Northeastern Analytical Corp.

SDG# 7505

TASK#: 7505

Polychlorinated Biphenyl Compounds Data Package

Galson Laboratories

Galson Laboratories

6601 Kirkville Road
E. Syracuse, NY 13057
Tel: (315) 432-0506
1-800-950-0506

March 27, 1992

Ms. Louise Perry
Northeastern Analytical Corporation
Evesham Corporate Center
4 East Stow Road
Marlton, New Jersey 08053

Re: Analytical Services

Task No.: 7505

Dear Ms. Perry:

The following contains the analytical results of the samples received by our laboratory on March 18, 1992. The samples were analyzed by SW-846 method 8080 following NYS-DEC ASP category B protocol.

Polychlorinated Biphenyls (PCBs)
All quality control results were within acceptable control limits.

Please do not hesitate to call if you require any additional information regarding this report.

Sincerely,

Gale Sutton, CIH
Laboratory Director
GALSON LABORATORIES

Galson Laboratories

Table of Contents - Polychlorinated Biphenyl Compounds Data Package

Northeastern Analytical Corporation

SDG # 7505

Task #:7505

ROUX

CHAIN OF CUSTODY

№ 00157

Ground-Water Consultants
ROUX ASSOCIATES INC

PROJECT NAME: AMTRAK
PROJECT NUMBER: 05515Y
PROJECT LOCATION: Sunnyside Yd. Queens, N.Y.
SAMPLER(S): [signature]

ANALYSES — PAGE 2 OF 2

SAMPLE DESIGNATION/LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PCBs (8080)	ES (600 mL)	PRESERVATION
MW-25	3/17/92	09:00	H_2O	Northeastern Analytical Corpo 7505-001 Mar-18-1992 Water MW-25	2	ICE
M/S	↓	09:15	↓	Northeastern Analytical Corpo 7505-002 Mar-18-1992 Water MW-25 MS	2	↓
M/SD	↓	09:30	↓	Northeastern Analytical Corpo 7505-003 Mar-18-1992 Water MW-25 MSD	2	↓
F.B.	↓	08:45	↓	Northeastern Analytical Corpo 7505-004 Mar-18-1992 Water FIELD BK.	2	↓
MW-25-Alternate	3/17/92	09:45	H_2O	May be used for any of the above in case of breakage except F.B.	2	X
				Northeastern Analytical Corpo 7505-005 Mar-18-1992 Water MBS		
				Northeastern Analytical Corpo 7505-006 Mar-18-1992 Water QC CHECK		

RELINQUISHED BY: SAMPLER'S (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED	SEAL INTACT Y OR N
[signature]	Gregory Roux	3/17/92	14:00	(Y) OR N		
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE) FOR	DATE / TIME / SEAL INTACT Y OR N
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE) FOR	DATE / TIME / SEAL INTACT Y OR N

DELIVERY METHOD: FED EX

ANALYTICAL LABORATORY: GAULSON LABORATORY

COMMENTS: ~~ASP~~ NYSDEC ASP CATEGORY B DELIVERABLES PACKAGE, 1 WK. T.A.T. REQUESTED - Att: Sherry Wemlerg

Air bill # 868306473 6

003

Internal Chain of Custody Receipt and Termination Form

Client : VAC
Job # : 10580
Task : 7505
VTSR : 3/18/92 [illegible] (Date/Time)**

Cover Page 1 of 1
Final Report Date :
Disposal Holding Interval : ***
Request #:

Q: 5 D: 6

Sample #	Client Id	Matrix #	pH	# Contr's Received	Storage Area	Analytes Circle Requests	Hazard Level	Containers Taken / Retn.
001	MW-25	[illegible]	[illegible]	2	29/[illegible]	PCB (8080)		/
002	MS							/
003	MSD							/
004	FB							/
	Alternate					(*)		/

(*) - Alternate may be used in case of breakage or if needed to replace all except F.B.

Total # of Containers For Task: 10
Sample Receipt/Breakdown By: [signature] (Sig) 3/18/92 [illegible] (Date/Time)
Sample Storage By: [signature] (Sig) 3/18/92 [illegible] (Date/Time)
Sample Disposal By: ____ (Sig) ____ (Date/Time)
Disposal Comments:

Total # Cntr's Taken:

Total # Cntr's Ret.:

* - pH adjustment was required, see attached sheet.
** - VTSR = Validated Time of Sample Receipt
*** - The period of time after final report for which the contract requires the lab tomaintain custody of the samples in question.
NR = Entire sample used: none to return.

Released To: ____ (Sig) Released By : ____ (Sig) ____ (Date/Time)
Returned By: ____ (Sig) Returned To : ____ (Sig) ____ (Date/Time)

Internal Chain of Custody Receipt and Termination Form

Client : NAC
Job # : 10580
Task : 7505
VTSR : 3-18-92 / 11:10 (Date/Time)**

Cover Page 1 of 1
Final Report Date :
Disposal Holding Interval : ***
Request #: 01

Q: 5 D: B

Sample #	Client Id	Matrix #	pH	# Contr's Received	Storage Area	Analytes Circle Requests	Hazard Level	Containers Taken / Retn
001	MW-25	H2O/water	NA	2	39/non	PCB (8080)		1 / NR
002	MS							1 /
003	MSD							1 /
004	FB							1 /
	Alternate					(*)		1 /

(*) - Alternate may be used in case of breakage or if needed to replace all except F.B.

Total # of Containers For Task: 10

Sample Receipt/Breakdown By: [signature] (Sig) 3-18-92 11:10 (Date/Time)
Sample Storage By: [signature] (Sig) 3-18-92 11:18 (Date/Time)
Sample Disposal By: ____ (Sig) ____ (Date/Time)
Disposal Comments:

Total # Cntr's Taken: 04

* - pH adjustment was required, see attached sheet.
** - VTSR = Validated Time of Sample Receipt
*** - The period of time after final report for which the contract requires the lab tomaintain custody of the samples in question.
NR = Entire sample used: none to return.

Total # Cntr's Ret.: NR

Released To: [signature] (Sig) Released By [signature] (Sig) [date] 9:23 (Date/Time)
Returned By: ____ (Sig) Returned To : ____ (Sig) ____ (Date/Time)

EXTRACTABLE CHAIN OF CUSTODY

Client: Northeastern Oil Corp.
Task #: 7505
Sample Analysis Requested:
Protocol: ELAP CLP (RCRA) SPDES Other: ______ ~~Pest~~/(PCB's) ~~604/8040 610/8310~~ 310-13

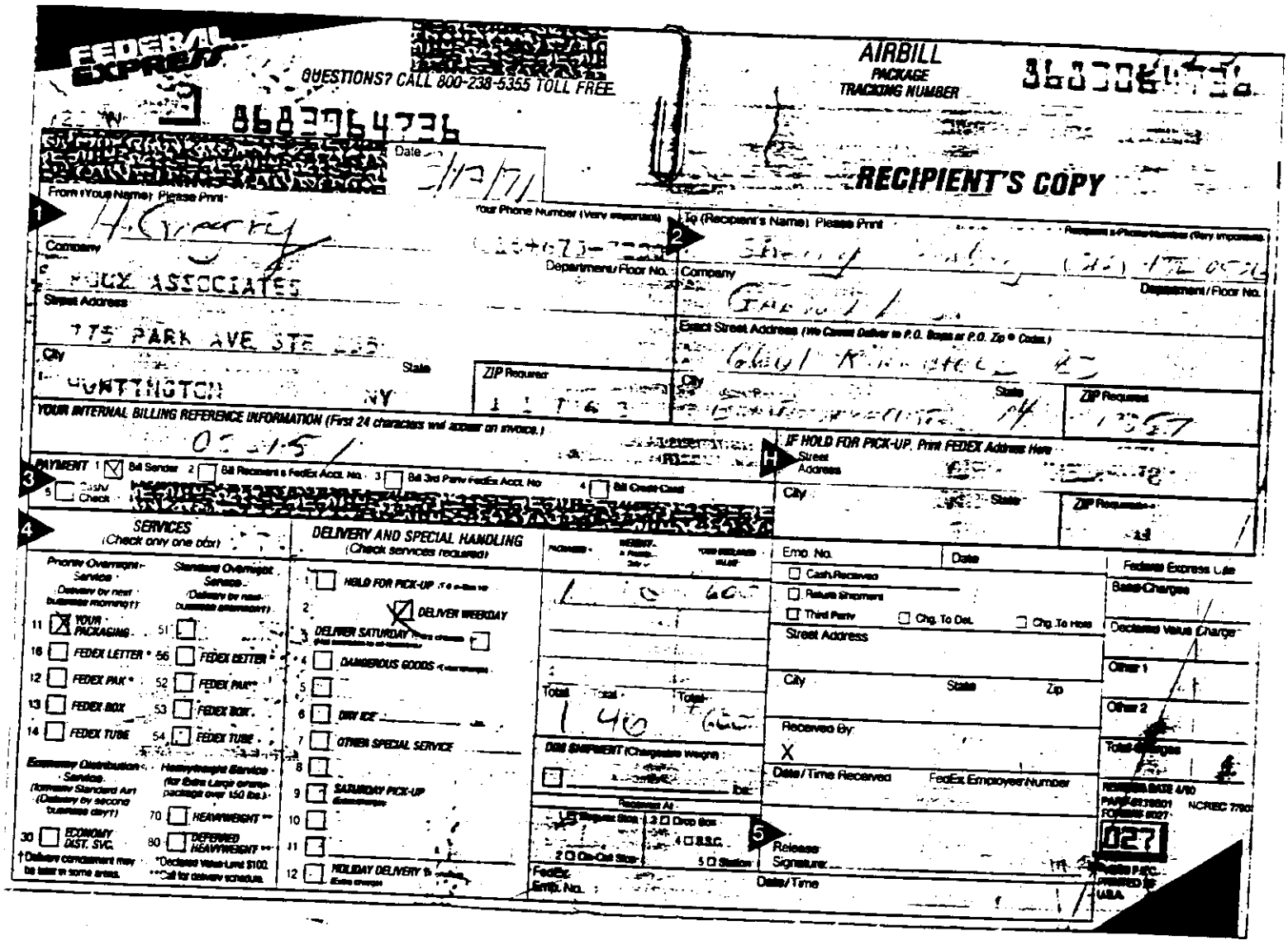
Relinquished by: [signature] Date/Time 3/19/92 / 2:45
Received by: [signature] Date/Time 3/19/92 / 2:45
Page # ____ of ____
Stored In Refrigerator # 6 ~~TCLP~~ Air Other: ______
QC Batch # 050551 GC

#1 - ALS vial
#2 - 8ml vial
#3 - 4ml vial

Sample Removal & Return Tracking

Galson Sample ID		Bo #	Date/Time Out	Removed By	Removed For	Date/Time In	Date/Time Out	Removed By	Removed For	Date/Time In	Date/Time Out	Removed By	Removed For	Date/Time In	Comments & Date of Disposal
7505-001	Straight to analysis (RM)	1													Disposed of 3/20/92 (RM)
002MS		1													
003MSD		1													
004		1													
BLANK		1													
BS		1													
CHK.STD		1													
7505-001	3C 1	3													
002MS		3													
003MSD	2	3													
004		3													
BLANK	3	3													
BS		3													
CHK.STD.		3													

*Reasons For Removal-- A:Analysis IS: Standardizing C:Combining D:Debulking & Reorganizing O:Other (Specify in Comments) 900606.0932


FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE

AIRBILL
PACKAGE TRACKING NUMBER

RECIPIENT'S COPY

Date

From (Your Name) Please Print

Your Phone Number (Very important)

Company

Department/Floor No.

Street Address

City State ZIP Required

To (Recipient's Name) Please Print

Company

Department/Floor No.

Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip + Codes)

City State ZIP Required

YOUR INTERNAL BILLING REFERENCE INFORMATION (First 24 characters will appear on invoice.)

PAYMENT 1 Bill Sender 2 Bill Recipient's FedEx Acct. No. 3 Bill 3rd Party FedEx Acct. No. 4 Bill Credit Card 5 Cash/Check

IF HOLD FOR PICK-UP, Print FEDEX Address Here

Street Address

City State ZIP Required

SERVICES (Check only one box)

Priority Overnight Service (Delivery by next business morning†)

11 YOUR PACKAGING

16 FEDEX LETTER *

12 FEDEX PAK *

13 FEDEX BOX

14 FEDEX TUBE

Standard Overnight Service (Delivery by next business afternoon†)

51

56 FEDEX LETTER

52 FEDEX PAK

53 FEDEX BOX

54 FEDEX TUBE

Economy Distribution Service (formerly Standard Air) (Delivery by second business day†)

30 ECONOMY DIST. SVC.

Heavyweight Service (for Extra Large or Heavy packages over 150 lbs.)

70 HEAVYWEIGHT

80 DEFERRED HEAVYWEIGHT

†Delivery commitment may be later in some areas.

*Declared Value Limit $100.

**Call for delivery schedule.

DELIVERY AND SPECIAL HANDLING (Check services required)

1 HOLD FOR PICK-UP

2 DELIVER WEEKDAY

3 DELIVER SATURDAY

4 DANGEROUS GOODS

5

6 DRY ICE

7 OTHER SPECIAL SERVICE

8

9 SATURDAY PICK-UP

10

11

12 HOLIDAY DELIVERY

WEIGHT

Total

DIM SHIPMENT (Chargeable Weight)

lbs.

Received At: 1 Regular Stop 3 Drop Box 4 B.S.C. 2 On-Call Stop 5 Station

FedEx Empl. No.

Emp. No. Date

Cash Received

Returned Shipment

Third Party Chg. To Del. Chg. To Hold

Street Address

City State Zip

Received By:

X

Date/Time Received FedEx Employee Number

5 Release Signature

Date/Time

FedEx Express Use

Base Charge

Declared Value Charge

Other 1

Other 2

Total Charges

027

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Task Number: 7505 Matrix: Soil Sediment (Water) Leachate

Customer Sample Code	Laboratory Sample Code	II CLP, Indicate year of protocol 1987 1989																
		GC VOA	MS VOA	MS BNA	MS BN	MS A	Pest PCB	LC PAH	CLP List#	TOX TOC	Phenol Total	Cr VI	CN Tot Fr	Fl Tot Sol	O&G	Metal List#	Wet List#
MW-25	7505-001						✓										
M/S	7505-002						✓										
M/S/D	7505-003						✓										
F.B.	7505-004						✓										
MBS	7505-005						✓										
QC check	7505-006						✓										

Metals List 1 - Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn

Dissolved Metals List 1 - Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn

Wet List 1 - Ammonia

Organic List 1

Organic List 2

Organic List 3

Organic List 4

Organic List 5

Organic List 6

008

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY - PCB/PESTICIDE

Sample ID	Matrix	Date Collected	Date Rec at Lab	Date Extracted	Date Analyzed
FIELD BK. 7505-004	WATER	17-MAR-92	18-MAR-92	19-MAR-92	19-MAR-92
MW-25 7505-001	WATER	17-MAR-92	18-MAR-92	19-MAR-92	19-MAR-92
MW-25 MS 7505-002	WATER	17-MAR-92	18-MAR-92	19-MAR-92	19-MAR-92
MW-25 MSD 7505-003	WATER	17-MAR-92	18-MAR-92	19-MAR-92	19-MAR-92

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY - PCB ORGANIC ANALYSIS

Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxilary Clean up	Dil/Conc Factor
FIELD BK. 7505-004	WATER	SW846 8080	SW846 3510	1→1 H_2SO_4	1
MW-25 7505-001	WATER	↓	↓	↓	1
MW-25 MS 7505-002	WATER				1
MW-25 MSD 7505-003	WATER				1

ORGANIC DATA REPORTING QUALIFIERS

The Organic data qualifiers used in this report are as follows:

Valve - If the result is a value greater than or equal to the detection limit, the value is reported.

U - Indicates the compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J - Indicates an estimated value. This flag is used to estimate a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data idicate identification criteria, but the result is less than the specified detection limit.

C - Applies to pesticide parameters when the identification has been confirmed by GC/MS.

B - Used when the analyte is found in the blank, as well a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - Identifies compounds whose concentrations exceed the calibration range of the instruments for specific analysis.

N - Compound not analyzed.

D - Identifies all compounds analyzed at a secondary dilution.

A - Indicates that a TIC is a suspected aldol-condensation product.

X - Any other specific flags and footnotes that may be required to properly define the results.

RE - Analysis performed on a re-extracted sample.

NC - Peak not confirmed.

GC/ECD

PCB

QUALITY CONTROL SUMMARY

PCB/PESTICIDE SURROGATE RECOVERY

Lab Name: Galson Laboratories

Lab Task Number: 3-7505

Instrument ID : HP7A

Level: (low/med) LOW

Matrix: WATER

	SAMPLE NO.	S1 #	OTHER
1	METHOD BLANK	95	
2	BLANK SPIKE	86	
3	CHECK SAMPLE	92	
4	FIELD BK.	93	
5	MW-25	93	
6	MW-25 MS	99	
7	MW-25 MSD	94	
8			
9			
10			
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12			
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28			
29			
30			

ADVISORY QC LIMITS (24-154)

S1 = Dibutylchlorendate

Column used to flag recovery values

* Values outside of QC limits

D Surrogates diluted out

FORM II PEST

1/87 Rev.

PCB/PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Galson Laboratories

Lab Task Number: 3-7505

Sample: MW-25

Matrix: WATER

Date Extracted: Mar 19, 1992

Date Analyzed : Mar 19, 1992 17:29

Lab Sample ID: 7505-001

QC Batch: Q5-0554

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #
Aroclor-1248	2.6	0.	3.0	115.

COMPOUND	SPIKE ADDED (ug/L)	MSD CONC. (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
Aroclor-1248	2.6	2.9	112.	3.4	50	46-161

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

* Values outside of QC limits.

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

_____

FORM III

1/87 Rev.

PCB/PESTICIDE BLANK SPIKE RECOVERY

Lab Name: Galson Laboratories

Lab Task Number: 3-7505

Sample: METHOD BLANK

Matrix: WATER

Date Extracted: Mar 19, 1992

Date Analyzed : Mar 19, 1992 15:16

Lab Sample ID: Q5-0554

QC Batch: Q5-0554

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	BS CONCENTRATION (ug/L)	BS %-REC #
Aroclor-1248	2.5	0.	2.5	100.

COMPOUND	QC LIMITS
Aroclor-1248	75-125%

Column to be used to flag recovery values with an asterisk.

* Values outside of QC limits.

Spike Recovery: 0 out of 1 outside limits

COMMENTS: _____

_____

FORM III

1/87 Rev.

PCB/PESTICIDE CHECK SAMPLE RECOVERY

Lab Name: Galson Laboratories

Lab Task Number: 3-7505

Sample: METHOD BLANK

Matrix: WATER

Date Extracted: Mar 19, 1992

Date Analyzed : Mar 19, 1992 15:16

Lab Sample ID: Q5-0554

QC Batch: Q5-0554

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	CS CONCENTRATION (ug/L)	CS % REC #
Aroclor-1016	2.5	0.	2.2	88.

COMPOUND	QC LIMITS
Aroclor-1016	46-161%

Column to be used to flag recovery values with an asterisk.

* Values outside of QC limits.

Spike Recovery: 0 out of 1 outside limits

COMMENTS: _____

_____

PCB/PESTICIDE METHOD BLANK SUMMARY

Lab Name: GALSON LABORATORIES

Lab Sample ID : Q5-0554

Matrix : WATER

Date Extracted : 19-MAR-92

Date Analyzed (1): 19-MAR-92

Time Analyzed (1): 15:16

Instrument ID (1): HP7A

GC Column ID (1): DB-5 MEGABORE

GC Column ID (2): DB-608 Megabore

Lab Task #: 3-7505

Lab File ID: HP7A_031992CC012

Level: LOW

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed (2): 20-Mar-92

Time Analyzed (2): 02:26

Instrument ID (2): HP#10

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

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	BLANK SPIKE	Q5-0554BS	19-MAR-92	
2	CHECK SAMPLE	Q5-0554CS	19-MAR-92	
3	FIELD BK.	7505-004	19-MAR-92	
4	MW-25	7505-001	19-MAR-92	20-Mar-92
5	MW-25 MS	7505-002	19-MAR-92	
6	MW-25 MSD	7505-003	19-MAR-92	
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

GC/ECD

PCB

SAMPLE DATA

PCB/PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE No.

Practical Quantitation Limits

Lab Name: Galson Laboratories

Lab Task Number :

Matrix: (soil/water) WATER

Sample wt/vol: 1000 mL

Level : (low/med) LOW

% Moisture: 0

Extraction: (SepF/Cont/Sonc) SEPF

GPC Cleanup: (Y/N) N pH: 7

Lab Sample ID:

Lab File ID:

Date Received:

Date Extracted:

Date Analyzed:

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
11141-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U

PCB/PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE No.

FIELD BK.

Lab Name: Galson Laboratories

Lab Task Number : 3-7505

Matrix: (soil/water) WATER

Sample wt/vol: 900 mL

Level : (low/med) LOW

% Moisture: 0

Extraction: (SepF/Cont/Sonc) SEPF

GPC Cleanup: (Y/N) N pH: 7

Lab Sample ID: 7505-004

Lab File ID: HP7A_031992CC015

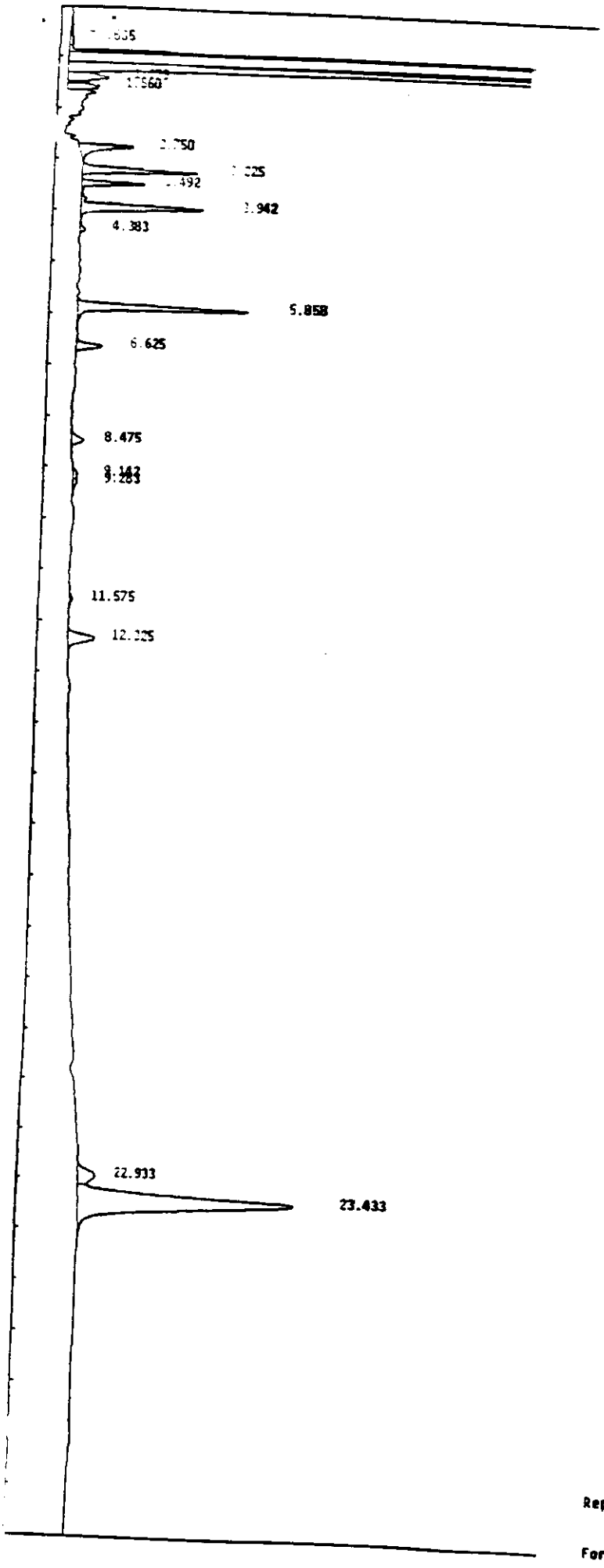
Date Received: Mar 18, 1992

Date Extracted:Mar 19, 1992

Date Analyzed: Mar 19, 1992 16:56

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
12674-11-2	Aroclor-1016	0.28	U
11104-28-2	Aroclor-1221	0.28	U
11141-16-5	Aroclor-1232	0.28	U
53469-21-9	Aroclor-1242	0.28	U
12672-29-6	Aroclor-1248	0.28	U
11097-69-1	Aroclor-1254	0.28	U
11096-82-5	Aroclor-1260	0.28	U



Result File : /HP7A/HP7A_031992CC015.RES

Page 1

Sample Name : 7505-004.1.1.

