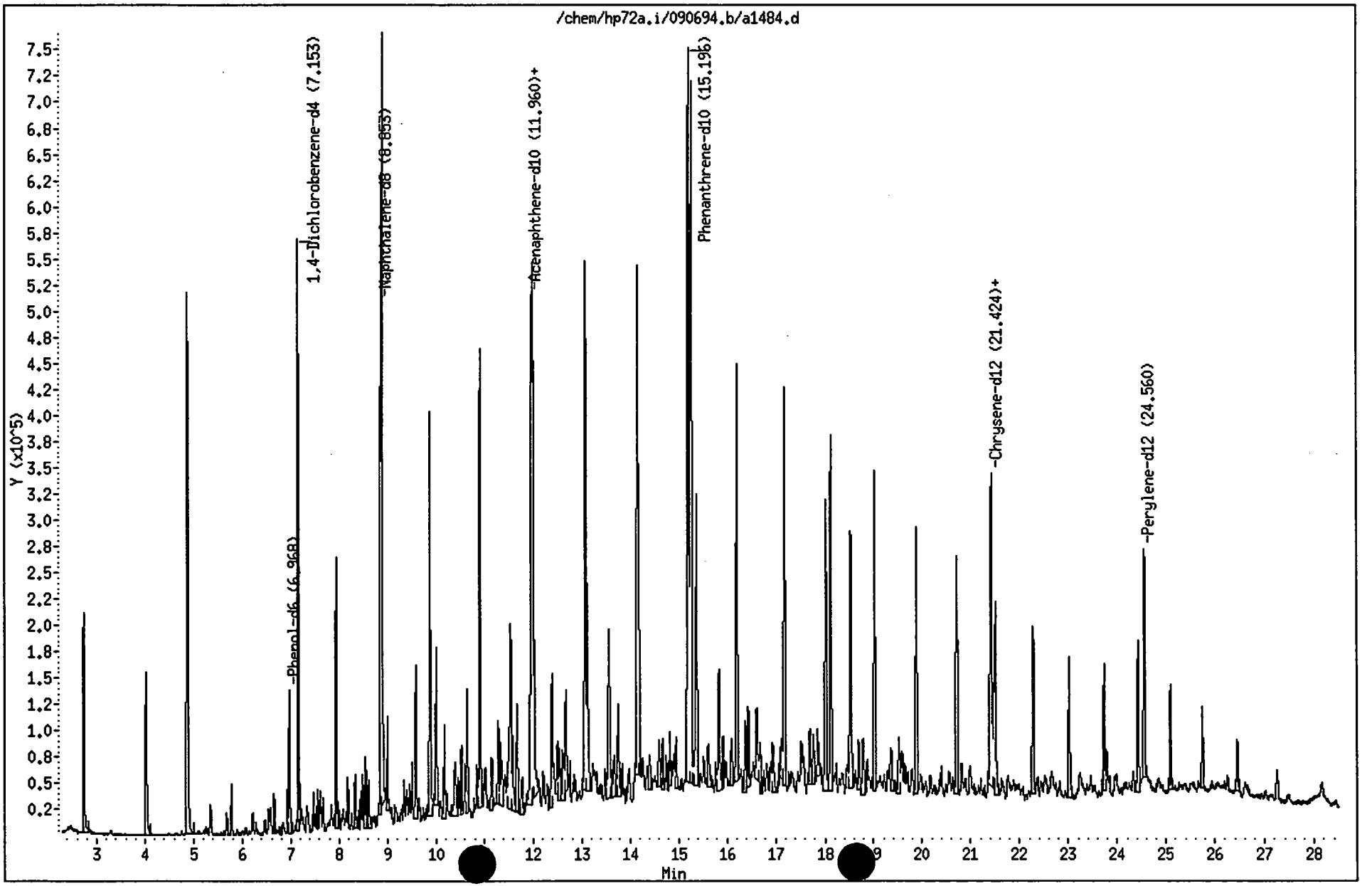
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.567	(1.000)	198931	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	26.610	(1.083)	12245	2.313	185.040(a)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	27.153	(1.105)	7560	1.310	104.803(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
● Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090694.b/a1484.d
Date : 06-SEP-94 20:01
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000379



Inchcape Testing Services

RECOVERY REPORT

Client Name: Client SDG: 090294.b
Sample Matrix: LIQUID Fraction: SV
Client ID: Level: LOW
Data Type: MS DATA SampleType: MS
SpikeList File: WaterMSD.spk Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-35(MS34)

SPIKE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
6 Phenol	500.000	243.622	48.72	12-89
8 2-Chlorophenol	500.000	366.086	73.22	27-123
11 1,4-Dichlorobenzen	250.000	196.973	78.79	36-97
17 N-Nitroso-di-n-pro	250.000	207.150	82.86	41-116
27 1,2,4-Trichloroben	250.000	200.126	80.05	39-98
32 4-Chloro-3-Methylp	500.000	388.396	77.68	23-97
45 Acenaphthene	250.000	205.565	82.23	46-118
47 4-Nitrophenol	500.000	208.690	41.74	10-80
49 2,4-Dinitrotoluene	250.000	176.266	70.51	24-96
60 Pentachlorophenol	500.000	568.887	113.78 *	9-103
67 Pyrene	250.000	183.399	73.36	26-127

SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol	500.000	268.315	53.66	21-100
$ 4 Phenol-d6	500.000	284.057	56.81	10-94
$ 19 Nitrobenzene-d5	250.000	205.930	82.37	35-114
$ 37 2-Fluorobiphenyl	250.000	191.550	76.62	43-116
$ 57 2,4,6-Tribromophen	500.000	379.674	75.93	10-123
$ 68 Terphenyl-d14	250.000	197.644	79.06	33-141

* - Values outside of QC limits
Spike Recovery: 1 out of 17 outside limits
0 out of 17 not found

Inchcape Testing Services

RECOVERY REPORT

Client Name: Client SDG: 090294.b
Sample Matrix: LIQUID Fraction: SV
Client ID: Level: LOW
Data Type: MS DATA SampleType: MSD
SpikeList File: WaterMSD.spk Quant Type: ISTD
Method File: /chem/hp72a.i/090294.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-36(MSD34)

	SPIKE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
6	Phenol	500.000	235.921	47.18	12-89
8	2-Chlorophenol	500.000	374.666	74.93	27-123
11	1,4-Dichlorobenzen	250.000	201.037	80.41	36-97
17	N-Nitroso-di-n-pro	250.000	209.021	83.61	41-116
27	1,2,4-Trichloroben	250.000	200.439	80.18	39-98
32	4-Chloro-3-Methylp	500.000	373.527	74.71	23-97
45	Acenaphthene	250.000	206.183	82.47	46-118
47	4-Nitrophenol	500.000	165.122	33.02	10-80
49	2,4-Dinitrotoluene	250.000	174.832	69.93	24-96
60	Pentachlorophenol	500.000	503.583	100.72	9-103
67	Pyrene	250.000	178.410	71.36	26-127

	SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 3	2-Fluorophenol	500.000	269.967	53.99	21-100
$ 4	Phenol-d6	500.000	219.782	43.96	10-94
$ 19	Nitrobenzene-d5	250.000	201.405	80.56	35-114
$ 37	2-Fluorobiphenyl	250.000	193.142	77.26	43-116
$ 57	2,4,6-Tribromophen	500.000	360.840	72.17	10-123
$ 68	Terphenyl-d14	250.000	186.184	74.47	33-141

* - Values outside of QC limits
Spike Recovery: 0 out of 17 outside limits
0 out of 17 not found

Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260035
CLIENT ID : SBA-05(MS)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 14:30
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< 0.14	200.0	0.05	1	8270
m & p-Cresol	< 0.15	200.0	0.05	1	8270
Cresols	< 0.29	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1378.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 14:30 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-35(MS34)
Misc Info : PRC/TCP/200:1/S-1/0826-35(MS34)
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 10 QC Sample: MS
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	1 n-Nitrosodimethylamine	42.00	2.615	(0.366)	3119	0.561	2.805(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	5.544	(0.775)	493987	53.663	268.315
$	4 Phenol-d6	99.00	6.865	(0.960)	473380	56.811	284.057
	5 Aniline	93.00	6.937	(0.970)	16780	1.353	6.763(aQ)
	6 Phenol	94.00	6.887	(0.963)	513442	48.724	243.622
	7 bis(-2-Chloroethyl)Ether	93.00	6.937	(0.970)	16780	2.006	10.032(aQ)
	8 2-Chlorophenol	128.00	6.937	(0.970)	584091	73.217	366.086
	9 1,3-Dichlorobenzene	146.00	7.172	(1.003)	322442	37.318	186.591
	10 1,4-Dichlorobenzene-d4	152.00	7.151	(1.000)	200816	40.000	
	11 1,4-Dichlorobenzene	146.00	7.172	(1.003)	322442	39.395	196.973
	12 Benzyl alcohol	108.00	7.587	(1.061)	206559	43.202	216.012(TQ)
	13 1,2-Dichlorobenzene	146.00	7.172	(1.003)	322442	39.574	197.869
	14 2-Methylphenol	108.00	7.587	(1.061)	206559	28.889	144.445
	15 Bis(2-chloroisopropyl)ether	45.00	7.687	(1.075)	2847	0.283	1.416(aQ)
	16 3- & 4-Methylphenol	108.00	7.801	(1.091)	194622	30.150	150.748
	17 N-Nitroso-di-n-propylamine	70.00	7.694	(1.076)	288531	41.430	207.150
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	7.865	(0.889)	394180	41.186	205.930
	20 Nitrobenzene	77.00	8.072	(0.912)	23253	2.289	11.446(aQ)
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	8.465	(0.956)	262234	45.457	227.283
	24 bis(-2-Chloroethoxy)methane	93.00	8.487	(0.959)	31356	3.017	15.087(aQ)
	25 Benzoic Acid	122.00	8.744	(1.223)	62021	18.643	93.216(Q)
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	8.772	(0.991)	254586	40.025	200.126
*	28 Naphthalene-d8	136.00	8.851	(1.000)	653526	40.000	
	29 Naphthalene	128.00	8.894	(1.005)	1965438	99.767	498.836

