U.S. Environmental Protection Agency Region V

Superfund Document Management System (SDMS)

Lab Data Reference Sheet

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DATASET SF5541

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CHICAGO, ILLINOIS

DATE: 11 OCT 1988

SUBJECT: **Review of Region 5 data for** Josten's Inc

FROM: **Curtis Ross, Director**
Region 5 Central Regional Laboratory J Thomas for

To: **Data User:**

Attached are the results for:

CRL Data Set Numbers: SF 5541
Sample Numbers: 88Fm30R02 - 88Fm30D24 (8)
Parameter(s): PCB / Pesticide in Water
Laboratory: CRL (Weston)

Results Status:

(X) **DATA ACCEPTABLE FOR USE***
( ) **DATA QUALIFIED AS TO USE**
( ) **DATA UNACCEPTABLE FOR USE**

* For data acceptability requirements, refer to the method capability statement for the methods referenced.

Comments by the Quality Control Coordinator:

If there are any questions regarding the data, refer them to Steve Parker, the Quality Control Coordinator, at 353-3805.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
(5SCRL)

S Griffin

U.S. EPA REGIONAL LAB

RECEIVED BY/DATE:
Comments:

cc: **Contractor's Reprentative**

Filed by/date:

DATA SET	SITE	DU/ACT.
SF 5541	Josten's Inc.	C76100/y905

SAMPLES	PARAMETER(S)
88Fm30R02-88Fm30D24 (8)	PCB's / Pesticides in water

SAMPLED	RECEIVED	DUE	LAB
9/20/88	9/21/88	10/12/88	CRL (Weston)

SHIPPED	DATA RECEIVED	CONTRACT

TEAM LEADER	SECTION CHIEF	QC COORD	DATA COORD
	[signature]	R. Johnson	[signature]

Comments By Reviewer:

See attached.

DATA MANAGEMENT COORDINATOR

RECEIVED **TRANSMITTED**

CLERICAL SUPPORT

RECEIVED **COMPLETED**

( ) REVIEWED (X) UNREVIEWED **TEAM LEADER/DATE** M. Frye/10/5/88

(X) REVIEWED ( ) UNREVIEWED **SECTION CHIEF/DATE** [signature] 10/10/88

(X) REVIEWED ( ) UNREVIEWED **QC COORDINATOR/DATE** [signature] 10/5/88

REVIEWED BY CONTRACT COORDINATOR/DATE

RECEIVED 10-11-88 **TRANSMITTED** 10-11-88 **DATA MANAGEMENT COORDINATOR** Sylvia Suffin

CC: QUALITY CONTROL COORDINATOR

ENVIRONMENTAL PROTECTION AGENCY, REGION V BASIC FORM

DIVISION/BRANCH: Superfund fit Sampling Date: 9/20/88 Arrival Date: 9/21/88 Analysis Due Date: 10/21/88

Sample#/

D.U. Number: 4905 Group# Activity#: C76100 Study: Joskin's Inc

ALL UNITS ARE MICROGRAMS PER LITER OR MILLIGRAMS PER KILOGRAM. Sample type: Water

DATASET SF5541

Pesticide / Sample #	γ-BHC Lindane	Heptachlor	Aldrin	Heptachlor Epoxide	Endosulfan I	Dieldrin	Endrin	Endosulfan II	pp-DDE	Beta-BHC	Delta-BHC	Alpha-BHC	pp-DDD	pp-DDT	Methoxychlor	Endosulfan Sulfate	Endrin Aldehyde	Endrin Ketone	T-Chlordane	Toxaphene
1. 88Fm30R02	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u		
2. 88Fm30S23	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u		
3. 88Fm30S24	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u		
4. 88Fm30S25	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u		
5. 88Fm30S26	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u		
6. 88Fm30S27	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u		
7. 88Fm30S28	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u		
8. 88Fm30D24	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u	1.0u		
9.																				
10.																				
11.																				
12.																				

John Osinke 10-3-88

"# #.# U" = Analyte not present above the MDL (# # . # , water) or the estimated detection limit (# # . # , other matrices)

ENVIRONMENTAL PROTECTION AGENCY, REGION V BASIC DATA FORM:

DIVISION/BRANCH: Superfund FIT Sampling Date: 9/20/88 (Month Day Year) Arrival Date: 9/21/1988 (Month Day Year) Analysis Due Date: 10/12/88 (Month Day Year)

D.U. Number: 9905 Group #: Activity #: C76100 Study: Josten's Inc.

All units are micrograms per liter or milligram per kilograms Sample Type: Water, Sediment, Oil, Sludge

Sample #	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor	Aroclor	Aroclor	Dibuthyl phthalate	Diethyl Hexyl phthalate	
88Fm30R02	1.0U	1.0U	1.0U	1.0U						
88Fm30S23	1.0U	1.0U	1.0U	1.0U						
88Fm30S24	1.0U	1.0U	1.0U	1.0U						
88Fm30S25	1.0U	1.0U	1.0U	1.0U						
88Fm30S26	1.0U	1.0U	1.0U	1.0U						
88Fm30S27	1.0U	1.0U	1.0U	1.0U						
88Fm30S28	1.0U	1.0U	1.0U	1.0U						
88Fm30D24	1.0U	1.0U	1.0U	1.0U						

L. Johnson 11-10-88

"# #.# U" = Analyte not present above the MDL (# # . # , water) or the estimated detection limit (# # . # , other Matrices).

DATASET SF5541

DATASET SF5541

To: Frank Thomas
From: John Vasinko John Vasinko 10-5-88
Date: 10-3-88
Re: Dataset SF 5541

Eight water samples (88FM30R02-88FM30D24) were received in custody and in good condition on 9-21-88 for PCB/pesticide analysis by EPA method 608. A summary of the results are as follows:

1) Method Blank - The method blank had no detectable amount of pesticide or PCB. There was an unknown peak in the method blank at a retention time of 3.12 minutes on the quantitation column.

2) Field Blank - The field blank (88FM30R02) had no detectable amount of pesticide or PCB. There was an unknown peak in this sample with a retention time of 3.77 minutes on the quantitation column.

3) Surrogate Recovery - All surrogate recoveries were below the Q.C. limits due to a possible spiking problem.

4) Pesticide Matrix Spike/Matrix Spike Duplicate (sample 88FM30S23) - All pesticide spike/spike duplicate recoveries were within Q.C. limits with the exception of dibutylchlorendate which reports a high (222.0%) percent recovery in the spike duplicate sample. This high value may be due to a co-elution of an unknown peak in this sample only.

5) PCB Matrix Spike/Spike Matrix Duplicate (sample 88FM30S23) - The recovery of the PCB spike is within Q.C. limits. The PCB spike duplicate results could not be reported due to an instrument malfunction.

6) Sample Results - No pesticides or PCB's were detected in any of the samples.

7) Field Duplicates - No pesticides or PCB's were detcted in the sample (88FM30S24) or it's field duplicate (88FM30D24). However, the sample (88FM30S24) reports unknown peaks at retention times of 6.64, 8.80 and 15.33 minutes. These peaks were not in the field duplicate.

8) Additional Problems - It should be pointed out that there was a repeating sinusoidal baseline noise on the quantitation column detector for all analysis in this dateset. Also, as mentioned above, no results reported for the PCB spike duplicate run due to an instrument malfunction.

DATASET SF5541

ROY F. WESTON, INC.
C/O ESAT Project
Room 962
536 South Clark Street
Chicago IL 60605
(312)-353-2895

DATASET CUSTODY TRANSFER FORM

All analytical testing was completed on 9-26, 1988 for the dataset described below:

DATASET NO: SF5541 **TASK NO:** 1858

STUDY (SITE): JOSTEN INC **SF DU/ACT NO:** Y905 /C 76100

SAMPLE NUMBERS:

88FM30 R02	88FM30 S26
88FM30 S23	88FM30 S27
88FM30 S24	88FM30 S28
88FM30 S25	88FM30 D24

PARAMETER: PCB's & pesticides **MATRIX:** Water

(ATTACH A SEPARATE SAMPLE SHEET IF NECESSARY)

The subject dataset was transferred to the custody of the U.S. EPA Region V Central Regional Laboratory in its entirety on the date indicated below.

SIGNED: [signature] **DATE:** 10/5/88
(Weston/ESAT)

SIGNED: Gilbert Frye **DATE:** 10-5-88
(EPA/CRL)

DOC.NO.: ESAT-05-0003-FORM ANALYST: J. VASINKO
REVISION NO.: 02 (08/30/88) FILE LOCATION NUMBER: 5.6.1

DATASET SF5541

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: PESTICIDES AND PCB'S

DIVISION/BRANCH SUPERFUND FIT SAMPLE DATE 9/20/88 LAB ARRIVAL DATE 9/21/88 DUE DATE 10/12/88

DU NUMBER 4905 C76100 DATA SET NUMBER 5541 STUDY Justen's Inc PRIORITY N CONTRACTOR CRL

CRL LOG NUMBER	SAMPLE DESCRIPTION Sample#	TMO#	WATER TRIHALOMETHANES UG/L PES17414	WATER POLYCHLORINATED BIPHENYLS UG/L PES 17144	WATER CHLORINATED PESTICIDES UG/L PES 17134	WATER HERBICIDES UG/L PES 17424	WATER OIL AND GREASE MG/L PES 17439
88FM30B02	Blank	5-155650		✓	✓		
88FM30523	BW1	5-155641,42,43		✓	✓		
88FM30524	BW2	5-155657		✓	✓		
88FM30525	BW3	5-155671		✓	✓		
88FM30526	BW4	5-155678		✓	✓		
88FM30527	BW5	5-155685		✓	✓		
88FM30528	BW6	5-155692		✓	✓		
88FM30D24	duplicate	5-155664		✓	✓		

DATASET SF5541

PCB/PEST EXTRACTION

DATA SET(S): SF5541 DATE EXTRACTED: 9/21/88
SAMPLE TYPE(S): Water DATE CONCENTRATED: 9/22/88
EXTRACTION SYSTEM Seperatory Funnel DATE COMPLETED: 10/1/88
SOLVENT SYSTEM Methylene Chloride VOLUMES USED — NA —

SAMPLE #	SAMPLE AMOUNT	CONC. EXTRACT	DILUTIONS 1ST	2ND	3RD	FINAL VOL	INSTDS MRX/OTHER
Method BLK	1000ml					10.0ml	pH 6
88FM30523 PCB Spike	970ml					10.0ml	
88FM30523 PCB SPK Dup	970ml					10.0ml	
88FM30523 Pest Spike	970ml					10.0ml	
88FM30523 Pest SPK Dup	1000ml					10.0ml	
88FM30R02	1000ml					10.0ml	
D24	970ml					10.0ml	
S23	960ml					10.0ml	
S24	950ml					10.0ml	
S25	800ml					10.0ml	
S26	930ml					10.0ml	
S27	1000ml					10.0ml	
S28	900ml					10.0ml	

: PREPARATION DATE : VOLUME

MATRIX SPIKE SOLUTION: PCB SPK (1242) was added to PCB SPK Dup : 1ml (3.0 µg/ml)
SURROGATES: Dibutyl Chlorendate was added to all samples : 1ml (0.70 µg/ml)

PREP. CHEMIST W.F. K.B. ANALYST J.V. W.F.

1ml of Pest working spike was added to Pest SPK + Pest SPK Dup

DATASET SF5541

	SAMPLE NAME	METHOD NAME	DATA FILE	AMOUNT INJECTED	INT.STD. AMOUNT	DILUTION FACTOR	SAMPLE WEIGHT
1	Endrin	A:LINDA		5.0000	1.0000	1.00	1.000
2	DDT	A:LINDA		5.0000	1.0000	1.00	1.000
3	Toxaphene/0.25	A:LINDA		5.0000	1.0000	1.00	1.000
4	Toxaphene/0.5	A:LINDA		5.0000	1.0000	1.00	1.000
5	Toxaphene/0.75	A:LINDA		5.0000	1.0000	1.00	1.000
6	WS-885/2	A:LINDA		5.0000	1.0000	1.00	1.000
7	WS-885/2Dupl	A:LINDA		5.0000	1.0000	1.00	1.000
8	Toxaphene/0.25	A:LINDA		5.0000	1.0000	1.00	1.000
9	Toxaphene/0.5	A:LINDA		5.0000	1.0000	1.00	1.000
10	Toxaphene/0.75	A:LINDA		5.0000	1.0000	1.00	1.000
11	T-Chlordane/0.25	A:LINDA		5.0000	1.0000	1.00	1.000
12	T-Chlordane/0.5	A:LINDA		5.0000	1.0000	1.00	1.000
13	T-Chlordane/0.75	A:LINDA		5.0000	1.0000	1.00	1.000
14	WP-1184	A:LINDA		5.0000	1.0000	1.00	1.000
15	WP-1184/Dupl	A:LINDA		5.0000	1.0000	1.00	1.000
16	T-Chlordane/0.5	A:LINDA		5.0000	1.0000	1.00	1.000
17	A1248/0.25	A:LINDA		5.0000	1.0000	1.00	1.000
18	A1248/0.5	A:LINDA		5.0000	1.0000	1.00	1.000
19	A1248/0.75	A:LINDA		5.0000	1.0000	1.00	1.000
20	PCB Spike	A:LINDA		5.0000	1.0000	1.00	1.000
21	PCB Spike Dupl	A:LINDA		5.0000	1.0000	1.00	1.000
22	WP-185	A:LINDA		5.0000	1.0000	1.00	1.000
23	WP-185/Dupl	A:LINDA		5.0000	1.0000	1.00	1.000
24	A1248/0.5	A:LINDA		5.0000	1.0000	1.00	1.000
25	A1242/0.5	A:LINDA		5.0000	1.0000	1.00	1.000
26	Std A/L	A:LINDA		5.0000	1.0000	1.00	1.000
27	Std A/M	A:LINDA		5.0000	1.0000	1.00	1.000
28	Std A/H	A:LINDA		5.0000	1.0000	1.00	1.000
29	Pest Spike	A:LINDA		5.0000	1.0000	1.00	1.000
30	Pest Spike/Dupl	A:LINDA		5.0000	1.0000	1.00	1.000
31	WP-385	A:LINDA		5.0000	1.0000	1.00	1.000
32	WP-385/Dupl	A:LINDA		5.0000	1.0000	1.00	1.000
33	Std A/M	A:LINDA		5.0000	1.0000	1.00	1.000
34	A1242 Low	XERO		5.0000	1.0000	1.00	1.000
35	A1242 Med	XERO		5.0000	1.0000	1.00	1.000
36	A1242 High	XERO		5.0000	1.0000	1.00	1.000
37	A1248 Low	XERO		5.0000	1.0000	1.00	1.000
38	A1248 Med	XERO		5.0000	1.0000	1.00	1.000
39	A1248 High	XERO		5.0000	1.0000	1.00	1.000
40	Pest B Low	XERO		5.0000	1.0000	1.00	1.000
41	Pest B Med	XERO		5.0000	1.0000	1.00	1.000
42	Pest B High	XERO		5.0000	1.0000	1.00	1.000
43	Pest A Low	XERO		5.0000	1.0000	1.00	1.000
44	Pest A Med	XERO		5.0000	1.0000	1.00	1.000
45	Pest A High	XERO		5.0000	1.0000	1.00	1.000
46	DDT	XERO		5.0000	1.0000	10.00	1.000
47	Endrin	XERO		5.0000	1.0000	10.00	1.000
48	Method Blank	XERO		5.0000	1.0000	10.00	1.000
49	PCB Spike 88FM30S23	XERO		5.0000	1.0000	10.00	0.970
50	PCB Spike/Dupl 88FM30S23	XERO		5.0000	1.0000	10.00	0.970
51	Pest Spike 88FM30S23	XERO		5.0000	1.0000	10.00	0.970
52	Pest Spike/Dupl 88FM30S23	XERO		5.0000	1.0000	10.00	1.000
53	88FM30R02	XERO		5.0000	1.0000	10.00	1.000
54	Pest B Med	XERO		5.0000	1.0000	1.00	1.000
55	88FM30S23	XERO		5.0000	1.0000	10.00	0.960
56	88FM30S24	XERO		5.0000	1.0000	10.00	0.950
57	88FM30S25	XERO		5.0000	1.0000	10.00	0.800
58	88FM30S26	XERO		5.0000	1.0000	10.00	0.930
59	88FM30S27	XERO		5.0000	1.0000	10.00	1.000
60	88FM30S28	XERO		5.0000	1.0000	10.00	0.900
61	88FM30D24	XERO		5.0000	1.0000	10.00	0.970
62	DDT	XERO		5.0000	1.0000	1.00	1.000
63	Endrin	XERO		5.0000	1.0000	1.00	1.000
64	Pest A Med	XERO		5.0000	1.0000	1.00	1.000
65	A1254 Low	XERO		5.0000	1.0000	1.00	1.000
66	A1254 Med	XERO		5.0000	1.0000	1.00	1.000
67	A1254 High	XERO		5.0000	1.0000	1.00	1.000
68	A1260 Low	XERO		5.0000	1.0000	1.00	1.000
69	A1260 Med	XERO		5.0000	1.0000	1.00	1.000
70	A1260 High	XERO		5.0000	1.0000	1.00	1.000

QC DATA

DATE: 10-1-88
DATA SET: SF 5541

DATASET SF5541

BLANK DATA:

CONC. OF AROCLOR (PPB)				CONC. OF PEST (PPB)
1242	1248	1254	1260	
1.0u	1.0u	1.0u	1.0u	1.0u

SPIKE DATA:

	COMPOUND:	CONC. (ug) of PEST/PCB SPIKE ADDED	SPIKE RESULT	SPIKE DUP. RESULT		% RECOVERY SPIKE RECOVERY	SPIKE DUPLICATE RECOVERY
PESTICIDES:	LINDANE	.29	.299	.330		103%	114%
	HEPTACHLOR	.29	.269	.279		93%	96%
	ALDRIN	.29	.261	.270		90%	93%
	ENDOSULFAN-1	.50	.491	.631		98%	126%
	DIELDRIN	1.0	.767	.973		77%	97%
	ENDRIN	1.5	1.89	1.54		126%	103%
	P,P'-DDT	1.52	1.37	2.17		90%	143%
	P,P'-METHOXYCHLOR	1.5	1.44	2.20		96%	147%
	DIBUTYL CHLORENDATE	.50	.741	1.11		148%	222%
PCB:	AROCLOR 1242	3.0	3.02	NR		101%	NR

COMMENTS: NR = Not reported due to instrument malfunction

"# #.# U" = Analyte not present above the MDL (# # . # , water) or the estimated detection limit (# # . # , other Matrices).

8D
PESTICIDE EVALUATION STANDARDS SUMMARY

DATASET SF5541

Lab Name: CRL (Weston/ESAT) Contract: N/A

Lab Code: N/A Case No.: SF5541 SAS No.: N/A SDG No.: N/A

Instrument ID: Tracor GC Column ID: Mixed phase

Dates of Analyses: 9-24-88 to 9-26-88

Evaluation Check for Linearity

PESTICIDE	CALIBRATION FACTOR High ~~* EVAL MIX A~~	CALIBRATION FACTOR Med ~~* EVAL MIX B~~	CALIBRATION FACTOR Low ~~* EVAL MIX C~~	%RSD (</= 10.0%)	
Aldrin	291.5	259.7	195.4	19.7	
Endrin	159.4	137.4	107.9	19.1	
4,4'-DDT	98.9	88.0	70.9	16.4	(1)
DBC	156.5	151.0	179.8	10.5	

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

Evaluation Check for 4,4'-DDT/Endrin Breakdown
(percent breakdown expressed as total degradation)

		DATE ANALYZED	TIME ANALYZED	ENDRIN	4,4'-DDT	COMBINED (2)
	INITIAL					
ψ 01	~~EVAL MIX B~~	9-25-88	15:10	4.27	18.89	
ψ 02	~~EVAL MIX B~~	9-26-88	16:27	2.93	18.49	
03	EVAL MIX B					
04	EVAL MIX B					
05	EVAL MIX B					
06	EVAL MIX B					
07	EVAL MIX B					
08	EVAL MIX B					
09	EVAL MIX B					
10	EVAL MIX B					
11	EVAL MIX B					
12	EVAL MIX B					
13	EVAL MIX B					
14	EVAL MIX B					

(2) See Form instructions.

* used pesticide calibration mixture to calculate calibration factors

ψ = used DDT and Endrin degradation sample

See calculation on reverse

J.U, 9-30-88

FORM VIII PEST-1 8/87 Rev.

Concentrations (Mg/ml)

	H	M	L
Aldrin	.08	.053	.026
Endrin	.195	.13	.065
DDT	.195	.13	.064
DBC	.075	.05	.025

internal standard (Areas)

	H	M	L
Aldrin	488675	507638	505196
Endrin	488675	507638	505196
DDT	488675	507638	505196
DBC	488675	507638	505196

Area

	H	M	L
Aldrin	1310106	803054	295022
Endrin	1745805	1041951	407247
DDT	1083260	667627	263454
DBC	634023	441636	261125

Concentration internal Standards

8.7 ug/ml

$$RF = \frac{C_{is} \times A_s}{A_{is} \times C_s}$$

Responce factors

	H	M	L
Aldrin	291.5	259.7	195.4
Endrin	159.39	137.4	107.9
DDT	98.9	88.0	70.9
DBC	150.5	151.4	179.8

Areas of DDT, DDD DDE And Endrin, Endrin Ketone, Endrin Aldehyde

1) $100 \times \frac{(DDE + DDD)}{(DDT + DDE + DDD} = \frac{(44710 + 95675)}{(602743 + 44710 + 95675)} \times 100 = 18.89\%$

2) $\frac{(4129 + 138151)}{(626978 + 4129 + 138151)} \times 100 = 18.49$

1) $\frac{(End\ Ald + End\ Ketone)}{Endrin + End\ Ald + End\ Ket)} \times 100 = \frac{(15877 + 38084)}{(1202386 + 15877 + 38084)} \times 100 = 4.29$

$\frac{(24983 + 17501)}{(1405806 + 24983 + 17501)} \times 100 = 2.93$

2E
WATER PESTICIDE SURROGATE RECOVERY

DATASET SF5541

Lab Name: CRL (Weston) Contract: N/A

Lab Code: N/A Case No.: SF5541 SAS No.: N/A SDG No.: N/A

	EPA SAMPLE NO.	S1 (DBC) #	OTHER
01	88Fm30R2	1.18	
02	88Fm30S23	1.0	
03	88Fm30S24	0	
04	88Fm30S25	0	
05	88Fm30S26	0.279	
06	88Fm30S27	0	
07	88Fm30S28	0	
08	88Fm30D24	2.96	
09	Method Blank	0	
10	Pest Spike	148	
11	Pest Spike dup	222	
12			
13			
14			
15			
16			
17			
18			
19			
20			
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25			
26			
27			
28			
29			
30			

ADVISORY QC LIMITS (24-154)

S1 (DBC) = Dibutylchlorendate

Column used to flag recovery values

* Values outside of QC limits

D Surrogates diluted out

FORM II PEST-1

1/87 Rev.