HP7A; 085; 150-0-20-190-0-3-250-8; 2uL INJ; ATTN 2^4

Peak Processor : Genie

Multilevel : False

Instrument : HP7A

Calculation : Zero

Quantitation: AreaUnits

Dilution : 100

Run Time : 30.02 Minutes

Injection time : Thu Mar 19, 1992 4:56:29 pm

Run Status : RunStatusOK

SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.63	3442		.19960	
2	.87	88489		5.13068	
3	.98	759127		44.01473	
4	1.16	204098		11.83373	
5	1.38	15460		.89637	
6	1.56	8591		.49811	
7	2.75	16463		0.00000	
8	3.22	28125		0.00000	
9	3.49	12376		0.00000	
10	3.94	36719		0.00000	
11	4.38	1644		0.00000	
12	5.86	49573		0.00000	
13	6.63	7888		0.00000	
14	8.48	4867		0.00000	
15	9.14	2038		0.00000	
16	9.28	2213		0.00000	
17	11.58	1367		0.00000	
18	12.33	12960		0.00000	
19	22.93	12996		0.00000	
20	23.43	190375		0.00000	DBC (SURR)
Totals:		0		0.00000	ug/mL

Report Time: Thu Mar 19, 1992 6:47:09 pm

Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT

PCB/PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE No.

MW-25

Lab Name: Galson Laboratories

Lab Task Number : 3-7505

Matrix: (soil/water) WATER

Sample wt/vol: 960 mL

Level : (low/med) LOW

% Moisture: 0

Extraction: (SepF/Cont/Sonc) SEPF

GPC Cleanup: (Y/N) N pH: 7

Lab Sample ID: 7505-001

Lab File ID: HP7A_031992CC016

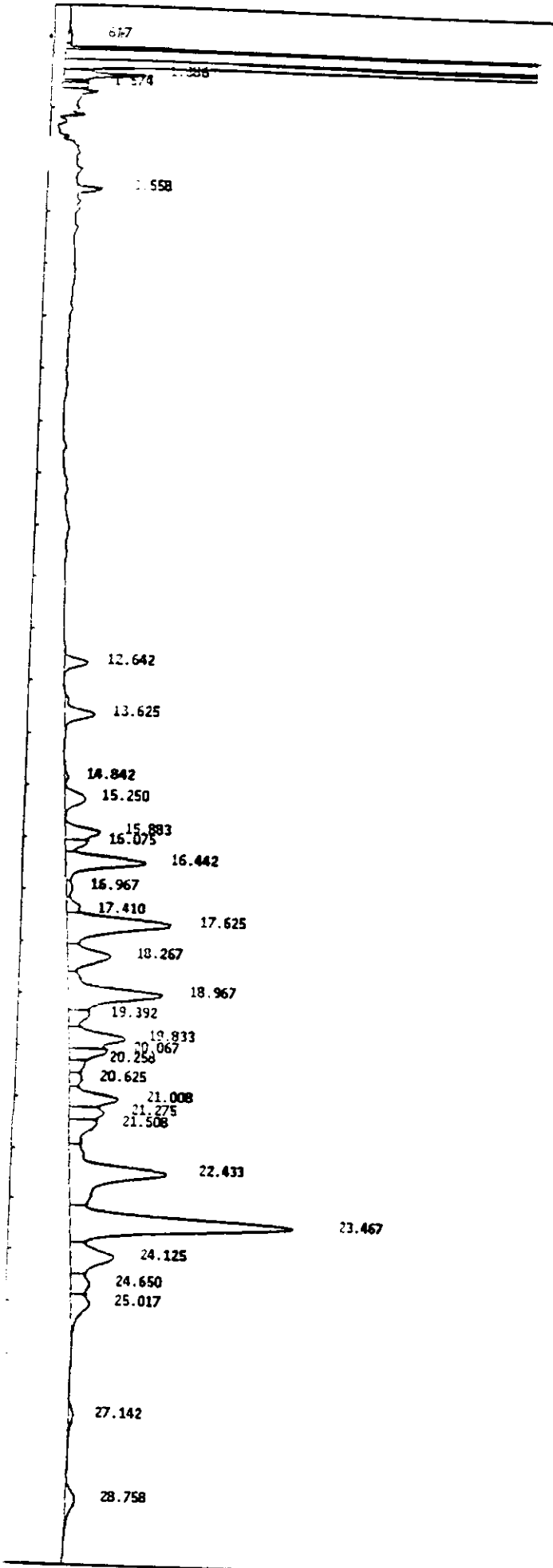
Date Received: Mar 18, 1992

Date Extracted:Mar 19, 1992

Date Analyzed: Mar 19, 1992 17:29

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
12674-11-2	Aroclor-1016	0.26	U
11104-28-2	Aroclor-1221	0.26	U
11141-16-5	Aroclor-1232	0.26	U
53469-21-9	Aroclor-1242	0.26	U
12672-29-6	Aroclor-1248	0.26	U
11097-69-1	Aroclor-1254	0.26	U
11096-82-5	Aroclor-1260	0.77	



Result File : .HP7A/HP7A_031992CC016.RES

Sample Name 7505-001.1.1.

HP7A; DB5: 150-0-20-190-0-3-250-8; 2uL INJ; ATTN 2^4

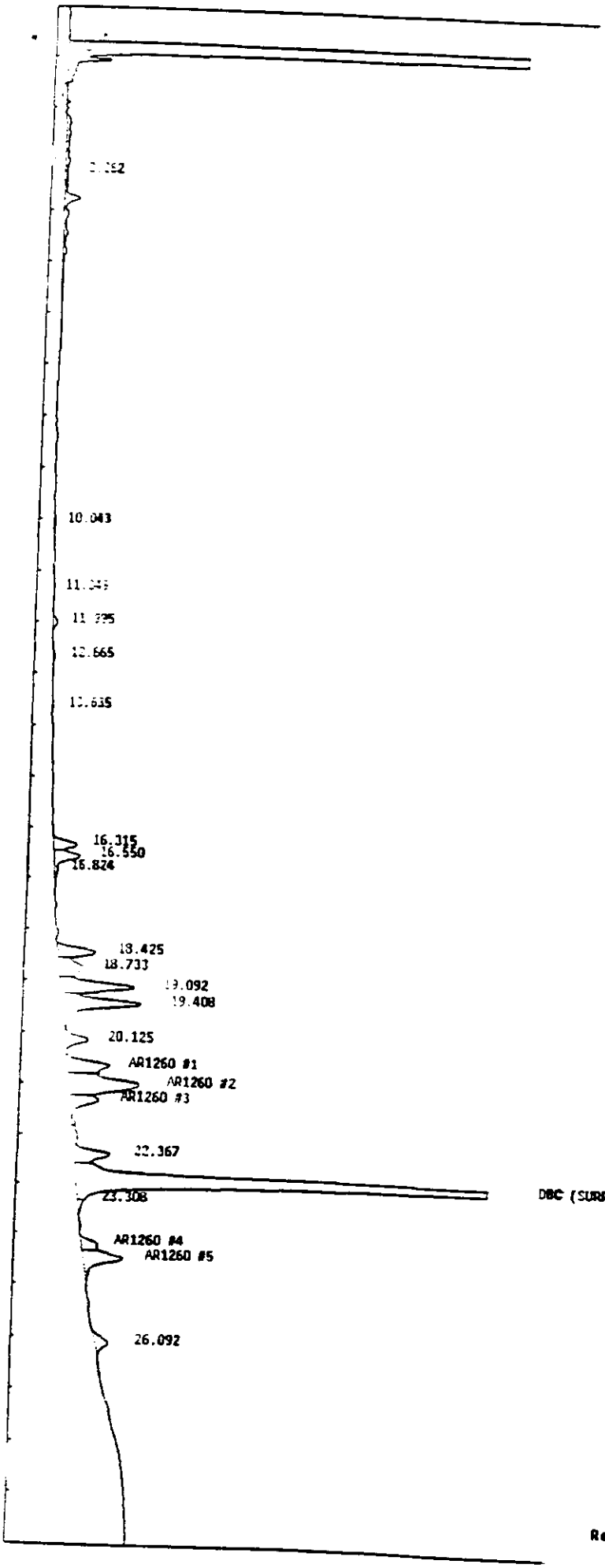
Peak Processor : Genie
Instrument : HP7A
Calculation : Zero
Dilution : 100
Run Time : 30.00 Minutes
Injection time : Thu Mar 19, 1992 5:29:54 pm
Run Status : RunStatusOK
EndOffBaseline
SpecialInteg

Multilevel : False

Quantitation: AreaUnits

Pk #	RT	Area	Group.	ug/mL	Name
1	.62	3447		.15695	
2	.87	93964		4.27807	
3	.98	792907		36.10023	
4	1.16	200538		9.13026	
5	1.39	21697		.98785	
6	1.57	6018		.27398	
7	3.56	5626		0.00000	
8	12.64	11005		0.00000	
9	13.63	18437		0.00000	
10	14.84	2133		0.00000	
11	15.25	15712		0.00000	
12	15.88	20171		0.00000	
13	16.08	10362		0.00000	
14	16.44	51038		0.00000	AR1260 #1
15	16.97	4567		0.00000	
16	17.41	7674		0.00000	
17	17.63	85835		0.00000	AR1260 #2
18	18.27	36569		0.00000	AR1260 #3
19	18.97	79467		0.00000	AR1260 #4
20	19.39	15214		0.00000	
21	19.83	41547		0.00000	
22	20.07	20530		0.00000	
23	20.26	8900		0.00000	
24	20.63	9020		0.00000	
25	21.01	34122		0.00000	AR1260 #5
26	21.28	18896		0.00000	AR1260 #6
27	21.51	25433		0.00000	AR1260 #7
28	22.43	114215		0.00000	
29	23.47	191785		0.00000	DBC (SURR)
30	24.13	45146		0.00000	
31	24.65	16688		0.00000	
32	25.02	20262		0.00000	
33	27.14	4059		0.00000	
34	28.76	11326		0.00000	
Totals:		0		0.00000	ug/mL

Report Time: Thu Mar 19, 1992 7:00:27 pm
Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH
Format File: /DATA/LOOP/FORMAT/SIDE.FMT



Result File : /HP#10/HP10_031992CC009.RES

Sample Name : 7505-001.1.1.

DB-608 MEGABORE: 150-2-5-280-3: 2uL INJ.

Peak Processor : Genie

Instrument : HP#10

Calculation : ExternalSTD

Dilution : 100

Run Time : 30.00 Minutes

Injection time : Fri Mar 20, 1992 3:00:51 am

Run Status : RunStatusOK
EndOffBaseline
NoReference
SpecialInteg

Multilevel : False

Quantitation: AreaUnits

Pk #	RT	Area	Group	% AREA	Name
1	3.26	1570742		.09667	
2	10.04	2394		.00015	
3	11.35	2433		.00015	
4	11.99	5285		.00033	
5	12.67	2249		.00014	
6	13.64	2016		.00012	
7	16.32	22589		.00139	
8	16.55	28748		.00177	
9	16.82	5131		.00032	
10	18.42	36178		0.00000	
11	18.73	39856		0.00000	
12	19.09	80931		0.00000	
13	19.41	104477		0.00000	
14	20.13	26107		0.00000	
15	20.61	59261		0.00000	AR1260 #1
16	20.97	125468		0.00000	AR1260 #2
17	21.30	40845		0.00000	AR1260 #3
18	22.37	53709		0.00000	
19	22.89	665941		0.00000	DBC (SURR)
20	23.31	8040		0.00000	
21	24.17	20234		0.00000	AR1260 #4
22	24.47	54350		0.00000	AR1260 #5
23	26.09	17914		0.00000	
Totals:		0		0.00000	% AREA

Report Time: Fri Mar 20, 1992 9:06:27 am

Method: /DATA/LOOP/METHOD/HP10_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT

GC/ECD

PCB

STANDARD DATA

8D

PCB EVALUATION STANDARDS SUMMARY

Lab Name: GALSON LABORATORIES

Lab Task Number: 7505

Instrument ID: HP7A

Dates of Analyses: 03/19/92

Lab QC Batch ID: QS-0554

GC Column ID: DB5 Megabore

Evaluation Check for Linearity

COMPOUND	CALIBRATION FACTOR EVAL MIX A	CALIBRATION FACTOR EVAL MIX B	CALIBRATION FACTOR EVAL MIX C	%RSD (</= 10.0%)
AR1248	1010528	901760	855210	8.6
DBC	907600	836468	817106	5.6

Concentrations of Evaluation Standards:

(in ug/ml)	EVAL A	EVAL B	EVAL C
AR1248	0.20	0.50	1.00
DBC	0.05	0.125	0.25

(1) If > 10.0% RSD, plot a standard curve and determine the ng for each sample in that set from the curve.

(2) Since column breakdown does not occur in PCB analysis, it is not necessary to calculate the percent breakdown for Endrin nor 4.4'-DDT.

8D

PCB EVALUATION STANDARDS SUMMARY

Lab Name: GALSON LABORATORIES

Lab Task Number: 7505

Instrument ID: HP#10

Dates of Analyses: 3/19/92-3/20/92

Lab QC Batch ID: PS-0554

GC Column ID: DB-608 Megabore

Evaluation Check for Linearity

COMPOUND	CALIBRATION FACTOR EVAL MIX A	CALIBRATION FACTOR EVAL MIX B	CALIBRATION FACTOR EVAL MIX C	%RSD (</= 10.0%)
AR1248	147970	137301	1145586	13
DBC	248510	283380	2921504	8.4

Concentrations of Evaluation Standards:

(in ug/ml)	EVAL A	EVAL B	EVAL C
AR1248	0.20	0.50	1.00
DBC	0.05	0.125	0.25

(1) If > 10.0% RSD, plot a standard curve and determine the ng for each sample in that set from the curve.

(2) Since column breakdown does not occur in PCB analysis, it is not necessary to calculate the percent breakdown for Endrin nor 4,4'-DDT.

PCB/PESTICIDE EVALUATION STANDARDS SUMMARY
Evaluation of Retention Time Shift for Dibutylchlorendate

Lab Name: GALSON LABORATORIES

SDG No. : 3-7505

Instrument ID : HP7A GC Column ID: DB-5 MEGABORE

Dates of Analyses: 03/19/92 to 03/19/92

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
1	HEXANE	HEXANE	03/19/92	09:09	0.0	
2	EVAL A	EVAL A	03/19/92	09:42	0.04	
3	EVAL B	EVAL B	03/19/92	10:15	0.13	
4	EVAL C	EVAL C	03/19/92	10:49	0.08	
5	AR1016	AR1016	03/19/92	11:22	0.04	
6	AR1221	AR1221	03/19/92	11:56	0.0	
7	AR1232	AR1232	03/19/92	12:29	0.08	
8	AR1242	AR1242	03/19/92	13:02	0.13	
9	AR1248	AR1248	03/19/92	13:36	0.04	
10	AR1254	AR1254	03/19/92	14:09	0.04	
11	AR1260	AR1260	03/19/92	14:42	0.04	
12	METHOD BLANK	Q5-0554	03/19/92	15:16	0.04	
13	BLANK SPIKE	Q5-0554BS	03/19/92	15:49	0.08	
14	CHECK SAMPLE	Q5-0554CS	03/19/92	16:23	0.13	
15	FIELD BK.	7505-004	03/19/92	16:56	0.13	
16	MW-25	7505-001	03/19/92	17:29	0.04	
17	AR1248	AR1248	03/19/92	18:03	0.08	
18	MW-25 MS	7505-002	03/19/92	18:36	0.0	
19	MW-25 MSD	7505-003	03/19/92	19:09	0.04	
20	AR1248	AR1248	03/19/92	19:43	0.0	
21	AR1260	AR1260	03/19/92	20:16	0.04	
22						
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38						

* Values outside of QC limits (2.0 % for packed columns, 0.3 % for capillary columns, 1.5 % for megabore columns)

C

PCB/PESTICIDE EVALUATION STANDARDS SUMMARY
Evaluation of Retention Time Shift for Dibutylchlorendate

Lab Name: GALSON LABORATORIES

SDG No. : 3-7505

Instrument ID : HP#10 GC Column ID: DB-608 MEGABORE

Dates of Analyses: 03/19/92 to 03/20/92

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
1	HEXANE	HEXANE	03/19/92	22:28	0.0	
2	EVAL A	EVAL A	03/19/92	23:02	0.0	
3	EVAL B	EVAL B	03/19/92	23:36	0.0	
4	EVAL C	EVAL C	03/20/92	00:10	0.0	
5	AR1248	AR1248	03/20/92	00:44	0.0	
6	AR1254	AR1254	03/20/92	01:18	0.04	
7	AR1260	AR1260	03/20/92	01:52	0.0	
8	METHOD BLANK	Q5-0554	03/20/92	02:26	0.04	
9	MW-25	7505-001	03/20/92	03:00	0.04	
10	AR1248	AR1248	03/20/92	03:34	0.08	
11	AR1260	AR1260	03/20/92	04:09	0.04	
12						
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* Values outside of QC limits (2.0 % for packed columns, 0.3 % for capillary columns, 1.5 % for megabore columns)

STANDARDS SUMMARY

Lab Name: GALSON LABORATORIES

SDG No.: 3-7505

Instrument ID: HP7A

GC Column ID: DB-5 MEGABORE

Continuing Standard: HP7A_031992CC017

DATE(S) OF ANALYSIS FROM: 03/19/92 TO: 03/19/92

TIME(S) OF ANALYSIS FROM: 09:42 TO: 20:16

DATE OF ANALYSIS: 03/19/92

TIME OF ANALYSIS: 18:03

STANDARD :AR1248

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
AR1016	8.83	8.73	8.93	281210			Y	
AR1221	6.18	6.08	6.28	86738				
AR1232	8.82	8.72	8.92	108732				
AR1242	8.81	8.71	8.91	202925				
AR1248	12.63	12.53	12.73	180073	12.61	184683		2.6
AR1254	18.98	18.88	19.08	229067				
AR1260	17.63	17.53	17.73	268003				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

STANDARDS SUMMARY

Lab Name: GALSON LABORATORIES

SDG No.: 3-7505

Instrument ID: HP7A

GC Column ID: DB-5 MEGABORE

Continuing Standard: HP7A_031992CC020

DATE(S) OF ANALYSIS FROM: 03/19/92 TO: 03/19/92
TIME(S) OF ANALYSIS FROM: 09:42 TO: 20:16

DATE OF ANALYSIS: 03/19/92
TIME OF ANALYSIS: 19:43

STANDARD :AR1248

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
AR1016	8.83	8.73	8.93	281210			Y	
AR1221	6.18	6.08	6.28	86738				
AR1232	8.82	8.72	8.92	108732				
AR1242	8.81	8.71	8.91	202925				
AR1248	12.63	12.53	12.73	180073	12.62	189872		5.4
AR1254	18.98	18.88	19.08	229067				
AR1260	17.63	17.53	17.73	268003				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

STANDARDS SUMMARY

Lab Name: GALSON LABORATORIES

SDG No.: 3-7505

Instrument ID: HP7A

GC Column ID: DB-5 MEGABORE

Continuing Standard: HP7A_031992CC021

DATE(S) OF ANALYSIS FROM: 03/19/92 TO: 03/19/92
TIME(S) OF ANALYSIS FROM: 09:42 TO: 20:16

DATE OF ANALYSIS: 03/19/92
TIME OF ANALYSIS: 20:16

STANDARD :AR1260

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
AR1016	8.83	8.73	8.93	281210			Y	
AR1221	6.18	6.08	6.28	86738				
AR1232	8.82	8.72	8.92	108732				
AR1242	8.81	8.71	8.91	202925				
AR1248	12.63	12.53	12.73	180073				
AR1254	18.98	18.88	19.08	229067				
AR1260	17.63	17.53	17.73	268003	17.62	274700		2.5

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

STANDARDS SUMMARY

Lab Name: GALSON LABORATORIES SDG No.: 3-7505

Instrument ID: HP#10 GC Column ID: DB-608 MEGABORE

Continuing Standard: HP10_031992CC010

DATE(S) OF ANALYSIS FROM: 03/19/92 TO: 03/20/92
TIME(S) OF ANALYSIS FROM: 23:02 TO: 04:09

DATE OF ANALYSIS: 03/20/92
TIME OF ANALYSIS: 03:34

STANDARD :AR1248

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
AR1248	14.83	14.73	14.93	237211	14.84	225018	N	5.1
AR1254	18.44	18.34	18.54	324058				
AR1260	20.98	20.88	21.08	434273				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

STANDARDS SUMMARY

Lab Name: GALSON LABORATORIES

SDG No.: 3-7505

Instrument ID: HP#10

GC Column ID: DB-608 MEGABORE

Continuing Standard: HP10_031992CC011

DATE(S) OF ANALYSIS FROM: 03/19/92 TO: 03/20/92
TIME(S) OF ANALYSIS FROM: 23:02 TO: 04:09

DATE OF ANALYSIS: 03/20/92
TIME OF ANALYSIS: 04:09

STANDARD :AR1260

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
AR1248	14.83	14.73	14.93	237211			N	
AR1254	18.44	18.34	18.54	324058				
AR1260	20.98	20.88	21.08	434273	21.00	432291	Y	0.46

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

10
PCB IDENTIFICATION

MW-25

Lab Name: GALSON LABORATORIES

Lab Task Number: 7505

GC Column ID: DB-5 Megabore

Instrument ID: HP7A

Lab File ID:

Lab Sample ID: 7505-001

GC Column ID: DB-608 Megabore

Instrument ID: HP #10

(only if confirmed by GC/MS)

PCB	RETENTION TIME	RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS (Y/N)
01 AR1260	Column 1 17.63	17.53	17.73	Y	N
02	Column 2 20.77	20.58	21.08	N	N
03	Column 1				
04	Column 2				
05	Column 1				
06	Column 2				
07	Column 1				
08	Column 2				
09	Column 1				
10	Column 2				
11	Column 1				
12	Column 2				

Comments:

GAS CHROMATOGRAPH PARAMETERS

ANALYSIS: SW846 8080

GC ID: HP7A

COLUMN PACKING: DB5 Megabore

COLUMN DIMENSIONS: 30m x 0.547mm

OVEN TEMPERATURE: 150-0-20-190-0-3-250-8

INJECTION TEMPERATURE: 220

DETECTOR: ECD

DETECTOR TEMPERATURE: 300

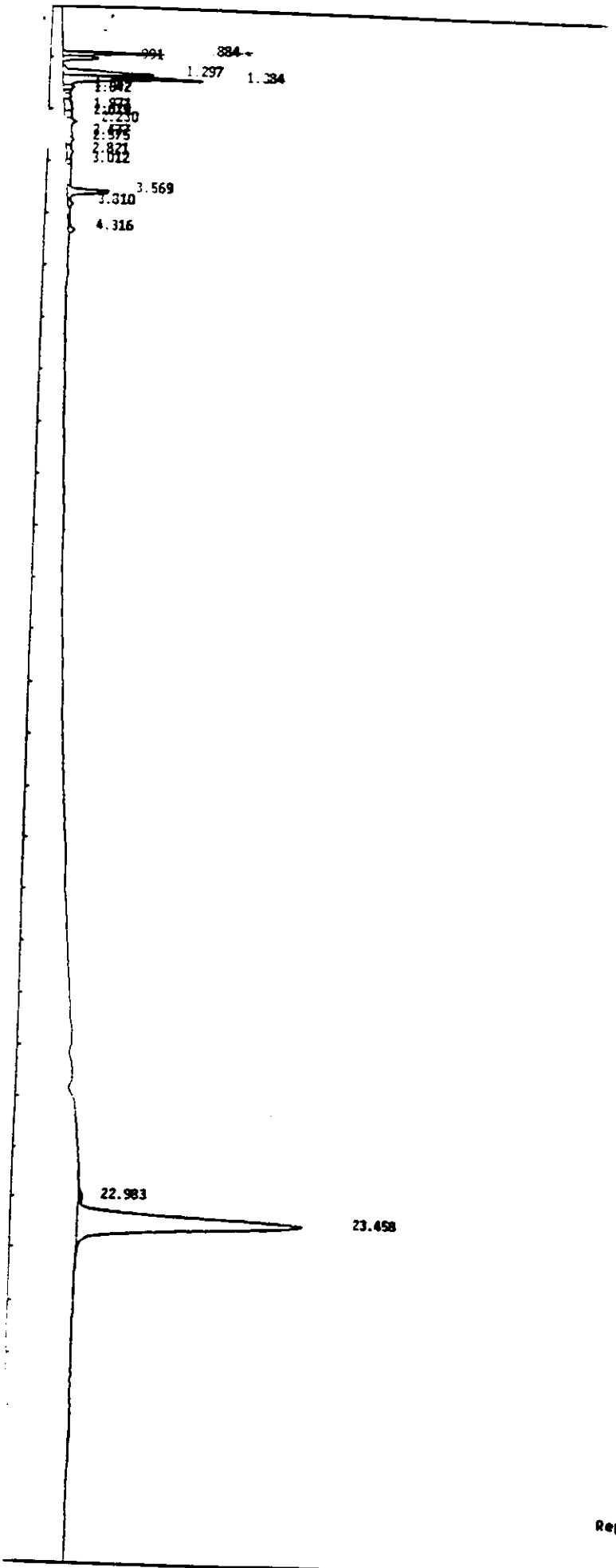
CARRIER GAS: N_2

FLOW (COLUMN/MAKE-UP): 7.0 cc/min / Total 60.0 cc/min

INSTRUMENT ATTENUATION: 2^4

INJECTION VOLUME: 2ul

OPERATOR: JLM



Result File : /HP7A/HP7A_031992CC001.RES

Sample Name : HEXANE.1.1.