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.908	(1.006)	9667	1.076	5.379(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	9.901	(1.119)	524065	77.679	388.396
	33 2-Methylnaphthalene	142.00	9.987	(1.128)	136924	11.145	55.726
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.665	(0.892)	570635	38.310	191.550
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.651	(0.975)	91308	4.423	22.117(a)
	[illegible]2 2,6-Dinitrotoluene	165.00	11.951	(1.000)	49071	12.501	62.503(TQ)
	[illegible]3 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.951	(1.000)	369792	40.000	
	45 Acenaphthene	152.00	12.015	(1.005)	247615	41.113	205.565
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.587	(1.053)	78395	41.738	208.690(Q)
	48 Dibenzofuran	168.00	12.372	(1.035)	80472	4.471	22.355(a)
	49 2,4-Dinitrotoluene	165.00	12.422	(1.039)	185117	35.253	176.266
	50 Fluorene	166.00	13.094	(1.096)	72788	5.488	27.439(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.715	(0.904)	14253	1.581	7.903(TaQ)
	56 Azobenzene	77.00	13.458	(1.882)	4511	0.259	1.293(aQ)
$	57 2,4,6-Tribromophenol	330.00	13.665	(1.143)	169059	75.935	379.674
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	[illegible]9 Hexachlorobenzene	284.00	Compound Not Detected.				
	[illegible]0 Pentachlorophenol	266.00	14.858	(0.979)	162404	113.777	568.887(R)
*	61 Phenanthrene-d10	188.00	15.179	(1.000)	524647	40.000	
	62 Phenanthrene	178.00	15.229	(1.003)	114749	6.707	33.536(a)
	63 Anthracene	178.00	15.336	(1.010)	58210	3.358	16.789(a)
	64 Di-n-butylphthalate	149.00	16.772	(1.105)	1020468	41.078	205.388
	65 Fluoranthene	202.00	17.986	(1.185)	16370	0.946	4.731(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.508	(0.865)	692594	36.680	183.399
$	68 Terphenyl-d14	244.00	19.015	(0.889)	488494	39.529	197.644
	69 Butylbenzylphthalate	149.00	20.279	(0.948)	16951	1.559	7.796(a)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.386	(1.000)	374102	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.743	(1.017)	10545	0.731	3.654(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.515	(1.000)	278455	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

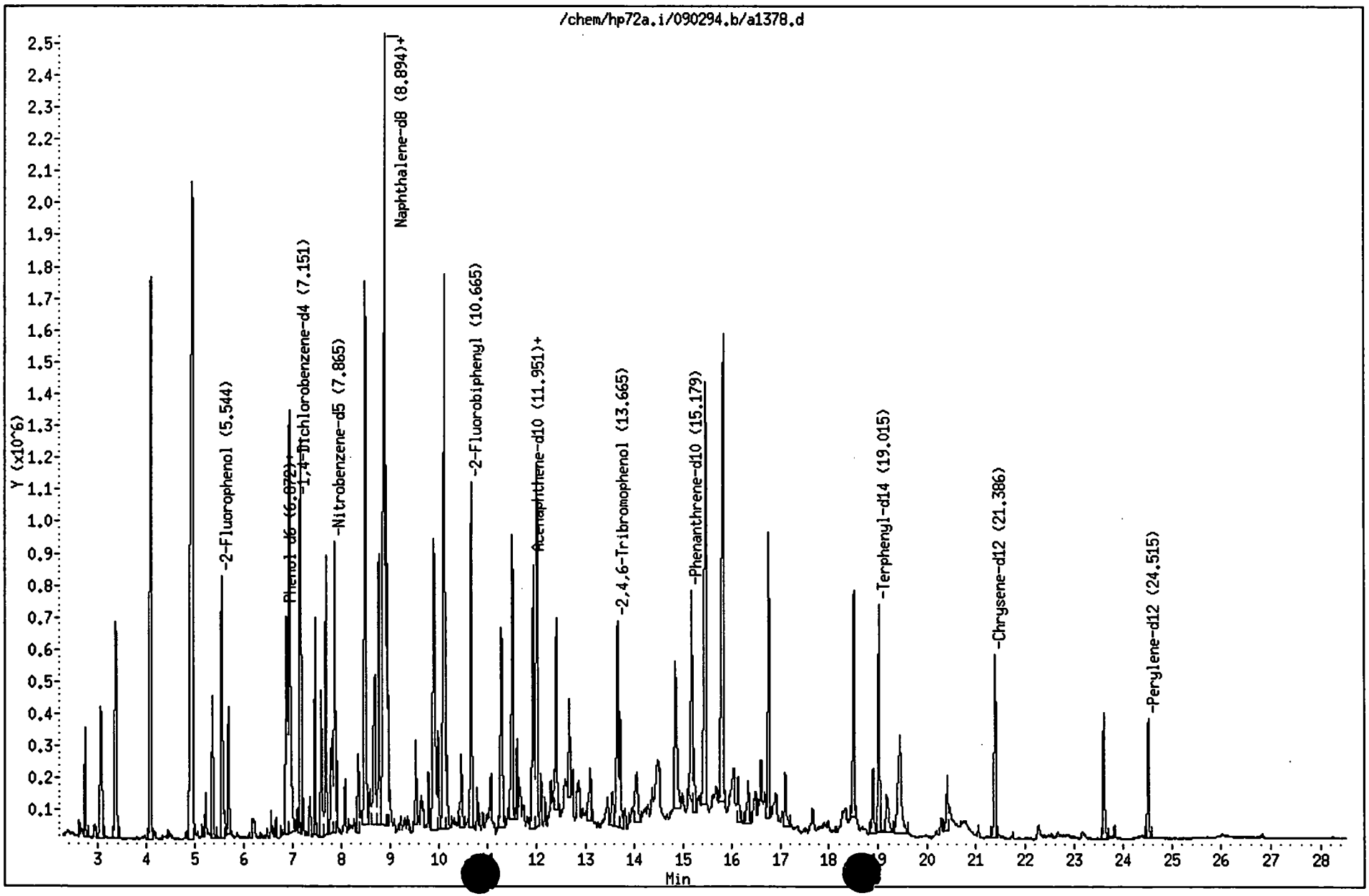
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
- Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090294.b/a1378.d
Date : 02-SEP-94 14:30
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000386



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260036
CLIENT ID : SBA-05(MSD)
SAMPLE DATE: 08/24/94
SAMPLE TIME: 13:35

ANALYST: jmk
ANALYSIS DATE: 09/02/94
ANALYSIS TIME: 15:07
PREP DATE: 08/29/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< 0.14	200.0	0.05	1	8270
m & p-Cresol	< 0.14	200.0	0.05	1	8270
Cresols	< 0.28	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

"**" DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090294.b/a1379.d
Lab. Id. : Quant Type: ISTD
Inj Date : 02-SEP-94 15:07 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-36(MSD34)
Misc Info : PRC/TCP/200:1/S-1/0826-36(MSD34)
Comment :
Method : /chem/hp72a.i/090294.b/ccal02.m
Meth Date : 19-Sep-1994 15:56 jmk
Cal Date : 02-SEP-1994 08:15 Cal File: a1371.d
Als bottle: 11 QC Sample: MSD
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
1	n-Nitrosodimethylamine	42.00	2.618	(0.366)	2773	0.507	2.534(a)
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	5.547	(0.775)	489200	53.993	269.967
$ 4	Phenol-d6	99.00	6.861	(0.959)	360497	43.956	219.782
5	Aniline	93.00	6.933	(0.969)	15866	1.299	6.497(aQ)
6	Phenol	94.00	6.883	(0.962)	489381	47.184	235.921
7	bis(-2-Chloroethyl)Ether	93.00	6.933	(0.969)	15866	1.927	9.637(aQ)
8	2-Chlorophenol	128.00	6.933	(0.969)	588365	74.933	374.666
9	1,3-Dichlorobenzene	146.00	7.175	(1.003)	323911	38.088	190.441
10	1,4-Dichlorobenzene-d4	152.00	7.154	(1.000)	197653	40.000	
11	1,4-Dichlorobenzene	146.00	7.175	(1.003)	323911	40.207	201.037
12	Benzyl alcohol	108.00	7.583	(1.060)	196654	41.789	208.945(TQ)
13	1,2-Dichlorobenzene	146.00	7.175	(1.003)	323911	40.390	201.951
14	2-Methylphenol	108.00	7.583	(1.060)	196654	27.944	139.720
15	Bis(2-chloroisopropyl)ether	45.00	7.697	(1.076)	2246	0.227	1.135(aQ)
16	3- & 4-Methylphenol	108.00	7.804	(1.091)	184055	28.969	144.845
17	N-Nitroso-di-n-propylamine	70.00	7.697	(1.076)	286551	41.804	209.021
18	Hexachloroethane	117.00	Compound Not Detected.				
$ 19	Nitrobenzene-d5	82.00	7.868	(0.889)	384376	40.281	201.405
20	Nitrobenzene	77.00	8.075	(0.912)	21382	2.111	10.557(aQ)
21	Isophorone	82.00	Compound Not Detected.				
22	2-Nitrophenol	139.00	Compound Not Detected.				
23	2,4-Dimethyphenol	122.00	8.468	(0.956)	250117	43.485	217.426
24	bis(-2-Chloroethoxy)methane	93.00	8.483	(0.958)	30810	2.974	14.868(aQ)
25	Benzoic Acid	122.00	8.747	(1.223)	54760	16.724	83.620(Q)
26	2,4-Dichlorophenol	162.00	Compound Not Detected.				
27	1,2,4-Trichlorobenzene	180.00	8.775	(0.991)	254228	40.088	200.439
* 28	Naphthalene-d8	136.00	8.854	(1.000)	651589	40.000	
29	Naphthalene	128.00	8.890	(1.004)	1892875	96.369	481.847