Continuing Calibration

DATASET SF5541

NEW TIMED EVENTS FROM A:1PESTA

***** INTERNAL STANDARD TABLE *****

********** 09-24-1988 13:42:33 Version 4.1 **********

* Sample Name: Pest A Med Data File: A:M\2CLE64 *
* Date: 09-26-1988 16:35:35 Method: A:1PESTA 09-23-1988 09:17:00 # 82 *
* Interface: 0 Cycle#: 64 Operator LIN Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: .1 Area Threshold: 100 *

****

* Instrument Type: TRACOR 540 Column Type: 0-SP2100; 1-Mixed Ph *
* Solvent Description: NITROGEN *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250 *
* Detector 0: ECD Detector 1: ECD *
* Misc. Information: *

****

Starting Delay: 1.80
Area reject: 0
Amount injected: 5.00
Internal Standard Amount: 1
Sample Weight: 1.000000

Ending retention time: 60.00
One sample per 1.002 sec.
Dilution factor: 1.00

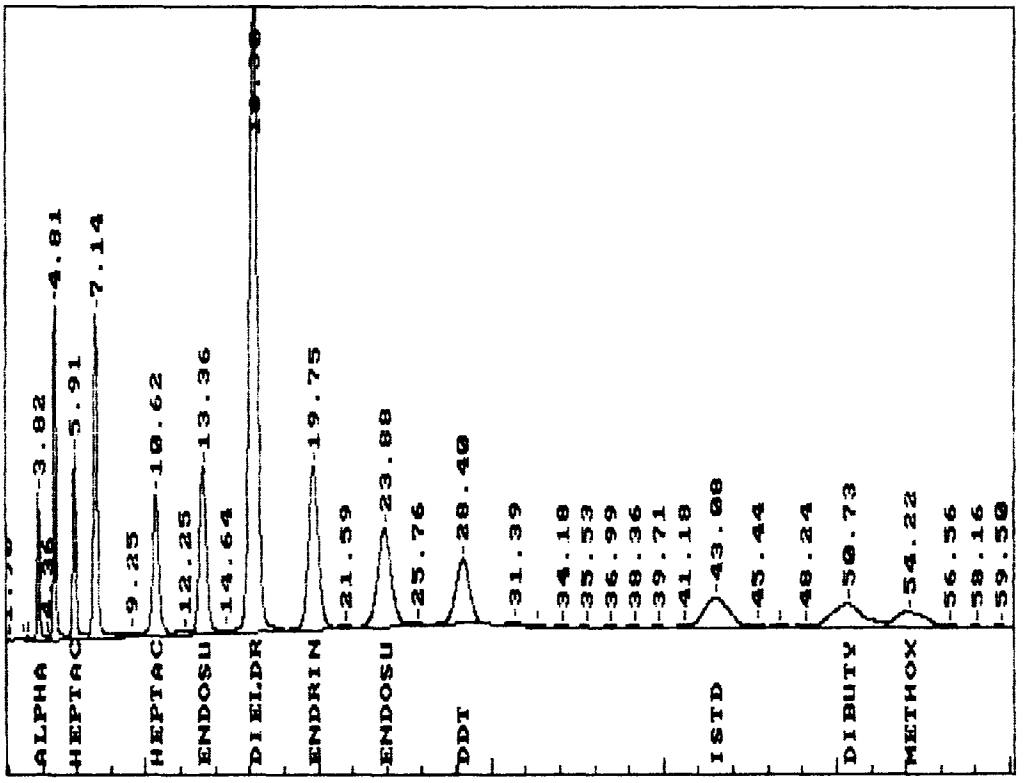
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ~~ng/L~~ ug/ml	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
5	3.82	ALPHA BHC	0.0201	1.9888%	227002	24203	9.4	3	5	29	0	8.8348E-08
7	4.81	LINDANE	0.0447	4.4340%	574663	55256	10.4	2	7	29	0	7.7805E-08
8	5.91	HEPTACHLOR	0.0377	3.7408%	422133	30685	13.8	2	8	29	0	8.9361E-08
9	7.14	ALDRIN	0.0547	5.4227%	822456	53722	15.3	3	9	29	0	6.6486E-08
11	10.62	HEPTACHLOR EPOXIDE	0.0449	4.4516%	589060	23283	25.3	3	11	29	0	7.6207E-08
13	13.36	ENDOSULFAN I	0.0682	6.7617%	782515	27629	28.3	3	13	29	0	8.7135E-08
15	16.30	DIELDRIN	0.1636	16.2244%	3425598	103923	33.0	2	15	29	0	4.7760E-08
16	19.75	ENDRIN	0.1340	13.2860%	1117021	27037	41.3	3	16	29	0	1.1994E-07
18	23.88	ENDOSULFAN II	0.1020	10.1194%	933764	16379	57.0	3	18	29	0	1.0928E-07
20	28.40	DDT	0.1216	12.0581%	624931	10783	58.0	2	20	29	0	1.9457E-07
29	43.08	ISTD	1.0000	0.0000%	501279	4881	102.7	3	29	29	0	1.9949E-06
33	50.73	DIBUTYLCHLOR	0.0559	5.5413%	494525	3848	128.5	2	33	29	0	1.1299E-07
34	54.22	METHOXYCHLOR	0.1611	15.9713%	309540	2491	124.2	3	34	29	0	5.2030E-07

TOTAL AMOUNT = 1.0084

J.V. 9-29-88

DATASET SF5541

Plot of data file: A:M\2CLE64.PTS
Date: 09-24-1988 Time: 13:43:10
Sample Name: Pest A Med
Start Time= 1.82Stop Time = 60.27Min. Scale= 6757Max. Scale= 112128



DATASET SF5541

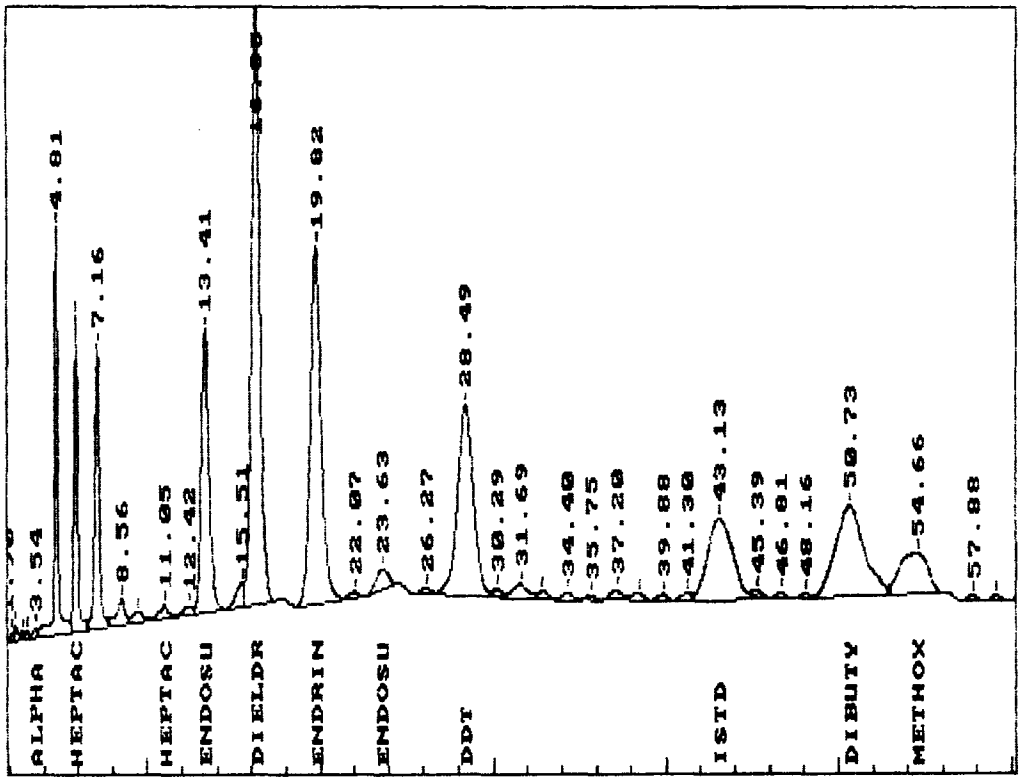
```
******   INTERNAL STANDARD TABLE   ******
******************** 09-24-1988 09:50:46 Version 4.1 **********************
* Sample Name: Pest Spike                          Data File: A:M\2CLE51     *
* Date: 09-26-1988 00:02:51 Method: A:1PESTA 09-23-1988 09:17:00  #  82     *
* Interface: 0   Cycle#:  51   Operator LIN Channel#: 1    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: .1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540            Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                               *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                   *
*             Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                       *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        5.00               Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          0.970000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
6	3.54	ALPHA BHC	0.0531	0.7308%	6470	473	13.7	2	6	31	0	8.2117E-06
7	4.81	LINDANE	0.3084	4.2423%	257800	19289	13.4	2	7	31	0	1.1964E-06
8	5.92	HEPTACHLOR	0.2776	3.8177%	214184	14965	14.3	2	8	31	0	1.2959E-06
9	7.16	ALDRIN	0.2692	3.7025%	233118	13373	17.4	2	9	31	0	1.1547E-06
12	11.05	HEPTACHLOR EPOXIDE	0.0758	1.0431%	22456	681	33.0	2	12	31	0	3.3772E-06
14	13.41	ENDOSULFAN I	0.5063	6.9640%	404510	13362	30.3	2	14	31	0	1.2517E-06
16	16.35	DIELDRIN	0.7906	10.8745%	947986	28349	33.4	2	16	31	0	8.3400E-07
17	19.82	ENDRIN	1.1949	16.4358%	728934	16914	43.1	2	17	31	0	1.6393E-06
19	23.63	ENDOSULFAN II	0.1303	1.7929%	48327	996	48.5	1	19	31	0	2.6972E-06
21	28.49	DDT	1.4178	19.5014%	574346	9051	63.5	3	21	31	0	2.4686E-06
31	43.13	ISTD	1.0000	0.0000%	395326	3848	102.7	3	31	31	0	2.5296E-06
35	50.73	DIBUTYLCHLOR	0.7639	10.5077%	502471	4300	116.9	2	35	31	0	1.5204E-06
36	54.66	METHOXYCHLOR	1.4822	20.3873%	215973	1908	113.2	2	36	31	0	6.8630E-06

TOTAL AMOUNT = 7.2703

DATASET SF5541

Plot of data file: A:M\2CLE51.PTS
Date: 09-24-1988 Time: 09:51:28
Sample Name: Pest Spike
Start Time= 1.82Stop Time = 60.27Min. Scale= 7131Max. Scale= 37263



DATASET SF5541

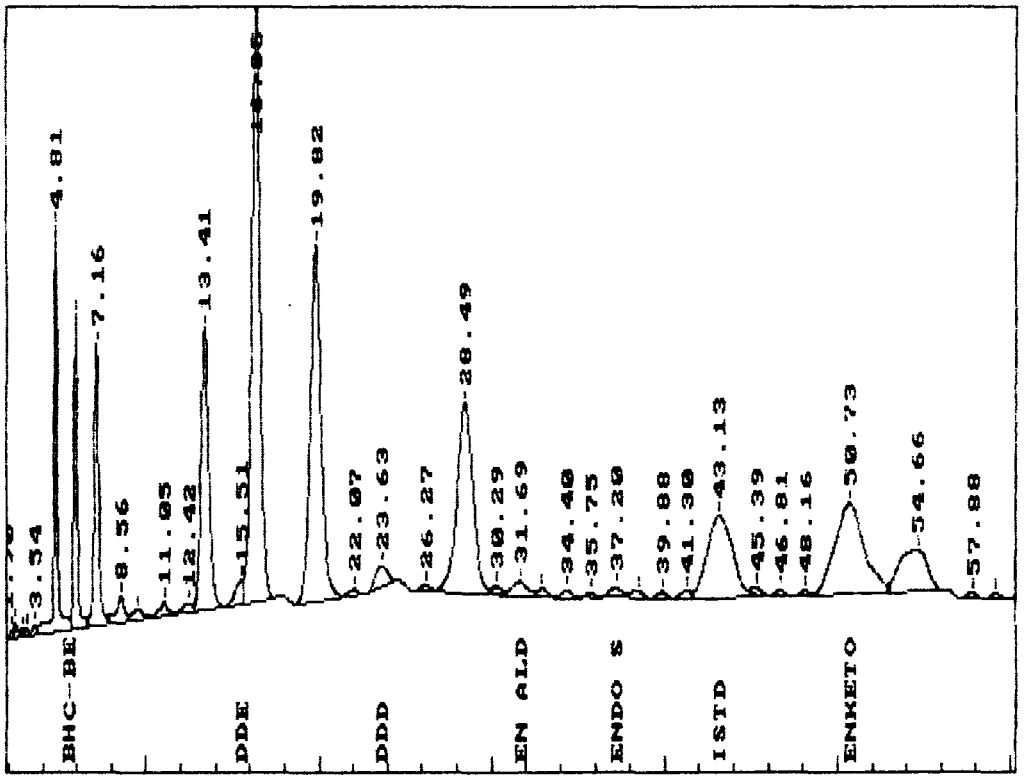
```
******   INTERNAL STANDARD TABLE   ******
******************** 09-24-1988 09:53:07 Version 4.1 **********************
* Sample Name: Pest Spike                          Data File: A:M\2CLE51    *
* Date: 09-26-1988 00:02:51 Method: A:1PESTB 09-23-1988 12:01:34  #  34    *
* Interface: 0   Cycle#:  51   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: .1  Area Threshold: 100            *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        5.00               Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          0.970000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
15	15.51	DDE	0.0622	3.4972%	31330	1108	28.3	2	15	31	0	1.9864E-06
19	23.63	DDD	0.2431	13.6598%	48327	996	48.5	1	19	31	0	5.0297E-06
23	31.69	EN ALDEHYDE	-0.0081	-0.4534%	40304	664	60.7	2	23	31	0	-2.0017E-07
27	37.20	ENDO SULFATE	0.0290	1.6296%	21397	447	47.9	2	27	31	0	1.3553E-06
31	43.13	ISTD	1.0000	0.0000%	395326	3848	102.7	3	31	31	0	2.5296E-06
35	50.73	ENKETONE	1.4533	81.6667%	502471	4300	116.9	2	35	31	0	2.8922E-06

TOTAL AMOUNT = 1.7795

Plot of data file: A:M\2CLE51.PTS
Date: 09-24-1988 Time: 10:01:20
Sample Name: Pest Spike
Start Time= 1.82Stop Time = 60.27Min. Scale= 7131Max. Scale= 37263

DATASET SF5541



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB42

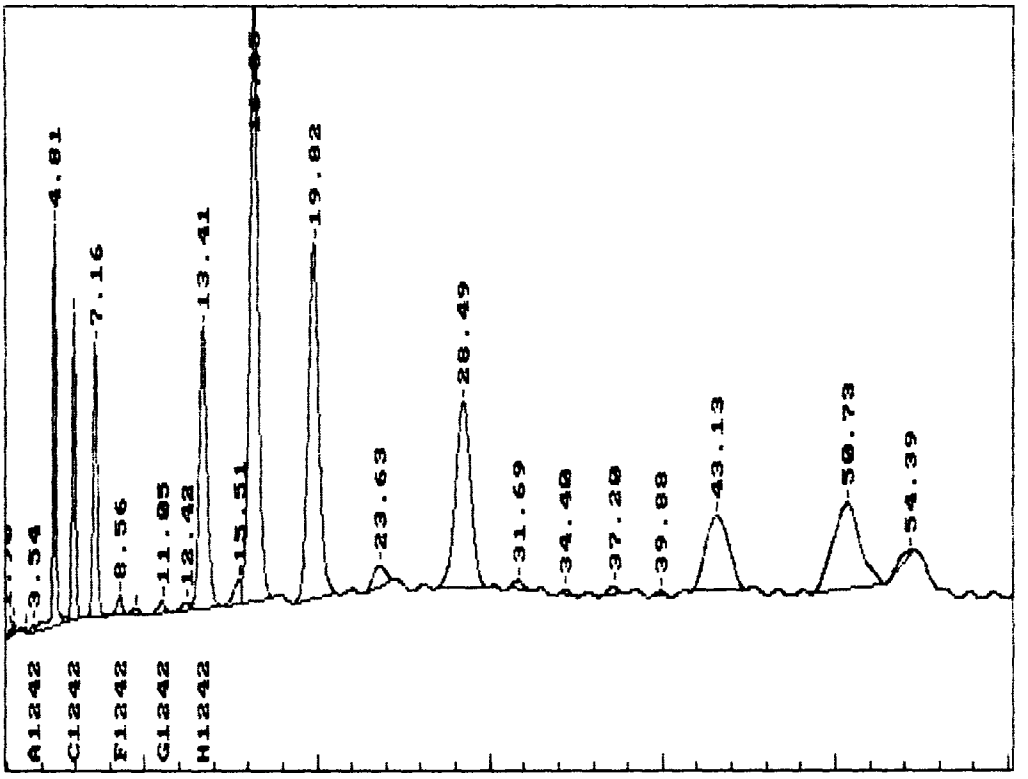
```
******   EXTERNAL STANDARD TABLE   ******
******************** 09-28-1988 14:07:37 Version 4.1 **********************
* Sample Name: Pest Spike                          Data File: a:m\2cle51    *
* Date: 09-26-1988 00:02:51 Method: A:PCB42 09-28-1988 13:11:09  #  14     *
* Interface: 0   Cycle#:  51   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:       10.00
Sample Weight:          0.970000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
5	3.54	A1242	0.5623	2.0454%	3514	335	10.5	2	5	0	1.6004E-04
7	5.92	C1242	2.6242	9.5453%	189476	14541	13.0	2	7	0	1.3850E-05
8	7.16	E1242	4.5766	16.6469%	204116	12934	15.8	1	8	0	2.2421E-05
9	8.56	F1242	0.1954	0.7109%	17193	855	20.1	1	9	0	1.1368E-05
11	11.05	G1242	-0.0877	-0.3191%	14544	577	25.2	1	11	0	-6.0326E-06
13	13.41	H1242	19.6212	71.3706%	398526	13302	30.0	2	13	0	4.9234E-05

TOTAL AMOUNT = 27.4920

DATASET SF5541

Plot of data file: a:m\2cle51.PTS
Date: 09-28-1988 Time: 14:08:08
Sample Name: Pest Spike
Start Time= 1.82Stop Time = 60.27Min. Scale= 7131Max. Scale= 37263



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB54
NEW TIMED EVENTS FROM A:PCB54

EXTERNAL STANDARD TABLE

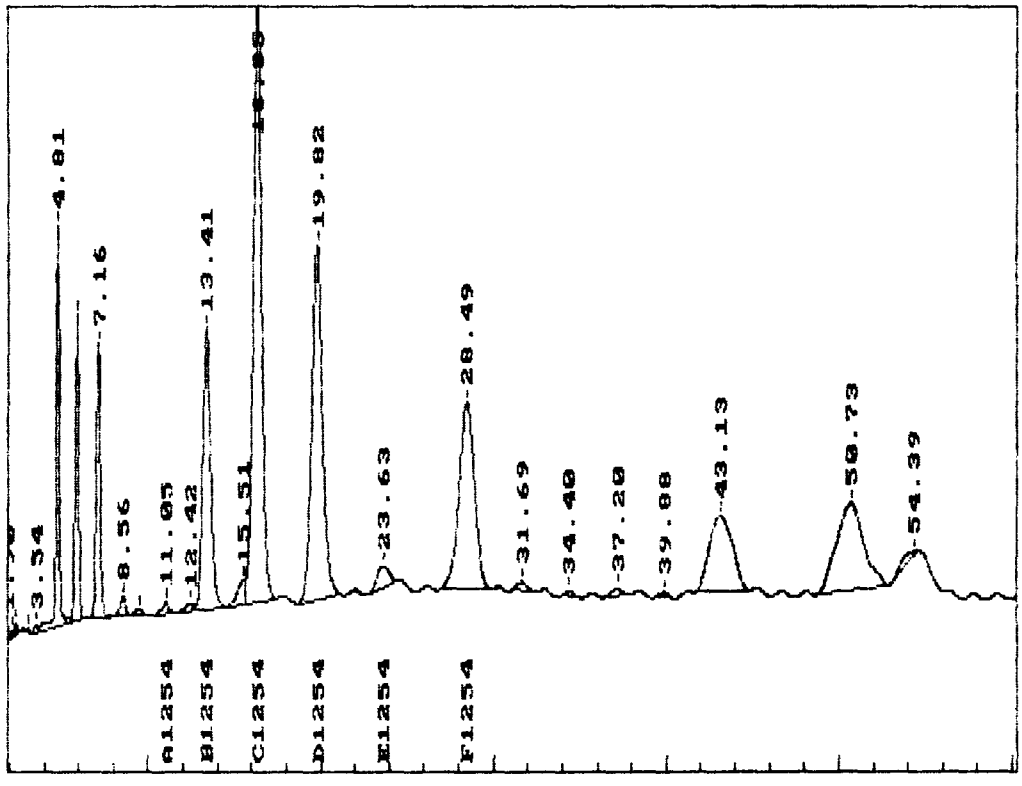
```
******************** 09-29-1988 07:35:22 Version 4.1 ********************
* Sample Name: Pest Spike                        Data File: a:m\2cle51    *
* Date: 09-26-1988 00:02:51 Method: A:PCB54 09-24-1988 14:21:35  #  5     *
* Interface: 0   Cycle#:  51   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100            *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                             *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                 *
*            Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                     *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        10.00
Sample Weight:          0.970000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
11	11.05	A1254	0.2322	0.5326%	14544	577	25.2	1	11	0	1.5968E-05
13	13.41	B1254	5.9866	13.7295%	398526	13302	30.0	2	13	0	1.5022E-05
15	16.35	C1254	19.6919	45.1608%	946269	28345	33.4	2	15	0	2.0810E-05
16	19.82	D1254	9.0179	20.6813%	715629	16837	42.5	1	16	0	1.2601E-05
17	23.63	E1254	0.5910	1.3554%	44282	953	46.5	1	17	0	1.3347E-05
18	28.49	F1254	8.0844	18.5405%	535226	8835	60.6	1	18	0	1.5105E-05

TOTAL AMOUNT = 43.6041

DATASET SF5541

Plot of data file: a:m\2cle51.PTS
Date: 09-29-1988 Time: 07:35:53
Sample Name: Pest Spike
Start Time= 1.82Stop Time = 60.27Min. Scale= 7131Max. Scale= 37263