HP7A; DB5; 150-0-20-190-8-3-250-8; 2uL INJ; ATTN 2^4

Peak Processor : Genie Multilevel : False

Instrument : HP7A

Calculation : Zero Quantitation: AreaUnits

Dilution : 100

Run Time : 30.02 Minutes

Injection time : Thu Mar 19, 1992 9:09:03 am

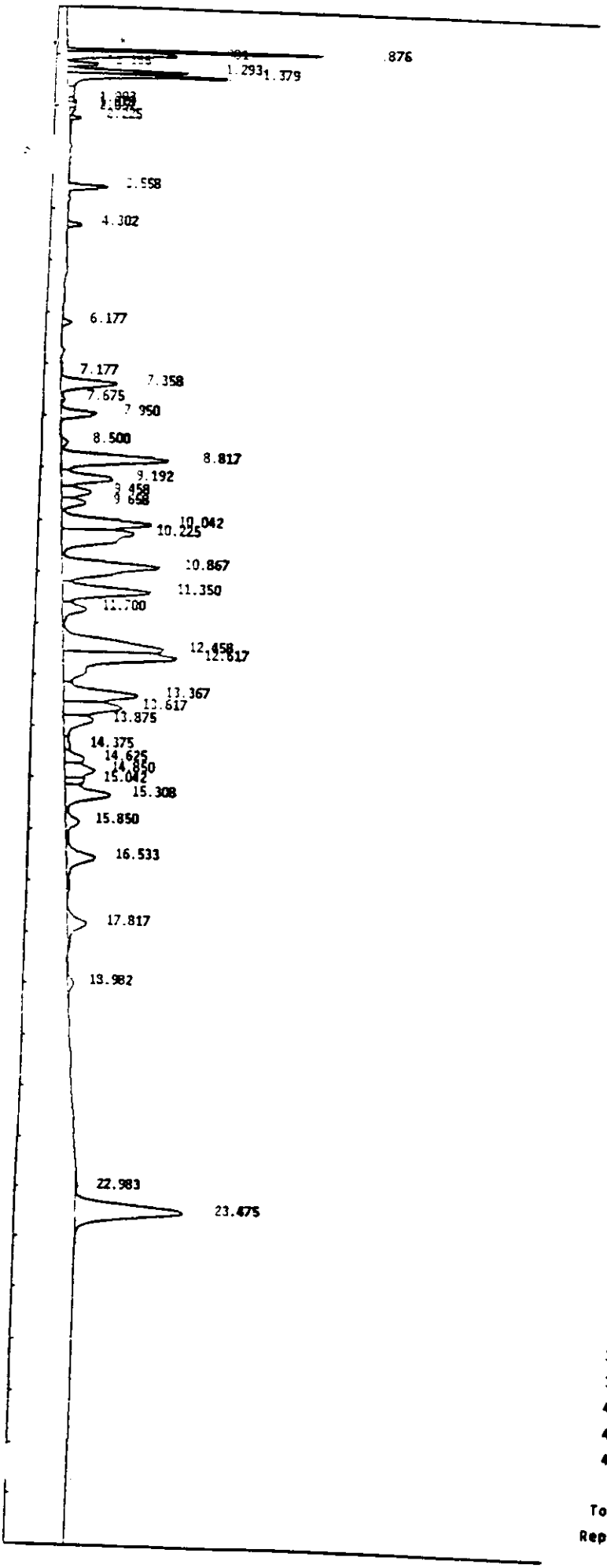
Run Status : RunStatusOK
EndOffBaseline
SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.88	13606		3.36653	
2	.99	6584		1.62906	
3	1.30	20322		5.02825	
4	1.38	26100		6.45788	
5	1.57	2166		.53583	
6	1.64	1427		.35297	
7	1.97	4202		1.03979	
8	2.07	3087		.76389	
9	2.23	4498		1.11296	
10	2.48	2829		.69994	
11	2.57	2533		.62670	
12	2.82	4068		1.00453	
13	3.01	1276		.31579	
14	3.57	10315		2.55216	
15	3.81	1838		.45478	
16	4.32	2593		.64164	
17	22.98	2746		0.00000	
18	23.46	181325		0.00000	DBC (SURR)
Totals:		0		0.00000	ug/mL

Report Time: Thu Mar 19, 1992 11:27:51 am

Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT



Result File : HP7A/HP7A_031992CC002.RES

Page 1

Sample Name : EVAL A.STD 1.1.PCB 647

HP7A: DB5: 150-0-20-190-0-3-250-8: 2uL INJ: ATTN 2^4

Peak Processor : Genie Multilevel : False

Instrument : HP7A

Calculation : Zero Quantitation: AreaUnits

Dilution : 100

Run Time : 30.00 Minutes

Injection time : Thu Mar 19, 1992 9:42:28 am

Run Status : RunStatusOK

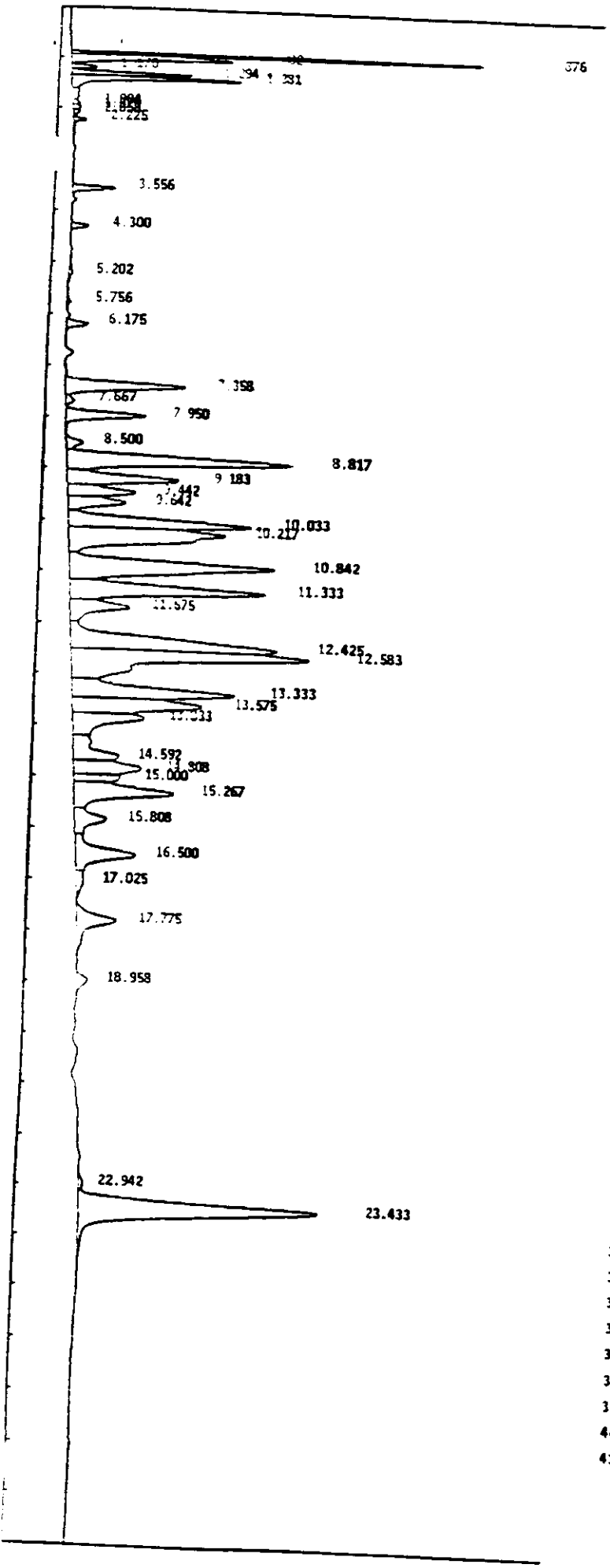
SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.88	27512		2.60251	
2	.98	34414		3.25539	
3	1.17	5405		.51131	
4	1.29	21936		2.07506	
5	1.38	35475		3.35578	
6	1.90	1880		.17786	
7	1.98	1378		.13035	
8	2.06	1876		.17748	
9	2.23	2374		.22453	
10	3.56	8354		.79022	
11	4.30	3589		.33951	
12	6.18	2694		.25483	
13	7.18	412		0.00000	
14	7.36	24890		0.00000	
15	7.68	1316		0.00000	
16	7.95	13074		0.00000	
17	8.50	2931		0.00000	
18	8.82	55318		0.00000	AR1248 #1 *
19	9.19	23392		0.00000	
20	9.46	14107		0.00000	
21	9.66	10735		0.00000	
22	10.04	46612		0.00000	AR1248 #2 *
23	10.23	54721		0.00000	AR1248 #3 *
24	10.87	65756		0.00000	
25	11.35	49921		0.00000	
26	11.70	13840		0.00000	
27	12.46	65341		0.00000	AR1248 #4 *
28	12.62	83093		0.00000	AR1248 #5 *
29	13.37	44669		0.00000	AR1248 #6 *
30	13.62	35294		0.00000	AR1248 #7 *
31	13.88	19263		0.00000	AR1248 #8 *
32	14.38	3904		0.00000	
33	14.63	10093		0.00000	
34	14.85	18127		0.00000	
35	15.04	7082		0.00000	
36	15.31	30314		0.00000	
37	15.85	9094		0.00000	
38	16.53	24087		0.00000	
39	17.82	15456		0.00000	
40	18.98	5261		.49769	
41	22.98	770		0.00000	
42	23.47	90760		0.00000	DBC (SURR) *
Totals:		0		0.00000	ug/mL

Report Time: Thu Mar 19, 1992 12:03:08 pm

Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT



Result File : /HP7A/HP7A_031992CC003.RES
Sample Name : EVAL 8,STD 2.1,PCB 648
HP7A: DB5: 150-0-20-190-0-3-250-8: 2uL INJ: ATTN 2^4
Peak Processor : Genie
Instrument : HP7A
Calculation : Zero
Dilution : 100
Run Time : 30.00 Minutes
Injection time : Thu Mar 19, 1992 10:15:49 am
Run Status : RunStatusOK
EndOffBaseline
SpecialInteg

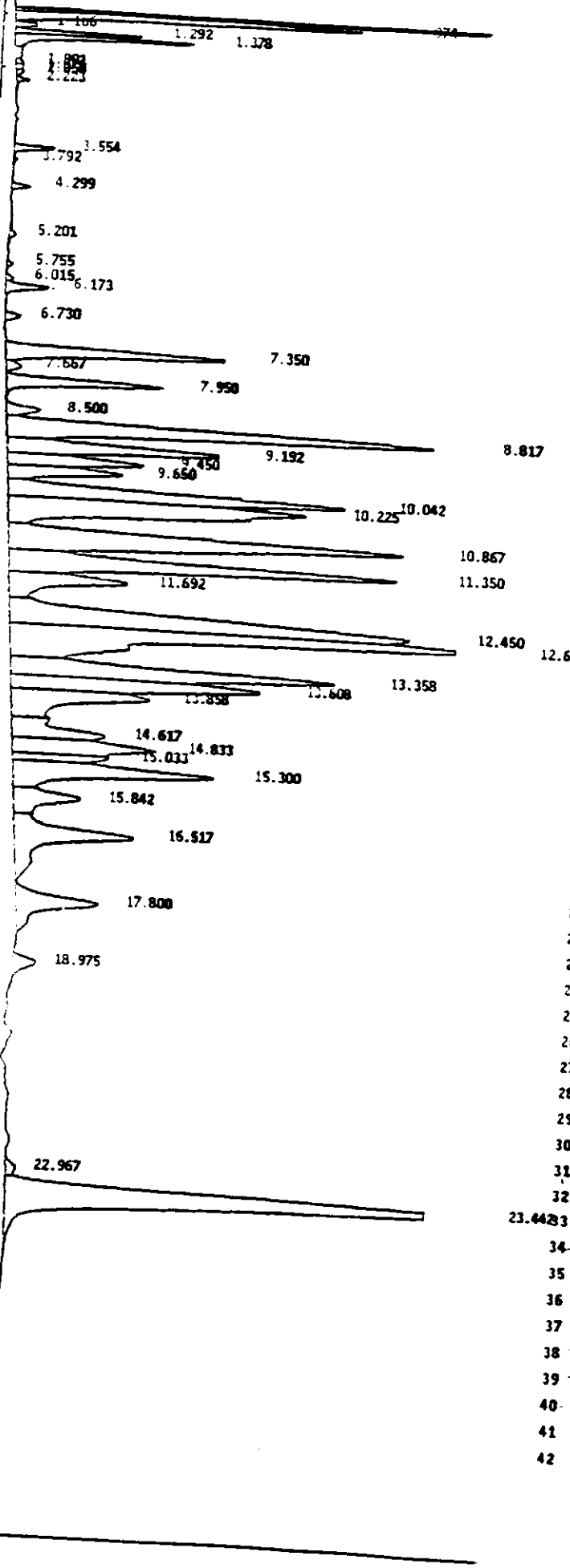
Page 1
Multilevel : False
Quantitation: AreaUnits

Pk #	RT	Area	Group	ug/mL	Name
1	.88	43226		1.84344	
2	.98	46045		1.96363	
3	1.17	4333		.18480	
4	1.29	22251		.94893	
5	1.38	36657		1.56330	
6	1.90	1814		.07735	
7	1.98	1420		.06054	
8	2.06	1929		.08227	
9	2.22	2365		.10086	
10	3.56	9313		.39718	
11	4.30	4104		.17502	
12	5.20	1771		.07553	
13	5.76	1287		.05489	
14	6.17	6901		.29429	
15	7.36	54795		0.00000	
16	7.67	3121		0.00000	
17	7.95	29996		0.00000	
18	8.50	7304		0.00000	
19	8.82	118620		0.00000	AR1248 #1 *
20	9.18	52701		0.00000	
21	9.44	33123		0.00000	
22	9.64	27473		0.00000	
23	10.03	88678		0.00000	AR1248 #2 *
24	10.22	128756		0.00000	AR1248 #3 *
25	10.84	147927		0.00000	
26	11.33	114341		0.00000	
27	11.67	37566		0.00000	
28	12.42	138522		0.00000	AR1248 #4 *
29	12.58	189092		0.00000	AR1248 #5 *
30	13.33	101077		0.00000	AR1248 #6 *
31	13.58	86150		0.00000	AR1248 #7 *
32	13.83	50865		0.00000	AR1248 #8 *
33	14.59	37228		0.00000	
34	14.81	42006		0.00000	
35	15.00	20859		0.00000	
36	15.27	71819		0.00000	
37	15.81	26188		0.00000	
38	16.50	50123		0.00000	
39	17.03	8370		0.00000	
40	17.78	34390		0.00000	
41	18.96	7252		0.00000	

HP7A-C39926C003
Eval B, STD 2,1, PCB 648

		Area	Group	ug/mL	Name
42	22.94	2679		0.00000	
43	23.43	209117		0.00000	DBC (SURR) *
Totals:		0		0.00000	ug/mL

Report Time: Thu Mar 19, 1992 11:44:12 am
Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH
Format File: /DATA/LOOP/FORMAT/SIDE.FMT



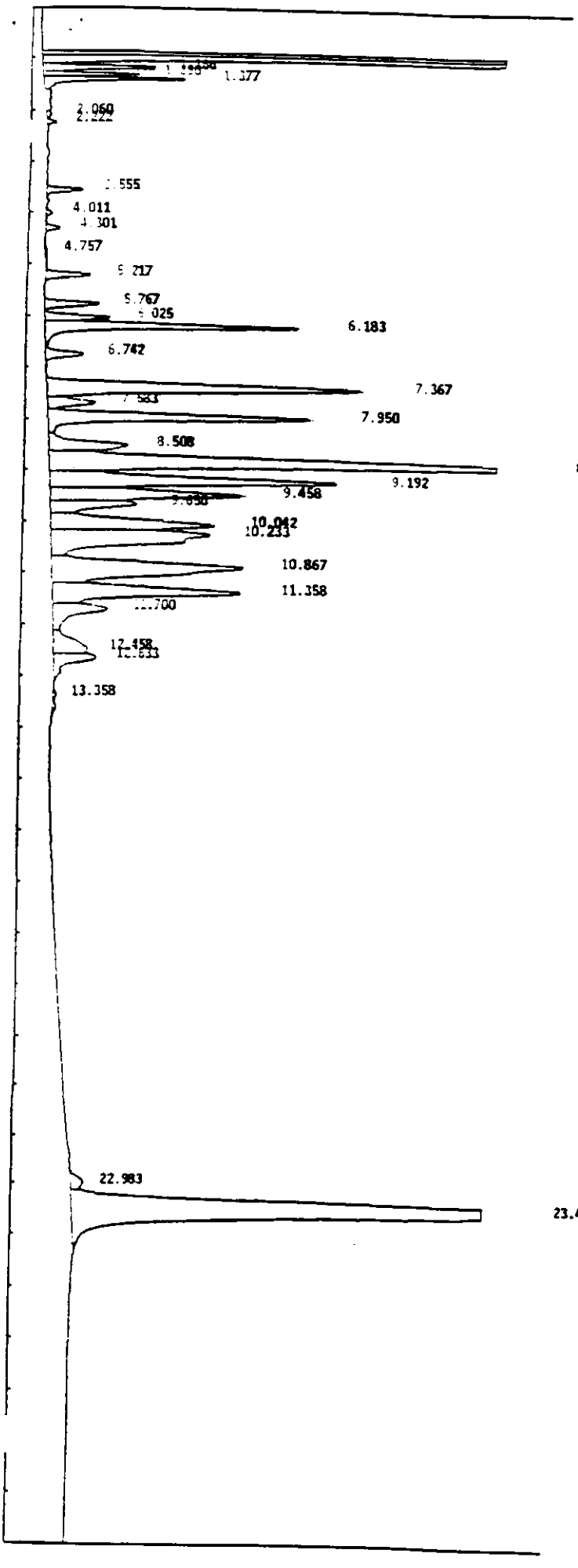
Result File : /HP7A/HP7A_031992CC004.RES
Page 1
Sample Name : EVAL C.STD 3.1,PCB 649
HP7A: DBS: 150-0-20-190-0-3-250-8; 2uL INJ; ATTN 2^4
Peak Processor : Genie
Multilevel : False
Instrument : HP7A
Calculation : Zero
Quantitation: AreaUnits
Dilution : 100
Run Time : 30.00 Minutes
Injection time : Thu Mar 19, 1992 10:49:13 am
Run Status : RunStatusOK
SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.87	106265		2.42802	
2	.97	88720		2.02714	
3	1.17	4196		.09583	
4	1.29	22220		.50771	
5	1.38	37722		.86189	
6	1.90	2046		.04674	
7	1.98	1349		.03083	
8	2.05	2242		.05122	
9	2.22	2647		.06049	
10	2.55	8803		.20113	
11	2.79	1044		.02386	
12	4.30	4115		.09403	
13	5.20	2346		.05360	
14	5.75	1579		.03608	
15	6.01	1691		.03863	
16	6.17	13340		.30481	
17	6.73	4570		.10442	
18	7.35	97690		0.00000	
19	7.67	6157		0.00000	
20	7.95	57904		0.00000	
21	8.50	14338		0.00000	
22	8.82	225991		0.00000	AR1248 #1 *
23	9.19	98620		0.00000	
24	9.45	65632		0.00000	
25	9.65	52847		0.00000	
26	10.04	163662		0.00000	AR1248 #2 *
27	10.23	239960		0.00000	AR1248 #3 *
28	10.87	278366		0.00000	
29	11.35	224834		0.00000	
30	11.69	77100		0.00000	
31	12.45	281859		0.00000	AR1248 #4 *
32	12.62	343523		0.00000	AR1248 #5 *
33	13.36	196782		0.00000	AR1248 #6 *
34	13.61	151632		0.00000	AR1248 #7 *
35	13.86	107011		0.00000	AR1248 #8 *
36	14.62	64047		0.00000	
37	14.83	92739		0.00000	
38	15.03	34105		0.00000	
39	15.30	138262		0.00000	
40	15.84	52342		0.00000	
41	16.52	117321		0.00000	
42	17.80	69053		0.00000	

HP7A_031992CC004
EvalC, STD 3.1, PCB649

Pk #	RT	Area	Group	ug/mL	Name
43	18.97	17272		0.00000	
44	22.97	6852		0.00000	
45	23.44	408853		0.00000	DBC (SURR) *
Totals:		0		0.00000	ug/mL

Report Time: Thu Mar 19, 1992 4:07:18 pm
Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH
Format File: /DATA/LOOP/FORMAT/SIDE.FMT



Result File : /HP7A/HP7A_031992CC005.RES Page 1

Sample Name : AR1016,STD 1.1,PCB 719

HP7A; DB5; 150-0-20-190-0-3-250-8; 2uL INJ; ATTN 2^4

Peak Processor : Genie Multilevel : false

Instrument : HP7A

Calculation : Zero Quantitation: AreaUnits

Dilution : 100

Run Time : 30.02 Minutes

Injection time : Thu Mar 19, 1992 11:22:36 am

Run Status : RunStatusOK

SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.87	255530		9.07122	
2	.98	187145		6.64359	
3	1.17	21308		.75642	
4	1.29	17445		.61930	
5	1.38	29702		1.05443	
6	2.06	1778		.06313	
7	2.22	2077		.07373	
8	3.56	7850		27868	
9	4.01	1292		.04586	
10	4.30	3299		11711	
11	4.76	1006		.03572	
12	5.22	11849		0.00000	
13	5.77	15753		0.00000	
14	6.02	18000		0.00000	
15	6.18	87566		0.00000	AR1016 #1
16	6.74	12477		0.00000	
17	7.37	156665		0.00000	AR1016 #2
18	7.68	19445		0.00000	
19	7.95	106224		0.00000	
20	8.51	41297		0.00000	
21	8.83	281210		0.00000	AR1016 #3
22	9.19	143363		0.00000	AR1016 #4
23	9.46	94012		0.00000	AR1016 #5
24	9.65	42605		0.00000	
25	10.04	92704		0.00000	AR1016 #6
26	10.23	135303		0.00000	AR1016 #7
27	10.87	154953		0.00000	
28	11.36	113752		0.00000	
29	11.70	37091		0.00000	
30	12.46	28976		0.00000	
31	12.63	25242		0.00000	
32	13.36	2973		0.00000	
33	22.98	8499		0.00000	
34	23.47	547406		0.00000	DBC (SURR) *
Totals:		0		0.00000	ug/mL