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.861	(1.001)	10218	1.141	5.703(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	9.897	(1.118)	502509	74.705	373.527
	33 2-Methylnaphthalene	142.00	9.990	(1.128)	129685	10.587	52.936
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	10.668	(0.893)	565520	38.628	193.142
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.654	(0.975)	87121	4.294	21.471(a)
	42 2,6-Dinitrotoluene	165.00	11.947	(1.000)	47554	12.325	61.626(TQ)
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.947	(1.000)	363457	40.000	
	45 Acenaphthene	152.00	12.018	(1.006)	244104	41.237	206.183
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	12.575	(1.053)	60966	33.024	165.122
	48 Dibenzofuran	168.00	12.368	(1.035)	77167	4.362	21.810(a)
	49 2,4-Dinitrotoluene	165.00	12.418	(1.039)	180466	34.966	174.832
	50 Fluorene	166.00	13.097	(1.096)	67238	5.158	25.788(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	13.718	(0.904)	19206	2.192	10.961(TaQ)
	56 Azobenzene	77.00	13.454	(1.881)	4289	0.250	1.249(aQ)
$	57 2,4,6-Tribromophenol	330.00	13.661	(1.143)	157920	72.168	360.840
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	14.854	(0.978)	139671	100.717	503.583
*	61 Phenanthrene-d10	188.00	15.182	(1.000)	509720	40.000	
	62 Phenanthrene	178.00	15.225	(1.003)	115499	6.949	34.744(a)
	63 Anthracene	178.00	15.339	(1.010)	56780	3.371	16.856(a)
	64 Di-n-butylphthalate	149.00	16.768	(1.104)	969702	40.177	200.886
	65 Fluoranthene	202.00	17.982	(1.184)	14844	0.883	4.416(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.511	(0.865)	661617	35.682	178.410
$	68 Terphenyl-d14	244.00	19.018	(0.889)	451881	37.237	186.184
	69 Butylbenzylphthalate	149.00	20.282	(0.948)	13304	1.246	6.231(a)
	70 Benzo(a)anthracene	228.00	Compound Not Detected.				
*	71 Chrysene-d12	240.00	21.389	(1.000)	367363	40.000	
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	Compound Not Detected.				
	74 bis(2-Ethylhexyl)phthalate	149.00	21.739	(1.016)	6221	0.439	2.195(a)
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	Compound Not Detected.				
	77 Benzo(k)fluoranthene	252.00	Compound Not Detected.				
	78 Benzo(a)pyrene	252.00	Compound Not Detected.				

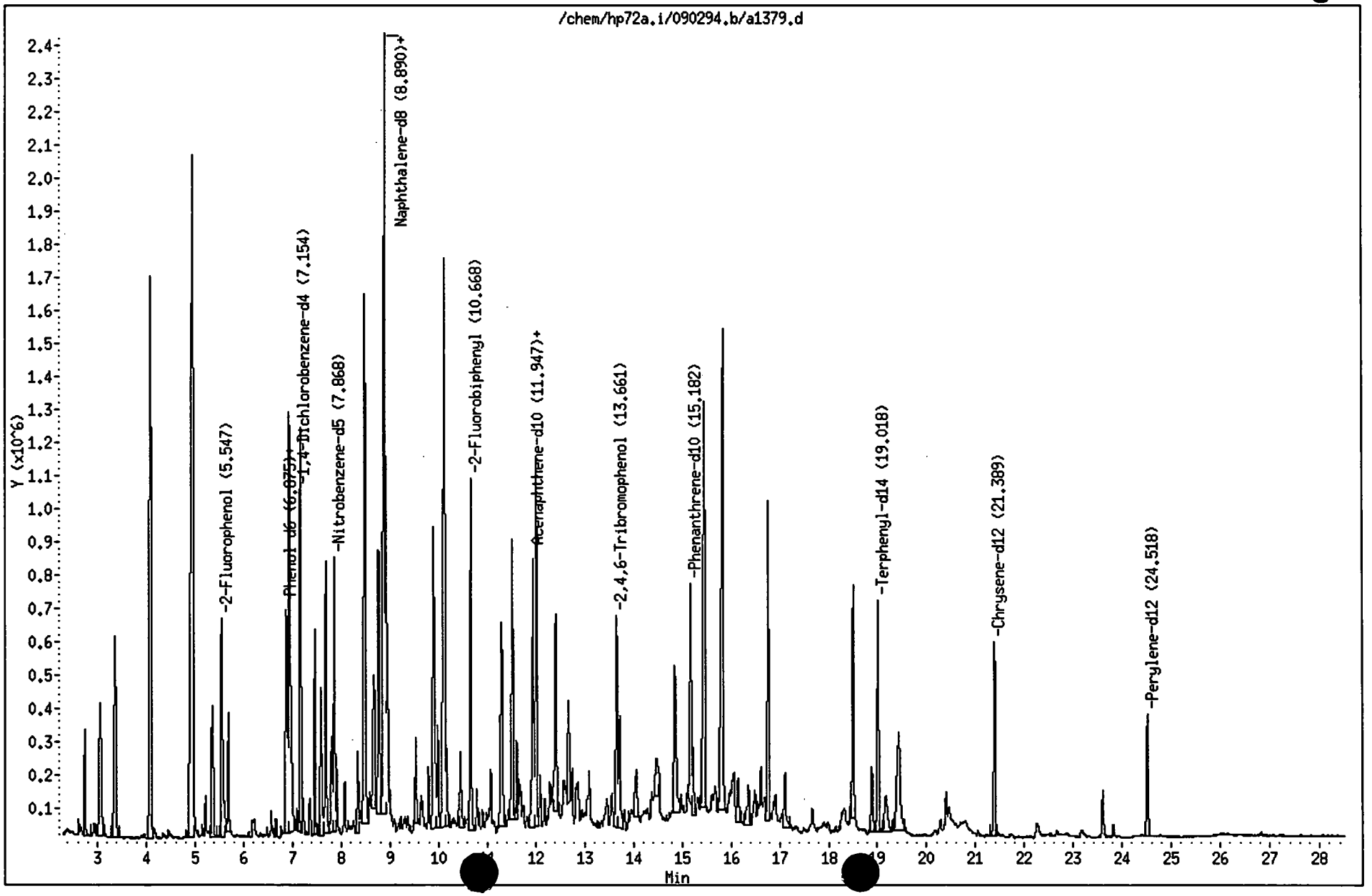
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.518	(1.000)	282881	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

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

Data File: /chem/hp72a.i/090294.b/a1379.d
Date : 02-SEP-94 15:07
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000391



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260051
CLIENT ID : SBA-13(MS)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 15:09 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	1200	396
Acenaphthylene	<	DL	1200	396
Anthracene		923	1200	396
Benzidine	<	DL	1200	1580
Benzo(a)anthracene	<	DL	1200	396
Benzo(a)pyrene	<	DL	1200	396
Benzo(b)fluoranthene	<	DL	1200	396
Benzo(ghi)perylene	<	DL	1200	396
Benzo(k)fluoranthene	<	DL	1200	396
bis(2-Chloroethoxy)methane	<	DL	1200	396
bis(2-Chloroethyl)ether	<	DL	1200	396
bis(2-Chloroisopropyl)ether	<	DL	1200	396
bis(2-Ethylhexyl)phthalate	<	DL	1200	396
4-Bromophenyl phenyl ether	<	DL	1200	396
Butyl benzyl phthalate	<	DL	1200	396
2-Chloronaphthalene	<	DL	1200	396
4-Chlorophenyl phenyl ether	<	DL	1200	396
Chrysene	<	DL	1200	396
Dibenzo(a,h)anthracene	<	DL	1200	396
1,2-Dichlorobenzene	<	DL	1200	396
1,3-Dichlorobenzene	<	DL	1200	396
1,4-Dichlorobenzene	<	DL	1200	396
3,3'-Dichlorobenzidine	<	DL	1200	792
Diethyl phthalate	<	DL	1200	396
Dimethyl phthalate	<	DL	1200	396
Di-n-butyl phthalate	<	DL	1200	396
2,4-Dinitrotoluene	<	DL	1200	396
2,6-Dinitrotoluene	<	DL	1200	396
Di-n-octyl phthalate	<	DL	1200	396
1,2-Diphenylhydrazine *	<	DL	1200	396
Fluoranthene	<	DL	1200	396
Fluorene	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000392