DATASET SF5541

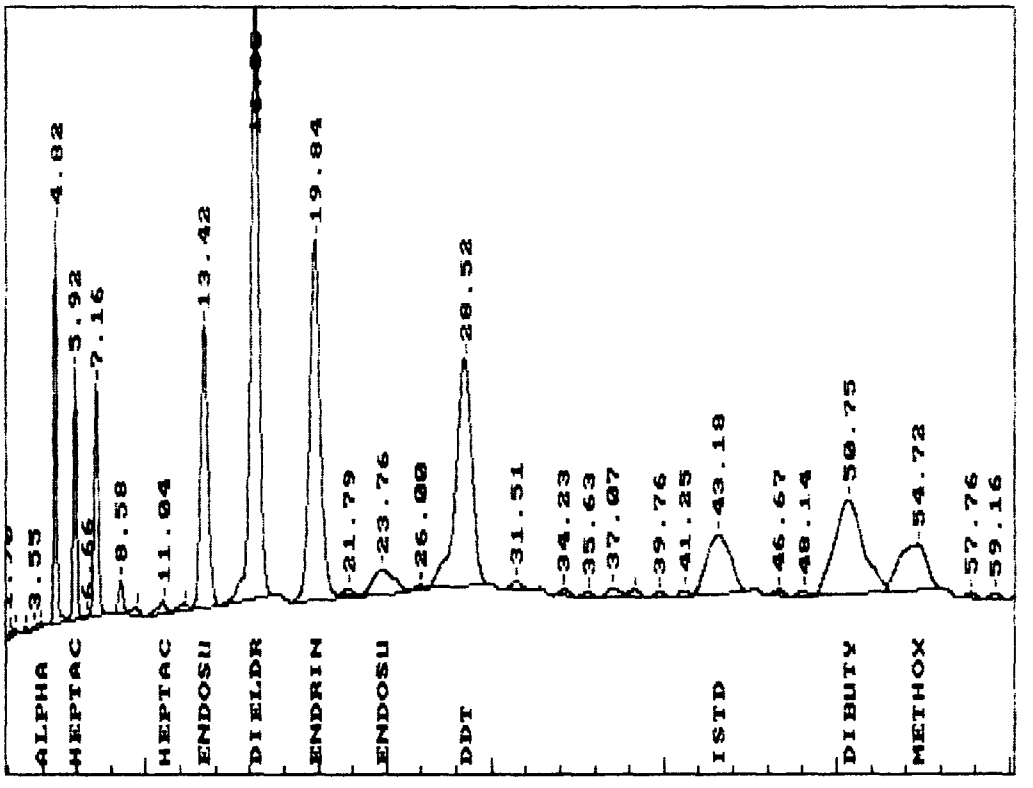
```
******   INTERNAL STANDARD TABLE   ******
******************** 09-24-1988 09:55:21 Version 4.1 **********************
* Sample Name: Pest Spike/Dupl                    Data File: A:M\2CLE52    *
* Date: 09-26-1988 01:09:10 Method: A:1PESTA 09-23-1988 09:17:00  #  82   *
* Interface: 0   Cycle#:  52   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: .1  Area Threshold: 100            *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*            Solvent Description: NITROGEN                                *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                 *
*           Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                     *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        5.00               Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
6	3.97	ALPHA BHC	0.0521	0.5266%	5137	178	28.9	2	6	29	0	1.0134E-05
7	4.82	LINDANE	0.3303	3.3416%	217147	19835	10.9	1	7	29	0	1.5213E-06
8	5.92	HEPTACHLOR	0.2797	2.8291%	163909	12411	13.2	3	8	29	0	1.7063E-06
10	7.16	ALDRIN	0.2706	2.7373%	179354	11441	15.7	2	10	29	0	1.5088E-06
13	11.04	HEPTACHLOR EPOXIDE	0.0781	0.7896%	20156	597	33.8	2	13	29	0	3.8726E-06
15	13.42	ENDOSULFAN I	0.6311	6.3840%	407159	13958	29.2	2	15	29	0	1.5500E-06
16	16.35	DIELDRIN	0.9734	9.8462%	991139	29301	33.8	1	16	29	0	9.8207E-07
17	19.84	ENDRIN	1.5438	15.6166%	764547	17822	42.9	3	17	29	0	2.0192E-06
19	23.76	ENDOSULFAN II	0.2414	2.4419%	99374	1166	85.2	2	19	29	0	2.4293E-06
21	28.52	DDT	2.1708	21.9589%	712732	11244	63.4	2	21	29	0	3.0457E-06
29	43.18	ISTD	1.0000	0.0000%	287147	2941	97.6	2	29	29	0	3.4825E-06
32	50.75	DIBUTYLCHLOR	1.1106	11.2346%	530650	4623	114.8	2	32	29	0	2.0929E-06
33	54.72	METHOXYCHLOR	2.2039	22.2938%	247503	2228	111.1	2	33	29	0	8.9045E-06

TOTAL AMOUNT = 9.8857

DATASET SF5541

Plot of data file: A:M\2CLE52.PTS
Date: 09-24-1988 Time: 09:55:56
Sample Name: Pest Spike/Dupl
Start Time= 1.82Stop Time = 60.27Min. Scale= 7123Max. Scale= 38498



DATASET SF5541

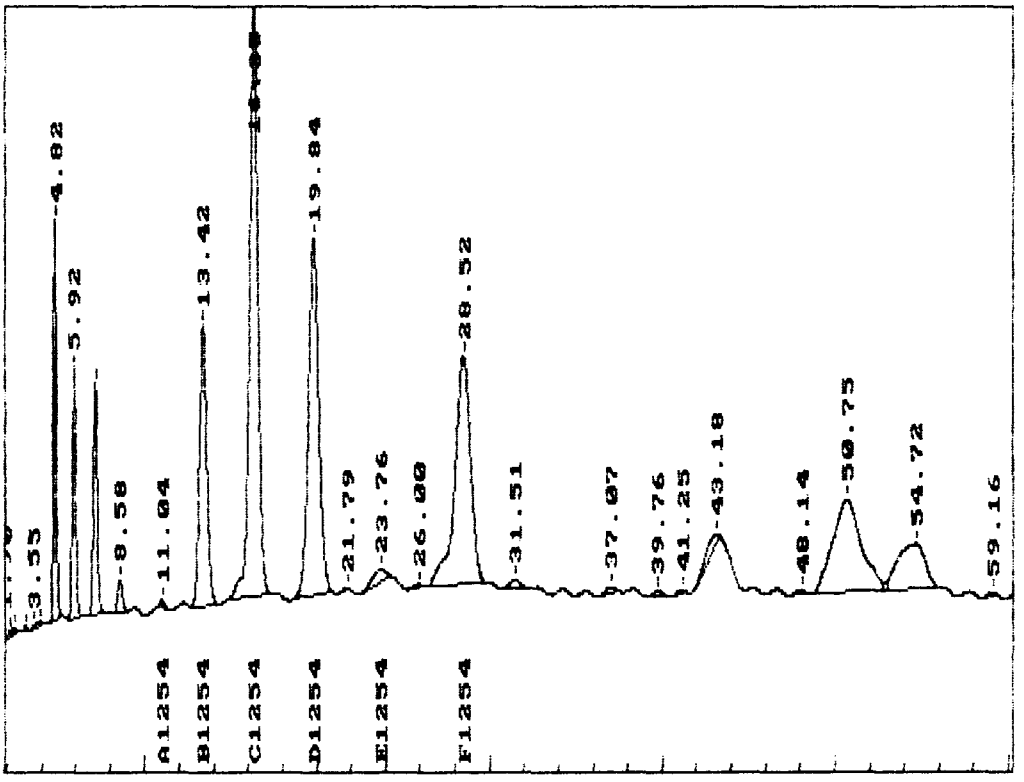
```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-29-1988 07:38:18 Version 4.1 ********************
* Sample Name: Pest Spike/Dupl                    Data File: a:m\2cle52    *
* Date: 09-26-1988 01:09:10 Method: A:PCB54 09-24-1988 14:21:35  #  5      *
* Interface: 0   Cycle#:  52   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:       10.00
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
11	11.04	A1254	0.0639	0.1410%	4123	322	12.8	1	11	0	1.5489E-05
12	13.42	B1254	5.8515	12.9201%	401580	13896	28.9	1	12	0	1.4571E-05
13	16.35	C1254	19.6913	43.4782%	975505	29227	33.4	1	13	0	2.0186E-05
14	19.84	D1254	9.0152	19.9056%	737546	17680	41.7	1	14	0	1.2223E-05
16	23.76	E1254	0.4308	0.9511%	33273	601	55.3	1	16	0	1.2946E-05
18	28.52	F1254	10.2374	22.6040%	698724	11191	62.4	1	18	0	1.4652E-05

TOTAL AMOUNT = 45.2901

DATASET SF5541

Plot of data file: a:m\2cle52.PTS
Date: 09-29-1988 Time: 07:38:48
Sample Name: Fest Spike/Dupl
Start Time= 1.82Stop Time = 60.27Min. Scale= 7123Max. Scale= 38498



NEW TIMED EVENTS FROM A:PCB42

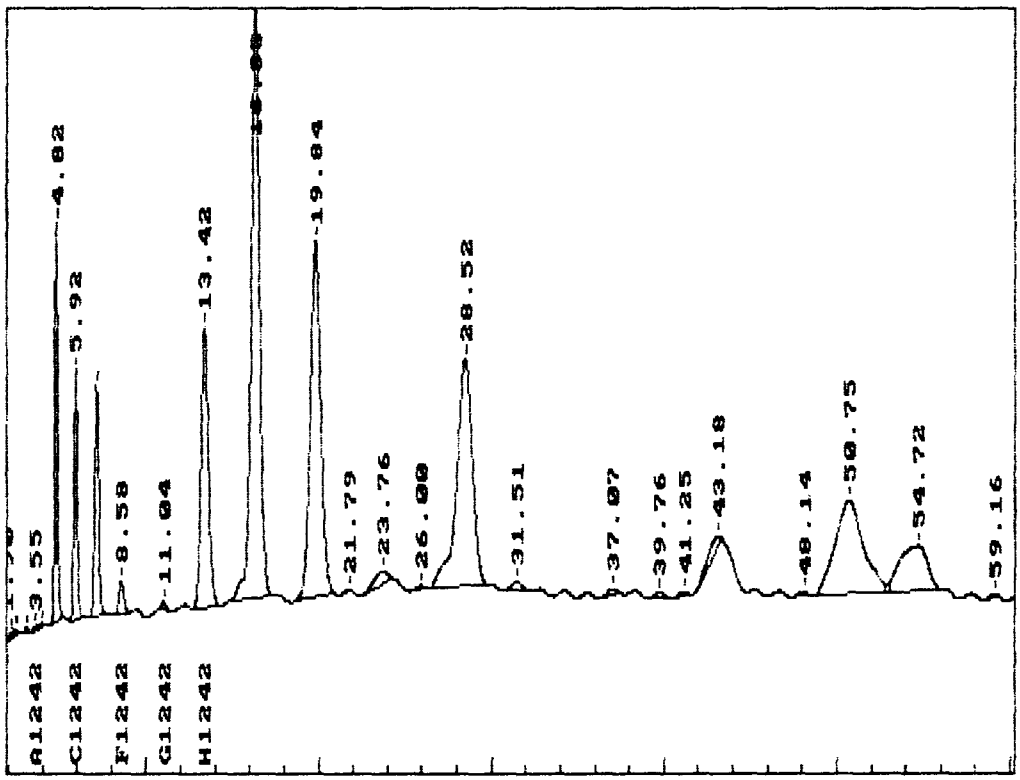
```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-28-1988 14:10:40 Version 4.1 ********************
* Sample Name: Pest Spike/Dupl                    Data File: a:m\2cle52    *
* Date: 09-26-1988 01:09:10 Method: A:PCB42 09-28-1988 13:11:09  #  14    *
* Interface: 0   Cycle#:  52   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:       10.00
Sample Weight:          0.970000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
5	3.55	A1242	0.4637	1.7290%	1544	169	9.2	2	5	0	3.0037E-04
8	5.92	C1242	2.2821	8.5098%	161173	12378	13.0	1	8	0	1.4160E-05
9	7.16	E1242	3.9395	14.6901%	177578	11409	15.6	1	9	0	2.2185E-05
10	8.58	F1242	0.7129	2.6583%	30408	1609	18.9	1	10	0	2.3444E-05
11	11.04	G1242	-0.3598	-1.3416%	4123	322	12.8	1	11	0	-8.7265E-05
12	13.42	H1242	19.7791	73.7543%	401580	13896	28.9	1	12	0	4.9253E-05

TOTAL AMOUNT = 26.8175

DATASET SF5541

Plot of data file: a:m\2cleS2.PTS
Date: 09-28-1988 Time: 14:11:51
Sample Name: Pest Spike/Dupl
Start Time= 1.82Stop Time = 60.27Min. Scale= 7123Max. Scale= 38498



DATASET SF5541

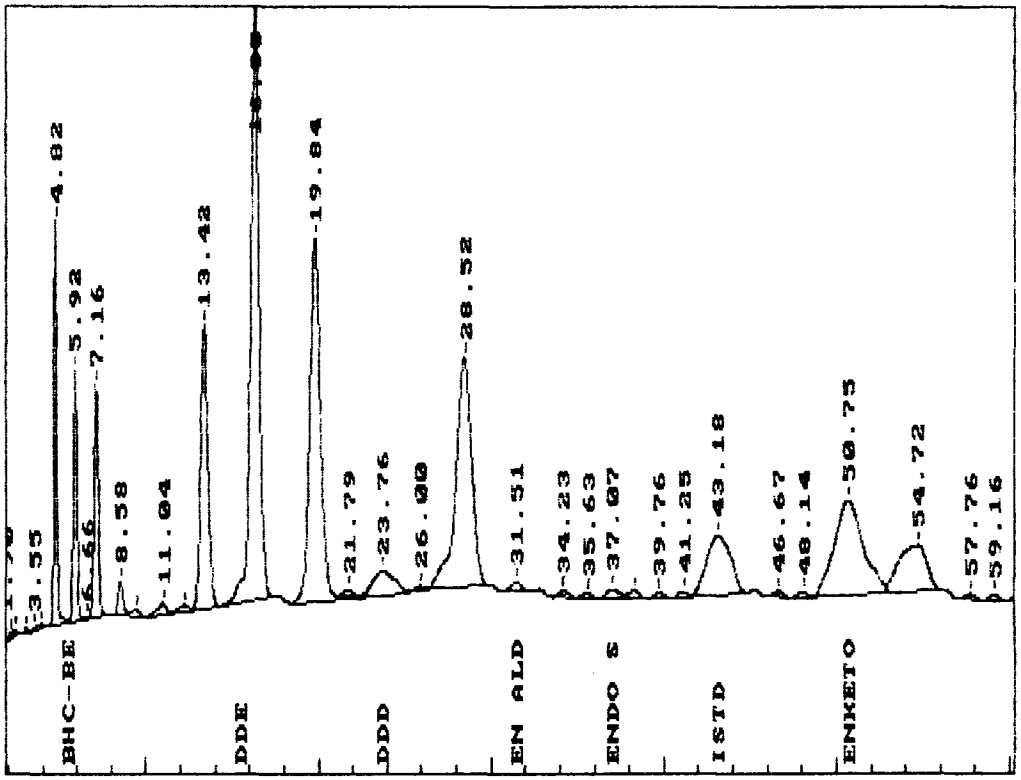
```
******    INTERNAL STANDARD TABLE    ******
******************** 09-24-1988 09:57:37 Version 4.1 **********************
* Sample Name: Pest Spike/Dupl                    Data File: A:M\2CLE52    *
* Date: 09-26-1988 01:09:10 Method: A:1PESTB 09-23-1988 12:01:34  #  34   *
* Interface: 0   Cycle#:  52   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: .1  Area Threshold: 100            *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        5.00               Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
9	6.66	BHC-DELTA	0.1752	6.8109%	793	64	12.4	4	0	29	4.452	2.2107E-04
19	23.76	DDD	0.3233	12.5670%	99374	1166	85.2	2	19	29	0	3.2538E-06
22	31.51	EN ALDEHYDE	-0.0248	-0.9657%	18723	443	42.2	1	22	29	0	-1.3270E-06
25	37.07	ENDO SULFATE	0.0661	2.5688%	24967	464	53.8	2	25	29	0	2.6472E-06
29	43.18	ISTD	1.0000	0.0000%	287147	2941	97.6	2	29	29	0	3.4825E-06
32	50.75	ENKETONE	2.0331	79.0190%	530650	4623	114.8	2	32	29	0	3.8314E-06

TOTAL AMOUNT = 2.5730

DATASET SF5541

Plot of data file: A:M\2CLE52.PTS
Date: 09-24-1988 Time: 09:58:14
Sample Name: Pest Spike/Dupl
Start Time= 1.82Stop Time = 60.27Min. Scale= 7123Max. Scale= 38498



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB42

****** EXTERNAL STANDARD TABLE ******

```
******************** 09-28-1988 13:37:06 Version 4.1 **********************
* Sample Name: PCB Spike                          Data File: a:m\2cle49    *
* Date: 09-25-1988 21:50:13 Method: A:PCB42 09-28-1988 13:11:09  #  14     *
* Interface: 0   Cycle#:  49   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*            Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Sample Weight:          0.970000
```

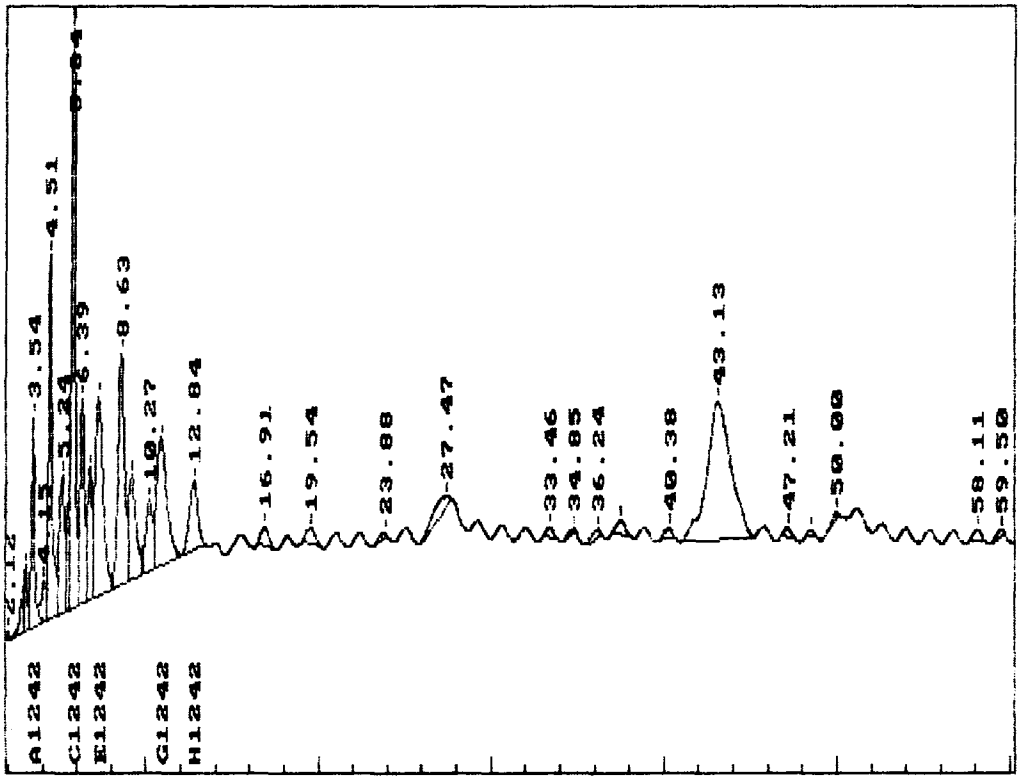
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
4	3.54	A1242 -	3.2224	13.8227%	56637	4396	12.9	3	4	0	5.6894E-05
6	4.51	B1242 -	3.1794	13.6384%	112650	7605	14.8	2	6	0	2.8224E-05
9	5.84	C1242 -	2.7659	11.8647%	201202	12628	15.9	2	9	0	1.3747E-05
10	6.39	D1242 -	2.8611	12.2729%	84185	4280	19.7	2	10	0	3.3986E-05
12	7.33	E1242 -	2.9669	12.7270%	137061	4166	32.9	2	12	0	2.1647E-05
13	8.63	F1242 -	4.3683	18.7383%	123764	4828	25.6	2	13	0	3.5295E-05
16	10.93	G1242 -	2.4364	10.4514%	111236	2656	41.9	2	16	0	2.1903E-05
17	12.84	H1242	1.5117	6.4846%	48288	1432	33.7	2	17	0	3.1305E-05

TOTAL AMOUNT = 23.3120

Average = 2.914

DATASET SF5541

Plot of data file: a:m\2cle49.PTS
Date: 09-28-1988 Time: 13:37:43
Sample Name: PCB Spike
Start Time= 1.82Stop Time = 60.27Min. Scale= 6793Max. Scale= 20091