0.5 ug/mL

1.0 ng/inj

Σ 990823

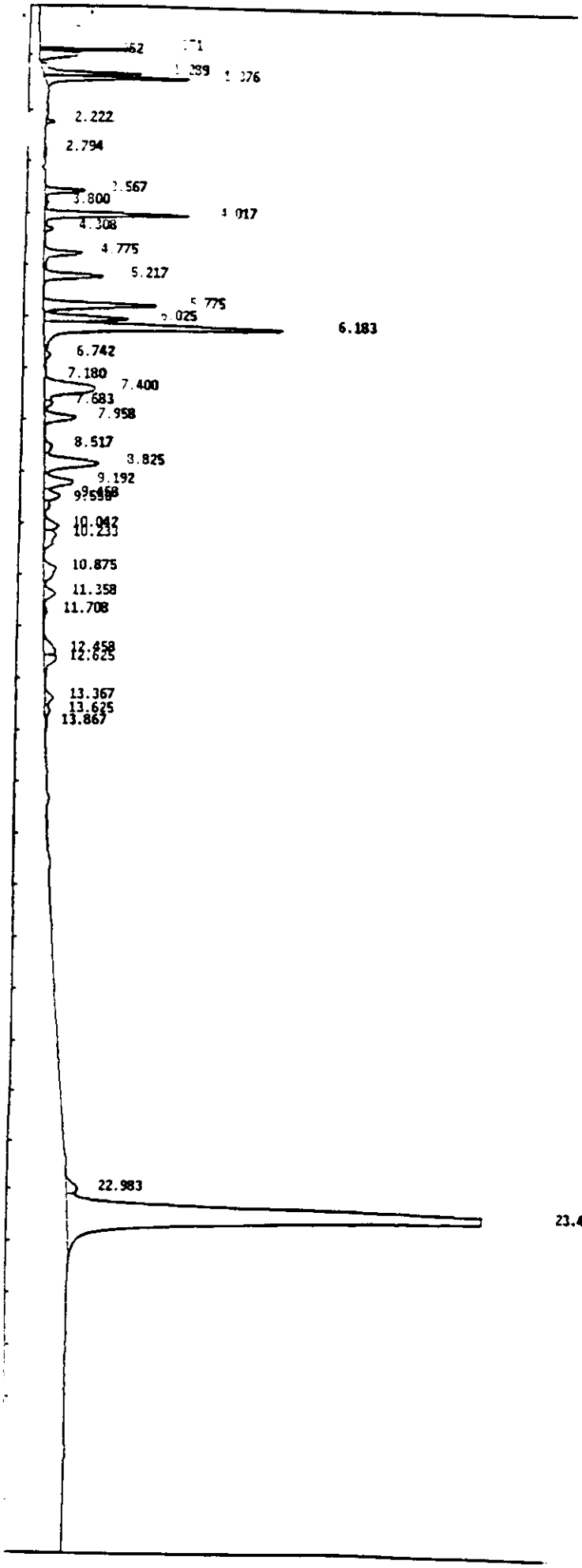
RF 990823

%D 15

Report Time: Thu Mar 19, 1992 1:58:42 pm

Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT



Result File : /HP7A/HP7A_031992CC006.RES Page 1

Sample Name : AR1221.STD 1.1.PCB 724

HP7A; DB5; 150-0-20-190-0-3-250-8; 2uL INJ; ATTN 2^4

Peak Processor : Genie Multilevel : False

Instrument : HP7A

Calculation : Zero Quantitation: AreaUnits

Dilution : 100

Run Time : 30.00 Minutes

Injection time : Thu Mar 19, 1992 11:56:03 am

Run Status : RunStatusOK

SpecialInteg

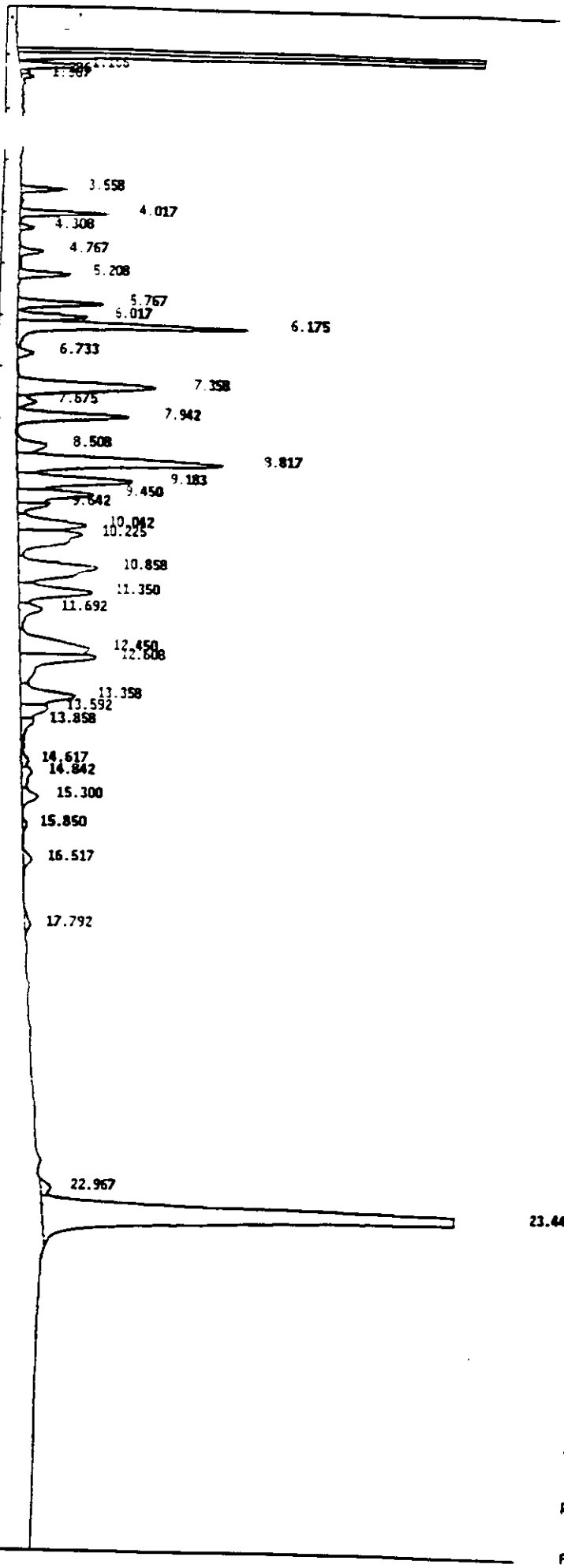
Pk #	RT	Area	Group	ug/mL	Name
1	.87	8230		.85026	
2	.95	13686		1.40566	
3	1.29	19371		2.00127	
4	1.38	26352		2.72246	
5	2.22	1202		.12419	
6	2.79	1309		.13524	
7	3.57	8372		0.00000	
8	3.80	991		0.00000	
9	4.02	31208		0.00000	AR1221 #1
10	4.31	2489		0.00000	
11	4.77	10978		0.00000	
12	5.22	16929		0.00000	
13	5.77	33973		0.00000	AR1221 #2
14	6.02	23664		0.00000	AR1221 #3
15	6.18	86738		0.00000	AR1221 #4
16	6.74	2365		0.00000	
17	7.18	535		0.00000	
18	7.48	32439		0.00000	AR1221 #5
19	7.68	2713		0.00000	
20	7.96	11303		0.00000	
21	8.52	3856		0.00000	
22	8.83	26665		0.00000	AR1221 #6
23	9.19	12451		0.00000	
24	9.46	7151		0.00000	
25	9.55	2910		0.00000	
26	10.04	6866		0.00000	
27	10.23	9280		0.00000	
28	10.88	9325		0.00000	
29	11.36	6279		0.00000	
30	11.71	1620		0.00000	
31	12.46	7464		0.00000	AR1221 #7
32	12.63	7971		0.00000	AR1221 #8
33	13.37	5081		0.00000	
34	13.63	2702		0.00000	
35	13.87	1097		0.00000	
36	22.98	6138		0.00000	
37	23.46	438683		0.00000	DBC (SURR) *
Totals:		0		0.00000	ug/mL

0.5 ug/mL
1.0 ng/mL
E250112
RF250112
9D8.9

Report Time: Thu Mar 19, 1992 2:35:41 pm

Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT



Result File : /HP7A/HP7A_031992CC007.RES Page 1

Sample Name : AR1232.STD 1.1.PCB 707

HP7A: DB5: 150-0-20-190-0-3-250-8; 2uL INJ; ATTN 2^4

Peak Processor : Genie Multilevel : False

Instrument : HP7A

Calculation : Zero Quantitation: AreaUnits

Dilution : 100

Run Time : 30.00 Minutes

Injection time : Thu Mar 19, 1992 12:29:25 pm

Run Status : RunStatusOK

EndOffBaseline

SpecialInteg

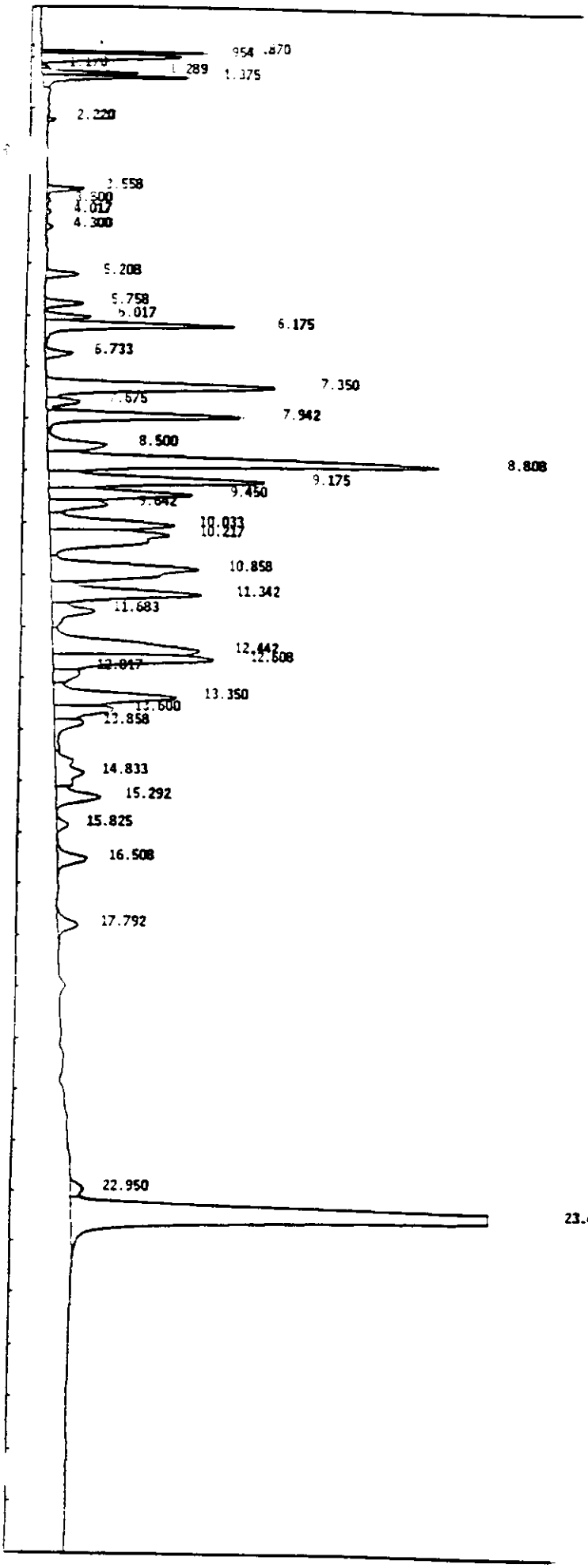
Pk #	RT	Area	Group	ug/mL	Name
1	.87	461954		21.53870	
2	.98	202680		9.45001	
3	1.17	8693		.40531	
4	1.29	1795		.08368	
5	1.37	2594		.12092	
6	3.56	9370		0.00000	
7	4.02	18534		0.00000	
8	4.31	3260		0.00000	
9	4.77	6696		0.00000	
10	5.21	13265		0.00000	
11	5.77	24324		0.00000	
12	6.02	19902		0.00000	
13	6.18	79937		0.00000	AR1232 #1
14	6.73	5354		0.00000	
15	7.36	71088		0.00000	
16	7.68	8032		0.00000	
17	7.94	41421		0.00000	
18	8.51	15811		0.00000	
19	8.82	108732		0.00000	AR1232 #2
20	9.18	53566		0.00000	AR1232 #3
21	9.45	36680		0.00000	AR1232 #4
22	9.64	10452		0.00000	
23	10.04	34134		0.00000	
24	10.23	48843		0.00000	
25	10.86	60403		0.00000	AR1232 #5
26	11.35	41792		0.00000	AR1232 #6
27	11.69	15004		0.00000	
28	12.45	49645		0.00000	AR1232 #7
29	12.61	48471		0.00000	AR1232 #8
30	13.36	33959		0.00000	
31	13.59	15730		0.00000	
32	13.86	9626		0.00000	
23.442 33	14.62	4171		0.00000	
34	14.84	7510		0.00000	
35	15.30	9101		0.00000	
36	15.85	2177		0.00000	
37	16.52	5181		0.00000	
38	17.79	4023		0.00000	
39	22.97	6271		0.00000	
40	23.44	451540		0.00000	DBC (SURR) *
Totals:		0		0.00000	ug/mL

0.5 ug/mL
1.0 ng/mg
Σ 479226
RF 479226
%D 4.2

Report Time: Thu Mar 19, 1992 2:13:02 pm

Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT



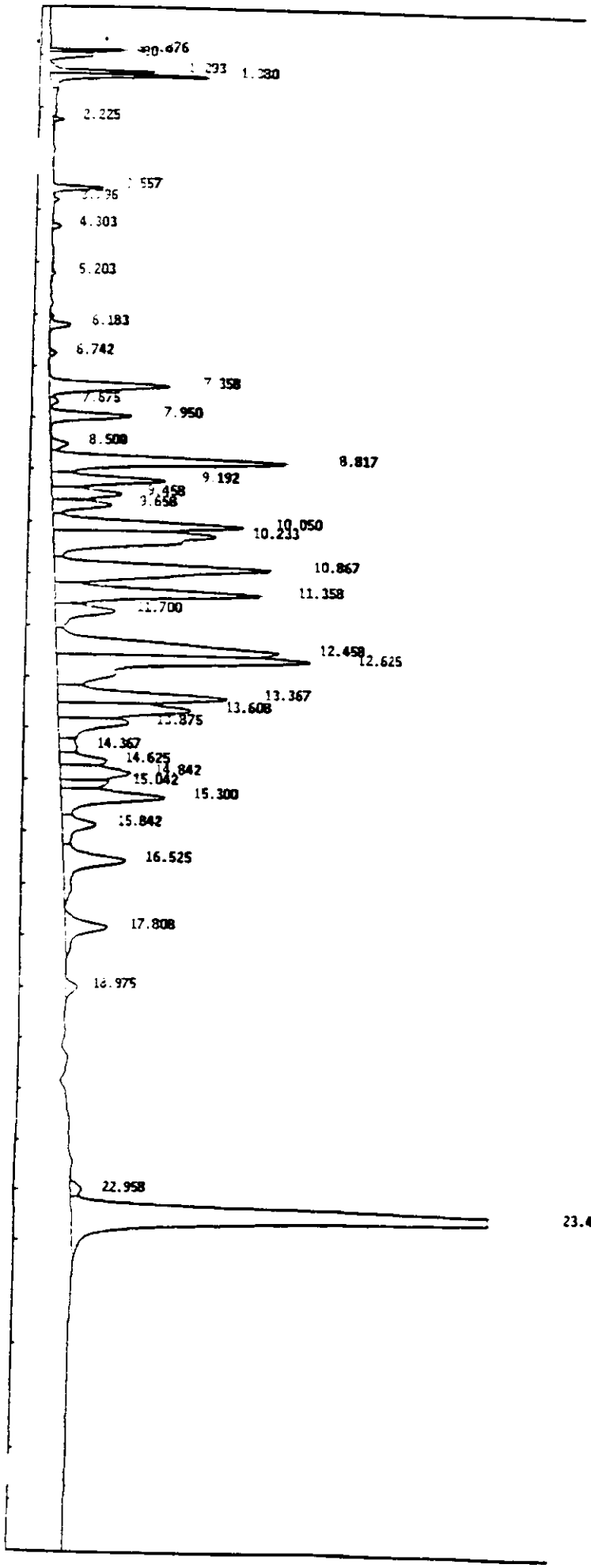
Result File : HP7A/HP7A_031992CC008.RES Page 1
Sample Name : AR1242.STD 1.1.PCB 715
HP7A; DB5: 150-0-20-190-0-3-250-8; 2uL INJ; ATTN 2^4
Peak Processor : Genie Multilevel : False
Instrument : HP7A
Calculation : Zero Quantitation: AreaUnits
Dilution : 100
Run Time : 30.00 Minutes
Injection time : Thu Mar 19, 1992 1:02:48 pm
Run Status : RunStatusOK
EndOffBaseline
SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.87	13241		.58739	
2	.95	45465		2.01649	
3	1.17	1101		.04886	
4	1.29	17341		.76929	
5	1.38	28506		1.26459	
6	2.22	1100		.04881	
7	3.56	7617		0.00000	
8	3.80	917		0.00000	
9	4.02	1181		0.00000	
10	4.30	1726		0.00000	
11	5.21	8559		0.00000	
12	5.76	10741		0.00000	
13	6.02	12045		0.00000	
14	6.18	61575		0.00000	
15	6.73	8448		0.00000	
16	7.35	112344		0.00000	AR1242 #1
17	7.68	12763		0.00000	
18	7.94	71561		0.00000	
19	8.50	30332		0.00000	
20	8.81	202925		0.00000	AR1242 #2
21	9.17	97399		0.00000	AR1242 #3
22	9.45	63732		0.00000	AR1242 #4
23	9.64	27677		0.00000	AR1242 #5
24	10.03	62283		0.00000	AR1242 #6
25	10.22	93051		0.00000	AR1242 #7
26	10.86	110617		0.00000	
27	11.34	82820		0.00000	
28	11.68	27661		0.00000	
29	12.44	100199		0.00000	
30	12.61	87789		0.00000	
31	12.82	16682		0.00000	
23.433 32	13.35	72706		0.00000	
33	13.60	33189		0.00000	
34	13.86	18962		0.00000	
35	14.83	31547		0.00000	
36	15.29	26749		0.00000	
37	15.83	5240		0.00000	
38	16.51	17609		0.00000	
39	17.79	13265		0.00000	
40	22.95	8096		0.00000	
41	23.43	494726		0.00000	DBC (SURR) *

Totals: 0 0.00000 ug/mL

Report Time: Thu Mar 19, 1992 2:18:49 pm
Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH
Format File: /DATA/LOOP/FORMAT/SIDE.FMT

0.5 ug/mL
1.0 mg/mL
E659411
RF659411
%D 15



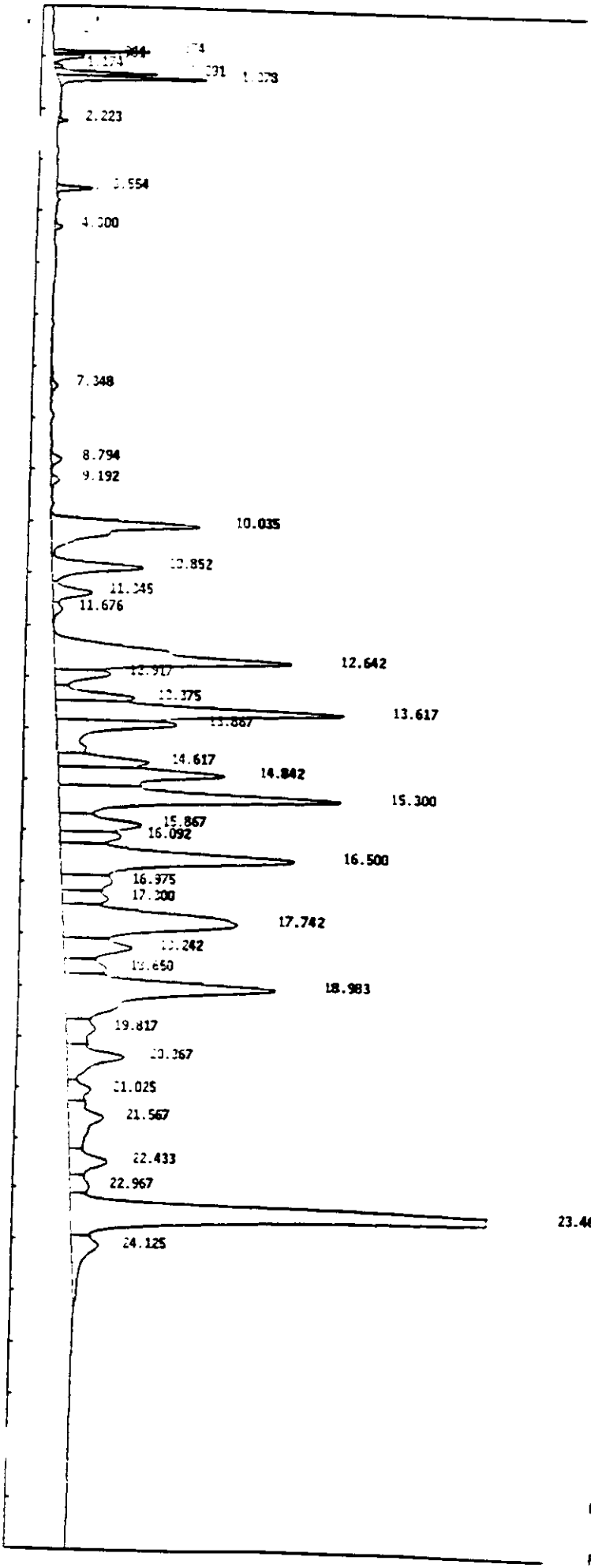
Result File : /HP7A/HP7A_031992CC009.RES Page 1
Sample Name : AR1248.STD 1.1.PCB 725
HP7A: DB5: 150-0-20-190-0-3-250-8; 2uL INJ; ATTN 2^4
Peak Processor : Genie Multilevel : False
Instrument : HP7A
Calculation : Zero Quantitation: AreaUnits
Dilution : 100
Run Time : 30.00 Minutes
Injection time : Thu Mar 19, 1992 1:36:10 pm
Run Status : RunStatusOK
SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.88	8168		.31874	
2	.98	15122		.59010	
3	1.29	21165		.82589	
4	1.38	33532		1.30848	
5	2.22	2155		.08411	
6	3.56	10693		.41725	
7	3.80	1289		.05031	
8	4.30	2060		.08038	
9	5.20	1737		.06779	
10	6.18	7449		0.00000	
11	6.74	1887		0.00000	
12	7.36	54909		0.00000	
13	7.68	3081		0.00000	
14	7.95	30708		0.00000	
15	8.50	7345		0.00000	
16	8.82	122853		0.00000	AR1248 #1
17	9.19	53332		0.00000	
18	9.46	34493		0.00000	
19	9.66	27418		0.00000	
20	10.05	97232		0.00000	AR1248 #2
21	10.23	125932		0.00000	AR1248 #3
22	10.87	150274		0.00000	
23	11.36	118368		0.00000	
24	11.70	39673		0.00000	
25	12.46	158080		0.00000	AR1248 #4
26	12.63	180073		0.00000	AR1248 #5
27	13.37	102425		0.00000	AR1248 #6
28	13.61	85785		0.00000	AR1248 #7
29	13.88	48931		0.00000	AR1248 #8
30	14.37	13291		0.00000	
31	14.63	25504		0.00000	
32	14.84	44914		0.00000	
23.450 33	15.04	21481		0.00000	
34	15.30	71709		0.00000	
35	15.84	27303		0.00000	
36	16.53	57990		0.00000	
37	17.81	35468		0.00000	
38	18.97	7658		0.00000	
39	22.96	7159		0.00000	
40	23.45	451680		0.00000	DBC (SURR) *
Totals:		0		0.00000	ug/mL

0.5 ug/mL
1.0 ng/mL
E921311
RF921311
TD 1.9

Report Time: Thu Mar 19, 1992 2:23:40 pm
Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH
Format File: /DATA/LOOP/FORMAT/SIDE.FMT

047

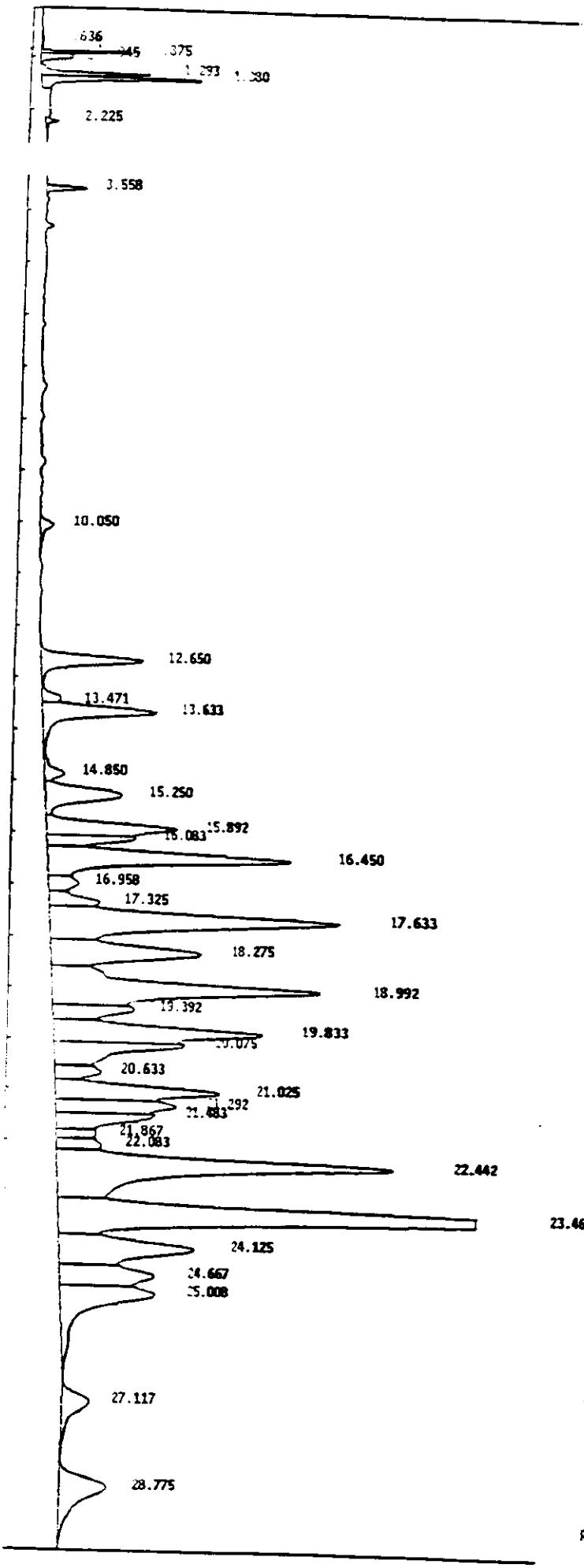


Result File : /HP7A/HP7A_031992CC010.RES Page 1
Sample Name : AR1254,STD 1.1,PCB 726
HP7A: DB5: 150-0-20-190-0-3-250-8: 2uL INJ: ATTN 2^4
Peak Processor : Genie Multilevel : False
Instrument : HP7A
Calculation : Zero Quantitation: Areaunits
Dilution : 100
Run Time : 30.02 Minutes
Injection time : Thu Mar 19, 1992 2:09:34 pm
Run Status : RunStatusOK
SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.87	10033		.36223	
2	.94	3531		.12748	
3	.98	6746		.24353	
4	1.17	1173		.04233	
5	1.29	19198		.69310	
6	1.38	29018		1.04766	
7	2.22	1386		.05002	
8	3.55	7550		.27258	
9	4.30	1701		.06140	
10	7.35	4088		.14758	
11	8.79	4620		.16680	
12	9.19	3246		.11718	
13	10.04	104187		3.76154	
14	10.85	50983		1.84066	
15	11.35	22290		.80474	
16	11.68	5701		.20584	
17	12.64	205277		0.00000	AR1254 #1
18	12.92	32903		0.00000	
19	13.38	41044		0.00000	
20	13.62	188459		0.00000	AR1254 #2
21	13.87	93051		0.00000	
22	14.62	52113		0.00000	
23	14.84	124694		0.00000	AR1254 #3
24	15.30	217794		0.00000	AR1254 #4
25	15.87	61216		0.00000	
26	16.09	37520		0.00000	
27	16.50	211970		0.00000	AR1254 #5
28	16.97	41174		0.00000	
29	17.30	33609		0.00000	
30	17.74	210208		0.00000	AR1254 #6
31	18.24	61014		0.00000	
32	18.65	29867		0.00000	
33	18.98	229067		0.00000	AR1254 #7
23.467 34	19.82	34260		0.00000	
35	20.37	60323		0.00000	
36	21.03	20162		0.00000	
37	21.57	57742		0.00000	
38	22.43	37989		0.00000	
39	22.97	18316		0.00000	
40	23.47	435310		0.00000	DBC (SURR) *
41	24.13	42118		0.00000	
Totals:		0		0.00000	ug/mL