Inchcape Testing Services
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260051
CLIENT ID : SBA-13(MS)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 15:09 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER	RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	< DL	1200	396
Hexachlorobutadiene	< DL	1200	396
Hexachlorocyclopentadiene	< DL	1200	396
Hexachloroethane	< DL	1200	396
Indeno(1,2,3-c,d)pyrene	< DL	1200	396
Isophorone	< DL	1200	396
Naphthalene	< DL	1200	396
Nitrobenzene	< DL	1200	396
N-Nitrosodimethylamine	< DL	1200	396
N-Nitrosodi-n-propylamine	< DL	1200	396
N-Nitrosodiphenylamine **	< DL	1200	396
Phenanthrene	< DL	1200	396
Pyrene	< DL	1200	396
1,2,4-Trichlorobenzene	< DL	1200	396
2-Chlorophenol	< DL	1200	396
2,4-Dichlorophenol	< DL	1200	396
2,4-Dimethylphenol	< DL	1200	396
4,6-Dinitro-o-cresol	< DL	1200	1980
2,4-Dinitrophenol	< DL	1200	1980
2-Nitrophenol	< DL	1200	396
4-Nitrophenol	< DL	1200	1980
p-Chloro-m-cresol	< DL	1200	396
Pentachlorophenol	< DL	1200	1980
Phenol	< DL	1200	396
2,4,6-Trichlorophenol	< DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1462.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 21:51 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:200/S-2/0826-50MS-51
Misc Info : PRC/BNA/5:200/S-2/0826-50MS-51
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 13 QC Sample: MS
Dil Factor: 1200.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.731	(0.383)	1105	0.357	14.284(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	7.138	(1.000)	1570	0.349	13.962(TaQ)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	7.159	(1.003)	1055	0.228	9.136(aQ)
	10 1,4-Dichlorobenzene-d4	152.00	7.138	(1.000)	115068	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	7.159	(1.003)	1055	0.238	9.518(aQ)
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	7.159	(1.003)	1055	0.242	9.684(aQ)
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.838	(1.000)	389714	40.000	(a)
	29 Naphthalene	128.00	8.866	(1.003)	14462	1.330	53.185(a)
	30 4-Chloroaniline	127.00	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	10.009	(1.133)	4681	0.661	26.440(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.995	(1.005)	3235	0.282	11.289(Ta)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
	44 Acenaphthene-d10	164.00	11.938	(1.000)	217128	40.000	(a)
	45 Acenaphthene	152.00	11.995	(1.005)	3235	0.980	39.180(aR)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.373	(1.036)	10192	1.037	41.467(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.095	(1.097)	18998	2.602	104.070(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.166	(1.000)	308345	40.000	(a)
	62 Phenanthrene	178.00	15.216	(1.003)	71323	7.823	312.933(a)
	63 Anthracene	178.00	15.337	(1.011)	208941	23.085	923.387(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.980	(1.186)	53982	6.018	240.702(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.487	(0.865)	46710	4.796	191.840(aR)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.352	(0.999)	10954	1.444	57.748(a)
*	71 Chrysene-d12	240.00	21.380	(1.000)	217123	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.437	(1.003)	20082	3.124	124.975(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.744	(0.969)	11803	1.494	59.754(a)
	77 Benzo(k)fluoranthene	252.00	24.287	(0.991)	3721	0.495	19.781(Ta)
	78 Benzo(a)pyrene	252.00	24.394	(0.995)	6219	0.910	36.419(a)
*	79 Perylene-d12	264.00	24.516	(1.000)	213441	40.000	(a)
	80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

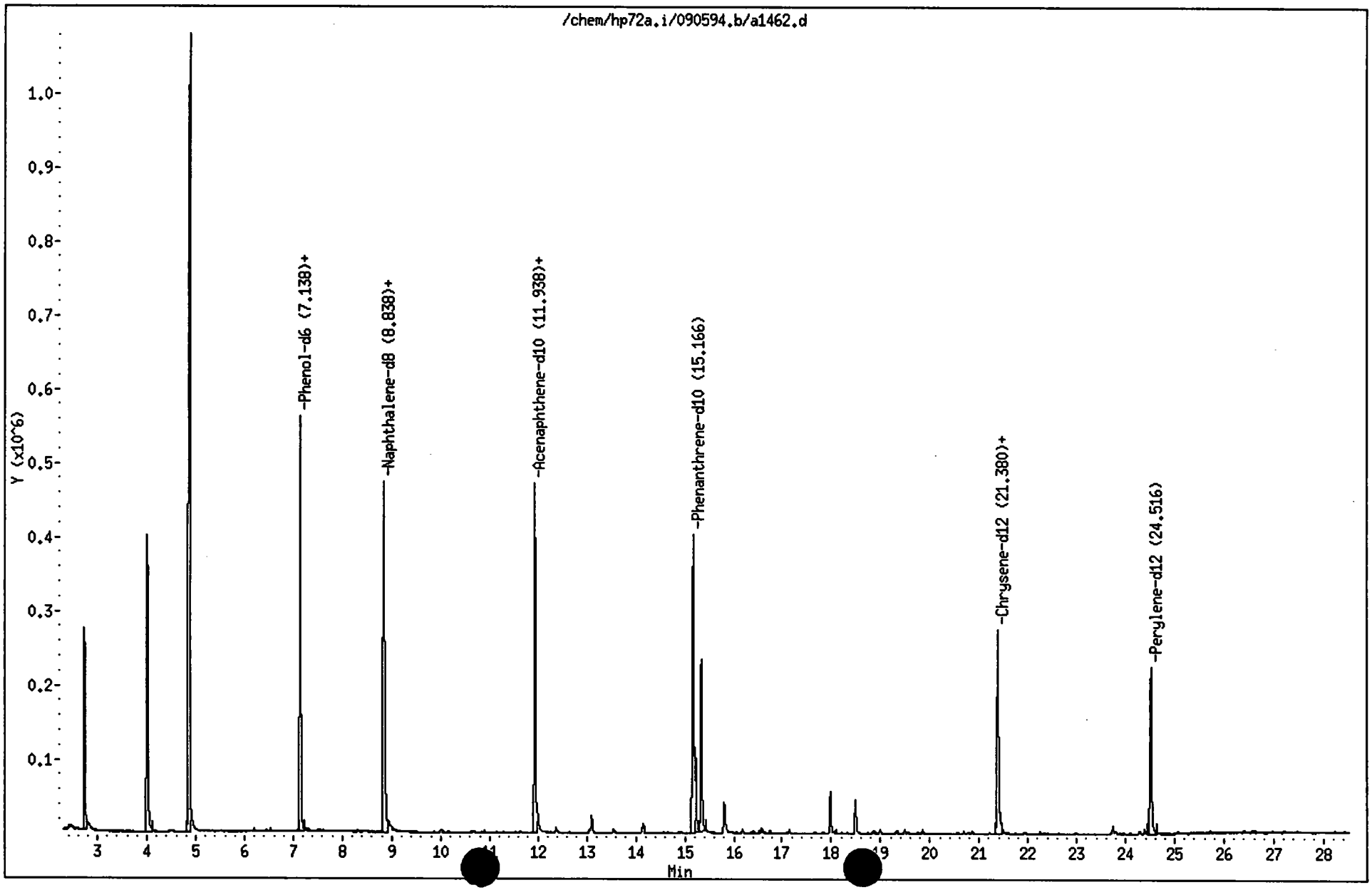
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090594.b/a1462.d
Date : 05-SEP-94 21:51
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Volume Injected (uL) : 1.0

Column diameter : 0.25

0000397



Inchcape Testing Services
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(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260052
CLIENT ID : SBA-13(MSD)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 15:13 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Acenaphthene	<	DL	1200	396
Acenaphthylene	<	DL	1200	396
Anthracene		1490	1200	396
Benzidine	<	DL	1200	1580
Benzo(a)anthracene	<	DL	1200	396
Benzo(a)pyrene	<	DL	1200	396
Benzo(b)fluoranthene	<	DL	1200	396
Benzo(ghi)perylene	<	DL	1200	396
Benzo(k)fluoranthene	<	DL	1200	396
bis(2-Chloroethoxy)methane	<	DL	1200	396
bis(2-Chloroethyl)ether	<	DL	1200	396
bis(2-Chloroisopropyl)ether	<	DL	1200	396
bis(2-Ethylhexyl)phthalate	<	DL	1200	396
4-Bromophenyl phenyl ether	<	DL	1200	396
Butyl benzyl phthalate	<	DL	1200	396
2-Chloronaphthalene	<	DL	1200	396
4-Chlorophenyl phenyl ether	<	DL	1200	396
Chrysene	<	DL	1200	396
Dibenzo(a,h)anthracene	<	DL	1200	396
1,2-Dichlorobenzene	<	DL	1200	396
1,3-Dichlorobenzene	<	DL	1200	396
1,4-Dichlorobenzene	<	DL	1200	396
3,3'-Dichlorobenzidine	<	DL	1200	792
Diethyl phthalate	<	DL	1200	396
Dimethyl phthalate	<	DL	1200	396
Di-n-butyl phthalate	<	DL	1200	396
2,4-Dinitrotoluene	<	DL	1200	396
2,6-Dinitrotoluene	<	DL	1200	396
Di-n-octyl phthalate	<	DL	1200	396
1,2-Diphenylhydrazine *	<	DL	1200	396
Fluoranthene	<	DL	1200	396
Fluorene	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

Inchcape Testing Services
Environmental Laboratories

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Baton Rouge, LA 70820
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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO. : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO. : 9408260052
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SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk ANALYSIS DATE: 09/03/94 METHOD: 8270
ANALYSIS TIME: 15:13 PREP REQ : Y PREP DATE : 08/29/94

PARAMETER		RESULT (mg/kg)	DILUTION	DET LIM (mg/kg)
Hexachlorobenzene	<	DL	1200	396
Hexachlorobutadiene	<	DL	1200	396
Hexachlorocyclopentadiene	<	DL	1200	396
Hexachloroethane	<	DL	1200	396
Indeno(1,2,3-c,d)pyrene	<	DL	1200	396
Isophorone	<	DL	1200	396
Naphthalene	<	DL	1200	396
Nitrobenzene	<	DL	1200	396
N-Nitrosodimethylamine	<	DL	1200	396
N-Nitrosodi-n-propylamine	<	DL	1200	396
N-Nitrosodiphenylamine **	<	DL	1200	396
Phenanthrene		457	1200	396
Pyrene	<	DL	1200	396
1,2,4-Trichlorobenzene	<	DL	1200	396
2-Chlorophenol	<	DL	1200	396
2,4-Dichlorophenol	<	DL	1200	396
2,4-Dimethylphenol	<	DL	1200	396
4,6-Dinitro-o-cresol	<	DL	1200	1980
2,4-Dinitrophenol	<	DL	1200	1980
2-Nitrophenol	<	DL	1200	396
4-Nitrophenol	<	DL	1200	1980
p-Chloro-m-cresol	<	DL	1200	396
Pentachlorophenol	<	DL	1200	1980
Phenol	<	DL	1200	396
2,4,6-Trichlorophenol	<	DL	1200	396

*1,2-Diphenylhydrazine as Azobenzene
**N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine

0000399

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1463.d
Lab. Id. : Quant Type: ISTD
Inj Date : 05-SEP-94 22:28 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/BNA/5:200/S-2/0826-50MSD-52
Misc Info : PRC/BNA/5:200/S-2/0826-50MSD-52
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 14 QC Sample: MSD
Dil Factor: 1200.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	1 n-Nitrosodimethylamine	42.00	2.732	(0.383)	1443	0.442	17.697(a)
	2 Pyridine	79.00	Compound Not Detected.				
$	3 2-Fluorophenol	112.00	Compound Not Detected.				
$	4 Phenol-d6	99.00	7.139	(1.000)	1853	0.391	15.634(Ta)
	5 Aniline	93.00	Compound Not Detected.				
	6 Phenol	94.00	Compound Not Detected.				
	7 bis(-2-Chloroethyl)Ether	93.00	Compound Not Detected.				
	8 2-Chlorophenol	128.00	Compound Not Detected.				
	9 1,3-Dichlorobenzene	146.00	7.160	(1.003)	1704	0.350	13.999(aQ)
	10 1,4-Dichlorobenzene-d4	152.00	7.139	(1.000)	121286	40.000	(a)
	11 1,4-Dichlorobenzene	146.00	7.160	(1.003)	1704	0.365	14.585(aQ)
	12 Benzyl alcohol	108.00	Compound Not Detected.				
	13 1,2-Dichlorobenzene	146.00	7.160	(1.003)	1704	0.371	14.839(TaQ)
	14 2-Methylphenol	108.00	Compound Not Detected.				
	15 Bis(2-chloroisopropyl)ether	45.00	Compound Not Detected.				
	16 3- & 4-Methylphenol	108.00	Compound Not Detected.				
	17 N-Nitroso-di-n-propylamine	70.00	Compound Not Detected.				
	18 Hexachloroethane	117.00	Compound Not Detected.				
$	19 Nitrobenzene-d5	82.00	Compound Not Detected.				
	20 Nitrobenzene	77.00	Compound Not Detected.				
	21 Isophorone	82.00	Compound Not Detected.				
	22 2-Nitrophenol	139.00	Compound Not Detected.				
	23 2,4-Dimethyphenol	122.00	Compound Not Detected.				
	24 bis(-2-Chloroethoxy)methane	93.00	Compound Not Detected.				
	25 Benzoic Acid	122.00	Compound Not Detected.				
	26 2,4-Dichlorophenol	162.00	Compound Not Detected.				
	27 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.				
*	28 Naphthalene-d8	136.00	8.839	(1.000)	403692	40.000	(a)
	29 Naphthalene	128.00	8.867	(1.003)	22819	2.025	81.013(a)

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (mg/Kg)
	30 4-Chloroaniline	127.00	8.867	(1.003)	2541	0.502	20.061(aQ)
	31 Hexachlorobutadiene	225.00	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol	107.00	Compound Not Detected.				
	33 2-Methylnaphthalene	142.00	9.996	(1.131)	8481	1.156	46.246(a)
	34 Hexachlorocyclopentadiene	237.00	Compound Not Detected.				
	35 2,4,6-Trichlorophenol	196.00	Compound Not Detected.				
	36 2,4,5-Trichlorphenol	196.00	Compound Not Detected.				
$	37 2-Fluorobiphenyl	172.00	Compound Not Detected.				
	38 2-Chloronaphthalene	162.00	Compound Not Detected.				
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	Compound Not Detected.				
	41 Acenaphthylene	152.00	11.996	(1.005)	4641	0.384	15.345(Ta)
	42 2,6-Dinitrotoluene	165.00	Compound Not Detected.				
	43 3-Nitroaniline	138.00	Compound Not Detected.				
*	44 Acenaphthene-d10	164.00	11.939	(1.000)	229157	40.000	(a)
	45 Acenaphthene	152.00	11.996	(1.005)	4641	1.331	53.258(aR)
	46 2,4-Dinitrophenol	184.00	Compound Not Detected.				
	47 4-Nitrophenol	109.00	Compound Not Detected.				
	48 Dibenzofuran	168.00	12.374	(1.036)	16864	1.625	65.011(a)
	49 2,4-Dinitrotoluene	165.00	Compound Not Detected.				
	50 Fluorene	166.00	13.096	(1.097)	31811	4.128	165.112(a)
	51 Diethylphthalate	149.00	Compound Not Detected.				
	52 4-Chlorophenyl-phenylether	204.00	Compound Not Detected.				
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	Compound Not Detected.				
	55 N-nitrosodiphenylamine (1)	169.00	Compound Not Detected.				
	56 Azobenzene	77.00	Compound Not Detected.				
$	57 2,4,6-Tribromophenol	330.00	Compound Not Detected.				
	58 4-Bromophenyl-phenylether	248.00	Compound Not Detected.				
	59 Hexachlorobenzene	284.00	Compound Not Detected.				
	60 Pentachlorophenol	266.00	Compound Not Detected.				
*	61 Phenanthrene-d10	188.00	15.167	(1.000)	318636	40.000	(a)
	62 Phenanthrene	178.00	15.217	(1.003)	107669	11.429	457.146(a)
	63 Anthracene	178.00	15.339	(1.011)	349023	37.316	1492.643(a)
	64 Di-n-butylphthalate	149.00	Compound Not Detected.				
	65 Fluoranthene	202.00	17.981	(1.186)	71242	7.685	307.404(a)
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.489	(0.865)	55124	5.499	219.971(aR)
$	68 Terphenyl-d14	244.00	Compound Not Detected.				
	69 Butylbenzylphthalate	149.00	Compound Not Detected.				
	70 Benzo(a)anthracene	228.00	21.360	(0.999)	15892	2.035	81.403(a)
*	71 Chrysene-d12	240.00	21.381	(1.000)	223466	40.000	(a)
	72 3,3'-Dichlorobenzidine	252.00	Compound Not Detected.				
	73 Chrysene	228.00	21.439	(1.003)	23897	3.612	144.495(a)
	74 bis(2-Ethylhexyl)phthalate	149.00	Compound Not Detected.				
	75 Di-n-octylphthalate	149.00	Compound Not Detected.				
	76 Benzo(b)fluoranthene	252.00	23.746	(0.969)	16263	2.022	80.877(a)
	77 Benzo(k)fluoranthene	252.00	24.281	(0.990)	3659	0.478	19.107(Ta)
	78 Benzo(a)pyrene	252.00	24.396	(0.995)	6646	0.956	38.230(a)

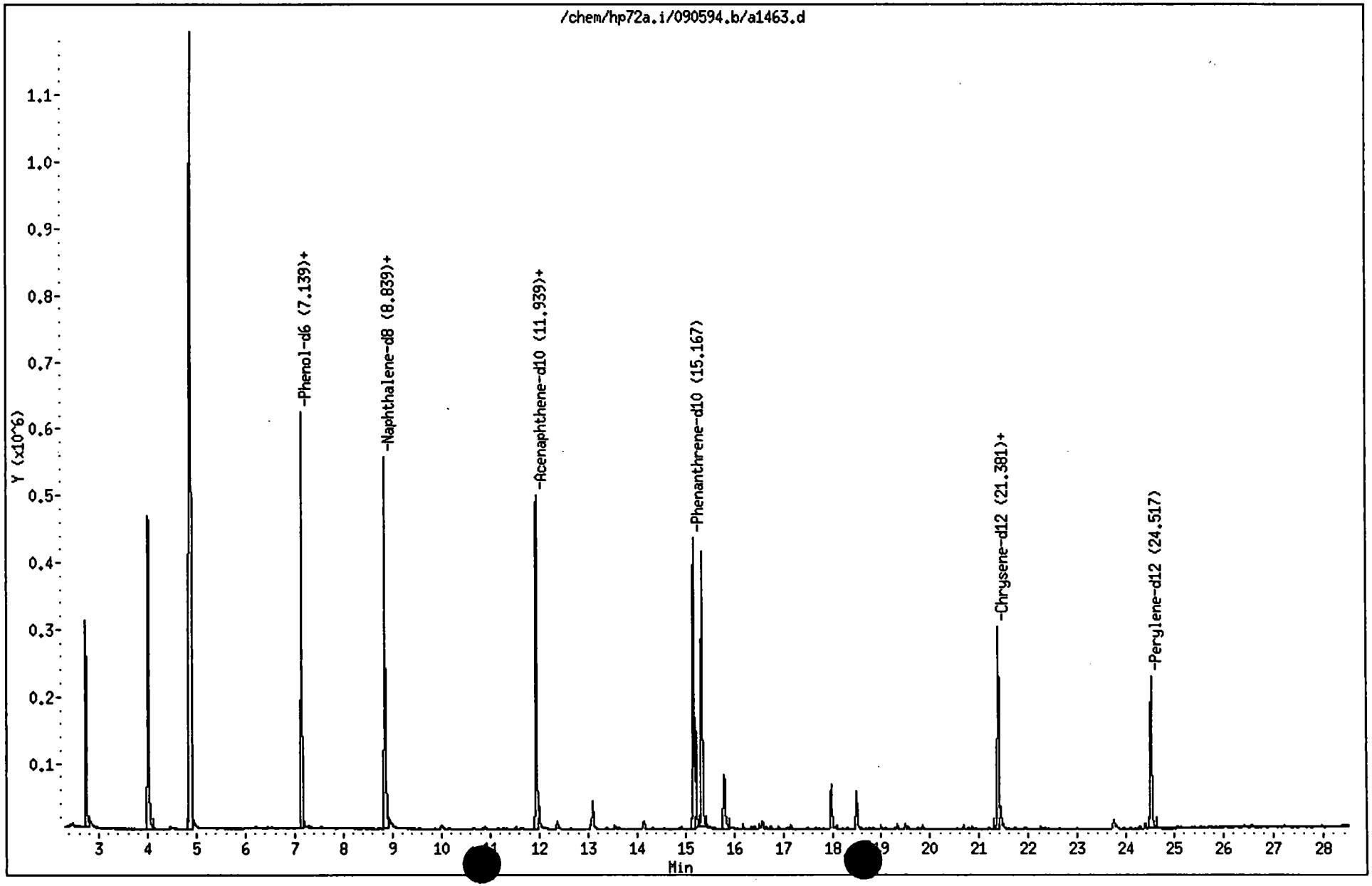
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (mg/Kg)
* 79 Perylene-d12	264.00	24.517	(1.000)	217286	40.000	(a)
80 Indeno(1,2,3-cd)pyrene	276.00	Compound Not Detected.				
81 Dibenzo(a,h)anthracene	278.00	Compound Not Detected.				
82 Benzo(g,h,i)perylene	276.00	Compound Not Detected.				