quantitation

10

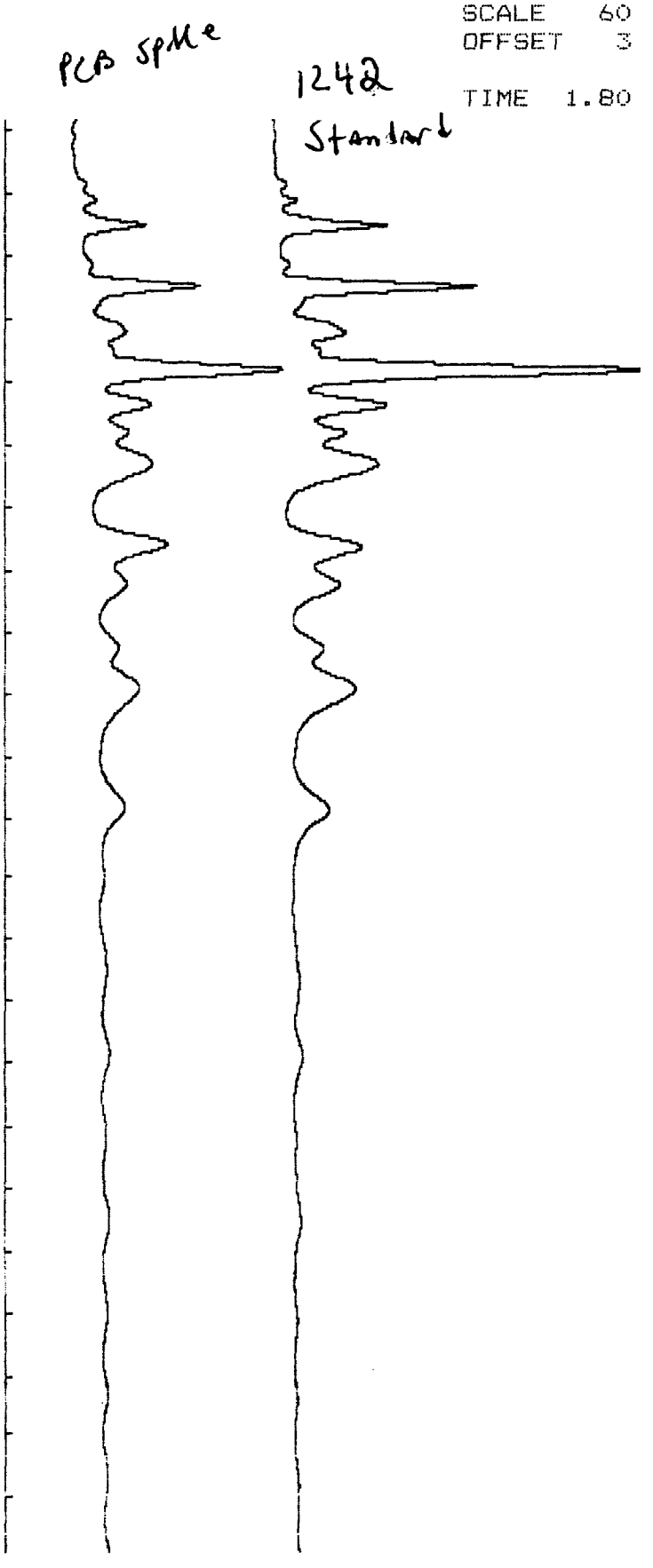
DATASET SF5541

A:M\2CLE35
SCALE 60
OFFSET -15

TIME 1.80

A:M\2CLE49
SCALE 60
OFFSET 3

TIME 1.80



TIME 25.00

TIME 25.00

Confirmation

DATASET SF5541

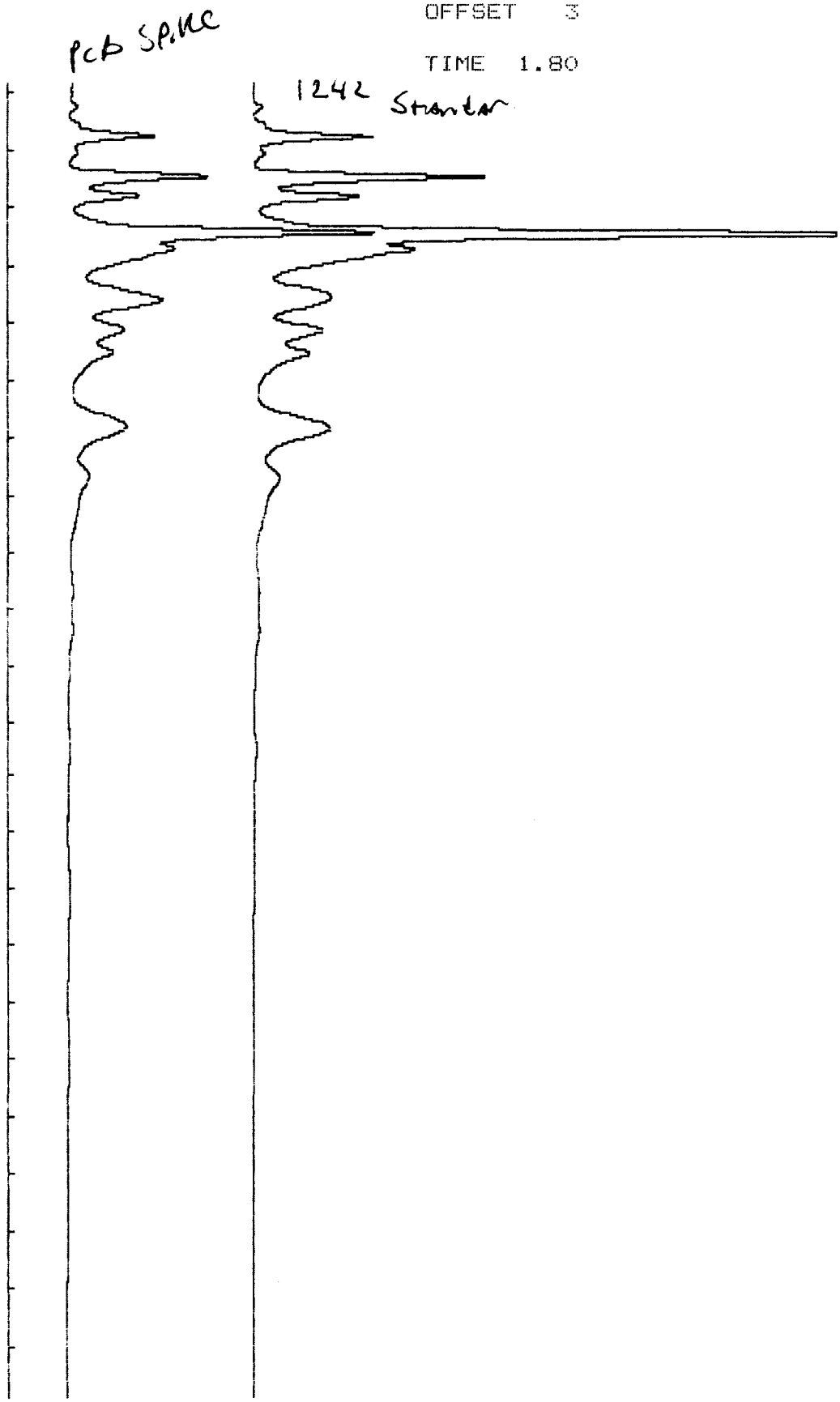
2*

A:M\1CLE35
SCALE 60
OFFSET -15

TIME 1.80

A:M\1CLE49
SCALE 60
OFFSET 3

TIME 1.80



TIME 25.00

TIME 25.00

DATASET SF5541

NEW TIMED EVENTS FROM A:PCB54

***** EXTERNAL STANDARD TABLE *****

********** 09-28-1988 15:03:07 Version 4.1 **********

* Sample Name: PCB Spike Data File: a:m\2cle49 *

* Date: 09-25-1988 21:50:13 Method: A:PCB54 09-24-1988 14:21:35 # 5 *

* Interface: 0 Cycle#: 49 Operator LIN Channel#: 1 Vial#: N.A. *

* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *

****

* Instrument Type: TRACOR 540 Column Type: 0-SP2100; 1-Mixed Ph *

* Solvent Description: NITROGEN *

* Conditions: ISOTHERMAL 200; Detector 325; Injector 250 *

* Detector 0: ECD Detector 1: ECD *

* Misc. Information: *

****

Starting Delay: 1.80 Ending retention time: 60.00

Area reject: 0 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 10.00

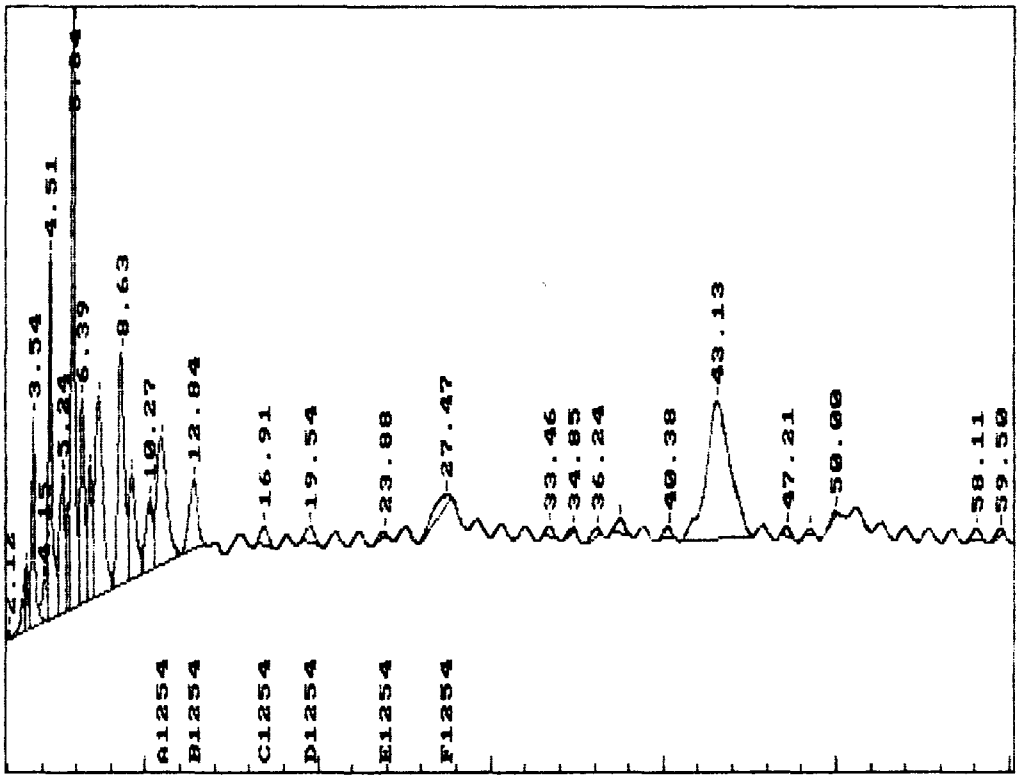
Sample Weight: 0.970000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
16	10.93	A1254	1.7762	55.3844%	111236	2656	41.9	2	16	0	1.5968E-05
17	12.84	B1254	0.7254	22.6182%	48288	1432	33.7	2	17	0	1.5022E-05
18	16.91	C1254	0.2619	8.1662%	12585	410	30.7	1	18	0	2.0810E-05
19	19.54	D1254	0.1460	4.5529%	11587	321	36.1	1	19	0	1.2601E-05
20	23.88	E1254	0.0509	1.5883%	3817	124	30.8	1	20	0	1.3347E-05
21	27.47	F1254	0.2466	7.6900%	16328	158	103.6	1	21	0	1.5105E-05

TOTAL AMOUNT = 3.2071 . No confirmation

DATASET SF5541

Plot of data file: a:m\2cle49.PTS
Date: 09-28-1988 Time: 15:03:40
Sample Name: PCB Spike
Start Time= 1.82Stop Time = 60.27Min. Scale= 6793Max. Scale= 20091



DATASET SF5541

```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-28-1988 15:08:17 Version 4.1 **********************
* Sample Name: PCB Spike/Dupl                    Data File: A:M\2CLE50     *
* Date: 09-25-1988 22:56:31 Method: A:PCB42 09-28-1988 13:11:09  #  14     *
* Interface: 0   Cycle#:  50   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per   1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Sample Weight:          0.970000
```

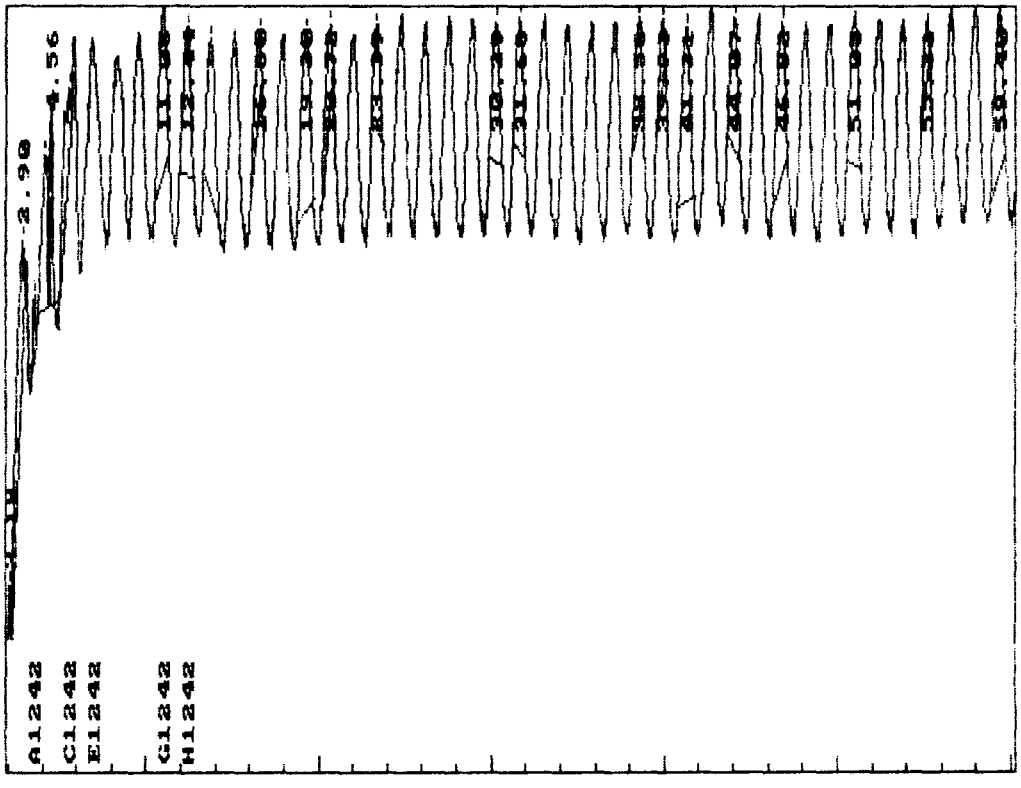
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	3.59	A1242	0.4157	345.4034%	585	83	7.0	1	0	.9399	7.1037E-04
5	4.56	B1242	0.3319	275.7933%	3545	267	13.3	2	5	0	9.3625E-05
6	5.59	C1242	0.3706	307.9441%	3006	74	40.6	1	6	0	1.2329E-04
7	11.05	G1242	-0.2982	-247.7795%	6481	225	28.8	1	7	0	-4.6008E-05
8	12.44	H1242	-0.6997	-581.3615%	5521	199	27.7	1	8	0	-1.2673E-04

TOTAL AMOUNT = 0.1203

Instrumental problem

DATASET SF5541

NEW TIMED EVENTS FROM A:PCB42
Plot of data file: a:m\2cle50.PTS
Date: 09-28-1988 Time: 15:10:35
Sample Name: PCB Spike/Dupl
Start Time= 1.82Stop Time = 60.27Min. Scale= 8194Max. Scale= 9049



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB54

***** EXTERNAL STANDARD TABLE *****

********** 09-28-1988 15:06:20 Version 4.1 **********

* Sample Name: PCB Spike/Dupl Data File: A:M\2CLE50 *
* Date: 09-25-1988 22:56:31 Method: A:PCB54 09-24-1988 14:21:35 # 5 *
* Interface: 0 Cycle#: 50 Operator LIN Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *

* Instrument Type: TRACOR 540 Column Type: 0-SP2100; 1-Mixed Ph *
* Solvent Description: NITROGEN *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250 *
* Detector 0: ECD Detector 1: ECD *
* Misc. Information: *

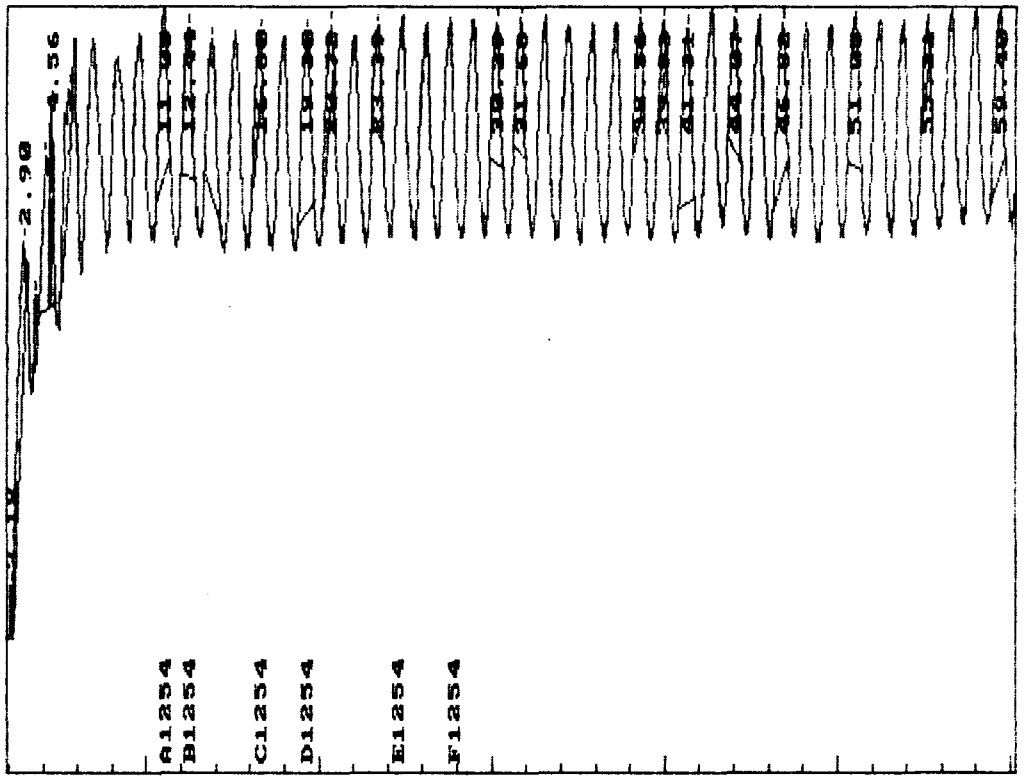
Starting Delay: 1.80 Ending retention time: 60.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Sample Weight: 0.970000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
7	11.05	A1254	0.1035	27.3946%	6481	225	28.8	1	7	0	1.5968E-05
8	12.44	B1254	0.0829	21.9527%	5521	199	27.7	1	8	0	1.5022E-05
10	16.60	C1254	0.0463	12.2611%	2226	86	26.0	1	10	0	2.0810E-05
11	19.30	D1254	0.0990	26.2076%	7857	239	32.8	1	11	0	1.2601E-05
13	23.39	E1254	0.0460	12.1840%	3449	144	23.9	1	11	-4.724	1.3347E-05

TOTAL AMOUNT = 0.3778

DATASET SF5541

Plot of data file: A:M\2CLE50.PTS
Date: 09-28-1988 Time: 15:06:50
Sample Name: PCB Spike/Dupl
Start Time= 1.82Stop Time = 60.27Min. Scale= 8194Max. Scale= 9049



DATASET SF5541

NEW TIMED EVENTS FROM A:1PESTA

****** INTERNAL STANDARD TABLE ******

********** 09-29-1988 15:10:41 Version 4.1 **********

* Sample Name: DDT Data File: a:m\2cle46 *
* Date: 09-25-1988 18:31:12 Method: A:1PESTA 09-23-1988 09:17:00 # 82 *
* Interface: 0 Cycle#: 46 Operator LIN Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *

****

* Instrument Type: TRACOR 540 Column Type: 0-SP2100; 1-Mixed Ph *
* Solvent Description: NITROGEN *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250 *
* Detector 0: ECD Detector 1: ECD *
* Misc. Information: *

****

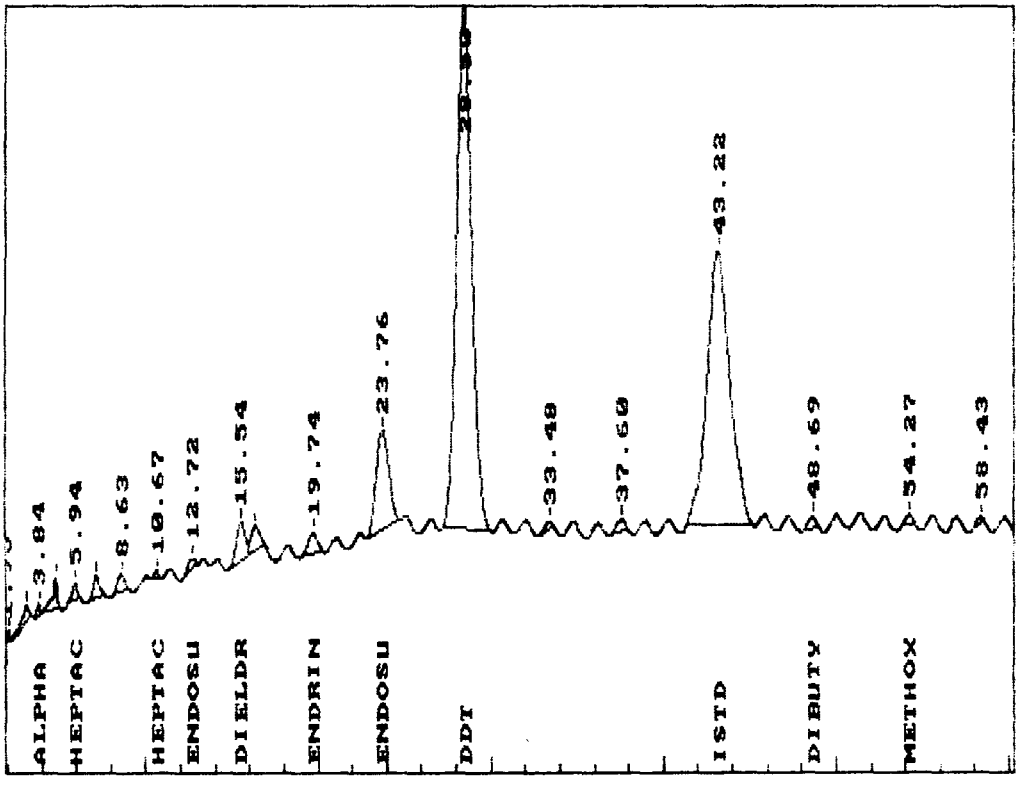
Starting Delay: 1.80 Ending retention time: 60.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 5.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
4	3.84	ALPHA BHC	0.0474	1.8182%	2028	229	8.9	1	4	18	0	2.3375E-05
5	4.82	LINDANE	0.1112	4.2655%	11488	591	19.4	1	5	18	0	9.6807E-06
6	5.94	HEPTACHLOR	0.0786	3.0161%	5589	323	17.3	1	6	18	0	1.4070E-05
7	7.21	ALDRIN	0.1062	4.0738%	9477	405	23.4	1	7	18	0	1.1208E-05
9	10.67	HEPTACHLOR EPOXIDE	0.0560	2.1469%	2100	135	15.6	1	9	18	0	2.6659E-05
10	12.72	ENDOSULFAN I	0.1327	5.0888%	5956	201	29.6	1	10	18	0	2.2277E-05
11	15.54	DIELDRIN	0.3069	11.7714%	24040	722	33.3	2	11	18	0	1.2766E-05
13	19.74	ENDRIN	0.3053	11.7098%	12868	383	33.6	1	13	18	0	2.3725E-05
14	23.76	ENDOSULFAN II	0.1636	6.2734%	92669	1850	50.1	1	14	18	0	1.7650E-06
15	28.50	DDT	1.2303	47.1868%	602743	9960	60.5	1	15	18	0	2.0411E-06
18	43.22	ISTD	1.0000	0.0000%	476391	5175	92.1	1	18	18	0	2.0991E-06
19	48.69	DIBUTYLCHLOR	-0.0646	-2.4781%	6360	213	29.9	1	19	18	0	-1.0159E-05
20	54.27	METHOXYCHLOR	0.1337	5.1274%	4330	171	25.3	1	20	18	0	3.0876E-05

TOTAL AMOUNT = 2.6072

DATASET SF5541

Plot of data file: a:m\2cle46.PTS
Date: 09-29-1988 Time: 15:11:23
Sample Name: DDT
Start Time= 1.82Stop Time = 60.27Min. Scale= 6606Max. Scale= 18668



DATASET SF5541

NEW TIMED EVENTS FROM A:2PESTA

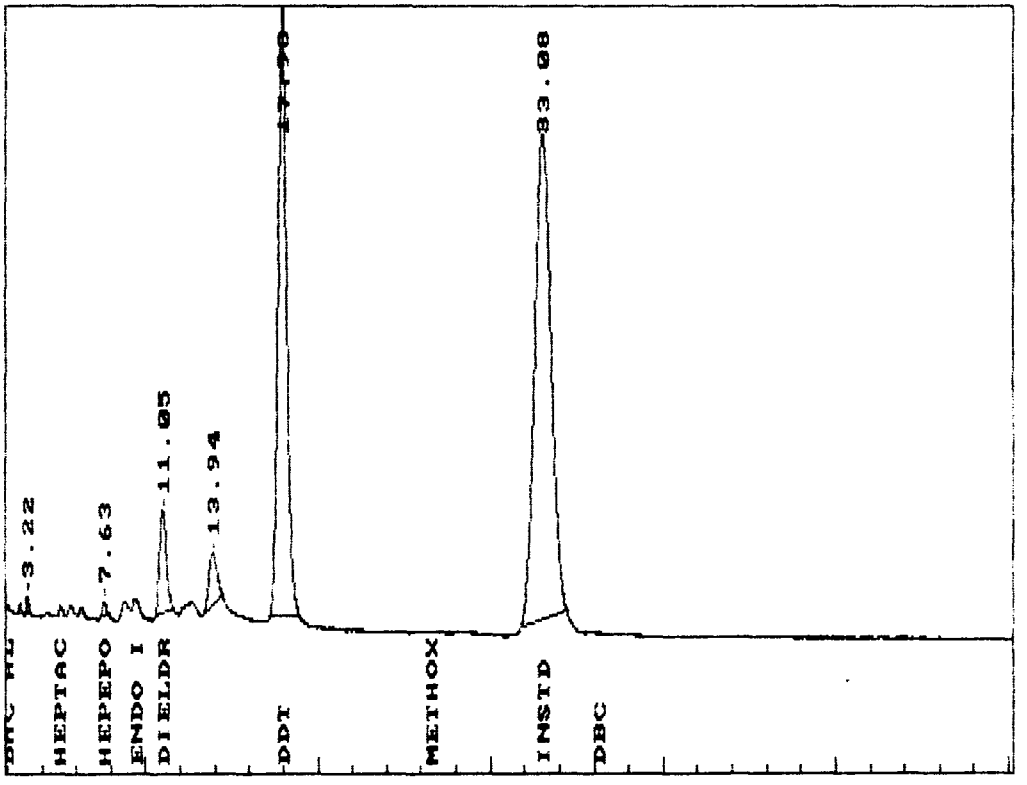
```
*****   INTERNAL STANDARD TABLE   *****
******************** 09-29-1988 15:13:52 Version 4.1 **********************
* Sample Name: DDT                                Data File: A:m\1cle46     *
* Date: 09-25-1988 18:31:23 Method: A:2PESTA 09-24-1988 12:52:36  #  4      *
* Interface: 0   Cycle#:  46   Operator LIN Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100              *
*****************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph    *
*              Solvent Description: NITROGEN                                *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                    *
*            Detector 0: ECD                  Detector 1: ECD               *
* Misc. Information:                                                        *
*****************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        5.00                 Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.22	LINDANE	0.0124	0.1601%	1270	148	8.6 1	1	6	0	9.7284E-06
2	7.63	HEPEPOXIDE	0.0339	0.4387%	1813	122	14.9 1	2	6	0	1.8679E-05
3	11.05	DIELDRIN	0.0250	0.3244%	22166	849	26.1 1	3	6	0	1.1295E-06
5	17.98	DDT	7.6461	99.0767%	177666	5093	34.9 1	5	6	0	4.3036E-05
6	33.08	INSTD	1.0000	0.0000%	262611	4017	65.4 1	6	6	0	3.8079E-06

TOTAL AMOUNT = 7.7173

DATASET SF5541

Plot of data file: A:m\1cle46.PTS
Date: 09-29-1988 Time: 15:14:26
Sample Name: DDT
Start Time= 1.82Stop Time = 60.27Min. Scale= 6526Max. Scale= 11812



DATASET SF5541

NEW TIMED EVENTS FROM A:1PESTB

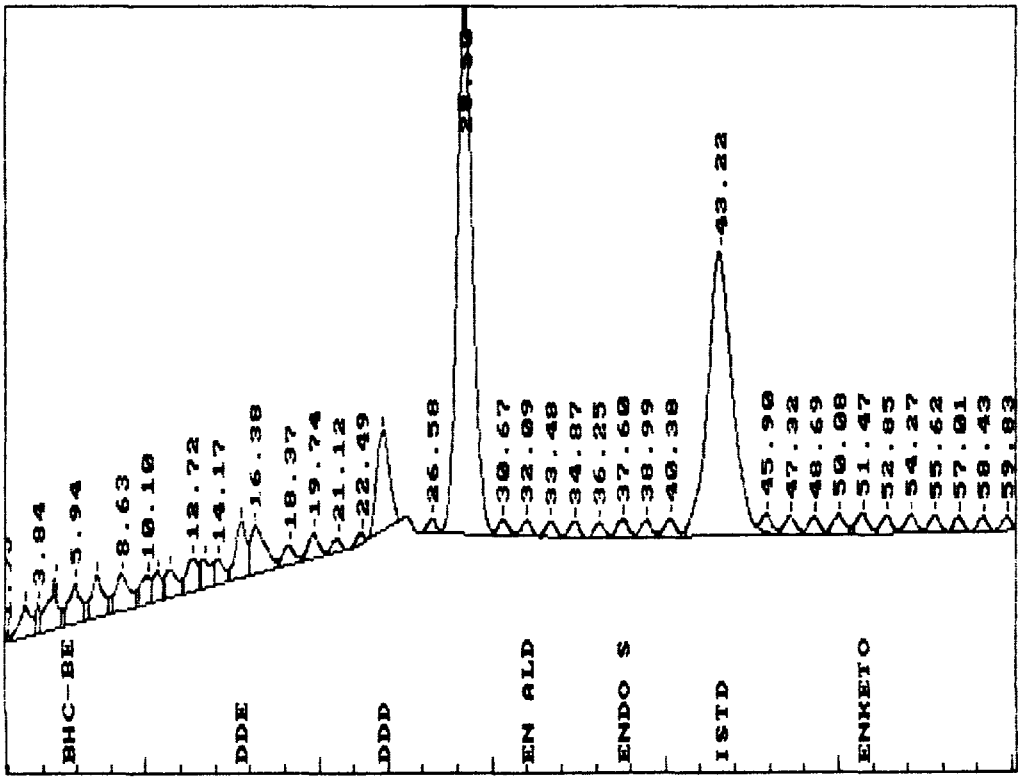
```
******   INTERNAL STANDARD TABLE   ******
******************** 09-23-1988 12:49:03 Version 4.1 **********************
* Sample Name: DDT                                  Data File: A:M\2CLE46    *
* Date: 09-25-1988 18:31:12 Method: A:1PESTB 09-23-1988 12:01:34  #  34    *
* Interface: 0   Cycle#:  46   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: .1  Area Threshold: 100            *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*            Solvent Description: NITROGEN                                *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*           Detector 0: ECD                  Detector 1: ECD              *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        5.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
15	15.54	DDE	0.0062	17.7454%	44710	1057	42.3	2	15	32	0	1.3864E-07
21	23.76	DDD	0.0258	73.8179%	95675	1876	51.0	2	21	32	0	2.6951E-07
25	32.09	EN ALDEHYDE	-0.0044	-12.5013%	13159	316	41.7	2	25	32	0	-3.3186E-07
29	37.60	ENDO SULFATE	0.0001	0.2426%	16354	360	45.5	2	29	32	0	5.1809E-09
32	43.22	ISTD	1.0000	0.0000%	535510	5403	99.1	3	32	32	0	1.8674E-06
37	51.47	ENKETONE	0.0072	20.6955%	17882	381	47.0	2	37	32	0	4.0427E-07