Report Time: Thu Mar 19, 1992 3:42:12 pm
Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH
Format File: /DATA/LOOP/FORMAT/SIDE.FMT

0.5 ug/mL
1.0 ng inj
Σ 1387469
RF 1387469
%D 5.6



Result File : /HP7A/HP7A_031992CC011.RES

Page 1

Sample Name : AR1260.STD 1.1.PCB 727

HP7A: DB5: 150-0-20-190-0-3-250-8; 2uL INJ; ATTN 2^4

Peak Processor : Genie , Multilevel : False

Instrument : HP7A

Calculation : Zero Quantitation: Areaunits

Dilution : 100

Run Time : 30.02 Minutes

Injection time : Thu Mar 19, 1992 2:42:58 pm

Run Status : RunStatusOK
EndOffBaseline
SpecialInteg

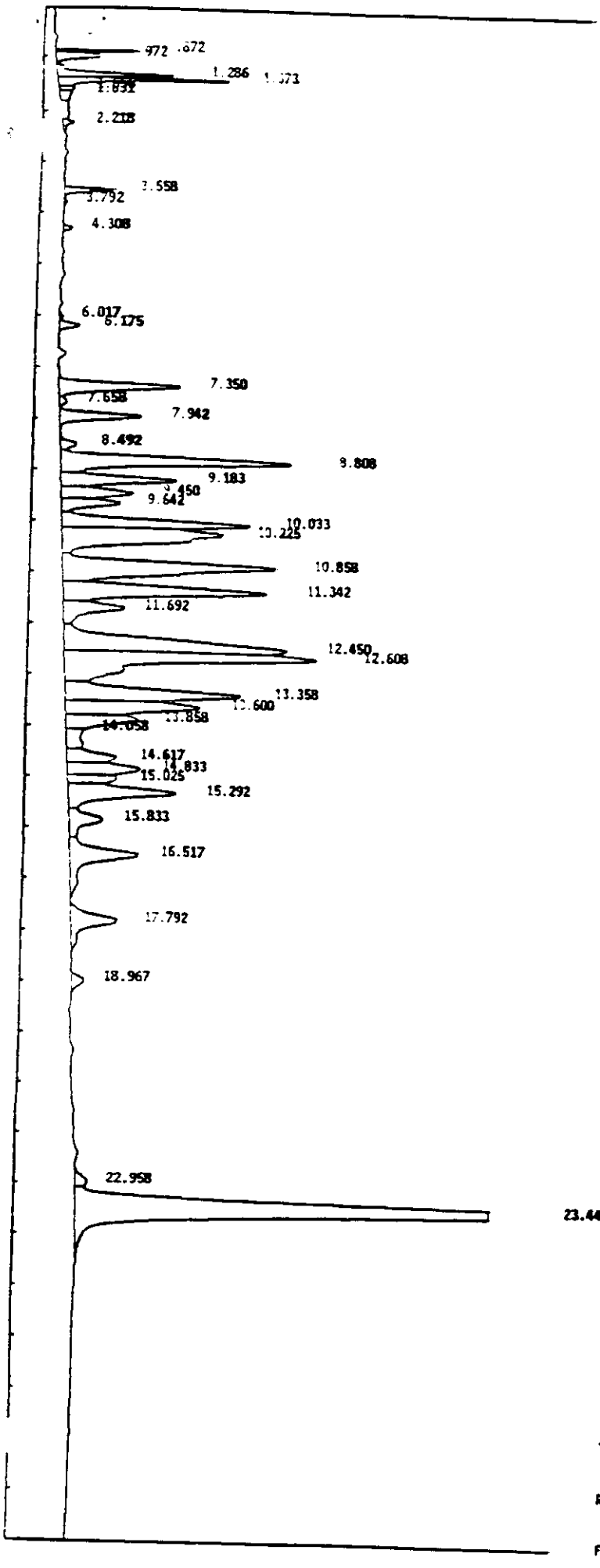
Pk #	RT	Area	Group	ug/mL	Name
1	.64	1317		.03682	
2	.88	9038		.25238	
3	.95	10372		.28989	
4	1.29	21369		.59723	
5	1.38	34473		.96348	
6	2.23	2515		.07030	
7	3.56	8045		.22485	
8	10.05	7858		0.00000	
9	12.65	56868		0.00000	
10	13.47	10283		0.00000	
11	13.63	74529		0.00000	
12	14.85	13223		0.00000	
13	15.25	63965		0.00000	
14	15.89	85582		0.00000	
15	16.08	39626		0.00000	
16	16.45	179193		0.00000	AR1260 #1
17	16.96	21824		0.00000	
18	17.33	29279		0.00000	
19	17.63	268003		0.00000	AR1260 #2
20	18.28	141136		0.00000	AR1260 #3
21	18.99	267012		0.00000	AR1260 #4
22	19.39	53931		0.00000	
23	19.83	171575		0.00000	
24	20.08	101775		0.00000	
25	20.63	31398		0.00000	
26	21.03	126522		0.00000	AR1260 #5
27	21.29	81762		0.00000	AR1260 #6
28	21.48	61734		0.00000	AR1260 #7
29	21.87	20953		0.00000	
30	22.08	25974		0.00000	
31	22.44	373851		0.00000	
32	23.47	513750		0.00000	DBC (SURR)
33	24.13	149621		0.00000	
34	24.67	92837		0.00000	
35	25.01	123554		0.00000	
36	27.12	35344		0.00000	
37	28.78	72840		0.00000	
Totals:		0		0.00000	ug/mL

0.5 ug/mL
1.0 mg/mj
311253362
KF1125362
8D 15

Report Time: Thu Mar 19, 1992 4:09:08 pm

Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT



Result File : /HP7A/HP7A_031992CC017.RES

Page -

Sample Name : AR1248.QCCS 1.1.PCB 725

HP7A: DB5: 150-0-20-190-0-3-250-8: 2uL INJ: ATTN 2^4

Peak Processor : Genie Multilevel : False

Instrument : HP7A

Calculation : Zero Quantitation: AreaUnits

Dilution : 100

Run-Time : 30.80 Minutes

Injection time : Thu Mar 19, 1992 6:03:16 pm

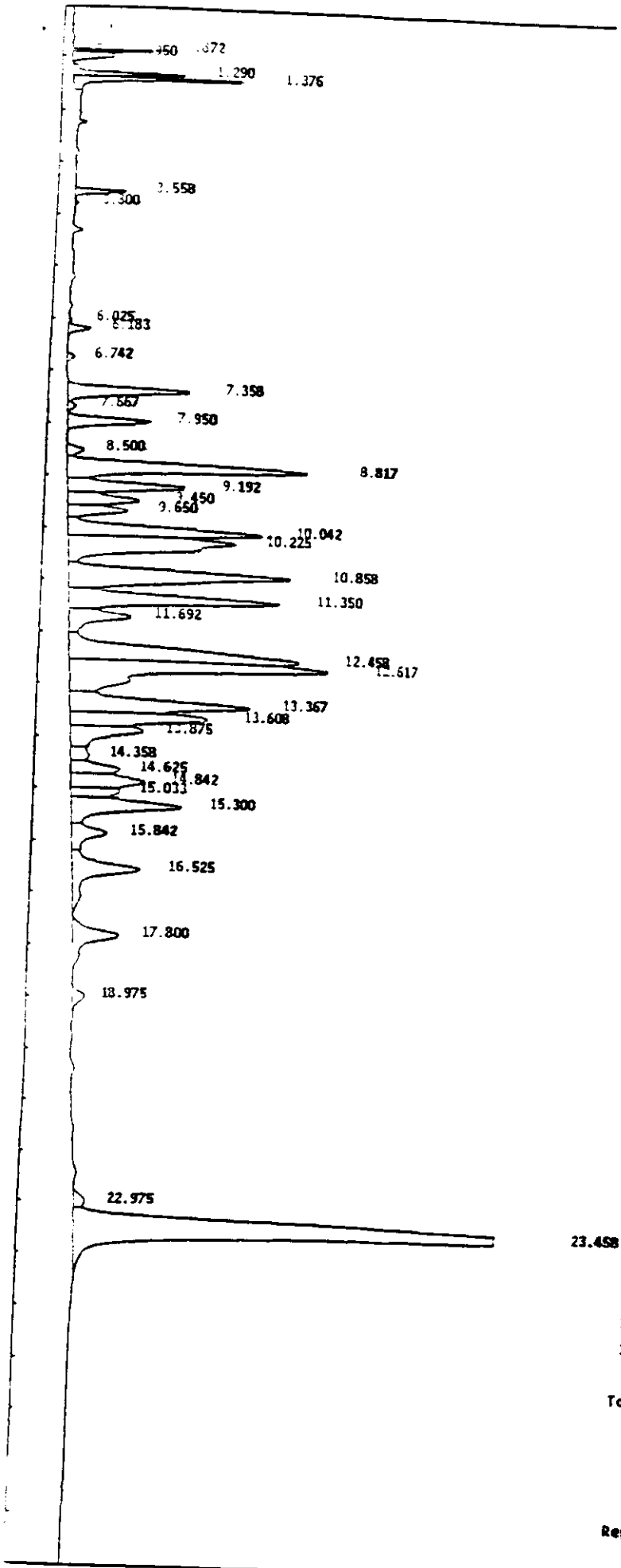
Run Status : RunStatusOK
SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.87	7552		.30295	
2	.97	14267		.57229	
3	1.29	24275		.97372	
4	1.37	33120		1.32852	
5	1.56	3198		.12827	
6	1.63	5525		.22160	
7	2.22	3265		.13096	
8	3.56	9883		0.00000	
9	3.79	701		0.00000	
10	4.31	2455		0.00000	
11	6.02	695		0.00000	
12	6.18	6174		0.00000	
13	7.35	53306		0.00000	
14	7.66	2940		0.00000	
15	7.94	29736		0.00000	
16	8.49	6517		0.00000	
17	8.81	122843		0.00000	AR1248 #1
18	9.18	51947		0.00000	
19	9.45	33145		0.00000	
20	9.64	26082		0.00000	
21	10.03	88760		0.00000	AR1248 #2
22	10.23	128979		0.00000	AR1248 #3
23	10.86	149451		0.00000	
24	11.34	115199		0.00000	
25	11.69	37206		0.00000	
26	12.45	153663		0.00000	AR1248 #4
27	12.61	184683		0.00000	AR1248 #5
28	13.36	104397		0.00000	AR1248 #6
29	13.60	81385		0.00000	AR1248 #7
30	13.86	41873		0.00000	AR1248 #8
31	14.06	16672		0.00000	
32	14.62	26843		0.00000	
33	14.83	42760		0.00000	
34	15.02	20821		0.00000	
35	15.29	71280		0.00000	
36	15.83	26212		0.00000	
37	16.52	59966		0.00000	
38	17.79	38415		0.00000	
39	18.97	7508		0.00000	
40	22.96	6791		0.00000	
41	23.44	469508		0.00000	DBC (SURR) *
Totals:		0		0.00000	ug/mL

Report Time: Thu Mar 19, 1992 7:11:54 pm

Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT



Result File : HP7A/HP7A_031992CC020.RES

Page 1

Sample Name : AR1248.OCCS 1.1.PCB 725

HP7A: D85: 150-0-20-190-0-3-250-8: 2uL INJ: ATTN 2^4

Peak Processor : Genie

Multilevel : False

Instrument : HP7A

Calculation : Zero

Quantitation: AreaUnits

Dilution : 100

Run Time : 30.00 Minutes

Injection time : Thu Mar 19, 1992 7:43:20 pm

Run Status : RunStatusOK

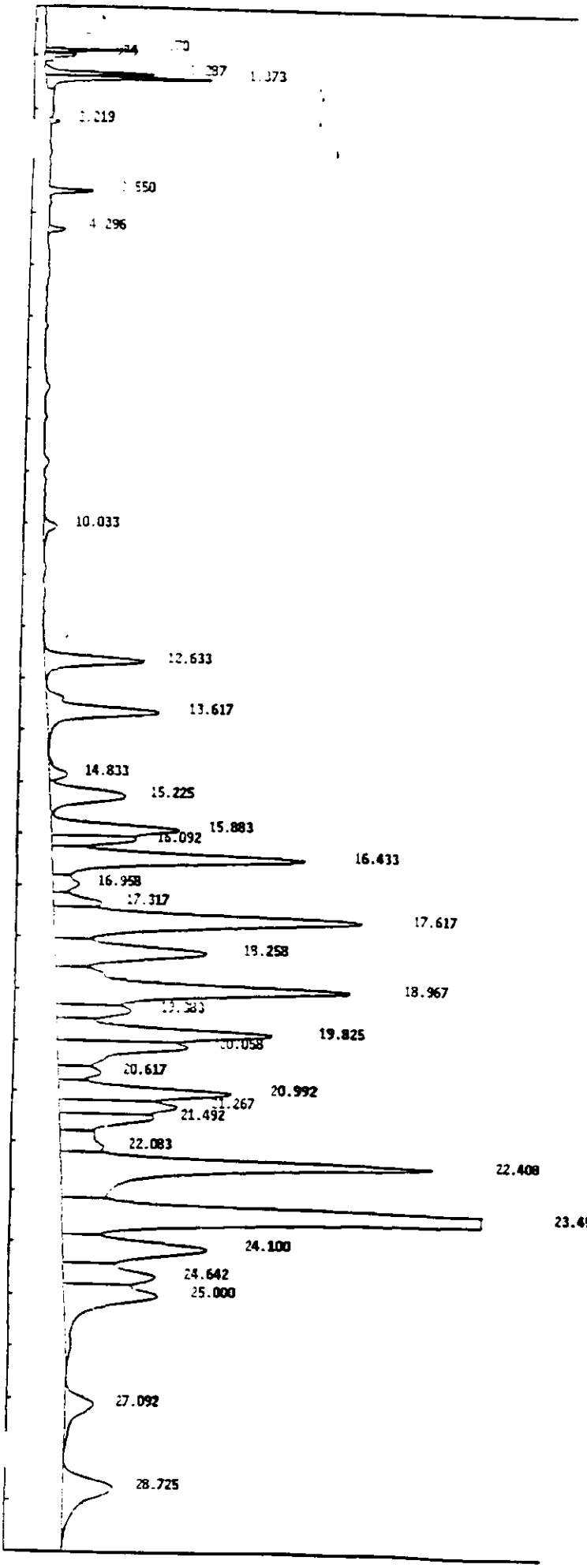
SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.87	7938		.31609	
2	.95	14070		.56025	
3	1.29	21287		.84762	
4	1.38	33765		1.34450	
5	3.56	10930		0.00000	
6	3.80	1090		0.00000	
7	6.02	829		0.00000	
8	6.18	6349		0.00000	
9	6.74	2281		0.00000	
10	7.36	53195		0.00000	
11	7.67	2616		0.00000	
12	7.95	30005		0.00000	
13	8.50	7140		0.00000	
14	8.82	123777		0.00000	AR1248 #1
15	9.19	51944		0.00000	
16	9.45	34461		0.00000	
17	9.65	27416		0.00000	
18	10.04	90428		0.00000	AR1248 #2
19	10.23	133395		0.00000	AR1248 #3
20	10.86	150120		0.00000	
21	11.35	119196		0.00000	
22	11.69	39394		0.00000	
23	12.46	153714		0.00000	AR1248 #4
24	12.62	189872		0.00000	AR1248 #5
25	13.37	111757		0.00000	AR1248 #6
26	13.61	80128		0.00000	AR1248 #7
27	13.88	46968		0.00000	AR1248 #8
28	14.36	12228		0.00000	
29	14.63	26538		0.00000	
30	14.84	42953		0.00000	
31	15.03	24342		0.00000	
32	15.30	71578		0.00000	
33	15.84	26181		0.00000	
34	16.53	60749		0.00000	
35	17.80	37808		0.00000	
36	18.97	7595		0.00000	
37	22.97	7474		0.00000	
38	23.46	478406		0.00000	DBC (SURR) *
Totals:		0		0.00000	ug/mL

Report Time: Thu Mar 19, 1992 8:41:58 pm

Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT



Result File : /HP7A/HP7A_031992CC021.RES

Page 1

Sample Name : AR1260.QCCS 1.1.PCB 727

HP7A: DB5: 150-0-20-190-0-3-250-8: 2uL INJ: ATTN 2^4

Peak Processor : Genie Multilevel : False

Instrument : HP7A

Calculation : Zero Quantitation: AreaUnits

Dilution : 100

Run Time : 30.00 Minutes

Injection time : Thu Mar 19, 1992 8:16:42 pm

Run Status : RunStatusOK
EndOffBaseline
SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.87	7791		.21263	
2	.94	4033		.11006	
3	.98	6419		.17518	
4	1.29	21940		.59877	
5	1.37	34744		.94820	
6	2.22	2054		.05607	
7	3.55	9381		.25601	
8	4.30	4071		.11110	
9	10.03	8088		0.00000	
10	12.63	56854		0.00000	
11	13.62	81934		0.00000	
12	14.83	10374		0.00000	
13	15.23	62658		0.00000	
14	15.88	78321		0.00000	
15	16.09	45316		0.00000	
16	16.43	180214		0.00000	AR1260 #1
17	16.96	20018		0.00000	
18	17.32	27384		0.00000	
19	17.62	274700		0.00000	AR1260 #2
20	18.26	141543		0.00000	AR1260 #3
21	18.97	264657		0.00000	AR1260 #4
22	19.38	51606		0.00000	
23	19.83	164641		0.00000	
24	20.06	113379		0.00000	
25	20.62	30863		0.00000	
26	20.99	126538		0.00000	AR1260 #5
27	21.27	82545		0.00000	AR1260 #6
28	21.49	66093		0.00000	AR1260 #7
29	22.08	46636		0.00000	
30	22.41	378502		0.00000	
31	23.45	552013		0.00000	DBC (SURR) *
32	24.10	149351		0.00000	
33	24.64	86561		0.00000	
34	25.00	123064		0.00000	
35	27.09	37302		0.00000	
36	28.72	77285		0.00000	
Totals:		0		0.00000	ug/mL

Report Time: Thu Mar 19, 1992 8:54:11 pm

Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT

GAS CHROMATOGRAPH PARAMETERS

ANALYSIS: SW846 8080

GC ID: HP#10

COLUMN PACKING: DB-608 Megabore

COLUMN DIMENSIONS: 30m x 0.536 mm

OVEN TEMPERATURE: 150-2-5-280-3

INJECTION TEMPERATURE: 220

DETECTOR: ECD

DETECTOR TEMPERATURE: 310

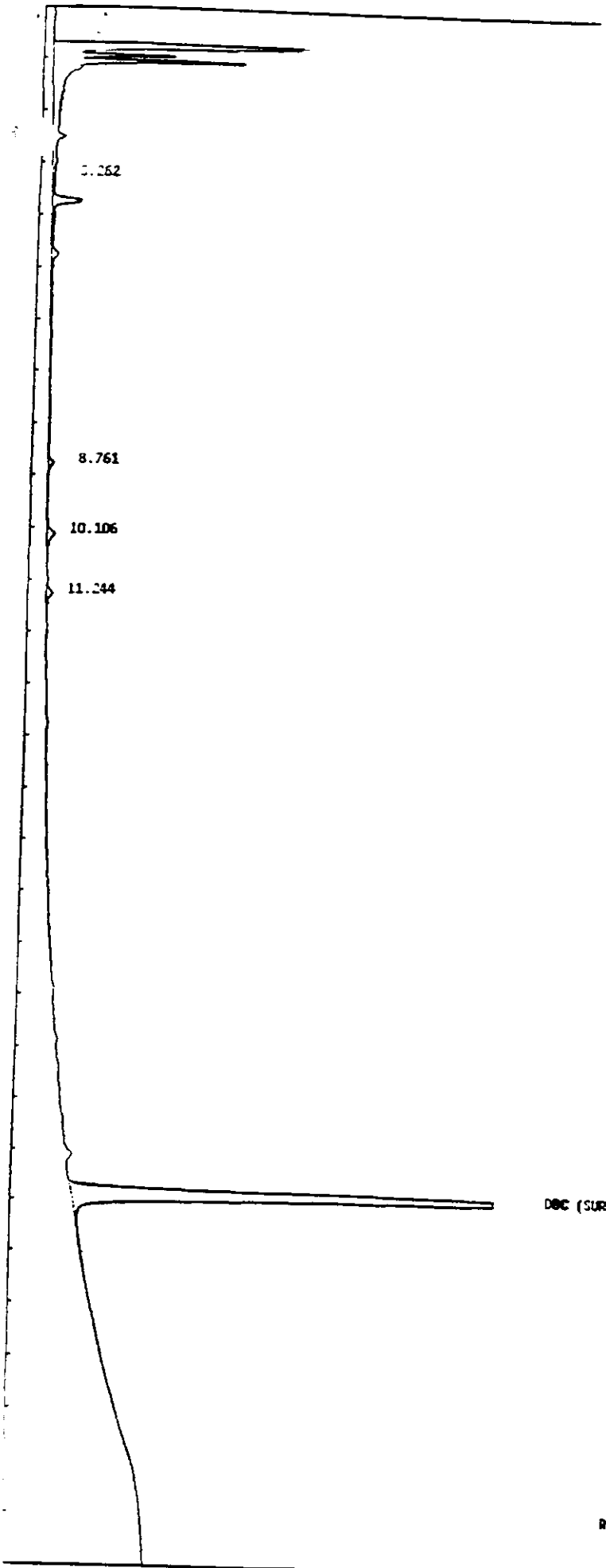
CARRIER GAS: N_2

FLOW (COLUMN/MAKE-UP): 9.74 cc/min / Total 70.2 cc/min

INSTRUMENT ATTENUATION: 2^1

INJECTION VOLUME: 2ul

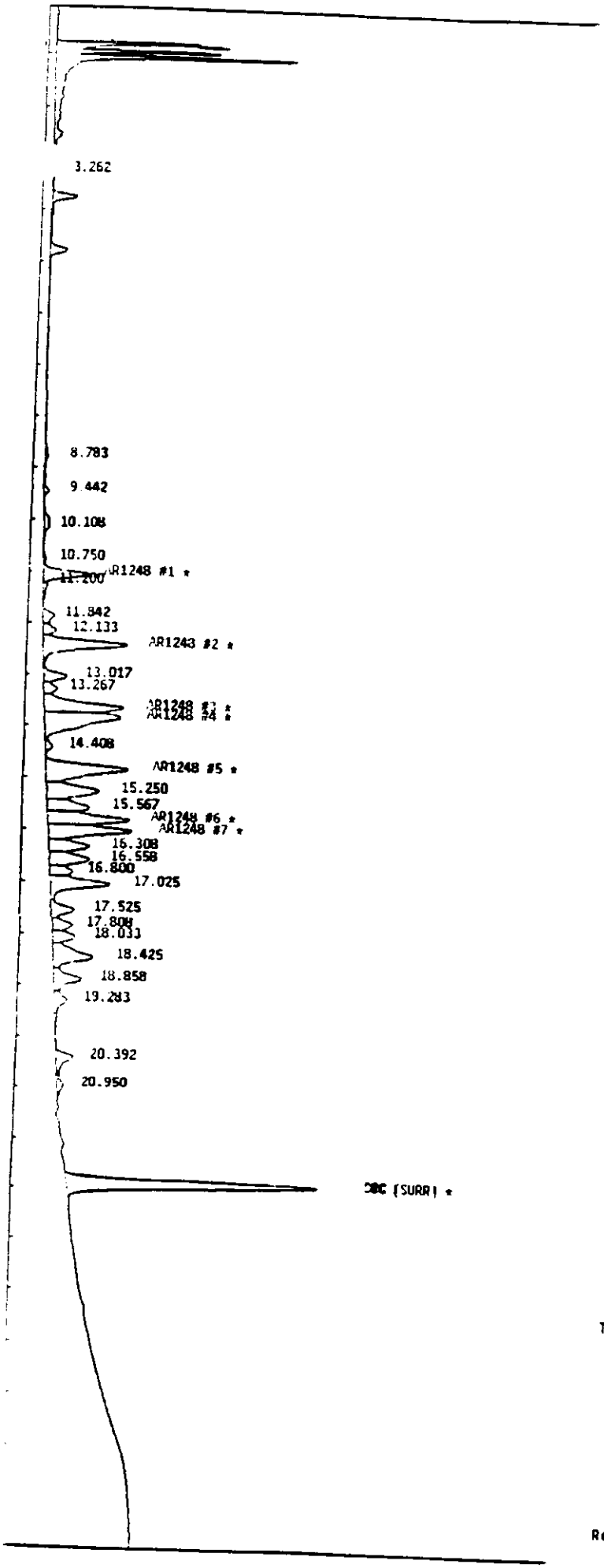
OPERATOR: JM



Result File : /HP#10/HP10_031992CC001.RES
Sample Name : HEXANE.1.1.
DB-608 MEGABORE: 150-2-5-280-3; 2uL INJ.
Peak Processor : Genie Multilevel . False
Instrument : HP#10
Calculation : ExternalSTD Quantitation: AreaUnits
Dilution : 10X
Run Time : 30.00 Minutes
Injection time : Thu Mar 19, 1992 10:28:03 pm
Run Status : RunStatusOK
EndOffBaseline
NoReference
SpecialInteg

Pk #	RT	Area	Group	% AREA	Name
1	3.26	401036		.02468	
2	8.76	4726		.00029	
3	10.11	8052		.00050	
4	11.24	6185		.00038	
5	22.88	578964		0.00000	DBC (SURR)
Totals:		0		0.00000	% AREA

Report Time: Fri Mar 20, 1992 8:29:45 am
Method: /DATA/LOOP/METHOD/HP10_PCB.MTH
Format File: /DATA/LOOP/FORMAT/SIDE.FMT



Result File : HP#10/HP10_031992CC002.RES

Page 1

Sample Name : EVAL A.STD 1.1.PCB 647

DB-608 MEGABORE: 150-2-5-280-3; 2uL INJ.