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
- Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090594.b/a1463.d
Date : 05-SEP-94 22:28
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000403



Inchcape Testing Services

RECOVERY REPORT

Client Name: Client SDG: 090594.b
Sample Matrix: LIQUID Fraction: SV
Client ID: Level: LOW
Data Type: MS DATA SampleType: MS
SpikeList File: Water625.spk Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-51MST

	SPIKE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
6	Phenol	500.000	156.200	31.24	12-89
8	2-Chlorophenol	500.000	287.543	57.51	27-123
11	1,4-Dichlorobenzen	500.000	259.661	51.93	36-97
17	N-Nitroso-di-n-pro	500.000	445.144	89.03	41-116
27	1,2,4-Trichloroben	500.000	295.971	59.19	39-98
32	4-Chloro-3-Methylp	500.000	298.721	59.74	23-97
45	Acenaphthene	500.000	384.033	76.81	46-118
47	4-Nitrophenol	500.000	303.034	60.61	10-80
49	2,4-Dinitrotoluene	500.000	403.977	80.80	24-96
60	Pentachlorophenol	500.000	570.303	114.06 *	9-103
67	Pyrene	500.000	455.765	91.15	26-127

	SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 3	2-Fluorophenol	500.000	171.564	34.31	21-100
$ 4	Phenol-d6	500.000	161.217	32.24	10-94
$ 19	Nitrobenzene-d5	250.000	216.642	86.66	35-114
$ 37	2-Fluorobiphenyl	250.000	206.519	82.61	43-116
$ 57	2,4,6-Tribromophen	500.000	292.209	58.44	10-123
$ 68	Terphenyl-d14	250.000	254.124	101.65	33-141

* - Values outside of QC limits
Spike Recovery: 1 out of 17 outside limits
0 out of 17 not found

Inchcape Testing Services

RECOVERY REPORT

Client Name: Client SDG: 090594.b
Sample Matrix: LIQUID Fraction: SV
Client ID: Level: LOW
Data Type: MS DATA SampleType: MSD
SpikeList File: Water625.spk Quant Type: ISTD
Method File: /chem/hp72a.i/090594.b/ccal02.m
Misc Info: PRC/TCP/200:1/S-1/0826-51MSDT

	SPIKE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED		LIMITS
6	Phenol	500.000	166.787	33.36		12-89
8	2-Chlorophenol	500.000	303.426	60.69		27-123
11	1,4-Dichlorobenzen	500.000	252.087	50.42		36-97
17	N-Nitroso-di-n-pro	500.000	451.349	90.27		41-116
27	1,2,4-Trichloroben	500.000	280.154	56.03		39-98
32	4-Chloro-3-Methylp	500.000	324.901	64.98		23-97
45	Acenaphthene	500.000	385.284	77.06		46-118
47	4-Nitrophenol	500.000	294.723	58.94		10-80
49	2,4-Dinitrotoluene	500.000	403.459	80.69		24-96
60	Pentachlorophenol	500.000	560.388	112.08	*	9-103
67	Pyrene	500.000	491.634	98.33		26-127

	SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED		LIMITS
$ 3	2-Fluorophenol	500.000	187.930	37.59		21-100
$ 4	Phenol-d6	500.000	172.941	34.59		10-94
$ 19	Nitrobenzene-d5	250.000	223.620	89.45		35-114
$ 37	2-Fluorobiphenyl	250.000	207.141	82.86		43-116
$ 57	2,4,6-Tribromophen	500.000	327.350	65.47		10-123
$ 68	Terphenyl-d14	250.000	275.051	110.02		33-141

* - Values outside of QC limits
Spike Recovery: 1 out of 17 outside limits
0 out of 17 not found

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TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260051
CLIENT ID : SBA-13(MS)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 00:20
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1466.d
Lab. Id. : Quant Type: ISTD
Inj Date : 06-SEP-94 00:20 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-51MST
Misc Info : PRC/TCP/200:1/S-1/0826-51MST
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 17 QC Sample: MS
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
1	n-Nitrosodimethylamine	42.00	2.674	(0.374)	225204	60.875	304.373
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	5.531	(0.773)	201650	34.313	171.564
$ 4	Phenol-d6	99.00	6.845	(0.957)	173383	32.243	161.217
5	Aniline	93.00	6.845	(0.957)	450715	58.580	292.899
6	Phenol	94.00	6.859	(0.959)	222537	31.240	156.200
7	bis(-2-Chloroethyl)Ether	93.00	6.845	(0.957)	450715	79.540	397.700
8	2-Chlorophenol	128.00	6.931	(0.969)	297634	57.509	287.543
9	1,3-Dichlorobenzene	146.00	7.074	(0.989)	267712	48.477	242.385
10	1,4-Dichlorobenzene-d4	152.00	7.152	(1.000)	137570	40.000	
11	1,4-Dichlorobenzene	146.00	7.174	(1.003)	275270	51.932	259.661
12	Benzyl alcohol	108.00	7.552	(1.056)	1366	0.519	2.596(aQ)
13	1,2-Dichlorobenzene	146.00	7.359	(1.029)	277886	53.336	266.681
14	2-Methylphenol	108.00	7.552	(1.056)	1366	0.302	1.508(aQ)
15	Bis(2-chloroisopropyl)ether	45.00	7.517	(1.051)	515068	79.887	399.436
16	3- & 4-Methylphenol	108.00	7.552	(1.056)	1366	0.306	1.529(TaQ)
17	N-Nitroso-di-n-propylamine	70.00	7.695	(1.076)	410563	89.029	445.144
18	Hexachloroethane	117.00	7.774	(1.087)	109519	49.026	245.132
$ 19	Nitrobenzene-d5	82.00	7.867	(0.889)	294642	43.328	216.642
20	Nitrobenzene	77.00	7.895	(0.893)	537623	77.970	389.848
21	Isophorone	82.00	8.217	(0.929)	1020793	85.491	427.454
22	2-Nitrophenol	139.00	8.324	(0.941)	269389	75.346	376.731
23	2,4-Dimethyphenol	122.00	8.445	(0.955)	91424	23.116	115.580
24	bis(-2-Chloroethoxy)methane	93.00	8.538	(0.965)	565045	82.418	412.089
25	Benzoic Acid	122.00	8.624	(1.206)	6838	2.503	12.517(aQ)
26	2,4-Dichlorophenol	162.00	8.709	(0.985)	236073	59.728	298.638
27	1,2,4-Trichlorobenzene	180.00	8.767	(0.991)	248931	59.194	295.971
* 28	Naphthalene-d8	136.00	8.845	(1.000)	467303	40.000	
29	Naphthalene	128.00	8.881	(1.004)	1085182	83.206	416.029

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.881	(1.004)	121396	20.699	103.493(Q)
	31 Hexachlorobutadiene	225.00	9.066	(1.025)	133286	48.388	241.939
	32 4-Chloro-3-Methylphenol	107.00	9.859	(1.115)	297087	59.744	298.721
	33 2-Methylnaphthalene	142.00	9.981	(1.128)	15962	1.880	9.399(a)
	34 Hexachlorocyclopentadiene	237.00	10.259	(0.859)	100670	37.581	187.905
	35 2,4,6-Trichlorophenol	196.00	10.538	(0.882)	164578	64.840	324.199
	36 2,4,5-Trichlorphenol	196.00	10.538	(0.882)	164578	55.111	275.555
$	37 2-Fluorobiphenyl	172.00	10.666	(0.893)	400965	41.304	206.519
	38 2-Chloronaphthalene	162.00	10.866	(0.910)	612284	73.686	368.428
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	11.488	(0.962)	204335	18.925	94.625
	41 Acenaphthylene	152.00	11.659	(0.976)	1014302	75.146	375.732
	42 2,6-Dinitrotoluene	165.00	11.609	(0.972)	202630	77.728	388.639
	43 3-Nitroaniline	138.00	12.159	(1.018)	2478	0.958	4.788(TaQ)
*	44 Acenaphthene-d10	164.00	11.945	(1.000)	255674	40.000	
	45 Acenaphthene	152.00	12.016	(1.006)	298702	76.807	384.033
	46 2,4-Dinitrophenol	184.00	12.166	(1.019)	125692	112.050	560.250
	47 4-Nitrophenol	109.00	12.538	(1.050)	74419	60.607	303.034
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	12.438	(1.041)	282957	80.795	403.977
	50 Fluorene	166.00	13.109	(1.097)	675943	78.614	393.069
	51 Diethylphthalate	149.00	12.988	(1.087)	598205	55.987	279.935
	52 4-Chlorophenyl-phenylether	204.00	13.159	(1.102)	345177	77.186	385.930
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	13.309	(0.877)	173970	108.080	540.399
	55 N-nitrosodiphenylamine (1)	169.00	13.445	(0.886)	457293	82.834	414.168
	56 Azobenzene	77.00	13.509	(1.889)	1086907	89.861	449.306
$	57 2,4,6-Tribromophenol	330.00	13.652	(1.143)	88174	58.442	292.209
	58 4-Bromophenyl-phenylether	248.00	14.238	(0.938)	183831	86.449	432.245
	59 Hexachlorobenzene	284.00	14.316	(0.944)	200851	85.582	427.908
	60 Pentachlorophenol	266.00	14.823	(0.977)	123286	114.061	570.303(R)
*	61 Phenanthrene-d10	188.00	15.173	(1.000)	348003	40.000	
	62 Phenanthrene	178.00	15.245	(1.005)	907607	88.209	441.046
	63 Anthracene	178.00	15.359	(1.012)	881830	86.325	431.627
	64 Di-n-butylphthalate	149.00	16.766	(1.105)	1277397	85.322	426.608
	65 Fluoranthene	202.00	18.002	(1.186)	856395	84.586	422.931
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.516	(0.865)	848809	91.153	455.765
$	68 Terphenyl-d14	244.00	19.009	(0.888)	304166	50.825	254.124
	69 Butylbenzylphthalate	149.00	20.295	(0.948)	476201	88.755	443.776
	70 Benzo(a)anthracene	228.00	21.380	(0.999)	663522	91.465	457.324
*	71 Chrysene-d12	240.00	21.409	(1.000)	207594	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.430	(1.001)	129572	52.363	261.814
	73 Chrysene	228.00	21.473	(1.003)	546701	88.960	444.802
	74 bis(2-Ethylhexyl)phthalate	149.00	21.752	(1.016)	666122	92.403	462.015
	75 Di-n-octylphthalate	149.00	23.230	(0.947)	1109784	67.282	336.409
	76 Benzo(b)fluoranthene	252.00	23.780	(0.969)	576804	67.944	339.718
	77 Benzo(k)fluoranthene	252.00	23.845	(0.972)	518837	64.176	320.878
	78 Benzo(a)pyrene	252.00	24.423	(0.996)	490629	66.850	334.249