TOTAL AMOUNT = 0.0349

DATASET SF5541

Plot of data file: A:M\2CLE46.PTS
Date: 09-23-1988 Time: 12:50:57
Sample Name: DDT
Start Time= 1.82Stop Time = 60.27Min. Scale= 6606Max. Scale= 18668



DATASET SF5541

NEW TIMED EVENTS FROM A:2PESTB

***** INTERNAL STANDARD TABLE *****

```
******************** 09-30-1988 14:45:02 Version 4.1 ********************
* Sample Name: DDT                                Data File: a:m\1cle46    *
* Date: 09-25-1988 18:31:23 Method: A:2PESTB 09-30-1988 14:42:40  #  4    *
* Interface: 0   Cycle#:  46   Operator LIN Channel#: 0    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100            *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                             *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                 *
*            Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                     *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:         0                     One sample per    1.002 sec.
Amount injected:        5.00               Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

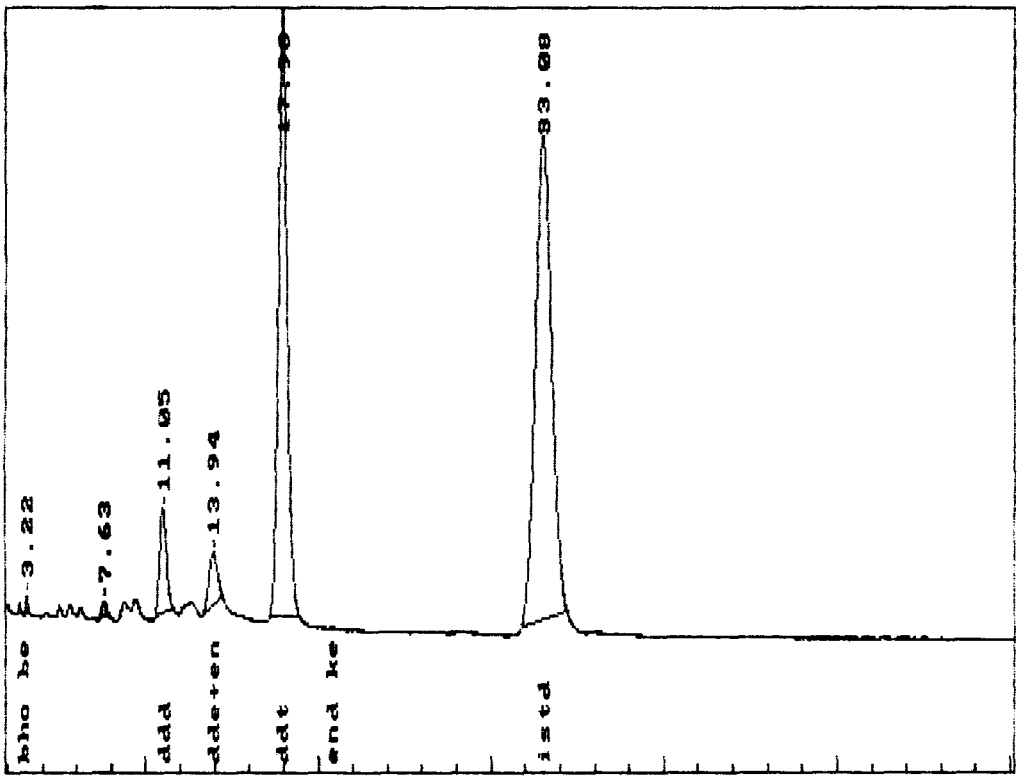
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/l	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.22	bhc delta	0.0000	0.0000%	1270	148	8.6	1	1	6	0	2.4756E-11
3	11.05	ddd	0.0000	0.0000%	22166	849	26.1	1	3	6	0	6.2647E-11
4	13.94	dde+end ald	0.0000	0.0000%	13750	422	32.6	1	4	6	0	5.0319E-12
5	17.98	ddt	63.9005	100.0000%	177666	5093	34.9	1	6		.3157	3.5967E-04
6	33.08	istd	0.0000	0.0000%	262611	4017	65.4	1	6	6	0	1.2155E-11

TOTAL AMOUNT = 63.9005

confirmation Only

DATASET SF5541

Plot of data file: a:m\1cle46.PTS
Date: 09-30-1988 Time: 14:45:42
Sample Name: DDT
Start Time= 1.82Stop Time = 60.27Min. Scale= 6526Max. Scale= 11812



DATASET SF5541

NEW TIMED EVENTS FROM A:1PESTA

```
******   EXTERNAL STANDARD TABLE   ******
******************** 09-23-1988 12:54:11 Version 4.1 **********************
* Sample Name: Endrin                          Data File: A:M\2CLE47     *
* Date: 09-25-1988 19:37:33 Method: A:1PESTA 09-23-1988 09:17:00  #  82   *
* Interface: 0   Cycle#:  47   Operator LIN Channel#: 1    Vial#: N.A.   *
* Starting Peak Width:  10   Threshold: .1  Area Threshold: 100          *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*            Solvent Description: NITROGEN                               *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                 *
*           Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                     *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        5.00               Dilution factor:        1.00
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
4	4.59	LINDANE	58.6749	0.0506%	9801	293	33.4	2	4	0	5.9864E-03
5	5.96	HEPTACHLOR	71.6172	0.0618%	9958	261	38.1	2	5	0	7.1917E-03
6	7.33	ALDRIN	48.1799	0.0416%	8861	247	35.9	2	6	0	5.4371E-03
8	10.12	HEPTACHLOR EPOXIDE	35.2121	0.0304%	5245	163	32.2	1	8	0	6.7129E-03
12	14.21	ENDOSULFAN I	59.5230	0.0513%	8392	232	36.2	1	12	0	7.0930E-03
13	15.64	DIELDRIN	27.8153	0.0240%	7096	222	32.0	1	13	0	3.9198E-03
16	19.85	ENDRIN	11300.5820	9.7479%	1202386	30054	40.0	3	16	0	9.3985E-03
18	23.98	ENDOSULFAN II	153.2906	0.1322%	14922	372	40.1	2	18	0	1.0273E-02
21	28.00	DDT	211.8176	0.1827%	13703	322	42.6	2	21	0	1.5458E-02
30	43.23	ISTD	102112.9840	88.0827%	510565	5207	98.1	3	30	0	2.0000E-01
35	51.50	METHOXYCHLOR	1848.8883	1.5949%	38084	672	56.6	2	35	0	4.8548E-02

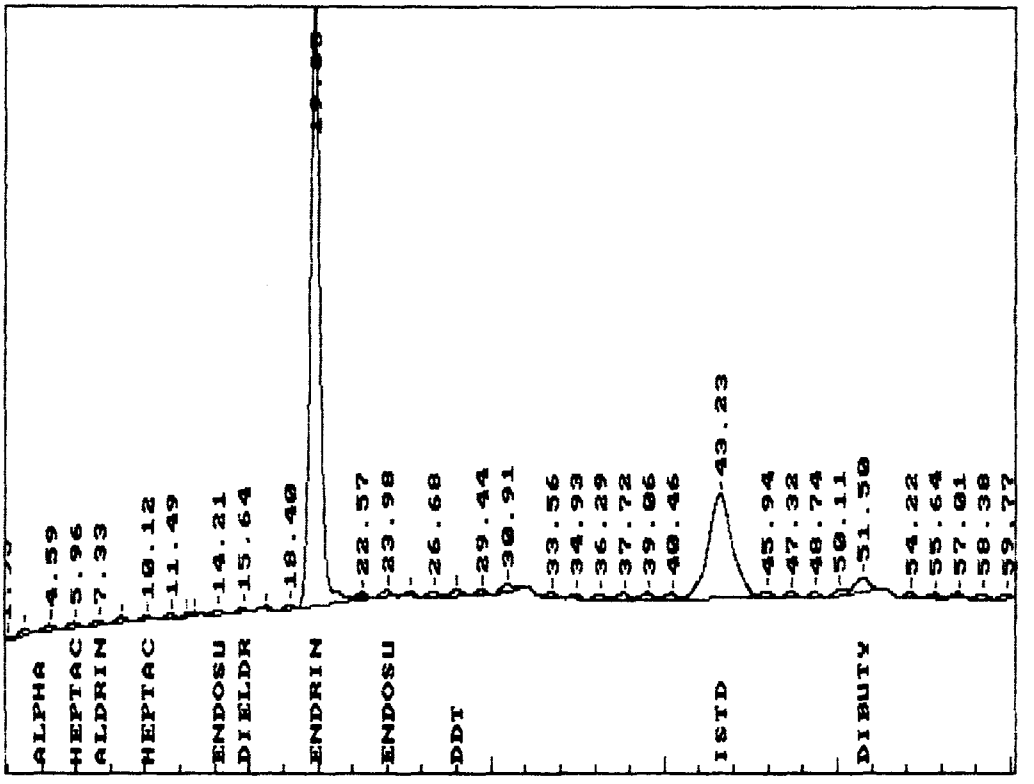
TOTAL AMOUNT = 115928.5860

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
ALPHA BHC	3.84	ALPHA BHC
DIBUTYLCHLOR	51.50	DIBUTYLCHLOR

DATASET SF5541

Plot of data file: A:M\2CLE47.PTS
Date: 09-23-1988 Time: 12:54:46
Sample Name: Endrin
Start Time= 1.82Stop Time = 60.27Min. Scale= 6624Max. Scale= 38370



DATASET SF5541

NEW TIMED EVENTS FROM A:1PESTB

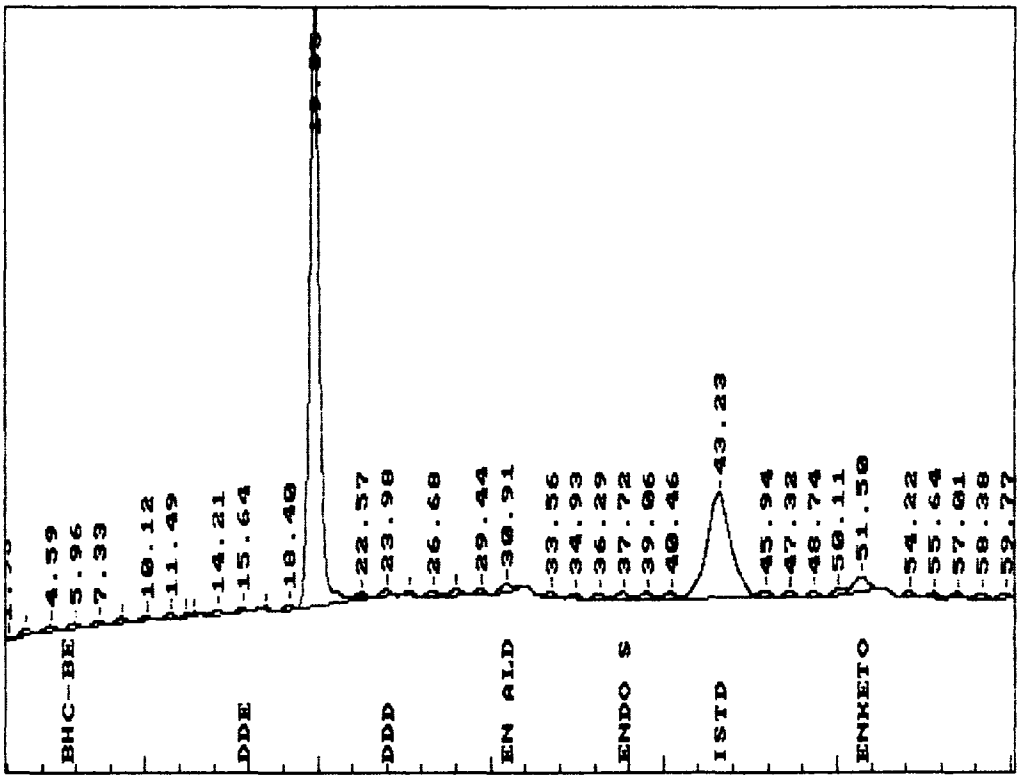
```
*****   INTERNAL STANDARD TABLE   *****
******************** 09-23-1988 12:57:26 Version 4.1 **********************
* Sample Name: Endrin                          Data File: A:M\2CLE47     *
* Date: 09-25-1988 19:37:33 Method: A:1PESTB 09-23-1988 12:01:34  #  34  *
* Interface: 0   Cycle#:  47   Operator LIN Channel#: 1    Vial#: N.A.   *
* Starting Peak Width:  10   Threshold: .1  Area Threshold: 100          *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*            Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                 *
*            Detector 0: ECD                  Detector 1: ECD           *
* Misc. Information:                                                     *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per   1.002 sec.
Amount injected:        5.00                 Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
13	15.64	DDE	0.0035	11.5562%	7096	222	32.0	1	13	30	0	4.9866E-07
18	23.98	DDD	0.0199	65.1165%	14922	372	40.1	2	18	30	0	1.3362E-06
23	30.91	EN ALDEHYDE	-0.0041	-13.2739%	15877	369	43.0	1	23	30	0	-2.5601E-07
27	37.72	ENDO SULFATE	-0.0005	-1.5458%	13128	321	41.0	2	27	30	0	-3.6054E-08
30	43.23	ISTD	1.0000	0.0000%	510565	5207	98.1	3	30	30	0	1.9586E-06
35	51.50	ENKETONE	0.0117	38.1469%	38084	672	56.6	2	35	30	0	3.0672E-07

TOTAL AMOUNT = 0.0306

DATASET SF5541

Plot of data file: A:M\2CLE47.PTS
Date: 09-23-1988 Time: 12:57:57
Sample Name: Endrin
Start Time= 1.82Stop Time = 60.27Min. Scale= 6624Max. Scale= 38370



DATASET SF5541

NEW TIMED EVENTS FROM A:2PESTB

***** INTERNAL STANDARD TABLE *****

********** 09-30-1988 14:53:02 Version 4.1 **********

* Sample Name: Endrin Data File: a:m\1cle47 *
* Date: 09-25-1988 19:37:44 Method: A:2PESTB 09-30-1988 14:42:40 # 4 *
* Interface: 0 Cycle#: 47 Operator LIN Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *

****

* Instrument Type: TRACOR 540 Column Type: 0-SP2100; 1-Mixed Ph *
* Solvent Description: NITROGEN *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250 *
* Detector 0: ECD Detector 1: ECD *
* Misc. Information: *

****

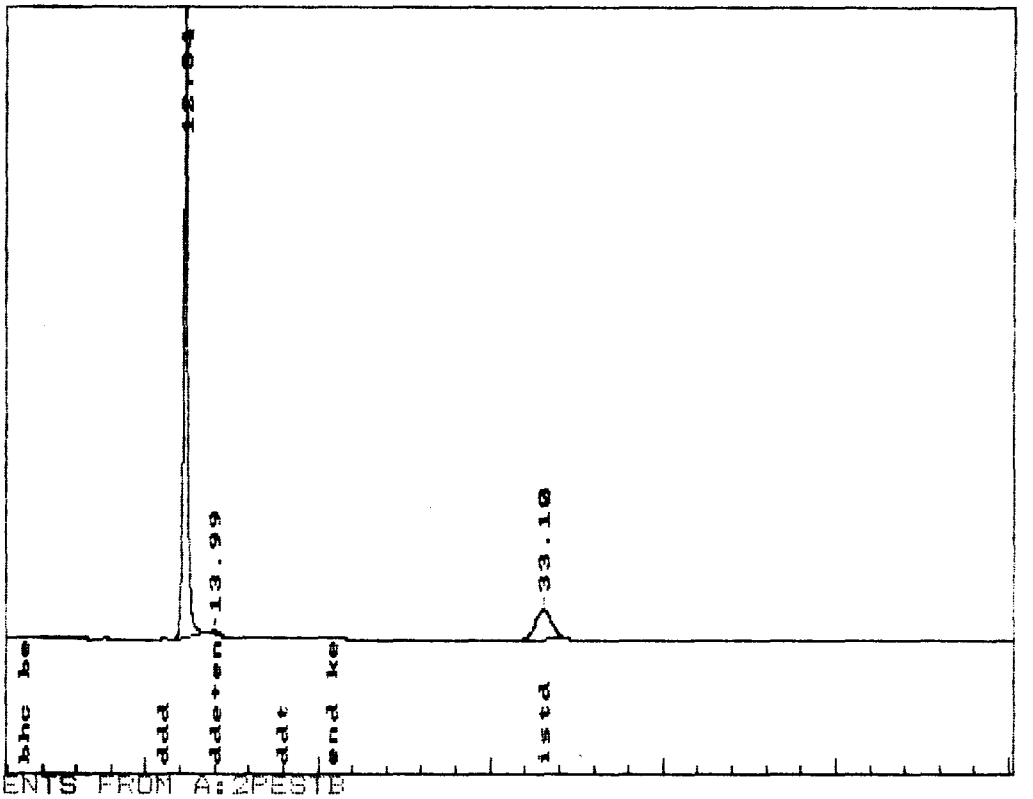
Starting Delay: 1.80 Ending retention time: 60.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 5.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/l	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
2	13.99	dde+end ald	0.0000	100.0000%	9051	295	30.6	1	2	3	0	4.9490E-12
3	33.10	istd	0.0000	0.0000%	267013	4090	65.3	1	3	3	0	1.1955E-11

TOTAL AMOUNT = 0.0000

DATASET SF5541

Plot of data file: a:m\1cle47.PTS
Date: 09-30-1988 Time: 14:53:31
Sample Name: Endrin
Start Time= 1.82Stop Time = 60.27Min. Scale= 6530Max. Scale= 94117



NEW TIMED EVENTS FROM A:2PESTB

DATASET SF5541

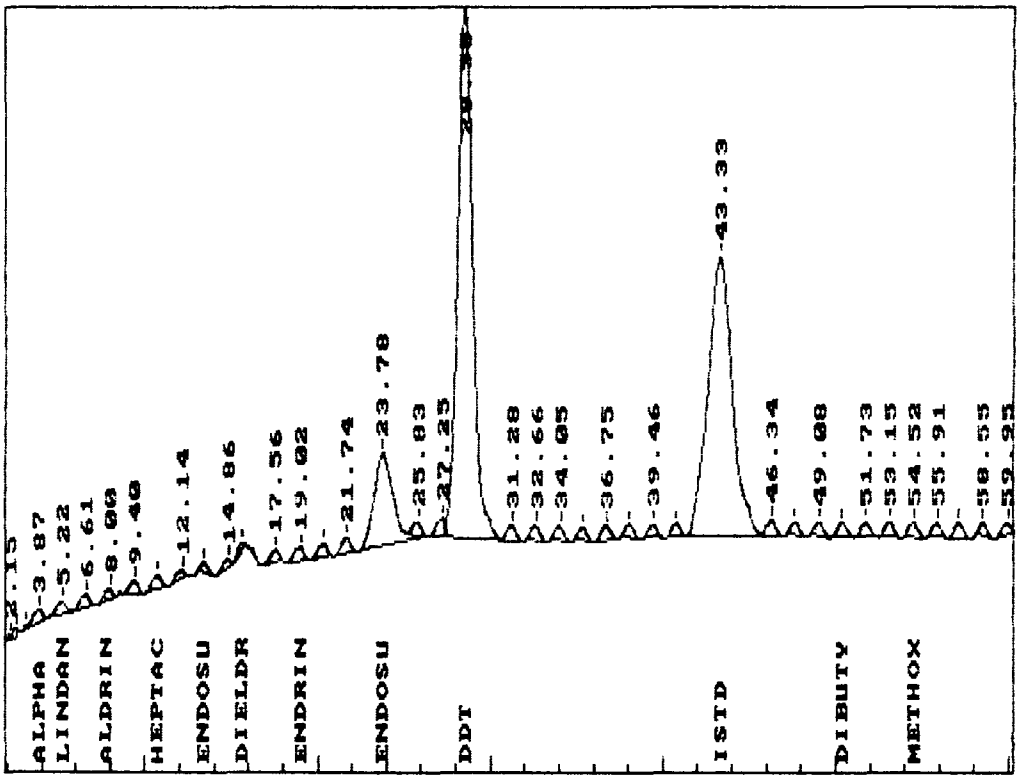
```
******   INTERNAL STANDARD TABLE   ******
******************** 09-24-1988 13:28:06 Version 4.1 **********************
* Sample Name: DDT                                Data File: A:M\2CLE62    *
* Date: 09-26-1988 16:27:53 Method: A:1PESTA 09-23-1988 09:17:00  #  82   *
* Interface: 0   Cycle#:  62   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: .5  Area Threshold: 100           *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                             *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                 *
*            Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                     *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        5.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
4	3.87	ALPHA BHC	0.0051	1.9956%	8610	248	34.7	2	4	30	0	5.9695E-07
5	5.22	LINDANE	0.0108	4.2034%	7697	237	32.4	1	5	30	0	1.4065E-06
6	6.61	HEPTACHLOR	0.0079	3.0790%	7332	224	32.8	1	5	30	2.707	1.0817E-06
7	8.00	ALDRIN	0.0104	4.0374%	6320	205	30.8	1	5	30	3.093	1.6455E-06
9	10.70	HEPTACHLOR EPOXIDE	0.0060	2.3381%	9205	277	33.2	1	9	30	0	6.5420E-07
11	13.39	ENDOSULFAN I	0.0131	5.1033%	4866	173	28.1	1	11	30	0	2.7014E-06
13	15.63	DIELDRIN	0.0298	11.5685%	2586	106	24.4	1	13	30	0	1.1521E-05
15	19.02	ENDRIN	0.0301	11.6875%	9666	271	35.7	1	15	30	0	3.1143E-06
18	23.78	ENDOSULFAN II	0.0195	7.5765%	138151	1827	75.6	3	18	30	0	1.4125E-07
21	28.55	DDT	0.1150	44.6637%	626978	10581	59.3	2	21	30	0	1.8348E-07
30	43.33	ISTD	1.0000	0.0000%	539642	5530	97.6	2	30	30	0	1.8531E-06
34	50.40	DIBUTYLCHLOR	-0.0061	-2.3722%	10161	276	36.8	1	34	30	0	-6.0129E-07
37	54.52	METHOXYCHLOR	0.0158	6.1191%	10222	300	34.1	1	37	30	0	1.5418E-06

TOTAL AMOUNT = 0.2576

DATASET SF5541

Plot of data file: A:M\2CLE62.PTS
Date: 09-24-1988 Time: 13:28:50
Sample Name: DDT
Start Time= 1.82Stop Time = 60.27Min. Scale= 7161Max. Scale= 19786