Peak Processor : Genie Multilevel : False

Instrument : HP#10

Calculation : ExternalSTD Quantitation: AreaUnits

Dilution : 100

Run Time : 30.00 Minutes

Injection time : Thu Mar 19, 1992 11:02:12 pm

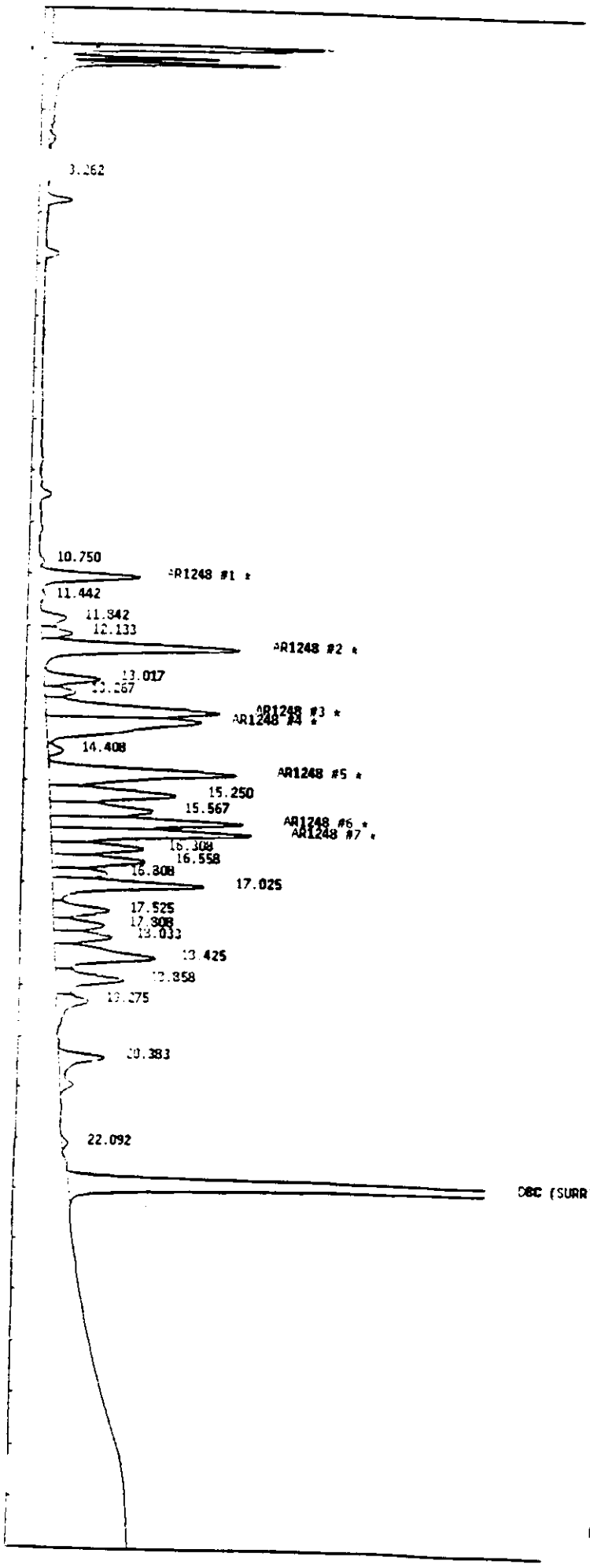
Run Status : RunStatusUK
EndOffBaseline
NoReference
SpecialInteg

Pk #	RT	Area	Group	% AREA	Name
1	3.26	352617		.02170	
2	8.78	3195		0.00000	
3	9.44	3944		0.00000	
4	10.11	10050		0.00000	
5	10.75	1465		0.00000	
6	11.03	39926		0.00000	AR1248 #1 *
7	11.20	5742		0.00000	
8	11.84	11574		0.00000	
9	12.13	11438		0.00000	
10	12.39	85464		0.00000	AR1248 #2 *
11	13.02	21055		0.00000	
12	13.27	12161		0.00000	
13	13.63	86356		0.00000	AR1248 #3 *
14	13.81	113435		0.00000	AR1248 #4 *
15	14.41	6765		0.00000	
16	14.83	101175		0.00000	AR1248 #5 *
17	15.25	63022		0.00000	
18	15.57	42542		0.00000	
19	15.78	78855		0.00000	AR1248 #6 *
20	16.00	83977		0.00000	AR1248 #7 *
21	16.31	42457		0.00000	
22	16.56	43005		0.00000	
23	16.80	21789		0.00000	
24	17.03	63951		0.00000	
25	17.53	24710		0.00000	
26	17.81	19948		0.00000	
27	18.03	21762		0.00000	
28	18.42	57525		0.00000	
29	18.86	35282		0.00000	
30	19.28	19882		0.00000	
31	20.39	20904		0.00000	
32	20.95	9794		0.00000	
33	22.88	248511		0.00000	DBC (SURR) *
		----------		----------	
Totals:		0		0.00000	% AREA

Report Time: Fri Mar 20, 1992 8:35:49 am

Method: /DATA/LOOP/METHOD/HP10_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT



Result File : /HP#10/HP10_03:1992CC003.RES

Page 1

Sample Name : EVAL B.STD 2.1.PCB 648

DB-608 MEGABORE: 150-2-5-280-3: 2uL INJ.

Peak Processor : Genie Multilevel : False

Instrument : HP#10

Calculation : ExternalSTD Quantitation: AreaUnits

Dilution : 100

Run Time : 30.00 Minutes

Injection time : Thu Mar 19, 1992 11:36:17 pm

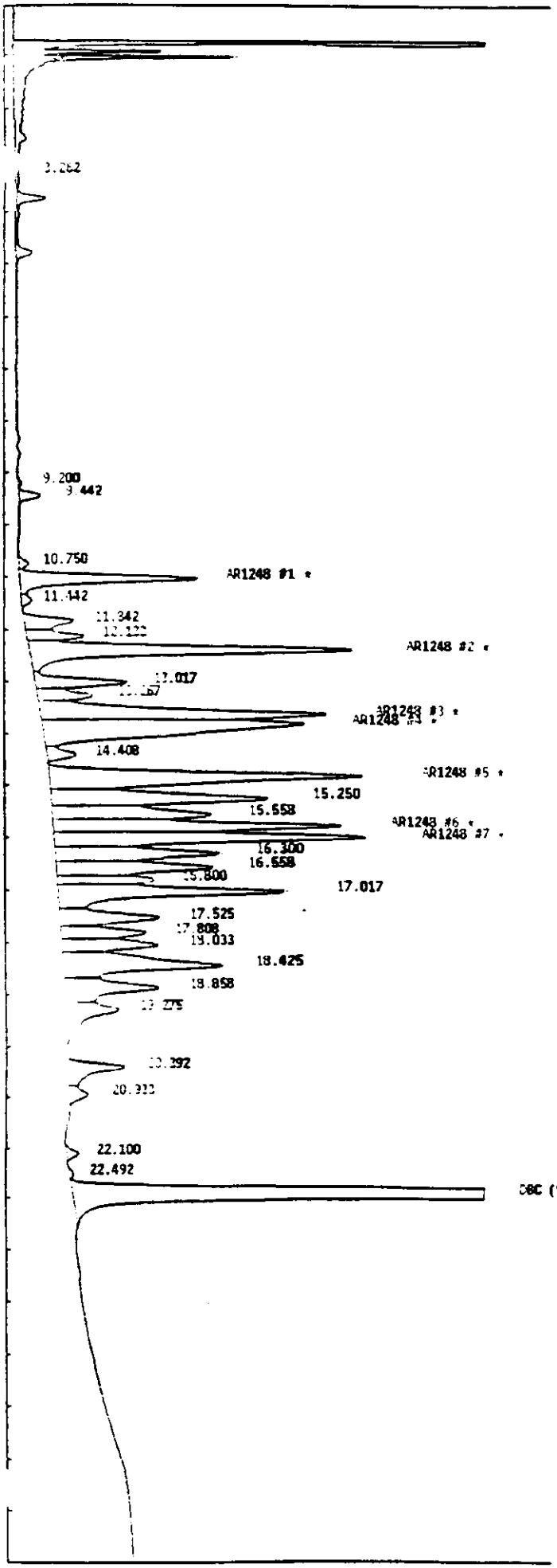
Run Status : RunStatusOK
EndOffBaseline
NoReference
SpecialInteg

Pk #	RT	Area	Group	% AREA	Name
1	3.26	398759		.02454	
2	10.75	3553		0.00000	
3	11.03	93272		0.00000	AR1248 #1 *
4	11.44	5030		0.00000	
5	11.84	29530		0.00000	
6	12.13	30130		0.00000	
7	12.40	204704		0.00000	AR1248 #2 *
8	13.02	55271		0.00000	
9	13.27	29015		0.00000	
10	13.63	200004		0.00000	AR1248 #3 *
11	13.81	242868		0.00000	AR1248 #4 *
12	14.41	14390		0.00000	
13	14.83	241164		0.00000	AR1248 #5 *
14	15.25	154430		0.00000	
15	15.57	115907		0.00000	
16	15.78	189390		0.00000	AR1248 #6 *
17	16.00	202099		0.00000	AR1248 #7 *
18	16.31	97494		0.00000	
19	16.56	105972		0.00000	
20	16.81	48132		0.00000	
21	17.03	165342		0.00000	
22	17.53	62591		0.00000	
23	17.81	51143		0.00000	
24	18.03	61652		0.00000	
25	18.42	146136		0.00000	
26	18.86	93885		0.00000	
27	19.28	49837		0.00000	
28	20.38	74139		0.00000	
29	22.09	6250		0.00000	
30	22.88	708470		0.00000	DBC (SURR) *
Totals:		0		0.00000	% AREA

Report Time: Fri Mar 20, 1992 8:41:07 am

Method: /DATA/LOOP/METHOD/HP10_PCB.MTH

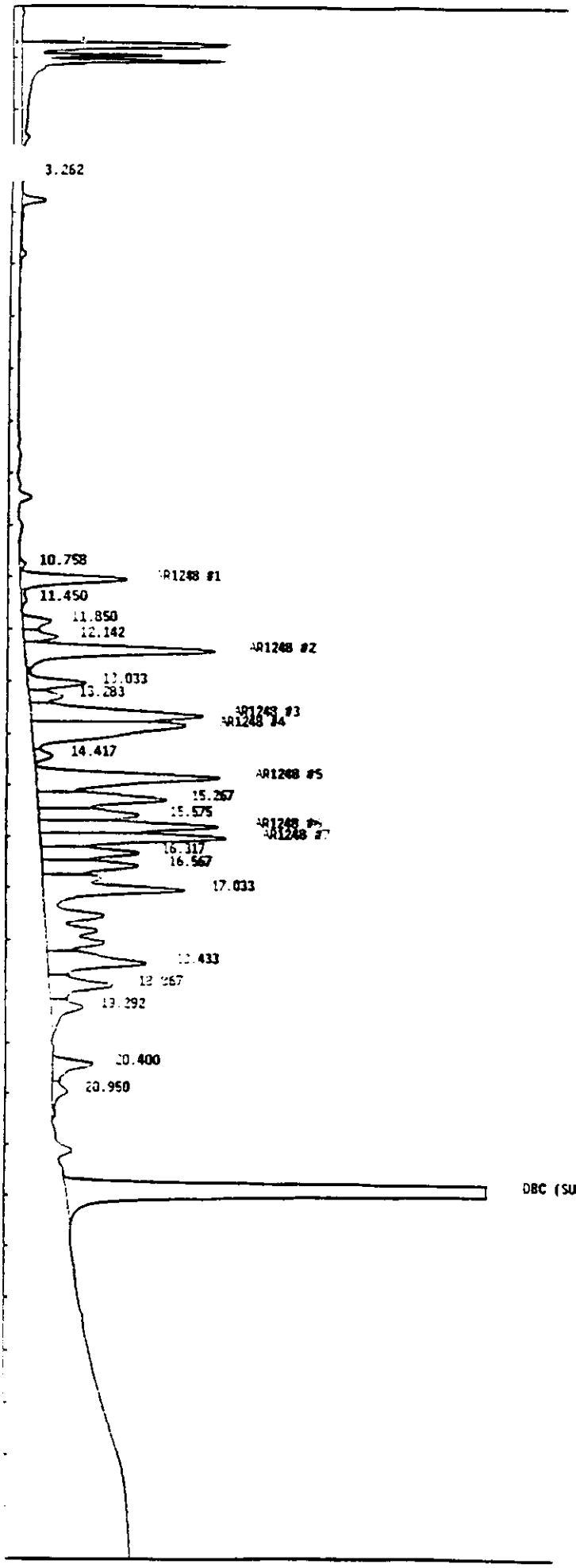
Format File: /DATA/LOOP/FORMAT/SIDE.FMT



Result File : /HP#10/HP10_031992CC004.RES Page 1
Sample Name : EVAL C.STD 3.1.PCB 649
DB-608 MEGABORE: 150-2-5-280-3: 2uL INJ.
Peak Processor : Genie Multilevel : False
Instrument : HP#10
Calculation : ExternalSTD Quantitation: AreaUnits
Dilution : 100
Run Time : 30.02 Minutes
Injection time : Fri Mar 20, 1992 12:10:23 am
Run Status : RunStatusOK
EndOffBaseline
NoReference
SpecialInteg

Pk #	RT	Area	Group	% AREA	Name
1	3.26	606601		.03733	
2	9.20	1939		0.00000	
3	9.44	16482		0.00000	
4	10.75	6755		0.00000	
5	11.03	167677		0.00000	AR1248 #1 *
6	11.44	8906		0.00000	
7	11.84	51031		0.00000	
8	12.13	47860		0.00000	
9	12.39	347942		0.00000	AR1248 #2 *
10	13.02	85820		0.00000	
11	13.27	53539		0.00000	
12	13.63	323793		0.00000	AR1248 #3 *
13	13.81	432312		0.00000	AR1248 #4 *
14	14.41	28973		0.00000	
15	14.82	401799		0.00000	AR1248 #5 *
16	15.25	267346		0.00000	
17	15.56	183490		0.00000	
18	15.77	288773		0.00000	AR1248 #6 *
19	15.99	328975		0.00000	AR1248 #7 *
20	16.30	189287		0.00000	
21	16.56	185896		0.00000	
22	16.80	81513		0.00000	
23	17.02	279438		0.00000	
24	17.53	119615		0.00000	
25	17.81	93761		0.00000	
26	18.03	108392		0.00000	
27	18.42	249717		0.00000	
28	18.86	144095		0.00000	
29	19.28	92647		0.00000	
30	20.39	77268		0.00000	
31	20.93	23555		0.00000	
32	22.10	10945		0.00000	
33	22.49	4043		0.00000	
34	22.88	1460652		0.00000	DBC (SURR) *
Totals:		0		0.00000	% AREA

Report Time: Fri Mar 20, 1992 8:46:13 am
Method: /DATA/LOOP/METHOD/HP10_PCB.MTH
Format File: /DATA/LOOP/FORMAT/SIDE.FMT

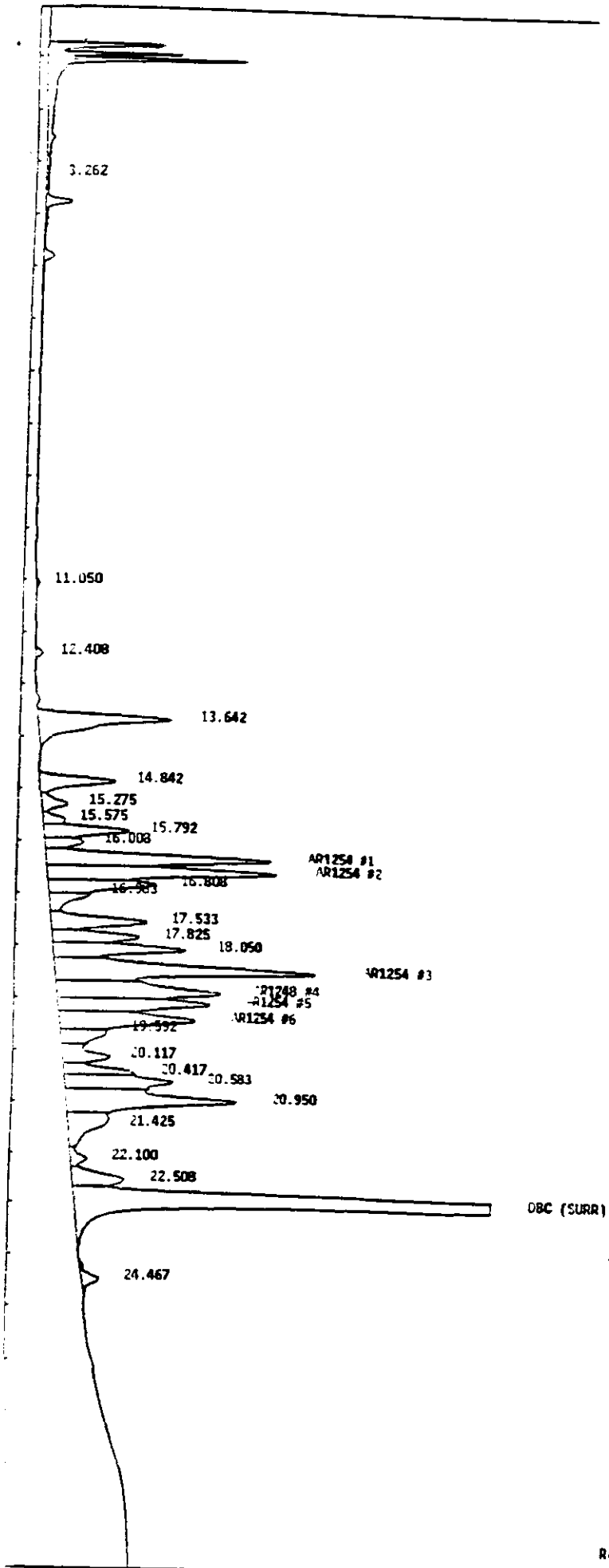


Result File : /HP#10/HP10_031992CCD05.RES Page 1
Sample Name : AR1248.STD 1.1.PCB 725
DB-608 MEGABORE; 150-2-5-280-3; 2uL INJ.
Peak Processor : Genie Multilevel : False
Instrument : HP#10
Calculation : ExternalSTD Quantitation: AreaUnits
Dilution : 100.
Run Time : 30.02 Minutes
Injection time : Fri Mar 20, 1992 12:44:28 am
Run Status : RunStatusOK
EndOffBaseline
NoReference
SpecialInteg

Pk #	RT	Area	Group	% AREA	Name
1	3.26	341764		.02103	
2	10.76	3838		0.00000	
3	11.04	92749		0.00000	AR1248 #1
4	11.45	7367		0.00000	
5	11.85	27750		0.00000	
6	12.14	28855		0.00000	
7	12.41	195872		0.00000	AR1248 #2
8	13.03	52722		0.00000	
9	13.28	31465		0.00000	
10	13.63	202650		0.00000	AR1248 #3
11	13.83	228926		0.00000	AR1248 #4
12	14.42	15245		0.00000	
13	14.83	237211		0.00000	AR1248 #5
14	15.27	150104		0.00000	
15	15.58	102571		0.00000	
16	15.79	181636		0.00000	AR1248 #6
17	16.01	182735		0.00000	AR1248 #7
18	16.32	103220		0.00000	
19	16.57	107040		0.00000	
20	17.03	374287		0.00000	
21	18.43	136819		0.00000	
22	18.87	83729		0.00000	
23	19.29	47733		0.00000	
24	20.40	50126		0.00000	
25	20.95	24621		0.00000	
26	22.88	1545137		0.00000	DBC (SURR) *
Totals:		0		0.00000	% AREA

21321-79
4,5

Report Time: Fri Mar 20, 1992 8:51:12 am
Method: /DATA/LOOP/METHOD/HP10_PCB.MTH
Format File: /DATA/LOOP/FORMAT/SIDE.FMT



Result File : /HP#10/HP10_031992CC006.RES

Page 1

Sample Name : AR1254.STD 1.1.PCB 726

DB-608 MEGABORE: 150-2-5-280-3; 2uL INJ.