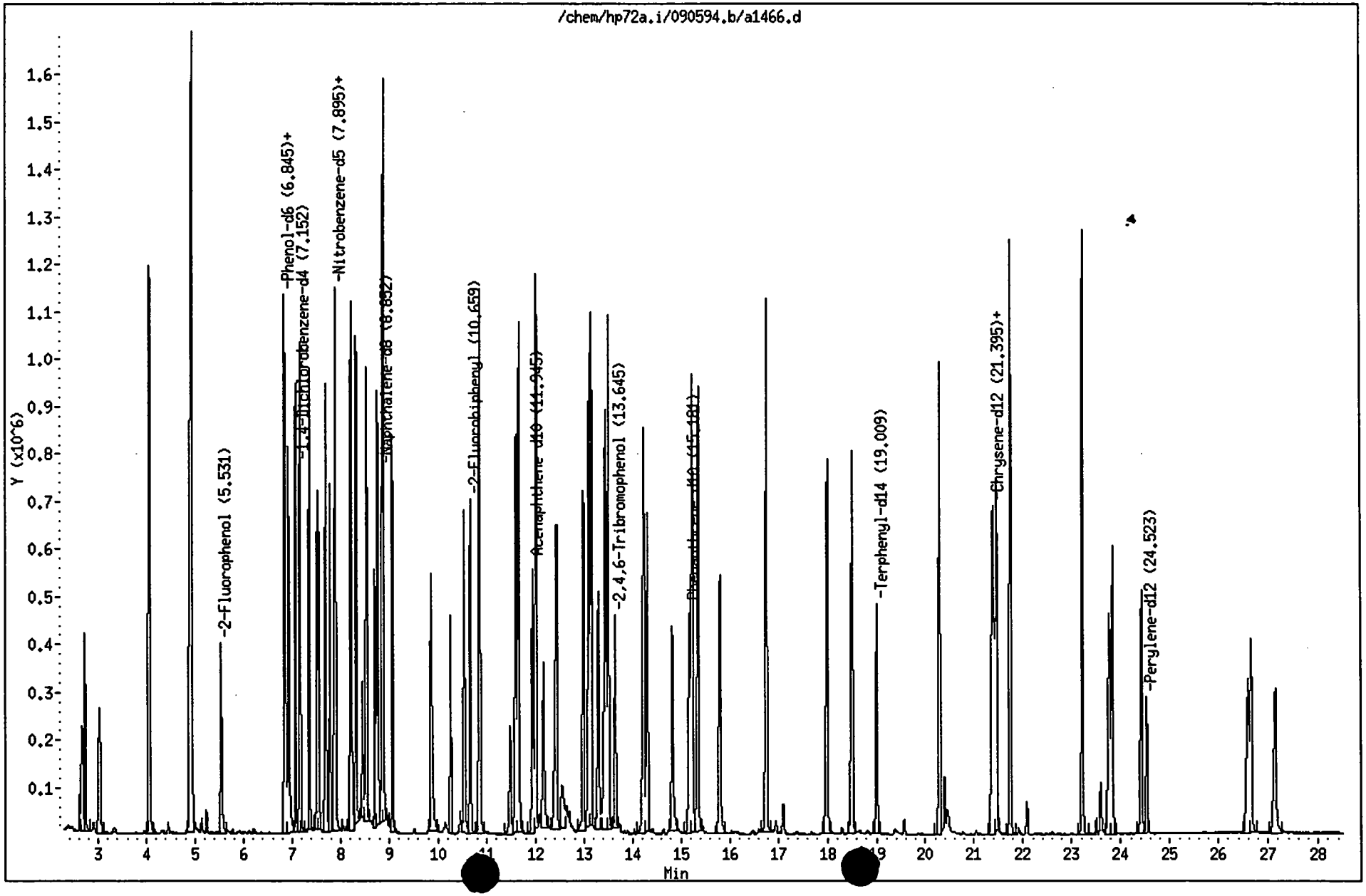
Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.530	(1.000)	229337	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.602	(1.084)	458697	73.131	365.655
81 Dibenzo(a,h)anthracene	278.00	26.673	(1.087)	451910	68.810	344.052
82 Benzo(g,h,i)perylene	276.00	27.159	(1.107)	463539	72.750	363.750

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
- Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090594.b/a1466.d
Date : 06-SEP-94 00:20
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

0000410



Inchcape Testing Services
Environmental Laboratories

7979 GSRI Ave.
Baton Rouge, LA 70820
(504) 769-4900
FAX (504) 767-5717

TO: PRC ENVIRONMENTAL MGMT/DALLAS

GROUP NO : 9403016
PROJECT NO. :
REPORT DATE : 09/30/94
MATRIX : SOLID
RECEIVE DATE: 08/25/94

SAMPLE NO : 9408260052
CLIENT ID : SBA-13(MSD)
SAMPLE DATE: 08/25/94
SAMPLE TIME: 08:17

ANALYST: jmk
ANALYSIS DATE: 09/06/94
ANALYSIS TIME: 00:58
PREP DATE: 08/30/94

ALL UNITS ARE (mg/L)

TCLP CONTAMINANT	RESULT	REG LIM	DET LIM	DILUTION	METHOD
1,4-Dichlorobenzene	< DL	7.5	0.05	1	8270
2,4-Dinitrotoluene	< DL	0.13	0.05	1	8270
Hexachlorobenzene	< DL	0.13	0.05	1	8270
Hexachlorobutadiene	< DL	0.5	0.05	1	8270
Hexachloroethane	< DL	3.0	0.05	1	8270
Nitrobenzene	< DL	2.0	0.05	1	8270
Pyridine	< DL	5.0	0.05	1	8270
o-Cresol	< DL	200.0	0.05	1	8270
m & p-Cresol	< DL	200.0	0.05	1	8270
Cresols	< DL	200.0	0.05	1	8270
Pentachlorophenol	< DL	100.0	0.05	1	8270
2,4,5-Trichlorophenol	< DL	400.0	0.05	1	8270
2,4,6-Trichlorophenol	< DL	2.0	0.05	1	8270

*** DENOTES TCLP REGULATORY LIMIT EXCEEDED

Inchcape Testing Services

BNA QUANT AND RATIO REPORT

Data file : /chem/hp72a.i/090594.b/a1467.d
Lab. Id. : Quant Type: ISTD
Inj Date : 06-SEP-94 00:58 Autotune Date: {
Operator : Inst ID: hp72a.i
Smp Info : PRC/TCP/200:1/S-1/0826-51MSDT
Misc Info : PRC/TCP/200:1/S-1/0826-51MSDT
Comment :
Method : /chem/hp72a.i/090594.b/ccal02.m
Meth Date : 05-Sep-1994 15:22
Cal Date : 05-SEP-94 14:43 Cal File: a1451.d
Als bottle: 18 QC Sample: MSD
Dil Factor: 5.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