DATASET SF5541

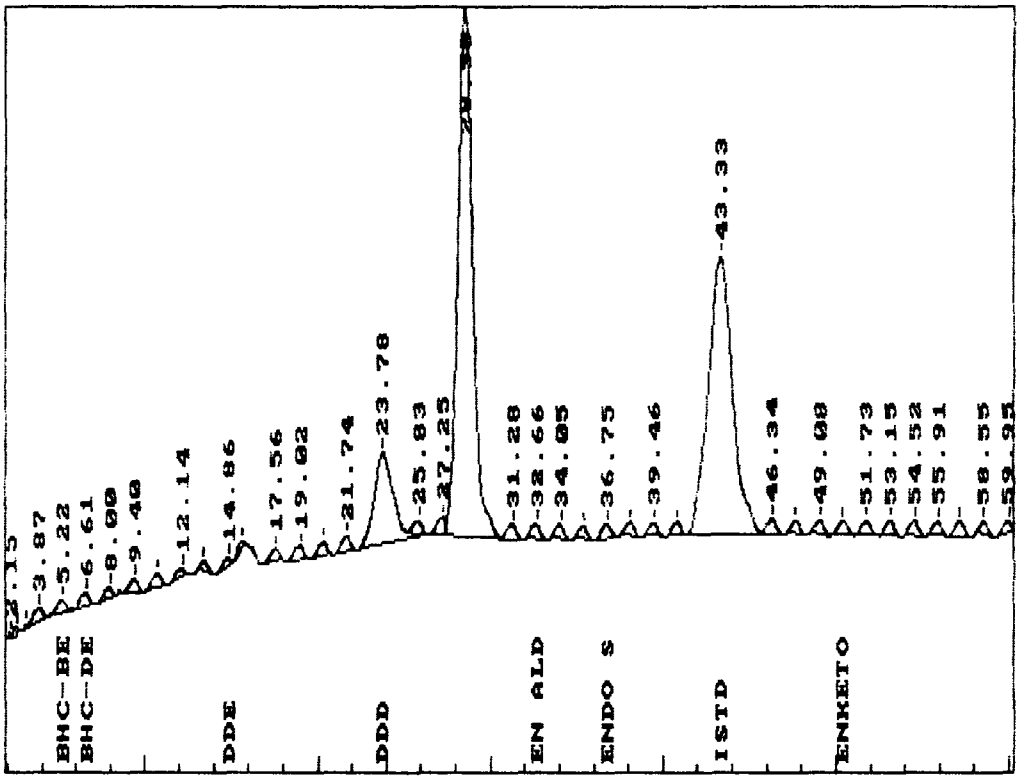
```
******      INTERNAL STANDARD TABLE      ******
******************** 09-24-1988 13:30:37 Version 4.1 **********************
* Sample Name: DDT                                Data File: A:M\2CLE62    *
* Date: 09-26-1988 16:27:53 Method: A:1PESTB 09-23-1988 12:01:34  #  34    *
* Interface: 0   Cycle#:  62   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: .5  Area Threshold: 100            *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        5.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
5	5.22	BHC-BETA	0.0017	3.2468%	7697	237	32.4	1	5	30	0	2.1575E-07
6	6.61	BHC-DELTA	0.0178	34.7177%	7332	224	32.8	1	6	30	0	2.4221E-06
12	14.86	DDE	0.0033	6.4512%	4129	135	30.5	1	12	30	0	7.9914E-07
18	23.78	DDD	0.0288	56.3260%	138151	1827	75.6	3	18	30	0	2.0855E-07
23	32.66	EN ALDEHYDE	-0.0046	-9.0749%	10056	291	34.6	1	23	30	0	-4.6162E-07
26	36.75	ENDO SULFATE	-0.0014	-2.7234%	9585	284	33.8	1	26	30	0	-1.4533E-07
30	43.33	ISTD	1.0000	0.0000%	539642	5530	97.6	2	30	30	0	1.8531E-06
34	50.40	ENKETONE	0.0057	11.0566%	10161	276	36.8	1	34	30	0	5.5657E-07

TOTAL AMOUNT = 0.0512

Plot of data file: A:M\2CLE62.PTS
Date: 09-24-1988 Time: 13:31:16
Sample Name: DDT
Start Time= 1.82Stop Time = 60.27Min. Scale= 7161Max. Scale= 19786

DATASET SF5541



DATASET SF5541

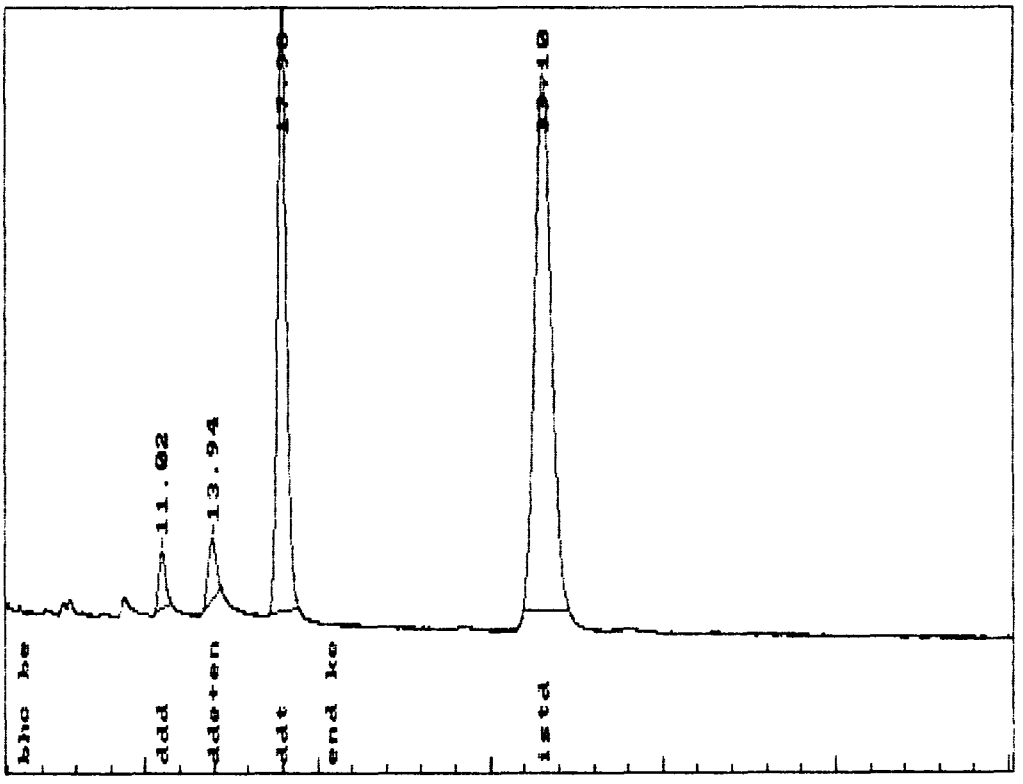
```
*****   INTERNAL STANDARD TABLE   *****
******************** 09-30-1988 15:00:22 Version 4.1 **********************
* Sample Name: DDT                                  Data File: a:m\1cle62    *
* Date: 09-26-1988 16:28:05 Method: A:2PESTB 09-30-1988 14:42:40  #  4      *
* Interface: 0   Cycle#:  62   Operator LIN Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100              *
*****************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                                *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                    *
*            Detector 0: ECD                  Detector 1: ECD               *
* Misc. Information:                                                        *
*****************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        5.00                 Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/l	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	11.02	ddd	0.0000	0.0000%	9626	379	25.4	1	1	4	0	6.6568E-12
2	13.94	dde+end ald	0.0000	0.0000%	12809	405	31.6	1	2	4	0	5.3469E-13
3	17.98	ddt	5.3547	100.0000%	148879	4232	35.2	1	4		.2651	3.5967E-05
4	33.10	istd	0.0000	0.0000%	247143	3748	65.9	1	4	4	0	1.2916E-11

TOTAL AMOUNT = 5.3547

DATASET SF5541

Plot of data file: a:m\1cle62.PTS
Date: 09-30-1988 Time: 15:01:03
Sample Name: DDT
Start Time= 1.82Stop Time = 60.27Min. Scale= 6359Max. Scale= 10799



DATASET SF5541

***** INTERNAL STANDARD TABLE *****

********** 09-24-1988 13:34:23 Version 4.1 **********

* Sample Name: Endrin Data File: A:M\2CLE63 *
* Date: 09-26-1988 16:31:44 Method: A:1PESTA 09-23-1988 09:17:00 # 82 *
* Interface: 0 Cycle#: 63 Operator LIN Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: .1 Area Threshold: 100 *

****

* Instrument Type: TRACOR 540 Column Type: 0-SP2100; 1-Mixed Ph *
* Solvent Description: NITROGEN *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250 *
* Detector 0: ECD Detector 1: ECD *
* Misc. Information: *

****

Starting Delay: 1.80 Ending retention time: 60.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 5.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
5	5.66	HEPTACHLOR	0.0080	3.0321%	8697	242	35.9	2	5	30	0	9.1947E-07
6	6.99	ALDRIN	0.0107	4.0455%	12205	298	41.0	2	6	30	0	8.7414E-07
9	10.88	HEPTACHLOR EPOXIDE	0.0064	2.4391%	16515	333	49.6	2	9	30	0	3.8949E-07
11	13.51	ENDOSULFAN I	0.0138	5.2260%	15230	354	43.1	2	11	30	0	9.0490E-07
13	16.13	DIELDRIN	0.0303	11.4728%	15942	358	44.6	2	13	30	0	1.8979E-06
15	19.79	ENDRIN	0.1464	55.5054%	1405806	34680	40.5	3	15	30	0	1.0412E-07
18	24.06	ENDOSULFAN II	0.0095	3.5984%	34316	571	60.1	4	18	30	0	2.7653E-07
21	28.07	DDT	0.0280	10.6026%	19865	426	46.6	2	21	30	0	1.4076E-06
30	43.10	ISTD	1.0000	0.0000%	564070	5763	97.9	3	30	30	0	1.7728E-06
35	50.86	DIBUTYLCHLOR	-0.0045	-1.6984%	24983	498	50.2	3	35	30	0	-1.7928E-07
39	56.08	METHOXYCHLOR	0.0152	5.7765%	9461	262	36.1	2	39	30	0	1.6101E-06

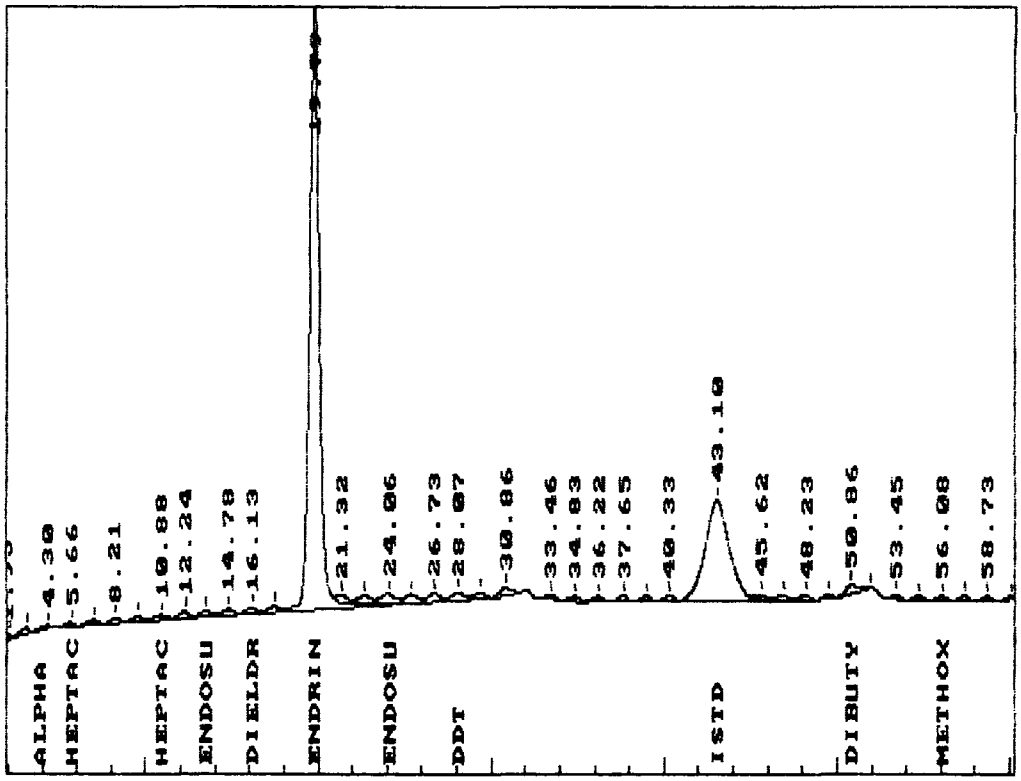
TOTAL AMOUNT = 0.2637

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
ALPHA BHC	3.84	ALPHA BHC
LINDANE	4.82	LINDANE

DATASET SF5541

Plot of data file: A:M\2CLE63.PTS
Date: 09-24-1988 Time: 13:35:00
Sample Name: Endrin
Start Time= 1.82Stop Time = 60.27Min. Scale= 6830Max. Scale= 43285



DATASET SF5541

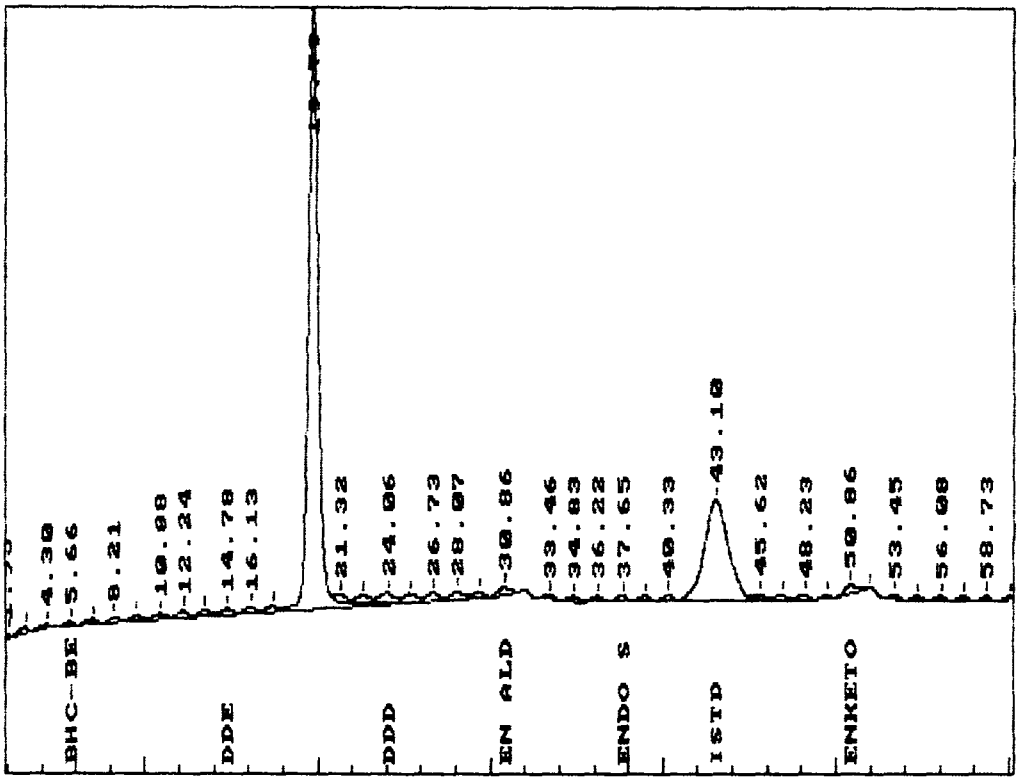
```
******   INTERNAL STANDARD TABLE   ******
******************** 09-24-1988 13:36:48 Version 4.1 **********************
* Sample Name: Endrin                          Data File: A:M\2CLE63     *
* Date: 09-26-1988 16:31:44 Method: A:1PESTB 09-23-1988 12:01:34  #  34   *
* Interface: 0   Cycle#:  63   Operator LIN Channel#: 1    Vial#: N.A.   *
* Starting Peak Width:  10   Threshold: .1  Area Threshold: 100          *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*            Solvent Description: NITROGEN                               *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                 *
*            Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                     *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        5.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
5	5.66	BHC-BETA	0.0018	5.9908%	8697	242	35.9	2	5	30	0	2.1129E-07
12	14.78	DDE	0.0041	13.4490%	16495	354	46.6	2	12	30	0	2.5008E-07
18	24.06	DDD	0.0212	69.0394%	34316	571	60.1	4	18	30	0	6.1708E-07
23	30.86	EN ALDEHYDE	-0.0041	-13.2623%	17501	408	42.9	1	23	30	0	-2.3243E-07
27	37.65	ENDO SULFATE	-0.0008	-2.6250%	12886	329	39.1	2	27	30	0	-6.2484E-08
30	43.10	ISTD	1.0000	0.0000%	564070	5763	97.9	3	30	30	0	1.7728E-06
35	50.86	ENKETONE	0.0084	27.4081%	24983	498	50.2	3	35	30	0	3.3650E-07

TOTAL AMOUNT = 0.0307

DATASET SF5541

Plot of data file: A:M\2CLE63.PTS
Date: 09-24-1988 Time: 13:39:55
Sample Name: Endrin
Start Time= 1.82Stop Time = 60.27Min. Scale= 6830Max. Scale= 43285



DATASET SF5541

NEW TIMED EVENTS FROM A:2PESTB

***** INTERNAL STANDARD TABLE *****

********** 09-30-1988 15:05:11 Version 4.1 **********

* Sample Name: Endrin Data File: a:m\1cle63 *
* Date: 09-26-1988 16:31:55 Method: A:2PESTB 09-30-1988 14:42:40 # 4 *
* Interface: 0 Cycle#: 63 Operator LIN Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *

****

* Instrument Type: TRACOR 540 Column Type: 0-SP2100; 1-Mixed Ph *
* Solvent Description: NITROGEN *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250 *
* Detector 0: ECD Detector 1: ECD *
* Misc. Information: *

****

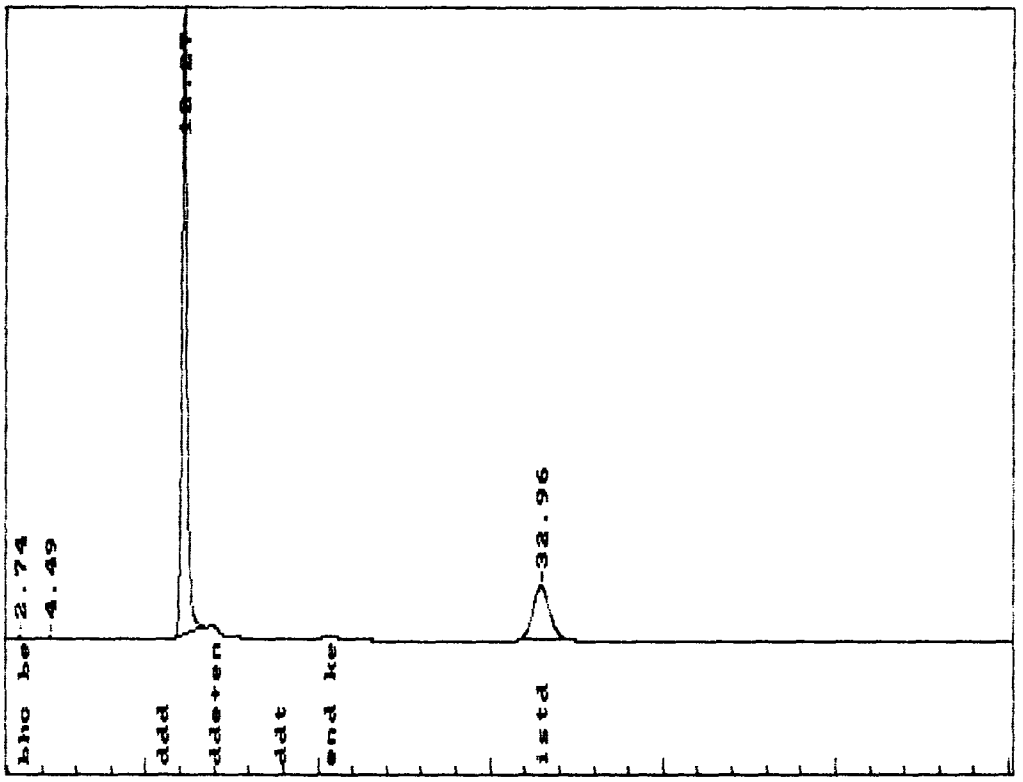
Starting Delay: 1.80 Ending retention time: 60.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 5.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/l	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
4	32.96	istd	0.0000	0.0000%	241686	3694	65.4	1	4	4	0	1.3208E-11

TOTAL AMOUNT = 0.0000

DATASET SF5541

Plot of data file: a:m\1cle63.PTS
Date: 09-30-1988 Time: 15:06:13
Sample Name: Endrin
Start Time= 1.82Stop Time = 60.27Min. Scale= 6331Max. Scale= 50561



DATASET SF5541

```
******   INTERNAL STANDARD TABLE   ******
******************** 09-23-1988 15:08:44 Version 4.1 **********************
* Sample Name: Method Blank                          Data File: A:M\2CLE48    *
* Date: 09-25-1988 20:43:53 Method: A:1PESTA 09-23-1988 09:17:00  #  82      *
* Interface: 0   Cycle#:  48   Operator LIN Channel#: 1    Vial#: N.A.       *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100               *
*****************************************************************************
* Instrument Type: TRACOR 540            Column Type: 0-SP2100; 1-Mixed Ph  *
*              Solvent Description: NITROGEN                                 *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                     *
*             Detector 0: ECD                  Detector 1: ECD               *
* Misc. Information:                                                         *
*****************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        5.00                 Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
3	4.56	LINDANE	0.1133	8.6138%	10204	316	32.3	1	3	15	0	1.1102E-05
4	5.91	HEPTACHLOR	0.0782	5.9462%	3458	140	24.6	1	4	15	0	2.2615E-05
7	12.92	ENDOSULFAN I	0.1550	11.7838%	24779	702	35.3	2	7	15	0	6.2542E-06
9	17.03	DIELDRIN	0.3048	23.1740%	13007	334	38.9	1	9	15	0	2.3431E-05
10	21.02	ENDRIN	0.2952	22.4495%	1844	90	20.5	1	9	15	1.906	1.6010E-04
12	29.35	DDT	0.2648	20.1367%	5290	196	27.0	1	12	15	0	5.0061E-05
15	43.15	ISTD	1.0000	0.0000%	328747	3495	94.1	1	15	15	0	3.0419E-06
16	50.15	DIBUTYLCHLOR	-0.0654	-4.9766%	3957	133	29.6	1	16	15	0	-1.6538E-05
18	57.01	METHOXYCHLOR	0.1693	12.8726%	7811	253	30.9	1	18	15	0	2.1675E-05

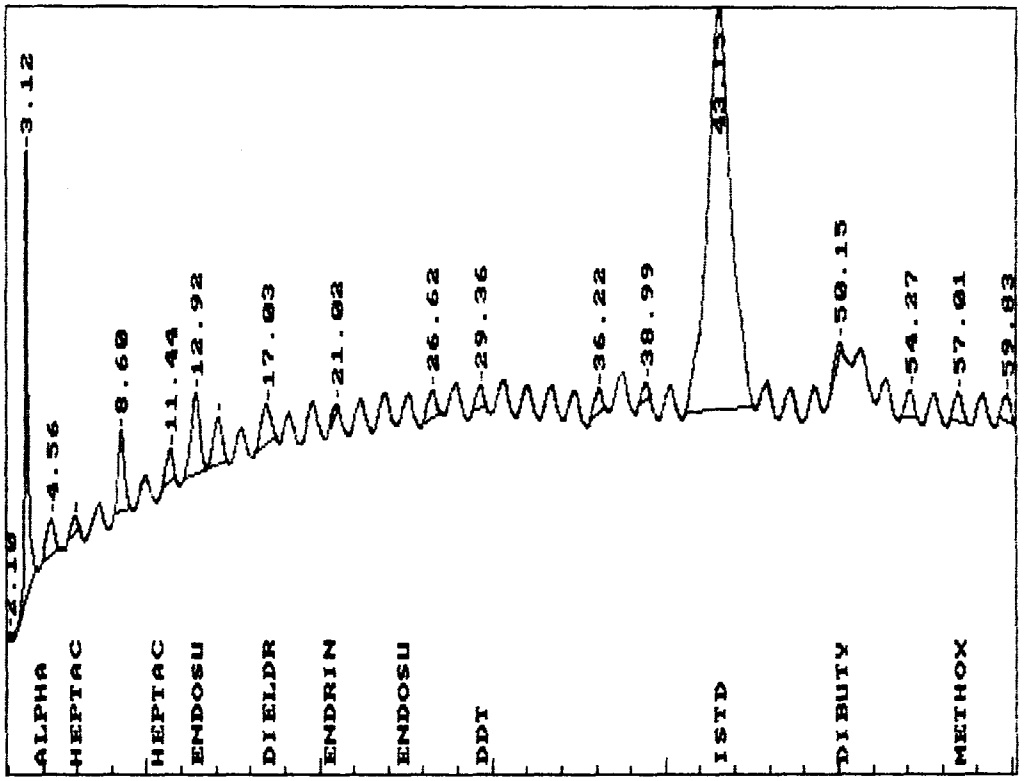
TOTAL AMOUNT = 1.3152

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
ALPHA BHC	3.84	ALPHA BHC
ALDRIN	7.12	ALDRIN
HEPTACHLOR EPOXIDE	10.61	HEPTACHLOR EPOXIDE
ENDOSULFAN II	24.89	ENDOSULFAN II

DATASET SF5541

Plot of data file: A:M\2CLE48.PTS
Date: 09-23-1988 Time: 15:10:01
Sample Name: Method Blank
Start Time= 1.82Stop Time = 60.27Min. Scale= 6920Max. Scale= 12431