Peak Processor : Genie Multilevel False

Instrument : HP#10

Calculation : ExternalSTD Quantitation: AreaUnits

Dilution : 100

Run Time : 30.02 Minutes

Injection time : Fri Mar 20, 1992 1:18:37 am

Run Status : RunStatusOK
EndOffBaseline
NoReference
SpecialInteg

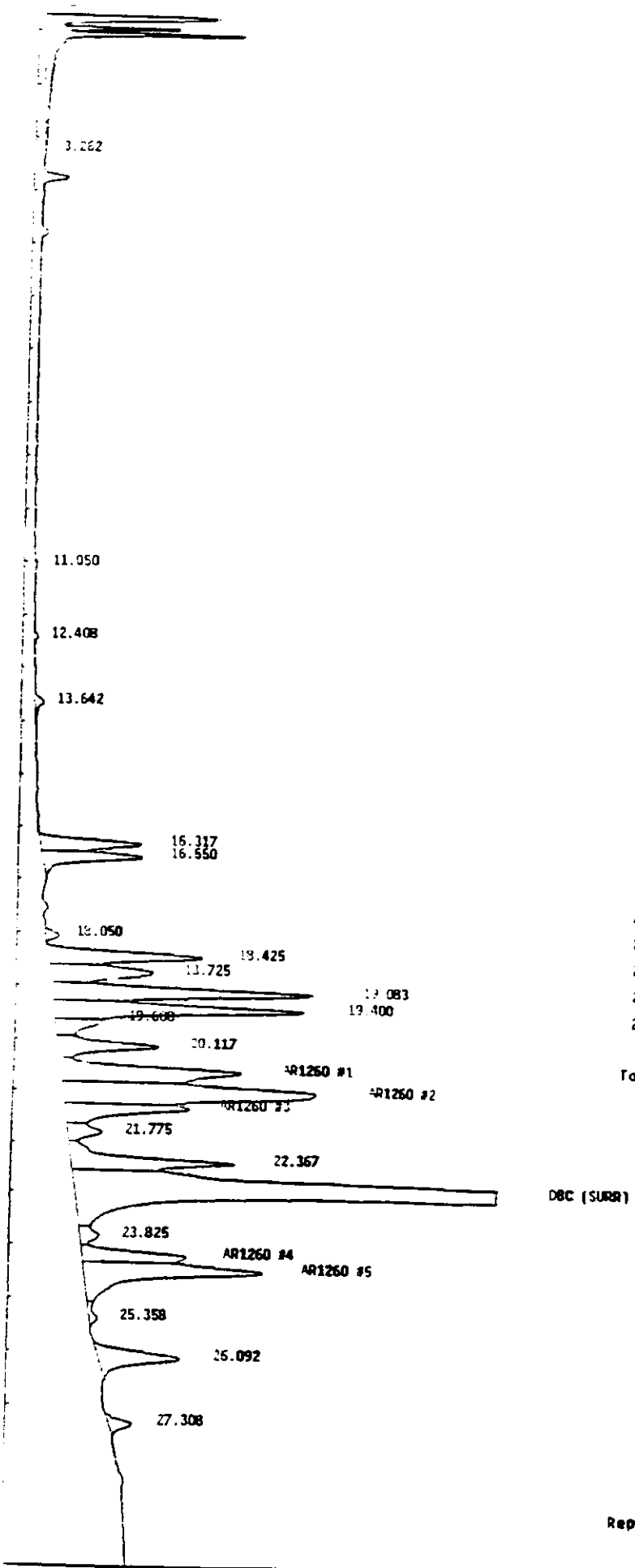
Pk #	RT	Area	Group	% AREA	Name
1	3.26	296673		.01826	
2	11.05	2568		0.00000	
3	12.41	5320		0.00000	
4	13.64	170821		0.00000	
5	14.84	71849		0.00000	
6	15.27	28308		0.00000	
7	15.58	19825		0.00000	
8	15.79	81861		0.00000	
9	16.01	33646		0.00000	
10	16.32	225845		0.00000	AR1254 #1
11	16.57	249303		0.00000	AR1254 #2
12	16.81	102645		0.00000	
13	16.98	42723		0.00000	
14	17.53	98829		0.00000	
15	17.83	85433		0.00000	
16	18.05	137463		0.00000	
17	18.44	324058		0.00000	AR1254 #3
18	18.87	224399		0.00000	AR1248 #4
19	19.08	161372		0.00000	AR1254 #5
20	19.39	180620		0.00000	AR1254 #6
21	19.59	56122		0.00000	
22	20.12	61824		0.00000	
23	20.42	51597		0.00000	
24	20.58	142036		0.00000	
25	20.95	248525		0.00000	
26	21.42	92739		0.00000	
27	22.10	19368		0.00000	
28	22.51	69969		0.00000	
29	22.89	1569292		0.00000	DBC (SURR) *
30	24.47	20552		0.00000	
Totals:		0		0.00000	% AREA

31365597

Report Time: Fri Mar 20, 1992 8:55:15 am

Method: /DATA/LOOP/METHOD/HP10_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT



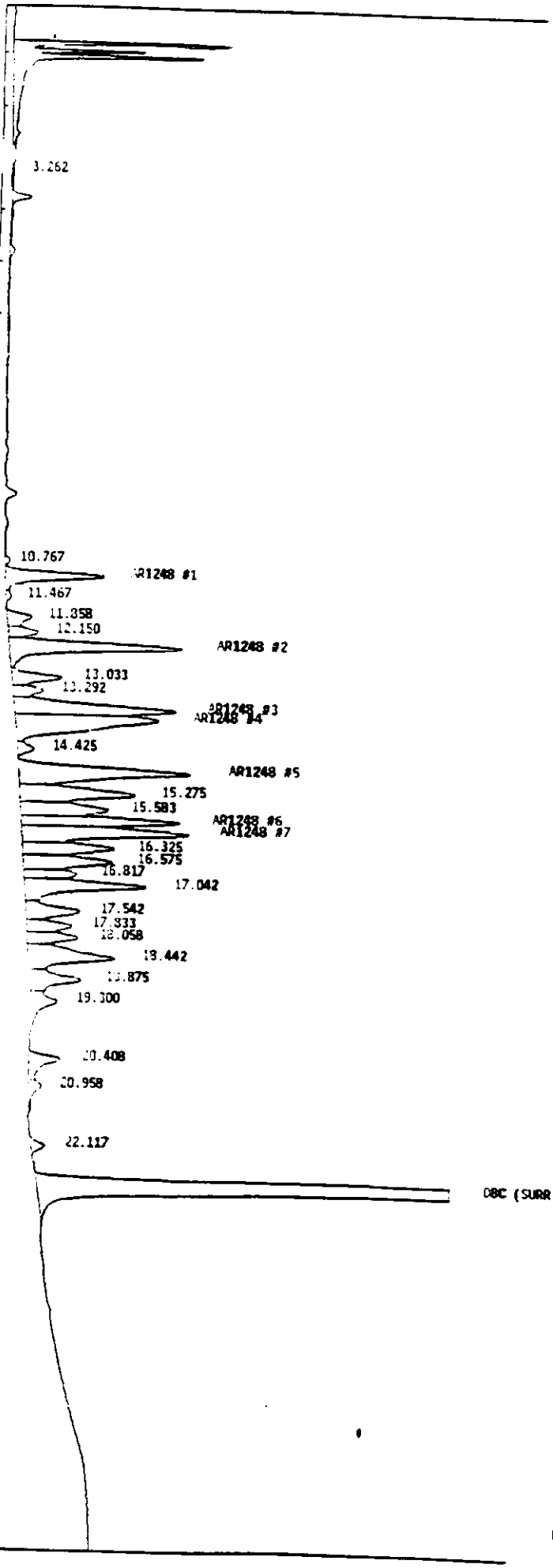
Result File : HP#10/HP10_031992CC007.RES Page 1
Sample Name : AR1260.STD 1.1,PCB 727
DB-608 MEGABORE; 150-2-S-280-3; 2uL INJ.
Peak Processor : Genie Multilevel : False
Instrument : HP#10
Calculation : ExternalSTD Quantitation: AreaUnits
Dilution : 100
Run Time : 30.00 Minutes
Injection time : Fri Mar 20, 1992 1:52:42 am
Run Status : RunStatusOK
EndOffBaseline
SpecialInteg

Pk #	RT	Area	Group	% AREA	Name
1	3.26	327954		.02018	
2	11.05	2066		0.00000	
3	12.41	2479		0.00000	
4	13.64	11460		0.00000	
5	16.32	99895		0.00000	
6	16.55	101025		0.00000	
7	18.05	10939		0.00000	
8	18.42	158576		0.00000	
9	18.72	139754		0.00000	
10	19.08	281485		0.00000	
11	19.40	275851		0.00000	
12	19.61	55621		0.00000	
13	20.12	115973		0.00000	
14	20.60	262220		0.00000	AR1260 #1
15	20.98	434273		0.00000	AR1260 #2
16	21.30	150976		0.00000	AR1260 #3
17	21.78	44249		0.00000	
18	22.37	214900		0.00000	
19	22.88	2294364		0.00000	DBC (SURR)
20	23.83	26969		0.00000	
21	24.20	116489		0.00000	AR1260 #4
22	24.46	267954		0.00000	AR1260 #5
23	25.36	13304		0.00000	
24	26.09	115108		0.00000	
25	27.31	25374		0.00000	
Totals:		0		0.00000	% AREA

Σ1231912

5:1

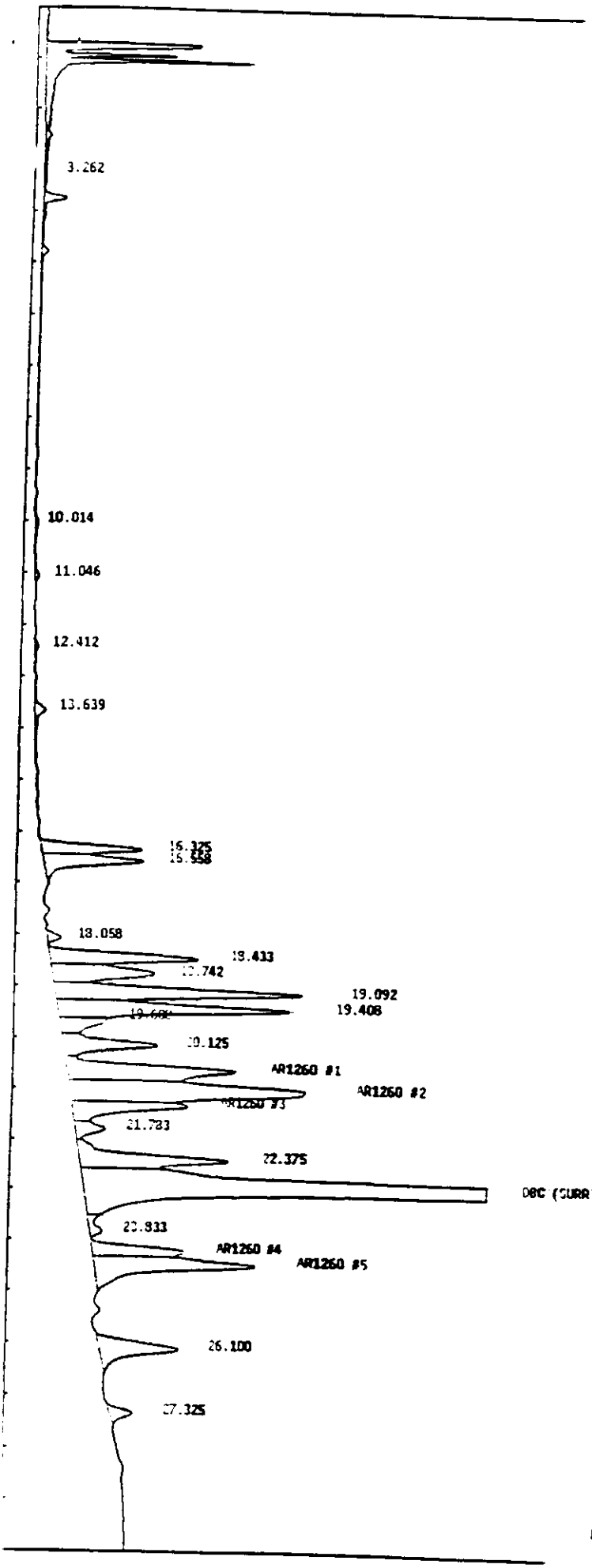
Report Time: Fri Mar 20, 1992 9:03:22 am
Method: /DATA/LOOP/METHOD/HP10_PCB.MTH
Format File: /DATA/LOOP/FORMAT/SIDE.FMT



Result File : /HP#10/HP10_031992CC010.RES Page 1
Sample Name : AR1248.QCCS 1.1.PCB 725
DB-608 MEGABORE: 150-2-5-280-3: 2uL INJ.
Peak Processor : Genie Multilevel : False
Instrument : HP#10
Calculation : ExternalSTD Quantitation: AreaUnits
Dilution : 100
Run Time : 30.02 Minutes
Injection time : Fri Mar 20, 1992 3:34:58 am
Run Status : RunStatusOK
EndOffBaseline
NoReference
SpecialInteg

Pk #	RT	Area	Group	% AREA	Name
1	3.26	341668		.02103	
2	10.77	3621		0.00000	
3	11.05	93154		0.00000	AR1248 #1
4	11.47	4894		0.00000	
5	11.86	27524		0.00000	
6	12.15	27431		0.00000	
7	12.42	186101		0.00000	AR1248 #2
8	13.03	49144		0.00000	
9	13.29	30529		0.00000	
10	13.64	193633		0.00000	AR1248 #3
11	13.83	226823		0.00000	AR1248 #4
12	14.42	15777		0.00000	
13	14.84	225018		0.00000	AR1248 #5
14	15.27	146111		0.00000	
15	15.58	105975		0.00000	
16	15.80	148160		0.00000	AR1248 #6
17	16.02	188052		0.00000	AR1248 #7
18	16.33	92478		0.00000	
19	16.58	106168		0.00000	
20	16.82	47389		0.00000	
21	17.04	141511		0.00000	
22	17.54	64893		0.00000	
23	17.83	49894		0.00000	
24	18.06	52548		0.00000	
25	18.44	128649		0.00000	
26	18.88	70649		0.00000	
27	19.30	42981		0.00000	
28	20.41	45928		0.00000	
29	20.96	20094		0.00000	
30	22.12	12674		0.00000	
31	22.90	1535181		0.00000	DBC (SURR) *
		---		---	
Totals:		0		0.00000	% AREA

Report Time: Fri Mar 20, 1992 9:11:30 am
Method: /DATA/LOOP/METHOD/HP10_PCB.MTH
Format File: /DATA/LOOP/FORMAT/SIDE.FMT



Result File : /HP#10/HP10_031992CC011.RES Page 1
Sample Name : AR1260.QCCS 1.1.PCB 727
DB-608 MEGABORE: 150-2-5-280-3; 2uL INJ.
Peak Processor : Genie Multilevel : False
Instrument : HP#10
Calculation : ExternalSTD Quantitation: AreaUnits
Dilution : 100
Run Time : 30.00 Minutes
Injection time : Fri Mar 20, 1992 4:09:04 am
Run Status : RunStatusOK
EndOffBaseline
SpecialInteg

Pk #	RT	Area	Group	% AREA	Name
1	3.26	308722		.01900	
2	10.01	3469		.00021	
3	11.05	4103		.00025	
4	12.41	2763		.00017	
5	13.64	13290		.00082	
6	16.33	93128		0.00000	
7	16.56	110378		0.00000	
8	18.06	10750		0.00000	
9	18.41	152878		0.00000	
10	18.74	142714		0.00000	
11	19.09	282623		0.00000	
12	19.41	273483		0.00000	
13	19.61	58230		0.00000	
14	20.13	113436		0.00000	
15	20.62	262801		0.00000	AR1260 #1
16	21.00	432291		0.00000	AR1260 #2
17	21.30	143038		0.00000	AR1260 #3
18	21.78	36764		0.00000	
19	22.38	207116		0.00000	
20	22.89	2321507		0.00000	DBC (SURR) *
21	23.83	22133		0.00000	
22	24.22	103558		0.00000	AR1260 #4
23	24.47	243402		0.00000	AR1260 #5
24	26.10	122858		0.00000	
25	27.33	25641		0.00000	
Totals:		0		0.00000	% AREA

Report Time: Fri Mar 20, 1992 9:14:41 am
Method: /DATA/LOOP/METHOD/HP10_PCB.MTH
Format File: /DATA/LOOP/FORMAT/SIDE.FMT

GC/ECD

PCB

RAW DATA

PCB/PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE No.

METHOD BLANK

Lab Name: Galson Laboratories

Lab Task Number : 3-7505

Matrix: (soil/water) WATER

Sample wt/vol: 1000 mL

Level : (low/med) LOW

% Moisture: 0

Extraction: (SepF/Cont/Sonc) SEPF

GPC Cleanup: (Y/N) N pH: 7

Lab Sample ID: Q5-0554

Lab File ID: HP7A_031992CC012

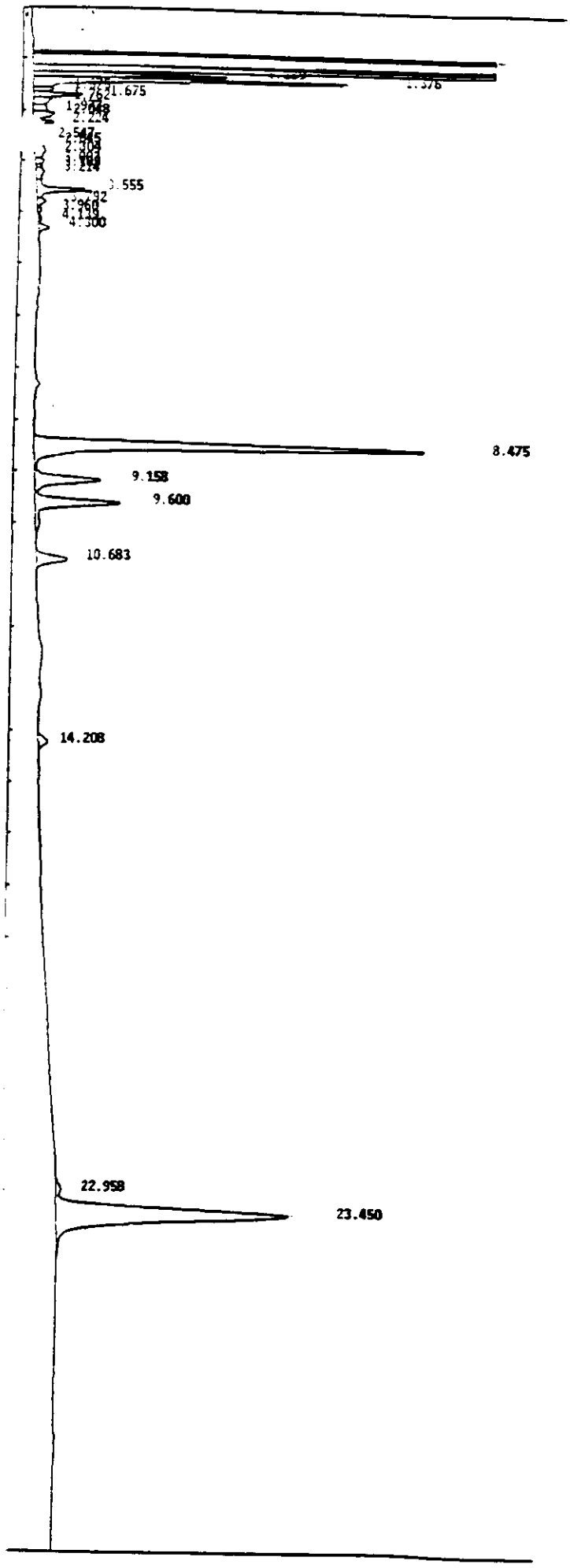
Date Received:

Date Extracted:Mar 19, 1992

Date Analyzed: Mar 19, 1992 15:16

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
11141-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U



Result File : /HP7A/HP7A_031992CC012.RES

Sample Name : 05-0554,1,1,METHOD BLANK

HP7A; DB5; 150-0-20-190-0-3-250-8; 2uL INJ; ATTN 2^4

Peak Processor : Genie Multilevel : False

Instrument : HP7A

Calculation : Zero Quantitation: AreaUnits

Dilution : 100

Run Time : 30.00 Minutes

Injection time : Thu Mar 19, 1992 3:16:23 pm

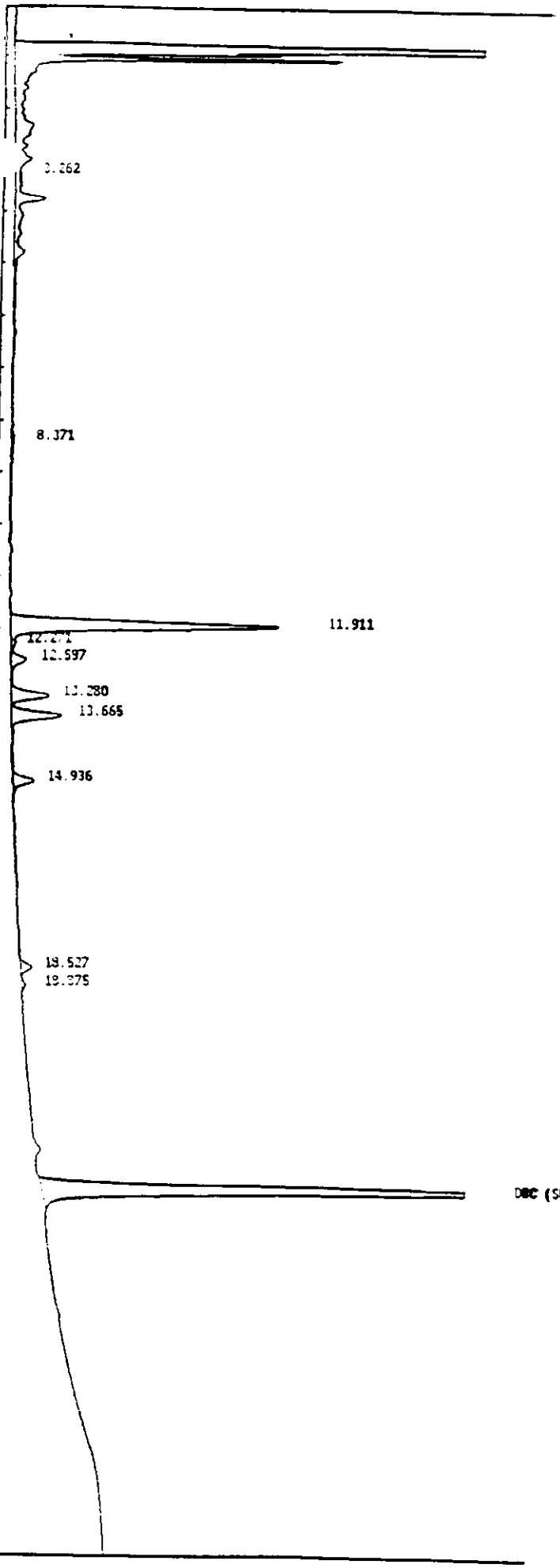
Run Status : RunStatusOK
EndOffBaseline
SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.87	45227		2.62059	
2	.97	788698		45.69996	
3	1.16	204816		11.86777	
4	1.29	35792		2.07390	
5	1.38	62264		3.60780	
6	1.57	4499		.26067	
7	1.68	10027		.58099	
8	1.76	5717		33126	
9	1.98	4715		.27321	
10	2.05	7396		.42856	
11	2.22	5089		.29487	
12	2.55	1140		.06607	
13	2.65	1800		.10433	
14	2.80	6302		.36518	
15	3.00	2346		.13592	
16	3.11	1306		.07570	
17	3.21	4623		.26785	
18	3.56	15031		.87096	
19	3.79	2704		.15667	
20	3.96	1319		.07644	
21	4.14	1187		.06878	
22	4.30	3324		.19263	
23	8.48	168182		0.00000	
24	9.16	30148		0.00000	
25	9.60	39249		0.00000	
26	10.68	15100		0.00000	
27	14.21	4764		0.00000	
28	22.96	3424		0.00000	
29	23.45	194907		0.00000	DBC (SURR)
Totals:		0		0.00000	ug/mL

Report Time: Thu Mar 19, 1992 4:05:08 pm

Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT



C

Result File : /HP#10/HP10_031992CC003.RES Page 1
Sample Name : 05-0554.1.1,METHOD BLANK
DB-608 MEGABORE: 150-2-5-280-3: 2uL INJ.
Peak Processor : Genie Multilevel : False
Instrument : HP#10
Calculation : ExternalSTD Quantitation: AreaUnits
Dilution : 100
Run Time : 30.00 Minutes
Injection time : Fri Mar 20, 1992 2:26:48 am
Run Status : RunStatusOK
EndOffBaseline
NoReference
SpecialInteg

Pk #	RT	Area	Group	% AREA	Name
1	3.26	1802799		.11095	
2	8.37	1722		.00023	
3	11.91	253799		.01562	
4	12.27	3823		.00024	
5	12.60	15800		.00097	
6	13.28	35713		.00220	
7	13.67	45700		.00281	
8	14.94	20526		00126	
9	18.53	9744		.00060	
10	18.88	3661		.00023	
11	22.89	548039		0.00000	DBC (SURR)
Totals:		0		0.00000	% AREA

Report Time: Fri Mar 20, 1992 9:04:41 am
Method: /DATA/LOOP/METHOD/HP10_PCB.MTH
Format File: /DATA/LOOP/FORMAT/SIDE.FMT

PCB/PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE No.