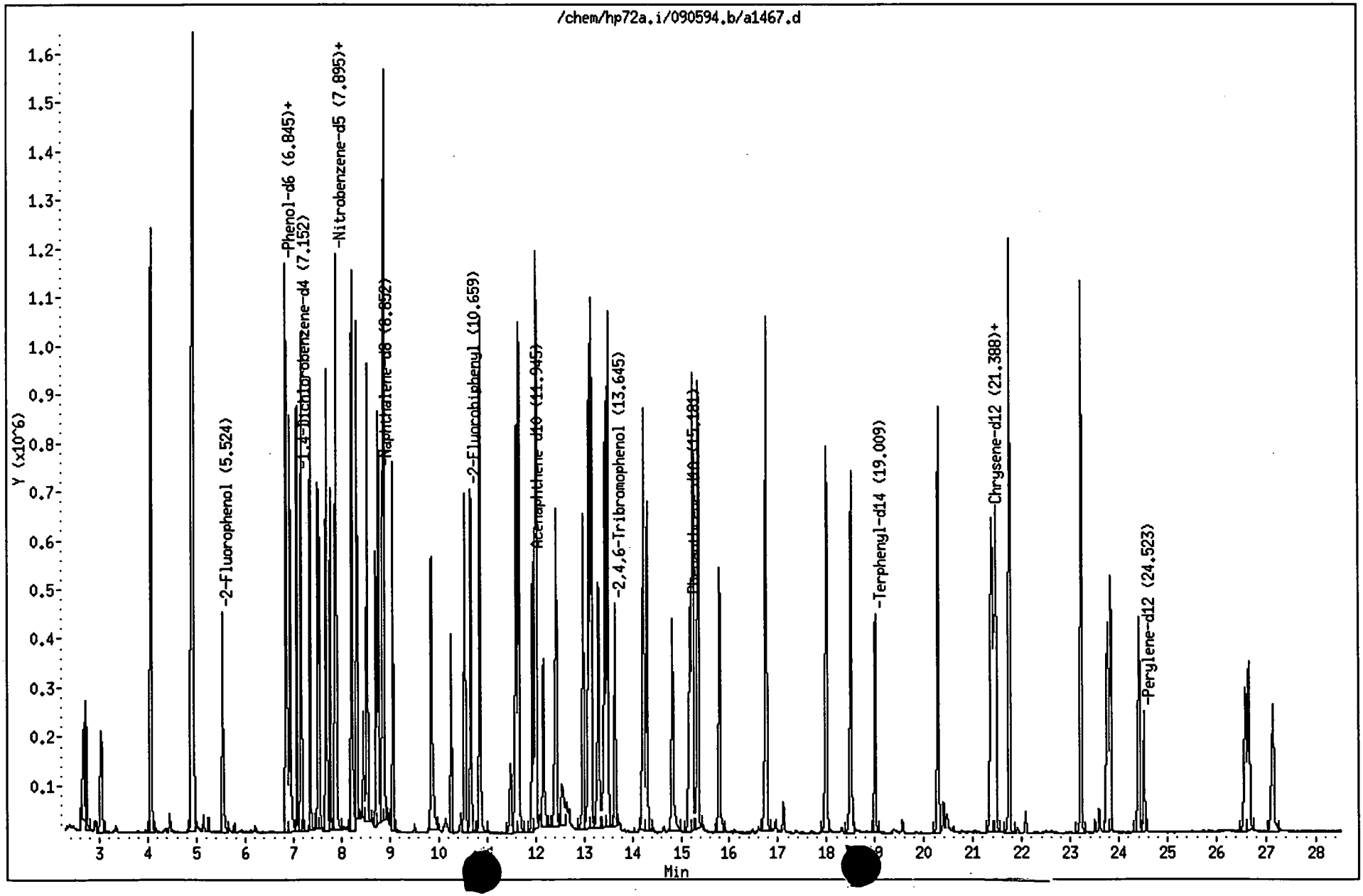
	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
1	n-Nitrosodimethylamine	42.00	2.688	(0.376)	217734	60.427	302.135
2	Pyridine	79.00	Compound Not Detected.				
$ 3	2-Fluorophenol	112.00	5.524	(0.773)	215141	37.586	187.930
$ 4	Phenol-d6	99.00	6.838	(0.957)	181154	34.588	172.941
5	Aniline	93.00	6.845	(0.958)	444516	59.317	296.584
6	Phenol	94.00	6.860	(0.960)	231439	33.357	166.787
7	bis(-2-Chloroethyl)Ether	93.00	6.845	(0.958)	444516	80.541	402.704
8	2-Chlorophenol	128.00	6.931	(0.970)	305906	60.685	303.426
9	1,3-Dichlorobenzene	146.00	7.074	(0.990)	255807	47.558	237.790
10	1,4-Dichlorobenzene-d4	152.00	7.145	(1.000)	133992	40.000	
11	1,4-Dichlorobenzene	146.00	7.174	(1.004)	260290	50.417	252.087
12	Benzyl alcohol	108.00	7.552	(1.057)	1476	0.576	2.880(aQ)
13	1,2-Dichlorobenzene	146.00	7.352	(1.029)	262950	51.817	259.085
14	2-Methylphenol	108.00	7.552	(1.057)	1476	0.335	1.673(aQ)
15	Bis(2-chloroisopropyl)ether	45.00	7.517	(1.052)	515158	82.035	410.174
16	3- & 4-Methylphenol	108.00	7.552	(1.057)	1476	0.339	1.696(TaQ)
17	N-Nitroso-di-n-propylamine	70.00	7.695	(1.077)	405459	90.270	451.349
18	Hexachloroethane	117.00	7.774	(1.088)	104330	47.951	239.753
$ 19	Nitrobenzene-d5	82.00	7.867	(0.889)	296667	44.724	223.620
20	Nitrobenzene	77.00	7.895	(0.893)	535863	79.670	398.350
21	Isophorone	82.00	8.217	(0.929)	995652	85.484	427.419
22	2-Nitrophenol	139.00	8.317	(0.940)	269699	77.331	386.655
23	2,4-Dimethyphenol	122.00	8.445	(0.955)	67081	17.388	86.939
24	bis(-2-Chloroethoxy)methane	93.00	8.538	(0.965)	556448	83.206	416.032
25	Benzoic Acid	122.00	8.624	(1.207)	6519	2.450	12.252(aQ)
26	2,4-Dichlorophenol	162.00	8.709	(0.985)	239858	62.212	311.062
27	1,2,4-Trichlorobenzene	180.00	8.767	(0.991)	229844	56.031	280.154
* 28	Naphthalene-d8	136.00	8.845	(1.000)	455832	40.000	
29	Naphthalene	128.00	8.881	(1.004)	1046780	82.281	411.406

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	30 4-Chloroaniline	127.00	8.881	(1.004)	85809	14.999	74.995(Q)
	31 Hexachlorobutadiene	225.00	9.067	(1.025)	119414	44.443	222.214
	32 4-Chloro-3-Methylphenol	107.00	9.859	(1.115)	315192	64.980	324.901
	33 2-Methylnaphthalene	142.00	9.981	(1.128)	15821	1.910	9.550(a)
	34 Hexachlorocyclopentadiene	237.00	10.259	(0.859)	92988	35.428	177.142
	35 2,4,6-Trichlorophenol	196.00	10.538	(0.882)	168513	67.758	338.789
	36 2,4,5-Trichlorphenol	196.00	10.538	(0.882)	168513	57.591	287.956
$	37 2-Fluorobiphenyl	172.00	10.659	(0.892)	394055	41.428	207.141
	38 2-Chloronaphthalene	162.00	10.867	(0.910)	582630	71.561	357.807
	39 2-Nitroaniline	138.00	Compound Not Detected.				
	40 Dimethylphthalate	163.00	11.488	(0.962)	128823	12.177	60.885
	41 Acenaphthylene	152.00	11.659	(0.976)	988717	74.760	373.800
	42 2,6-Dinitrotoluene	165.00	11.609	(0.972)	202005	79.084	395.422
	43 3-Nitroaniline	138.00	12.167	(1.019)	2307	0.910	4.550(TaQ)
*	44 Acenaphthene-d10	164.00	11.945	(1.000)	250513	40.000	
	45 Acenaphthene	152.00	12.017	(1.006)	293626	77.057	385.284
	46 2,4-Dinitrophenol	184.00	12.167	(1.019)	130985	119.174	595.871
	47 4-Nitrophenol	109.00	12.552	(1.051)	70917	58.945	294.723(Q)
	48 Dibenzofuran	168.00	Compound Not Detected.				
	49 2,4-Dinitrotoluene	165.00	12.438	(1.041)	276890	80.692	403.459
	50 Fluorene	166.00	13.109	(1.097)	667838	79.271	396.356
	51 Diethylphthalate	149.00	12.988	(1.087)	508991	48.619	243.094
	52 4-Chlorophenyl-phenylether	204.00	13.159	(1.102)	340782	77.773	388.866
	53 4-Nitroaniline	138.00	Compound Not Detected.				
	54 4,6-Dinitro-o-cresol	198.00	13.309	(0.877)	175282	107.020	535.100
	55 N-nitrosodiphenylamine (1)	169.00	13.445	(0.886)	462693	82.369	411.843
	56 Azobenzene	77.00	13.509	(1.891)	1078948	91.585	457.926
$	57 2,4,6-Tribromophenol	330.00	13.652	(1.143)	96784	65.470	327.350
	58 4-Bromophenyl-phenylether	248.00	14.238	(0.938)	180771	83.546	417.731
	59 Hexachlorobenzene	284.00	14.316	(0.943)	201772	84.494	422.468
	60 Pentachlorophenol	266.00	14.824	(0.976)	123265	112.078	560.388(R)
*	61 Phenanthrene-d10	188.00	15.181	(1.000)	354100	40.000	
	62 Phenanthrene	178.00	15.245	(1.004)	907449	86.675	433.376
	63 Anthracene	178.00	15.359	(1.012)	885221	85.165	425.826
	64 Di-n-butylphthalate	149.00	16.766	(1.104)	1243072	81.599	407.997
	65 Fluoranthene	202.00	18.002	(1.186)	833517	80.909	404.545
	66 Benzidine	184.00	Compound Not Detected.				
	67 Pyrene	202.00	18.516	(0.865)	820914	98.327	491.634
$	68 Terphenyl-d14	244.00	19.009	(0.888)	295165	55.010	275.051
	69 Butylbenzylphthalate	149.00	20.295	(0.948)	434820	90.391	451.956
	70 Benzo(a)anthracene	228.00	21.381	(0.999)	605708	93.127	465.633
*	71 Chrysene-d12	240.00	21.402	(1.000)	186124	40.000	
	72 3,3'-Dichlorobenzidine	252.00	21.431	(1.001)	124471	56.104	280.519
	73 Chrysene	228.00	21.466	(1.003)	511044	92.751	463.754
	74 bis(2-Ethylhexyl)phthalate	149.00	21.745	(1.016)	632239	97.820	489.098
	75 Di-n-octylphthalate	149.00	23.231	(0.947)	1009611	72.492	362.460
	76 Benzo(b)fluoranthene	252.00	23.773	(0.969)	518721	72.365	361.827
	77 Benzo(k)fluoranthene	252.00	23.838	(0.972)	442242	64.785	323.926
	78 Benzo(a)pyrene	252.00	24.423	(0.996)	426584	68.838	344.190

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
* 79 Perylene-d12	264.00	24.523	(1.000)	193641	40.000	
80 Indeno(1,2,3-cd)pyrene	276.00	26.595	(1.084)	373815	70.584	352.922
81 Dibenzo(a,h)anthracene	278.00	26.659	(1.087)	374768	67.584	337.918
82 Benzo(g,h,i)perylene	276.00	27.145	(1.107)	380588	70.742	353.711

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
- Spike/Surrogate failed recovery limits.

Data File: /chem/hp72a.i/090594.b/a1467.d
Date : 06-SEP-94 00:58
Instrument : hp72a.i
Sample ID :
Column phase : hp-5MS
Column diameter : 0.25
Volume Injected (uL) : 1.0

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