DATASET SF5541

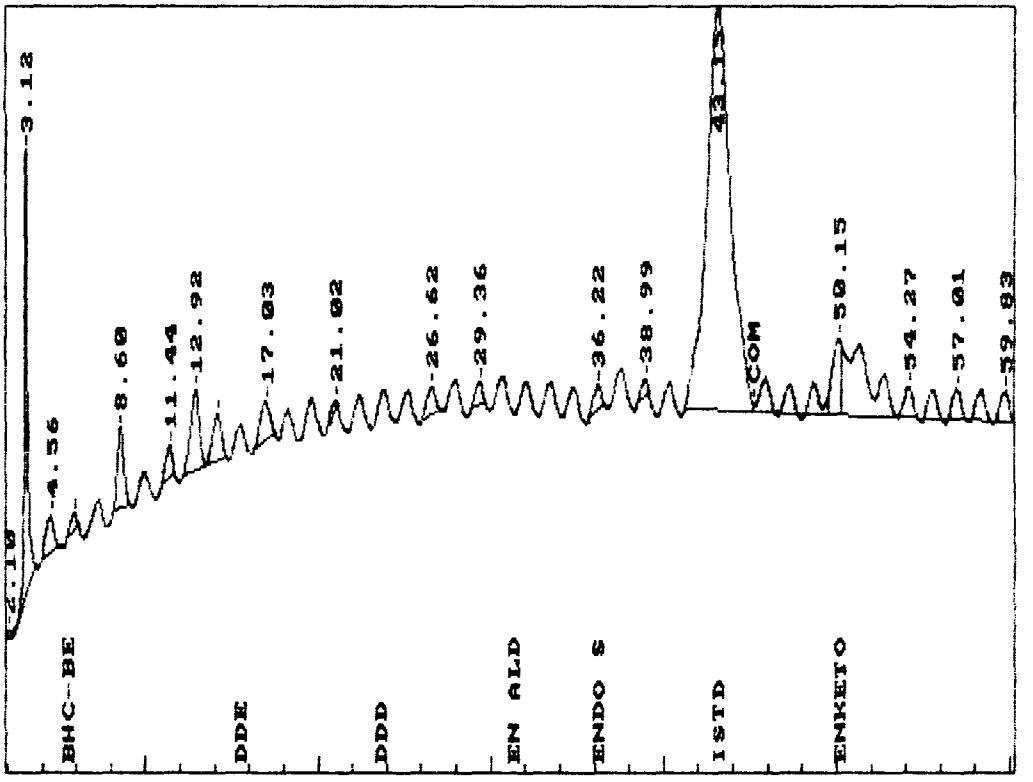
```
******   INTERNAL STANDARD TABLE   ******
******************** 09-24-1988 09:44:57 Version 4.1 **********************
* Sample Name: Method Blank                    Data File: A:M\2CLE48     *
* Date: 09-25-1988 20:43:53 Method: A:1PESTB 09-23-1988 12:01:34  #  34  *
* Interface: 0   Cycle#:  48   Operator LIN Channel#: 1    Vial#: N.A.   *
* Starting Peak Width:  11   Threshold: 1  Area Threshold: 100           *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                            *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                *
*            Detector 0: ECD                  Detector 1: ECD           *
* Misc. Information:                                                    *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        5.00               Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
13	36.22	ENDO SULFATE	-0.0151	-16.6210%	5687	201	28.3	1	13	15	0	-2.6471E-06
15	43.15	ISTD	1.0000	0.0000%	338744	3537	95.8	2	15	15	0	2.9521E-06
16	50.15	ENKETONE	0.1056	116.6210%	21763	664	32.8	2	16	15	0	4.8537E-06

TOTAL AMOUNT = 0.0906

DATASET SF5541

Plot of data file: A:M\2CLE48.PTS
Date: 09-24-1988 Time: 09:45:35
Sample Name: Method Blank
Start Time= 1.82Stop Time = 60.27Min. Scale= 6920Max. Scale= 12431



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB42

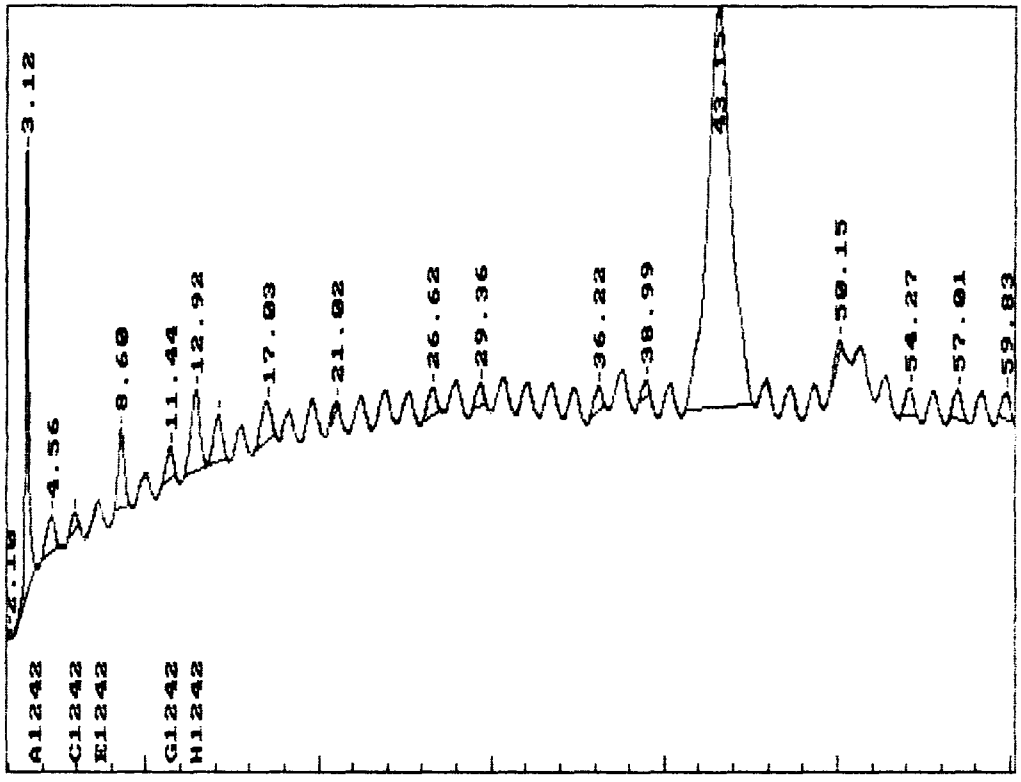
```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-28-1988 14:03:46 Version 4.1 **********************
* Sample Name: Method Blank                    Data File: a:m\2cle48     *
* Date: 09-25-1988 20:43:53 Method: A:PCB42 09-28-1988 13:11:09  #  14   *
* Interface: 0   Cycle#:  48   Operator LIN Channel#: 1    Vial#: N.A.   *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100           *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                            *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                *
*            Detector 0: ECD                  Detector 1: ECD           *
* Misc. Information:                                                    *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:       10.00
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	4.56	B1242	0.4905	47.2490%	10204	316	32.3	1	3	0	4.8072E-05
4	5.91	C1242	0.3648	35.1371%	3458	140	24.6	1	4	0	1.0549E-04
5	8.60	F1242	0.1667	16.0564%	16590	694	23.9	1	5	0	1.0048E-05
6	11.44	G1242	-0.2711	-26.1105%	7199	272	26.4	1	6	0	-3.7652E-05
7	12.92	H1242	0.2872	27.6681%	24779	702	35.3	2	7	0	1.1592E-05

TOTAL AMOUNT = 1.0382

DATASET SF5541

Plot of data file: a:m\2cle48.PTS
Date: 09-28-1988 Time: 14:04:15
Sample Name: Method Blank
Start Time= 1.82Stop Time = 60.27Min. Scale= 6920Max. Scale= 12431



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB42

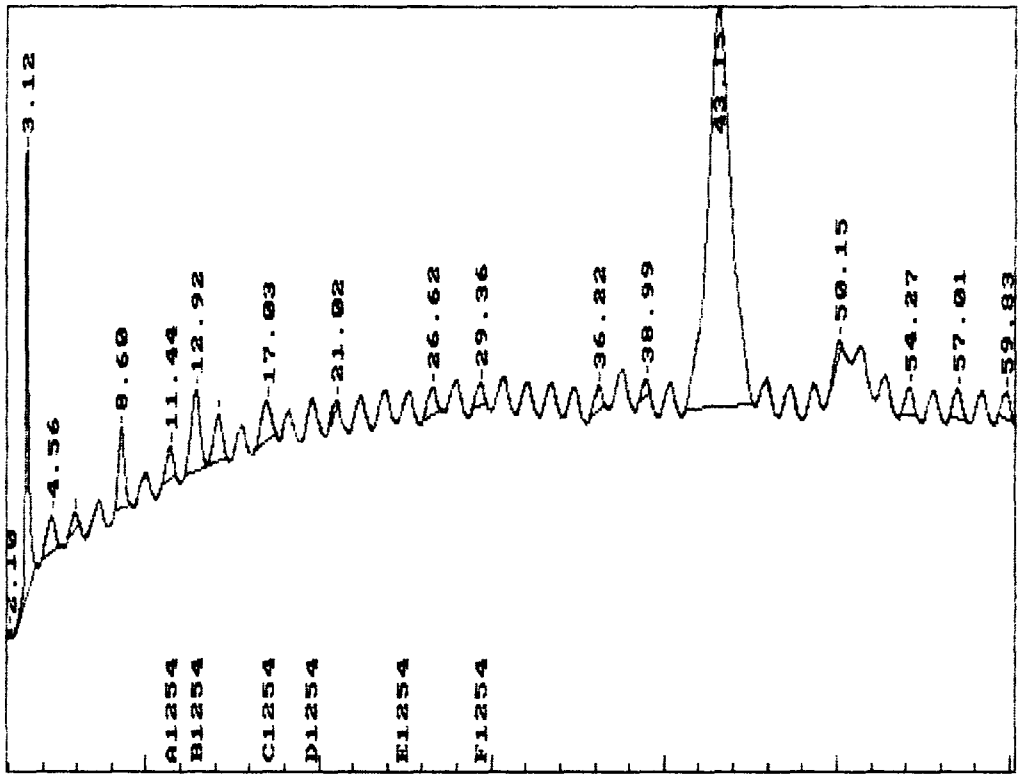
```
******   EXTERNAL STANDARD TABLE   ******
******************** 09-28-1988 15:00:26 Version 4.1 **********************
* Sample Name: Method Blank                          Data File: a:m\2cle48    *
* Date: 09-25-1988 20:43:53 Method: A:PCB54 09-24-1988 14:21:35  #  5        *
* Interface: 0   Cycle#:  48   Operator LIN Channel#: 1    Vial#: N.A.       *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100               *
*****************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph    *
*              Solvent Description: NITROGEN                                 *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                     *
*             Detector 0: ECD                  Detector 1: ECD               *
* Misc. Information:                                                         *
*****************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:        10.00
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
6	11.44	A1254	0.1115	13.7219%	7199	272	26.4	1	6	0	1.5489E-05
7	12.92	B1254	0.3611	44.4307%	24779	702	35.3	2	7	0	1.4571E-05
9	17.03	C1254	0.2626	32.3098%	13007	334	38.9	1	9	0	2.0186E-05
12	29.35	F1254	0.0775	9.5376%	5290	196	27.0	1	12	0	1.4652E-05

TOTAL AMOUNT = 0.8127

DATASET SF5541

Plot of data file: a:m\2cle48.PTS
Date: 09-28-1988 Time: 15:00:56
Sample Name: Method Blank
Start Time= 1.82Stop Time = 60.27Min. Scale= 6920Max. Scale= 12431



DATASET SF5541

NEW TIMED EVENTS FROM A:1PESTA

****** INTERNAL STANDARD TABLE ******

********** 09-23-1988 13:20:51 Version 4.1 **********

* Sample Name: Pest A Low Data File: A:M\2CLE43 *
* Date: 09-25-1988 15:12:12 Method: A:1PESTA 09-23-1988 09:17:00 # 82 *
* Interface: 0 Cycle#: 43 Operator LIN Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: .18 Area Threshold: 100 *

* Instrument Type: TRACOR 540 Column Type: 0-SP2100; 1-Mixed Ph *
* Solvent Description: NITROGEN *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250 *
* Detector 0: ECD Detector 1: ECD *
* Misc. Information: *

Starting Delay: 1.80 Ending retention time: 60.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 5.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

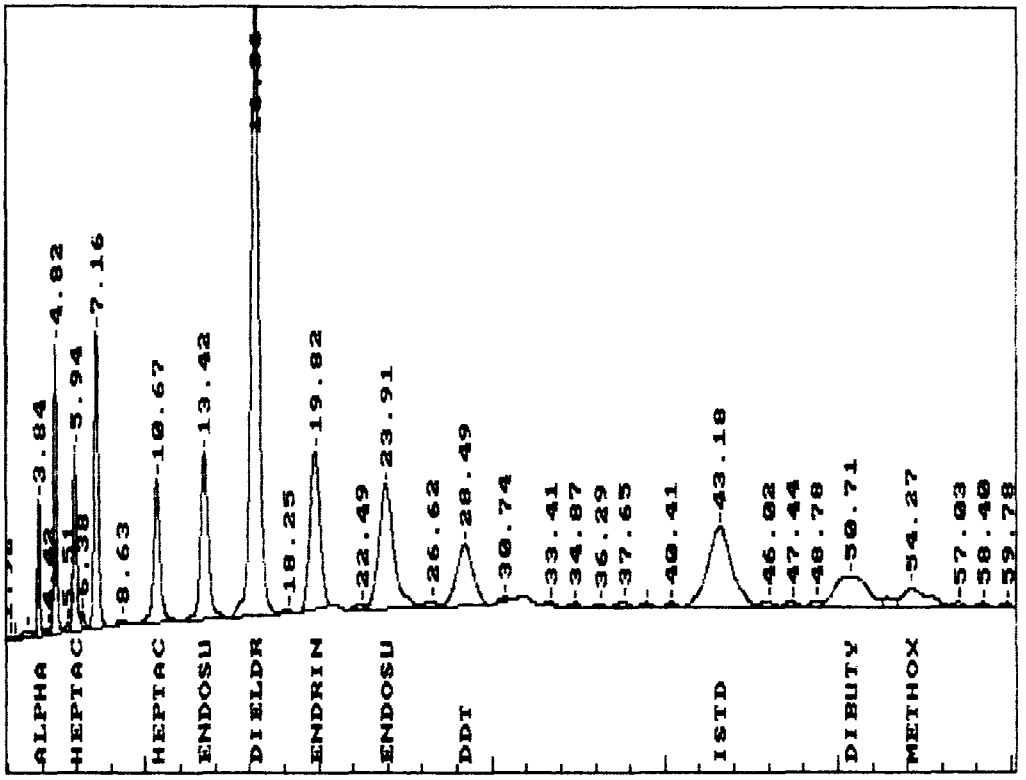
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ~~UG/L~~ ug/ml J.V.	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
5	3.84	ALPHA BHC	0.0100	2.0070%	80485	8535	9.4 3	5	29	0	1.2467E-07
7	4.82	LINDANE	0.0224	4.4739%	201999	18225	11.1 3	7	29	0	1.1073E-07
9	5.94	HEPTACHLOR	0.0191	3.8299%	164462	11517	14.3 3	9	29	0	1.1643E-07
11	7.16	ALDRIN	0.0260	5.1916%	295022	18660	15.8 2	11	29	0	8.7978E-08
13	10.67	HEPTACHLOR EPOXIDE	0.0212	4.2482%	237662	9019	26.4 1	13	29	0	8.9366E-08
14	13.42	ENDOSULFAN I	0.0361	7.2186%	331417	10479	31.6 2	14	29	0	1.0889E-07
15	16.36	DIELDRIN	0.0794	15.8881%	1282158	38607	33.2 3	15	29	0	6.1952E-08
17	19.82	ENDRIN	0.0671	13.4299%	407247	9967	40.9 1	17	29	0	1.6487E-07
19	23.91	ENDOSULFAN II	0.0540	10.8109%	469004	7757	60.5 3	19	29	0	1.1524E-07
21	28.49	DDT	0.0655	13.1103%	263454	3914	67.3 2	21	29	0	2.4879E-07
29	43.18	ISTD	1.0000	0.0000%	505196	5088	99.3 3	29	29	0	1.9794E-06
33	50.71	DIBUTYLCHLOR	0.0258	5.1593%	261125	1930	135.3 2	33	29	0	9.8779E-08
34	54.27	METHOXYCHLOR	0.0732	14.6322%	129017	1240	104.0 2	34	29	0	5.6701E-07

TOTAL AMOUNT = 0.4999

J.V. 9-27-88

DATASET SF5541

Plot of data file: A:M\2CLE43.PTS
Date: 09-23-1988 Time: 13:21:25
Sample Name: Fest A Low
Start Time= 1.82Stop Time = 60.27Min. Scale= 6686Max. Scale= 46723



DATASET SF5541

NEW TIMED EVENTS FROM A:1PESTA