MW-25 MS

Lab Name: Galson Laboratories

Lab Task Number : 3-7505

Matrix: (soil/water) WATER

Sample wt/vol: 950 mL

Level : (low/med) LOW

% Moisture: 0

Extraction: (SepF/Cont/Sonc) SEPF

GPC Cleanup: (Y/N) N pH: 7

Lab Sample ID: 7505-002

Lab File ID: HP7A_031992CC018

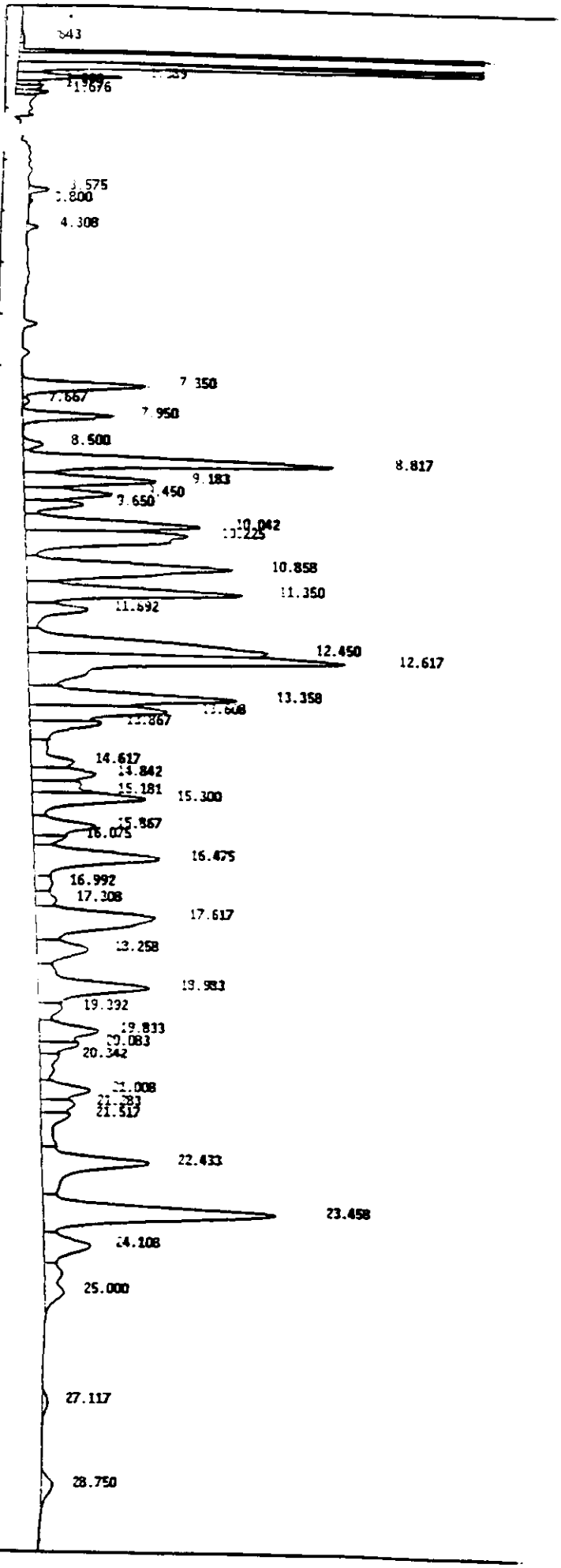
Date Received: Mar 18, 1992

Date Extracted:Mar 19, 1992

Date Analyzed: Mar 19, 1992 18:36

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
12674-11-2	Aroclor-1016	0.26	U
11104-28-2	Aroclor-1221	0.26	U
11141-16-5	Aroclor-1232	0.26	U
53469-21-9	Aroclor-1242	0.26	U
12672-29-6	Aroclor-1248	3.0	
11097-69-1	Aroclor-1254	0.26	U
11096-82-5	Aroclor-1260	1.1	



Result File : /HP7A/HP7A_031992CC01B.RES

Page 1

Sample Name : 7505-002.1.1.MATRIX SPIKE

HP7A; DB5; 150-0-20-190-0-3-250-8; 2uL INJ; ATTN 2^4

Peak Processor : Genie Multilevel . False

Instrument : HP7A

Calculation : Zero Quantitation: Areaunits

Dilution : 100

Run Time : 30.00 Minutes

Injection time : Thu Mar 19, 1992 6:36:37 pm

Run Status : RunStatusOK
EndOffBaseline
SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.64	2809		.06197	
2	.88	65404		1.44313	
3	.98	657836		14.51504	
4	1.16	188439		4.15788	
5	1.39	25788		.56902	
6	1.51	4734		.10445	
7	1.58	5796		.12789	
8	1.68	7440		.16416	
9	3.57	5299		0.00000	
10	3.80	1070		0.00000	
11	4.31	2787		0.00000	
12	7.35	55956		0.00000	
13	7.67	2586		0.00000	
14	7.95	33390		0.00000	
15	8.50	8079		0.00000	
16	8.82	162994		0.00000	AR1248 #1
17	9.18	64481		0.00000	
18	9.45	43901		0.00000	
19	9.65	27414		0.00000	
20	10.04	94020		0.00000	AR1248 #2
21	10.23	130894		0.00000	AR1248 #3
22	10.86	150015		0.00000	
23	11.35	125952		0.00000	
24	11.69	40017		0.00000	
25	12.45	177704		0.00000	AR1248 #4
26	12.62	222582		0.00000	
27	13.36	131681		0.00000	AR1248 #6
28	13.61	84143		0.00000	
29	13.87	42941		0.00000	AR1248 #8
30	14.62	37990		0.00000	
31	14.84	37703		0.00000	
32	15.18	30607		0.00000	
33	15.30	72928		0.00000	
34	15.87	45440		0.00000	
35	16.08	14225		0.00000	
36	16.47	103723		0.00000	AR1260 #1
37	16.99	14520		0.00000	
38	17.31	14871		0.00000	
39	17.62	130997		0.00000	AR1260 #2
40	18.26	45987		0.00000	AR1260 #3
41	18.98	99560		0.00000	AR1260 #4

42	19.39	18608	0.00000	
43	19.83	46560	0.00000	
44	20.08	21393	0.00000	
45	20.34	21134	0.00000	
46	21.01	35507	0.00000	AR1260 #5
47	21.28	24108	0.00000	AR1260 #6
48	21.52	30270	0.00000	AR1260 #7
49	22.43	112126	0.00000	
50	23.46	203100	0.00000	DBC (SURR)
51	24.11	46611	0.00000	
52	25.00	35204	0.00000	
53	27.12	5337	0.00000	
54	28.75	13748	0.00000	
Totals:		0	0.00000	ug/mL

Report Time: Thu Mar 19, 1992 7:26:30 pm
Method: /DATA/LOOP/METHOD/RP7A_PCB.MTH
Format File: /DATA/LOOP/FORMAT/SIDE.FMT

PCB/PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE No.

MW-25 MSD

Lab Name: Galson Laboratories

Lab Task Number : 3-7505

Matrix: (soil/water) WATER

Sample wt/vol: 950 mL

Level : (low/med) LOW

% Moisture: 0

Extraction: (SepF/Cont/Sonc) SEPF

GPC Cleanup: (Y/N) N pH: 7

Lab Sample ID: 7505-003

Lab File ID: HP7A_031992CC019

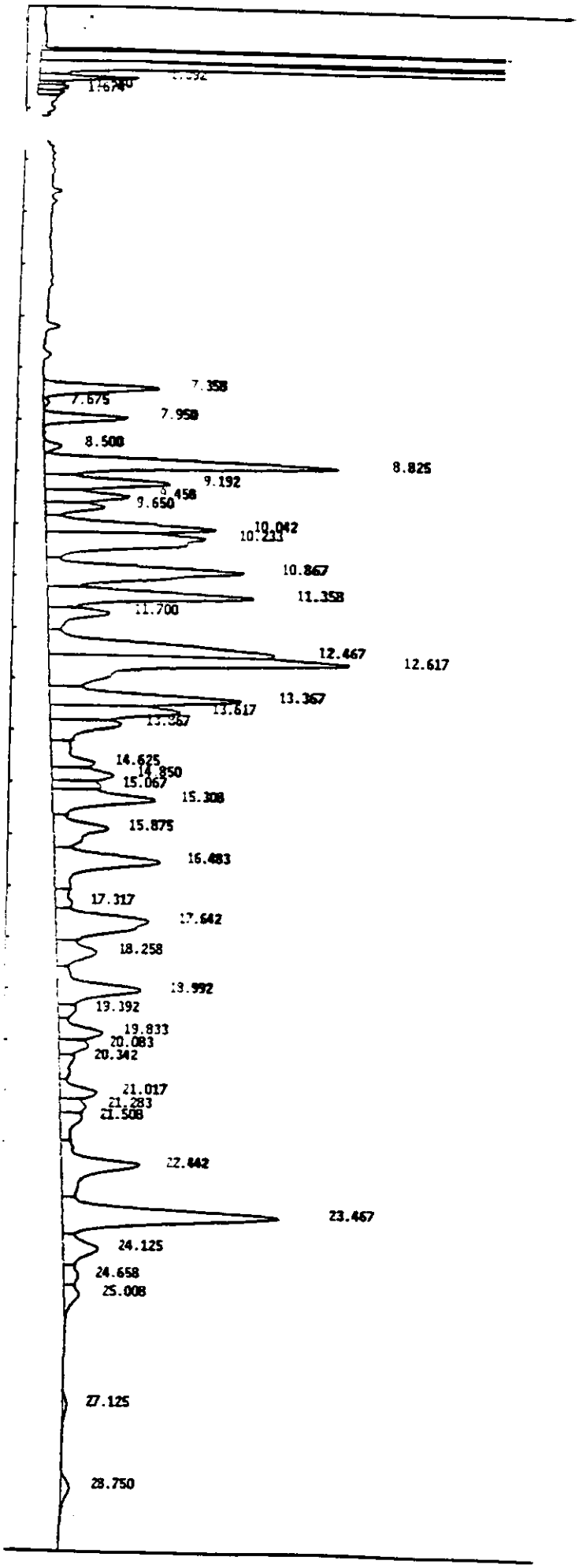
Date Received: Mar 18, 1992

Date Extracted:Mar 19, 1992

Date Analyzed: Mar 19, 1992 19:09

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
12674-11-2	Aroclor-1016	0.26	U
11104-28-2	Aroclor-1221	0.26	U
11141-16-5	Aroclor-1232	0.26	U
53469-21-9	Aroclor-1242	0.26	U
12672-29-6	Aroclor-1248	2.9	
11097-69-1	Aroclor-1254	0.26	U
11096-82-5	Aroclor-1260	0.91	



Result File : /HP7A/HP7A_031992CC019.RES

Page 1

Sample Name : 7505-003.1.1.MATRIX SPIKE DUPLICATE

HP7A; DB5; 150-0-20-190-0-3-250-8; 2uL INJ; ATTN 2^4

Peak Processor : Genie Multilevel : False

Instrument : HP7A

Calculation : Zero Quantitation: AreaUnits

Dilution : 100

Run Time : 30.00 Minutes

Injection time : Thu Mar 19, 1992 7:09:57 pm

Run Status : RunStatusOK
EndOffBaseline
SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.87	96134		2.23962	
2	.98	806617		18.79164	
3	1.17	213719		4.97898	
4	1.39	22917		.53390	
5	1.58	7260		.16914	
6	1.67	6207		.14461	
7	7.36	53539		0.00000	
8	7.68	2097		0.00000	
9	7.95	30979		0.00000	
10	8.50	6865		0.00000	
11	8.83	157771		0.00000	AR1248 #1
12	9.19	62045		0.00000	
13	9.46	42842		0.00000	
14	9.65	28403		0.00000	
15	10.04	88701		0.00000	AR1248 #2
16	10.23	138166		0.00000	AR1248 #3
17	10.87	152832		0.00000	
18	11.36	125044		0.00000	
19	11.70	40639		0.00000	
20	12.47	166505		0.00000	AR1248 #4
21	12.62	226883		0.00000	
22	13.37	121479		0.00000	AR1248 #6
23	13.62	85650		0.00000	
24	13.87	50851		0.00000	AR1248 #8
25	14.63	38683		0.00000	
26	14.85	38277		0.00000	
27	15.07	21867		0.00000	
28	15.31	77926		0.00000	
29	15.88	54318		0.00000	
30	16.48	100628		0.00000	AR1260 #1
31	17.32	14899		0.00000	
32	17.64	104831		0.00000	AR1260 #2
33	18.26	39621		0.00000	AR1260 #3
34	18.99	76737		0.00000	AR1260 #4
35	19.39	11781		0.00000	
36	19.83	32621		0.00000	
37	20.08	20248		0.00000	
38	20.34	15401		0.00000	
39	21.02	25515		0.00000	AR1260 #5
40	21.28	17609		0.00000	AR1260 #6
41	21.51	22832		0.00000	AR1260 #7

		Area	Group	ug/mL	Name
42	22.44	93213		0.00000	
43	23.47	192949		0.00000	DBC (SURR)
44	24.13	37728		0.00000	
45	24.66	14189		0.00000	
46	25.01	15676		0.00000	
47	27.13	4087		0.00000	
48	28.75	10052		0.00000	
Totals:		0		0.00000	ug/mL

Report Time: Thu Mar 19, 1992 7:51:44 pm
Method: /DATA/LOOP/METHOD/WP7A_PCB.MTH
Format File: /DATA/LOOP/FORMAT/SIDE.FMT

PCB/PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE No.

BLANK SPIKE

Lab Name: Galson Laboratories

Lab Task Number : 3-7505

Matrix: (soil/water) WATER

Lab Sample ID: Q5-0554BS

Sample wt/vol: 1000 mL

Lab File ID: HP7A_031992CC013

Level : (low/med) LOW

Date Received:

% Moisture: 0

Date Extracted:Mar 19, 1992

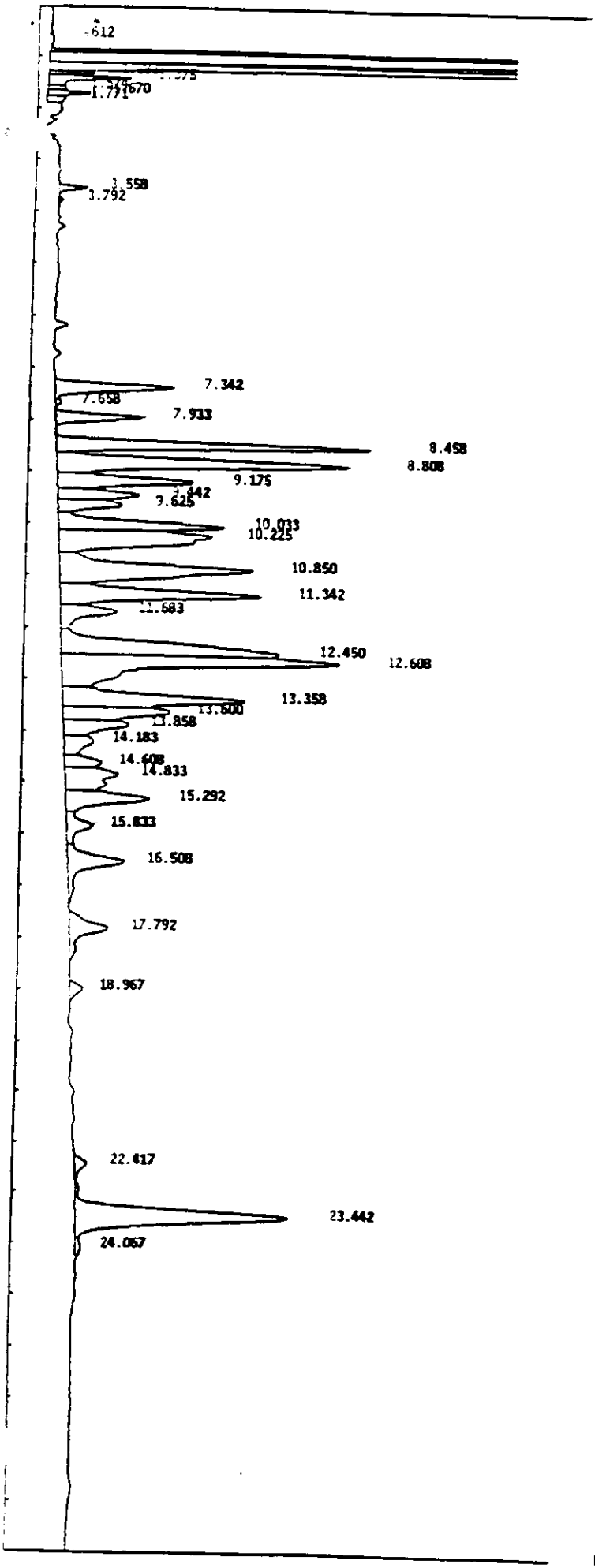
Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: Mar 19, 1992 15:49

GPC Cleanup: (Y/N) N pH: 7

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
11141-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	2.5	
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U



Result File : /HP7A/HP7A_031992CC013.RES

Page 1

Sample Name : 05-055485.1.1.BLANK SPIKE

HP7A; DB5; 150-0-20-190-0-3-250-8; 2uL INJ; ATTN 2^4

Peak Processor : Genie Multilevel : False

Instrument : HP7A

Calculation : Zero Quantitation: AreaUnits

Dilution : 100

Run Time : 30.00 Minutes

Injection time : Thu Mar 19, 1992 3:49:45 pm

Run Status : RunStatusOK
EndOffBaseline
SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.61	2788		.08363	
2	.87	66868		2.00584	
3	.97	652599		19.57594	
4	1.16	195662		5.86925	
5	1.28	8168		.24501	
6	1.38	21792		.65368	
7	1.57	3938		.11814	
8	1.67	9042		.27123	
9	1.77	6413		.19236	
10	3.56	6206		0.00000	
11	3.79	866		0.00000	
12	7.34	53053		0.00000	
13	7.66	2070		0.00000	
14	7.93	31154		0.00000	
15	8.46	125962		0.00000	
16	8.81	153805		0.00000	AR1248 #1
17	9.17	68620		0.00000	
18	9.44	38843		0.00000	
19	9.63	31763		0.00000	
20	10.03	80230		0.00000	AR1248 #2
21	10.23	127695		0.00000	AR1248 #3
22	10.85	151398		0.00000	
23	11.34	114986		0.00000	
24	11.68	36675		0.00000	
25	12.45	148876		0.00000	AR1248 #4
26	12.61	207518		0.00000	AR1248 #5
27	13.36	116065		0.00000	AR1248 #6
28	13.60	62038		0.00000	AR1248 #7
29	13.86	40487		0.00000	AR1248 #8
30	14.18	24920		0.00000	
31	14.61	21189		0.00000	
32	14.83	51638		0.00000	
33	15.29	54276		0.00000	
34	15.83	22327		0.00000	
35	16.51	49384		0.00000	
36	17.79	35883		0.00000	
37	18.97	8245		0.00000	
38	22.42	10937		0.00000	
39	23.44	176129		0.00000	DBC (SURR)
40	24.07	4365		0.00000	
Totals:		0		0.00000	ug/mL

Report Time: Thu Mar 19, 1992 5:09:10 pm

Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT

024

PCB/PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE No.

CHECK SAMPLE

Lab Name: Galson Laboratories

Lab Task Number : 3-7505

Matrix: (soil/water) WATER

Sample wt/vol: 1000 mL

Level : (low/med) LOW

% Moisture: 0

Extraction: (SepF/Cont/Sonc) SEPF

GPC Cleanup: (Y/N) N pH: 7

Lab Sample ID: Q5-0554CS

Lab File ID: HP7A_031992CC014

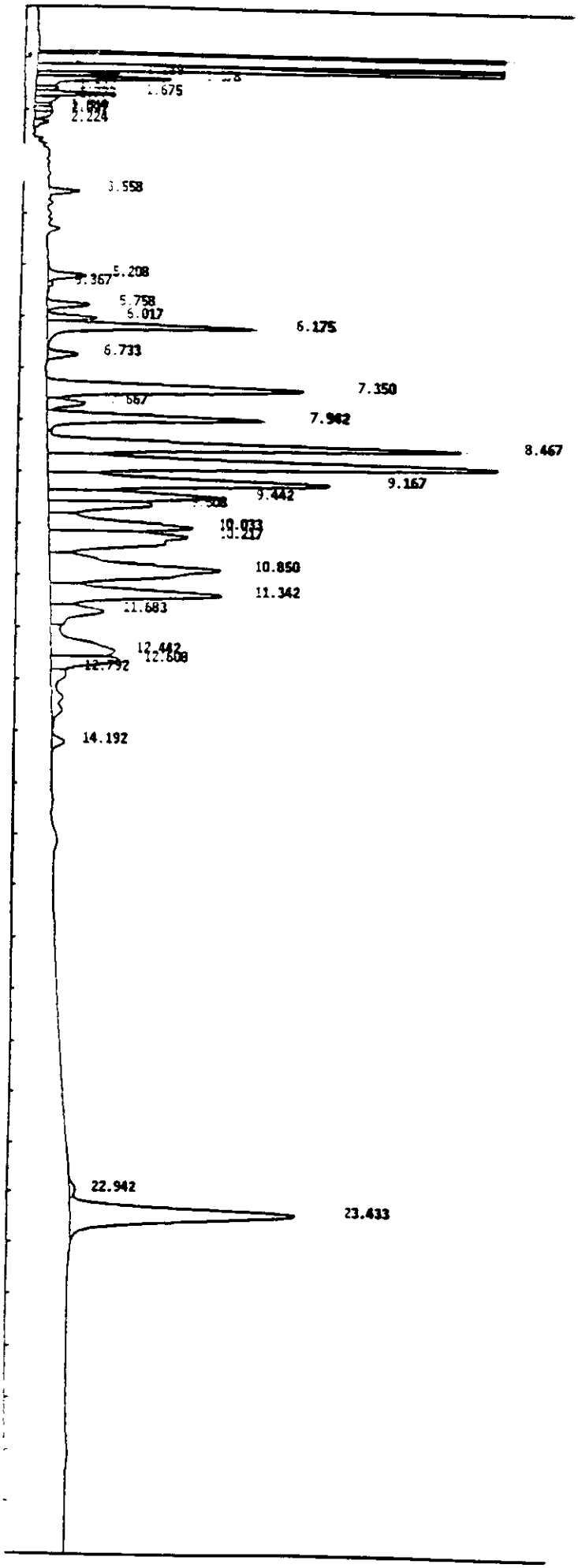
Date Received:

Date Extracted:Mar 19, 1992

Date Analyzed: Mar 19, 1992 16:23

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
12674-11-2	Aroclor-1016	2.2	
11104-28-2	Aroclor-1221	0.25	U
11141-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U



Result File : /HP7A/HP7A_031992CC014.RES

Sample Name : 05-0554CS.1.1.CHECK SAMPLE

HP7A: DB5; 150-0-20-190-0-3-250-8; 2uL INJ; ATTN 2^4

Peak Processor : Genie Multilevel : False

Instrument : HP7A

Calculation : Zero Quantitation: AreaUnits

Dilution : 100

Run Time : 30.00 Minutes

Injection time : Thu Mar 19, 1992 4:23:07 pm

Run Status : RunStatusOK

SpecialInteg

Pk #	RT	Area	Group	ug/mL	Name
1	.87	60835		1.89958	
2	.98	721789		22.53789	
3	1.16	192222		6.00214	
4	1.29	14609		.45616	
5	1.38	32515		1.01529	
6	1.58	4251		.13274	
7	1.68	14933		.46630	
8	1.77	6729		.21012	
9	1.98	3134		.09785	
10	2.04	6370		.19890	
11	2.22	3882		.12123	
12	3.56	6658		0.00000	
13	5.21	11049		0.00000	
14	5.37	1773		0.00000	
15	5.76	12437		0.00000	
16	6.02	13460		0.00000	
17	6.18	70773		0.00000	AR1016 #1
18	6.73	9096		0.00000	
19	7.35	129973		0.00000	AR1016 #2
20	7.67	15470		0.00000	
21	7.94	86762		0.00000	
22	8.47	181230		0.00000	
23	8.81	242131		0.00000	AR1016 #3
24	9.17	141639		0.00000	AR1016 #4
25	9.44	80391		0.00000	AR1016 #5
26	9.61	49861		0.00000	
27	10.03	81098		0.00000	AR1016 #6
28	10.22	115529		0.00000	AR1016 #7
29	10.85	155053		0.00000	
30	11.34	102734		0.00000	
31	11.68	34419		0.00000	
32	12.44	55606		0.00000	
33	12.61	34772		0.00000	
34	12.79	24497		0.00000	
35	14.19	6126		0.00000	
36	22.94	4147		0.00000	
37	23.43	190277		0.00000	DBC (SURR)
Totals:		0		0.00000	ug/mL

Report Time: Thu Mar 19, 1992 5:10:58 pm

Method: /DATA/LOOP/METHOD/HP7A_PCB.MTH

Format File: /DATA/LOOP/FORMAT/SIDE.FMT

GALSON LABORATORIES
GC EXTRACTION LOG (1332)

Q.C. BATCH # : Q5-0534.ELr

	START	FINISH
~~CONTINUOUS~~		
~~SOXHLET~~		
(SEPARATORY FUNNEL) ~~SONICATION~~ ~~SHAKER~~		

EXTRACTION METHOD : 3510 EL FEB
MATRIX : WATER
EXTRACTION SOLVENT : MeCl2 (BB789)
FINAL SOLVENT : Hexane (BB 391)

CLIENT	TASK #	GTS #	INIT. pH	INITIAL WT/VOL	SPK'D INIT.	FINAL VOL	CLEANUP DILUTION	FURTHER CLEANUP
Northeastern	7505	001	7.0	960ml	PL	5.0ml	1-D1	H2SO4
Analytical corp	↓	004	7.0	900 ml	PL	"	"	"
(BS)								(PL)
(BLANK)			7.0	1000ml	PL/PL	5.0ml	1-D1	H2SO4
(MS) /BS	7505		7.0	1000ml	PL			
(MSD) / BSD	↓	002	7.0	950 ml	PL/PL			
(CHK. STD.)	ARC 027	003	7.0	950 ml	PL/PL			
			7.0	1000ml	DL/PL	↓	↓	↓

SURROGATE STANDARD # : Sur 0105 (DBC 1ug/ml)
MATRIX SPIKE STANDARD # : ARC 037 (PCL 1248 5ug/ml)
VOLUME : 500ul
VOLUME : 5ml

EXTRACTION	[signature]	
CONCENTRATION	[signature]	DATE 3-19-92
CLEANUP	[signature]	DATE 3-19-92
EXTRACTS REC'D	[signature]	DATE 3-19-92
		DATE 3-19-92

Q.C. BATCH # : Q5-0554.EG

GTS #	CLIENT ID #	COMMENTS
75705 -001		cloudy tan color
" 004	Field BLANK	clear No color
BS		USED @ 1.0 l milli-Q H_2O
BLANK		" " " " "
MS / BS		cloudy tan color
MSD/ BSD		" " "
CHK. STD.		USED 60 ml check STD. (HRC 0257 5.0 mg/ml)

SAMPLE CALCULATION

$$\frac{A(s)}{A(std)} * C(std) * FV * D = \text{Total ug}$$

$$\frac{\text{Total ug}}{X(ini)} = C(s)$$

A(s)	= area of peak(s) in sample	
A(std)	= area of peak(s) in standard	
C(std)	= concetration in standard	(ug/mL)
FV	= final volume of extract	(mL)
D	= dilution factor	
X(ini)	= initial amount of sample:	(L) for water (Kg) dry wt for soil
C(s)	= concentration in sample	(ug/L) or (ug/Kg)