```
******   INTERNAL STANDARD TABLE   ******
******************** 09-23-1988 13:24:04 Version 4.1 **********************
* Sample Name: Pest A Med                          Data File: A:M\2CLE44    *
* Date: 09-25-1988 16:18:32 Method: A:1PESTA 09-23-1988 09:17:00  #  82    *
* Interface: 0   Cycle#:  44   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: .5  Area Threshold: 100            *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*            Solvent Description: NITROGEN                                *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*            Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:   1.80                      Ending retention time:   60.00
Area reject:        0                       One sample per   1.002 sec.
Amount injected:       5.00                 Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:         1.000000
```

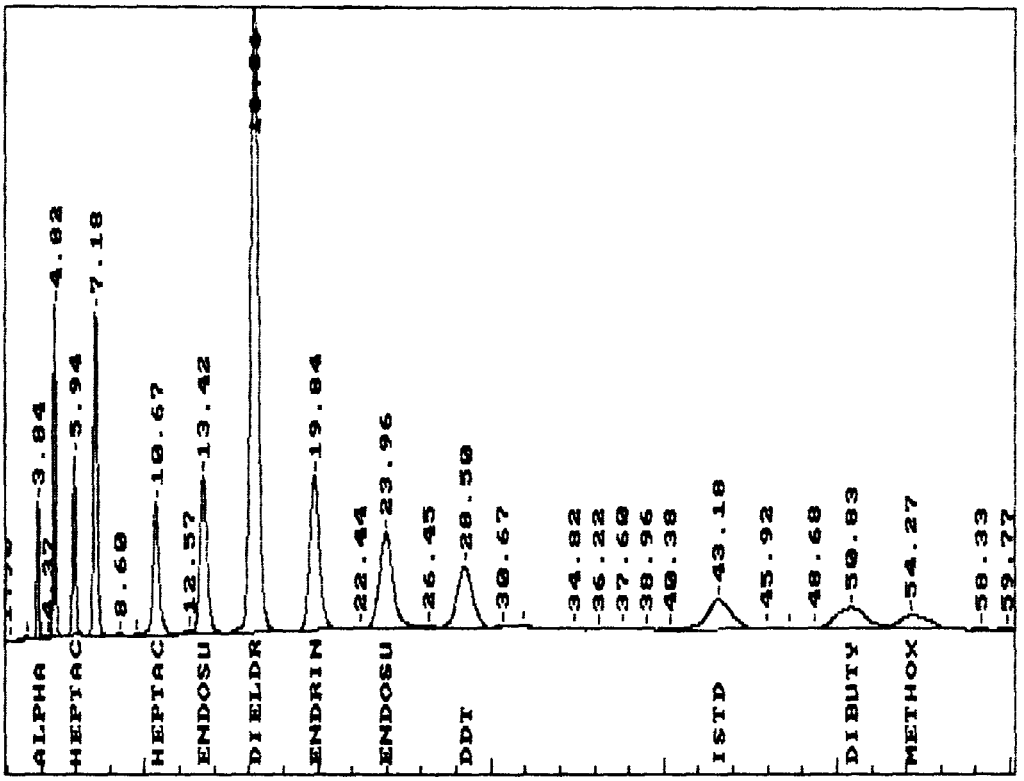
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ml I.U.	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
4	3.84	ALPHA BHC	0.0179	1.8712%	198364	23835	8.3	3	4	27	0	9.0418E-08
6	4.82	LINDANE	0.0433	4.5155%	557700	58337	9.6	2	6	27	0	7.7608E-08
7	5.94	HEPTACHLOR	0.0337	3.5163%	370768	31267	11.9	1	7	27	0	9.0905E-08
8	7.18	ALDRIN	0.0531	5.5382%	803054	56923	14.1	1	8	27	0	6.6103E-08
11	10.67	HEPTACHLOR EPOXIDE	0.0425	4.4362%	560713	23092	24.3	2	11	27	0	7.5836E-08
13	13.42	ENDOSULFAN I	0.0667	6.9604%	771422	27721	27.8	2	13	27	0	8.6485E-08
14	16.36	DIELDRIN	0.1666	17.3832%	3547135	109705	32.3	1	14	27	0	4.6973E-08
15	19.84	ENDRIN	0.1257	13.1157%	1041957	26913	38.7	1	15	27	0	1.2065E-07
17	23.96	ENDOSULFAN II	0.0999	10.4266%	924829	16691	55.4	3	17	27	0	1.0806E-07
19	28.50	DDT	0.1269	13.2379%	667627	10830	61.6	2	19	27	0	1.9006E-07
27	43.18	ISTD	1.0000	0.0000%	507638	5280	96.1	2	27	27	0	1.9699E-06
31	50.83	DIBUTYLCHLOR	0.0484	5.0508%	441636	3638	121.4	2	31	27	0	1.0962E-07
32	54.27	METHOXYCHLOR	0.1337	13.9480%	256246	2394	107.0	2	32	27	0	5.2174E-07

TOTAL AMOUNT = 0.9585

I.U. 9-29-88

DATASET SF5541

Plot of data file: A:M\2CLE44.PTS
Date: 09-23-1988 Time: 13:24:39
Sample Name: Pest A Med
Start Time= 1.82Stop Time = 60.27Min. Scale= 6656Max. Scale= 118047



DATASET SF5541

NEW TIMED EVENTS FROM A:1PESTA

****** INTERNAL STANDARD TABLE ******

********** 09-23-1988 13:27:13 Version 4.1 **********

* Sample Name: Pest A High Data File: A:M\2CLE45 *
* Date: 09-25-1988 17:24:51 Method: A:1PESTA 09-23-1988 09:17:00 # 82 *
* Interface: 0 Cycle#: 45 Operator LIN Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: .5 Area Threshold: 100 *

****

* Instrument Type: TRACOR 540 Column Type: 0-SP2100; 1-Mixed Ph *
* Solvent Description: NITROGEN *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250 *
* Detector 0: ECD Detector 1: ECD *
* Misc. Information: *

****

Starting Delay: 1.80 Ending retention time: 60.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 5.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

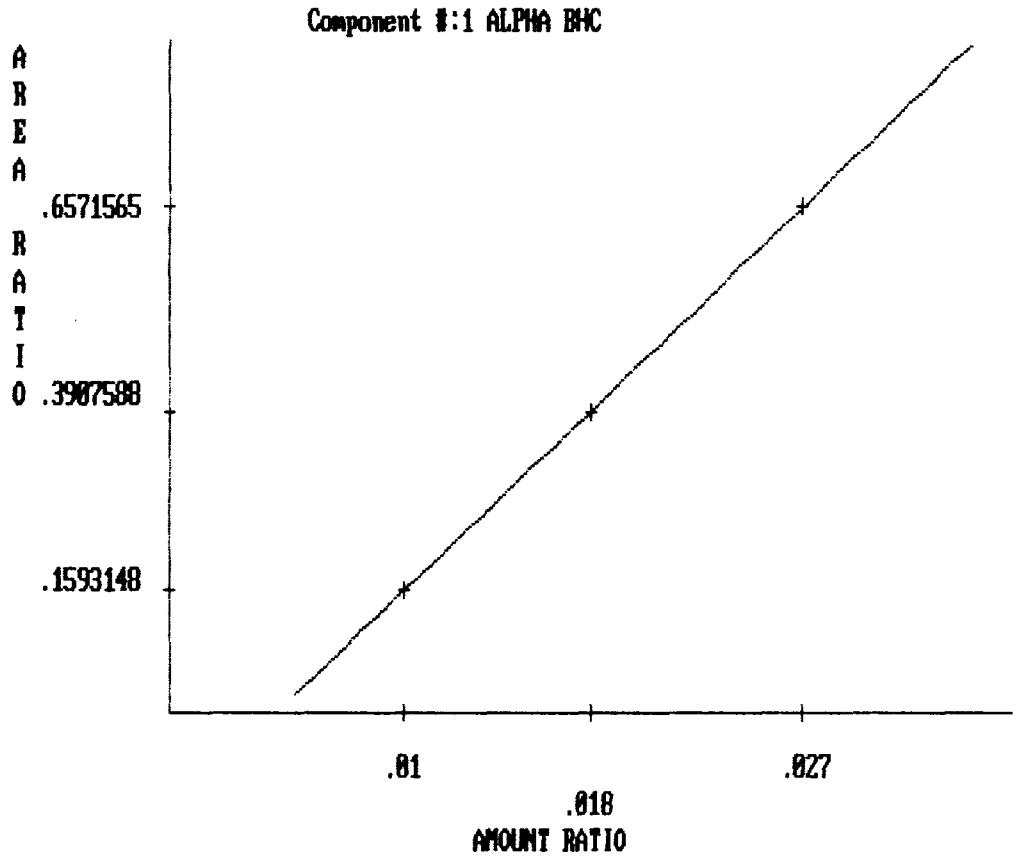
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ml	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
6	3.84	ALPHA BHC	0.0270	1.8171%	321136	40142	8.0	3	6	30	0	8.4171E-08
8	4.82	LINDANE	0.0674	4.5277%	929839	94306	9.9	2	8	30	0	7.2433E-08
9	5.94	HEPTACHLOR	0.0551	3.7073%	648333	52877	12.3	2	9	30	0	8.5061E-08
10	7.18	ALDRIN	0.0830	5.5770%	1310106	90836	14.4	3	10	30	0	6.3323E-08
13	10.67	HEPTACHLOR EPOXIDE	0.0652	4.3857%	870523	37437	23.3	2	13	30	0	7.4942E-08
15	13.42	ENDOSULFAN I	0.1012	6.8028%	1217705	45212	26.9	2	15	30	0	8.3103E-08
16	16.36	DIELDRIN	0.2469	16.6011%	5417930	161747	33.5	1	16	30	0	4.5580E-08
17	19.84	ENDRIN	0.1971	13.2529%	1745805	45269	38.6	3	17	30	0	1.1292E-07
19	23.98	ENDOSULFAN II	0.1590	10.6895%	1452267	26642	54.5	3	19	30	0	1.0949E-07
21	28.50	DDT	0.1966	13.2143%	1083260	18286	59.2	2	21	30	0	1.8146E-07
30	43.20	ISTD	1.0000	0.0000%	488675	5058	96.6	3	30	30	0	2.0464E-06
33	50.66	DIBUTYLCHLOR	0.0758	5.0952%	634023	5173	122.6	2	33	30	0	1.1954E-07
34	54.37	METHOXYCHLOR	0.2132	14.3293%	406639	3804	106.9	2	34	30	0	5.2418E-07

TOTAL AMOUNT = 1.4875

J.V. 9-29-88

DATASET SF5541

Method A:1PESTA
Sample PESTICIDES FOR VALIDATION
Operator AK
Run date 09-23-1988 09:17:00 version: 82
Printed on 09-23-1988 AT 09:18:07
Straight Line fit

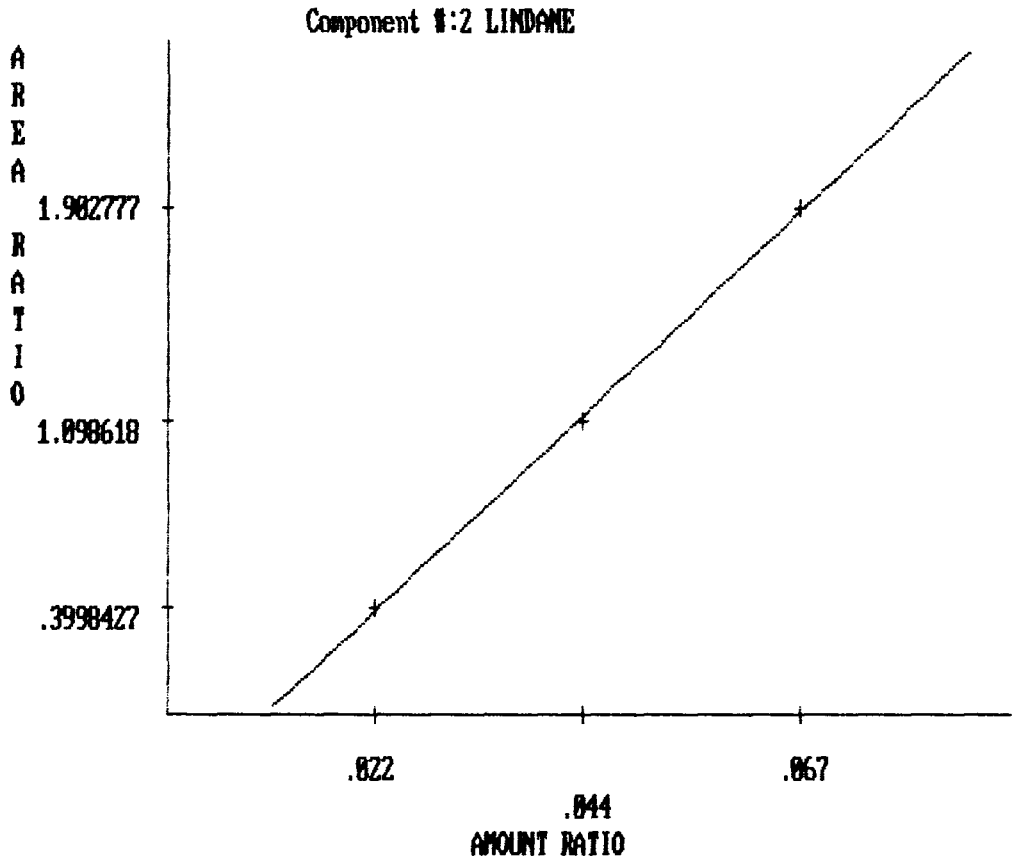


Component 1 = ALPHA BHC
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0270	321136	0.0270	0.6572
2	0.0180	198364	0.0180	0.3908
3	0.0100	80485	0.0100	0.1593

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 2.9291E+01 * Amt ratio + -1.3460E-01
Amt ratio = 3.4140E-02 * Area ratio + 4.5951E-03
Correlation Coefficient = 1.0000

DATASET SF5541



Component 2 = LINDANE
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0670	929839	0.0670	1.9028
2	0.0440	557700	0.0440	1.0986
3	0.0220	201999	0.0220	0.3998

Y = SLOPE * X + INTERCEPT

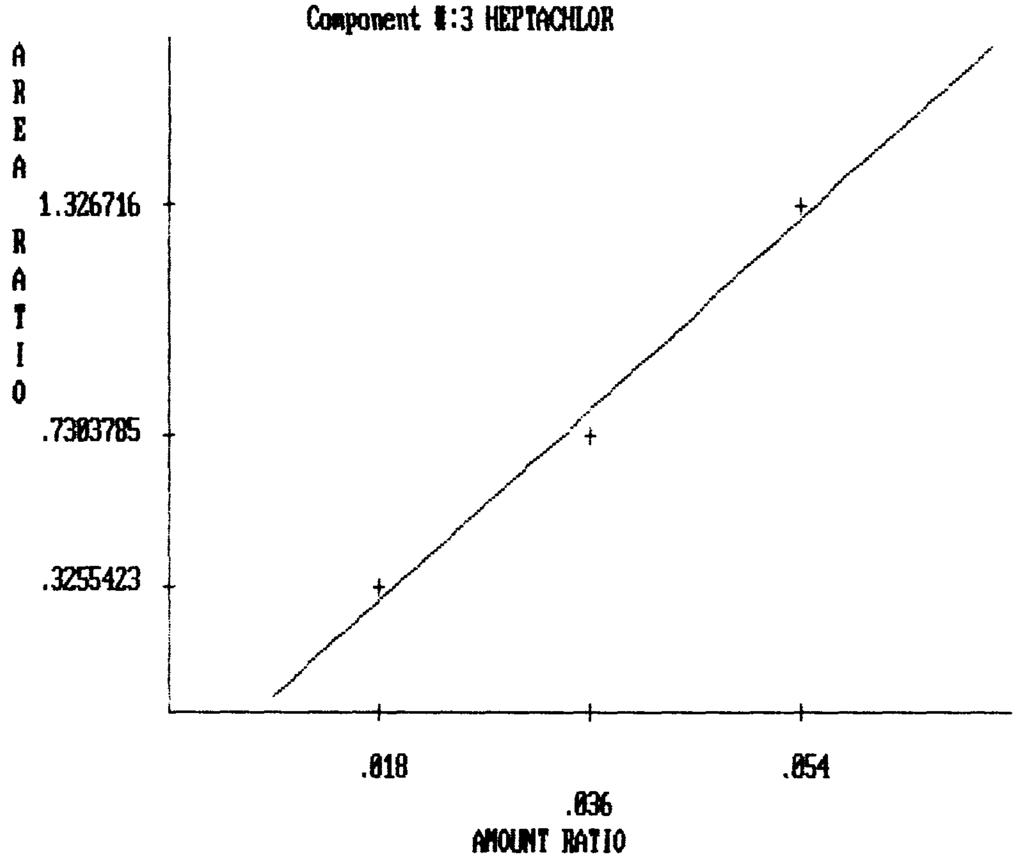
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 3.3410E+01 * Amt ratio + -3.4745E-01

Amt ratio = 2.9931E-02 * Area ratio + 1.0399E-02

Correlation Coefficient = 0.9992

DATASET SF5541

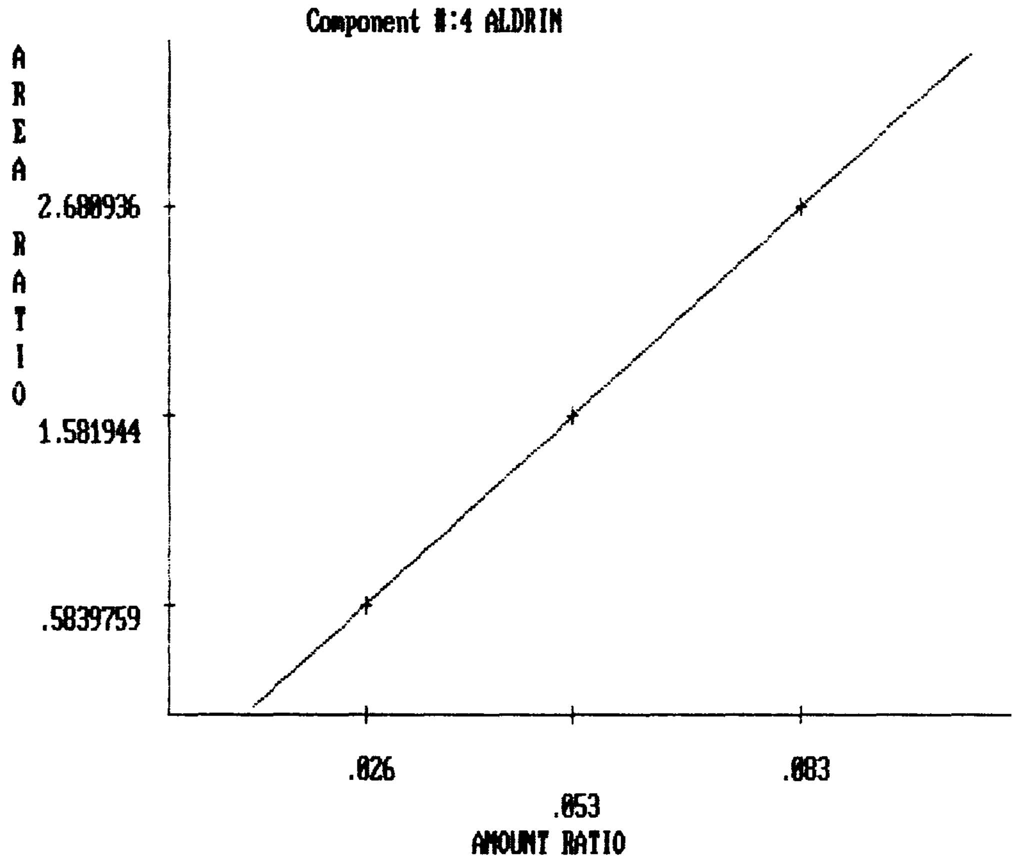


Component 3 = HEPTACHLOR
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0540	648333	0.0540	1.3267
2	0.0360	370768	0.0360	0.7304
3	0.0180	164463	0.0180	0.3255

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 2.7810E+01 * Amt ratio + -2.0696E-01
Amt ratio = 3.5958E-02 * Area ratio + 7.4419E-03
Correlation Coefficient = 0.9880

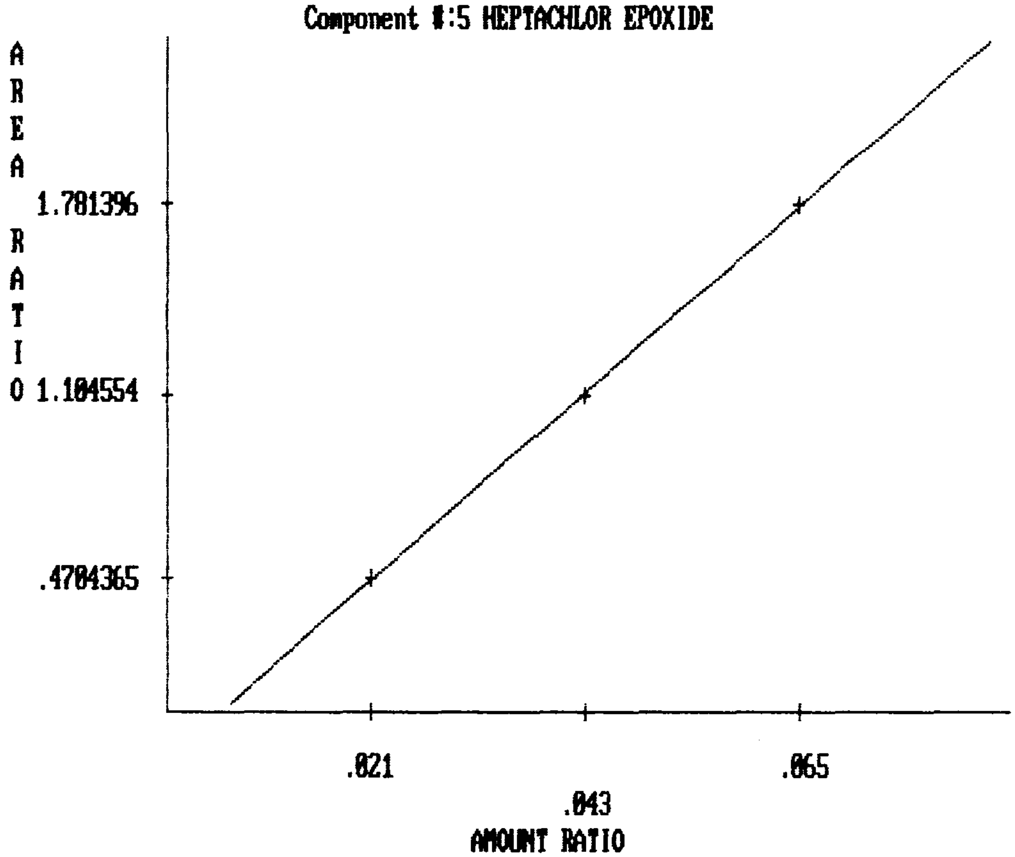
DATASET SF5541



Component 4 = ALDRIN
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0830	1310106	0.0830	2.6809
2	0.0530	803054	0.0530	1.5819
3	0.0260	295022	0.0260	0.5840

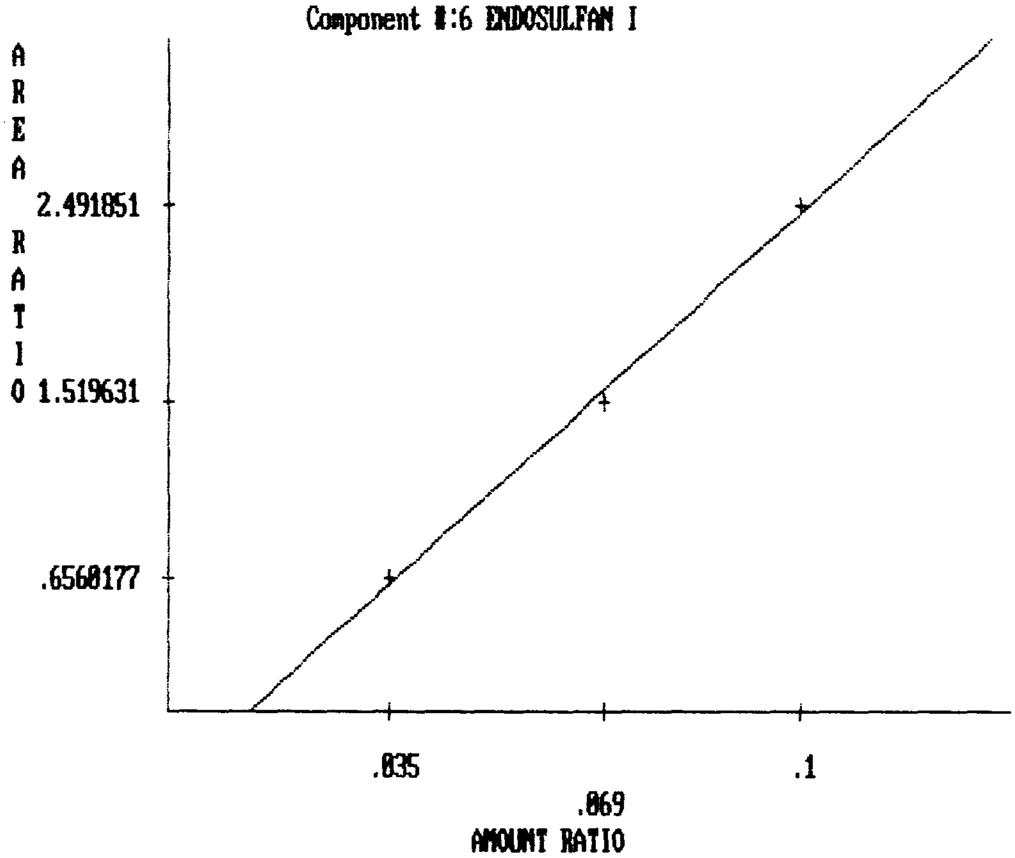
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 3.6786E+01 * Amt ratio + -3.7082E-01
Amt ratio = 2.7184E-02 * Area ratio + 1.0080E-02
Correlation Coefficient = 1.0000



Component 5 = HEPTACHLOR EPOXIDE
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0650	870523	0.0650	1.7814
2	0.0430	560713	0.0430	1.1046
3	0.0210	237662	0.0210	0.4704

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 2.9795E+01 * Amt ratio + -1.6237E-01
Amt ratio = 3.3563E-02 * Area ratio + 5.4496E-03
Correlation Coefficient = 0.9996

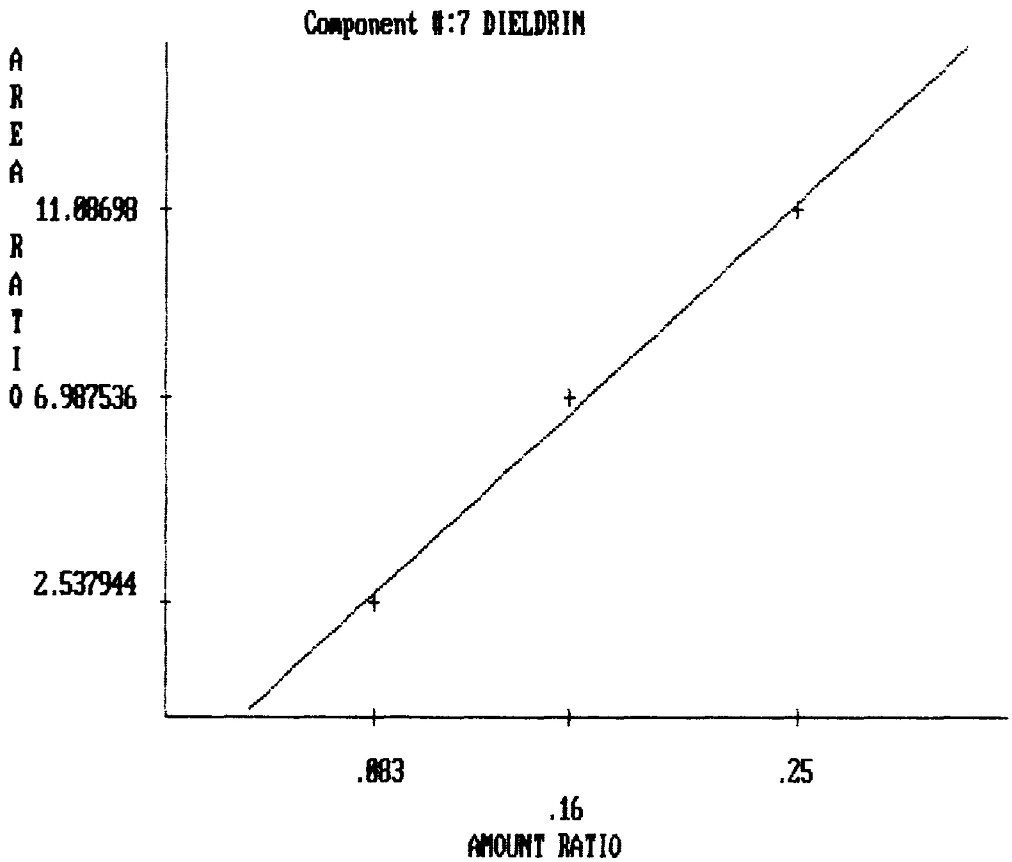


Component 6 = ENDOSULFAN I
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.1000	1217705	0.1000	2.4919
2	0.0690	771422	0.0690	1.5196
3	0.0350	331417	0.0350	0.6560

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 2.8198E+01 * Amt ratio + -3.6162E-01
Amt ratio = 3.5464E-02 * Area ratio + 1.2824E-02
Correlation Coefficient = 0.9963

DATASET SF5541



Component 7 = DIELDRIN
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.2500	5417930	0.2500	11.0870
2	0.1600	3547135	0.1600	6.9875
3	0.0830	1282158	0.0830	2.5379

Y = SLOPE * X + INTERCEPT

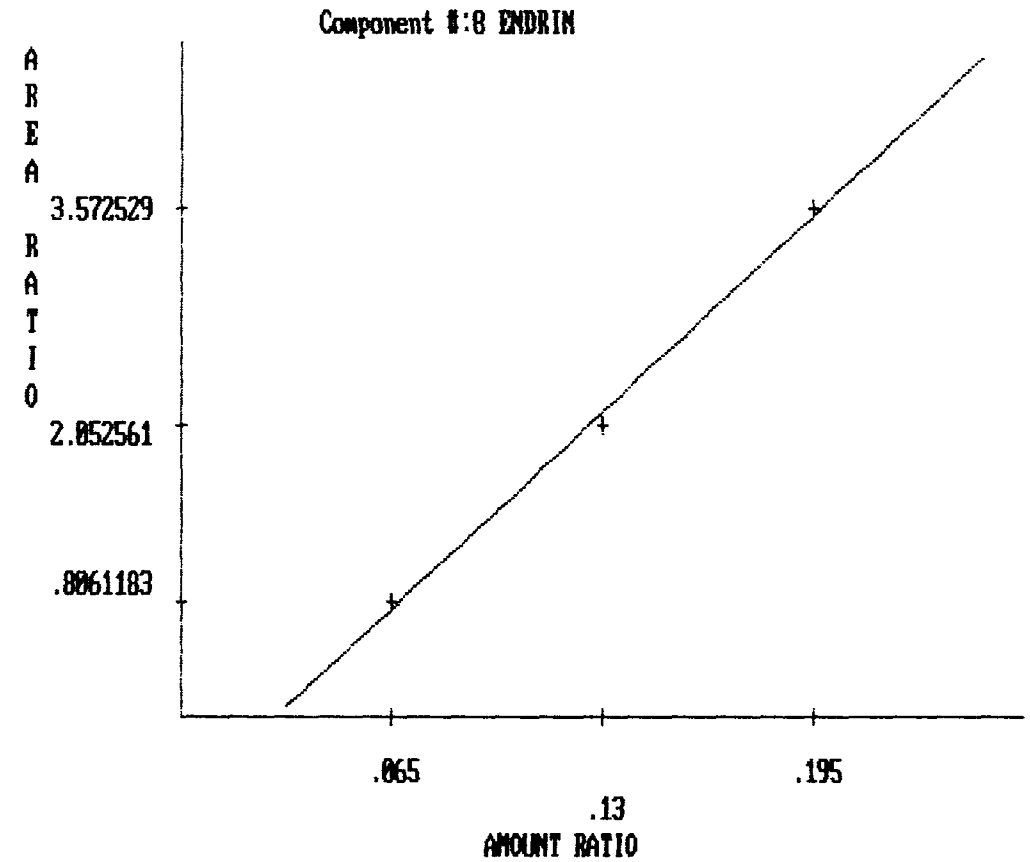
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 5.1034E+01 * Amt ratio + -1.5158E+00

Amt ratio = 1.9595E-02 * Area ratio + 2.9702E-02

Correlation Coefficient = 0.9953

DATASET SF5541

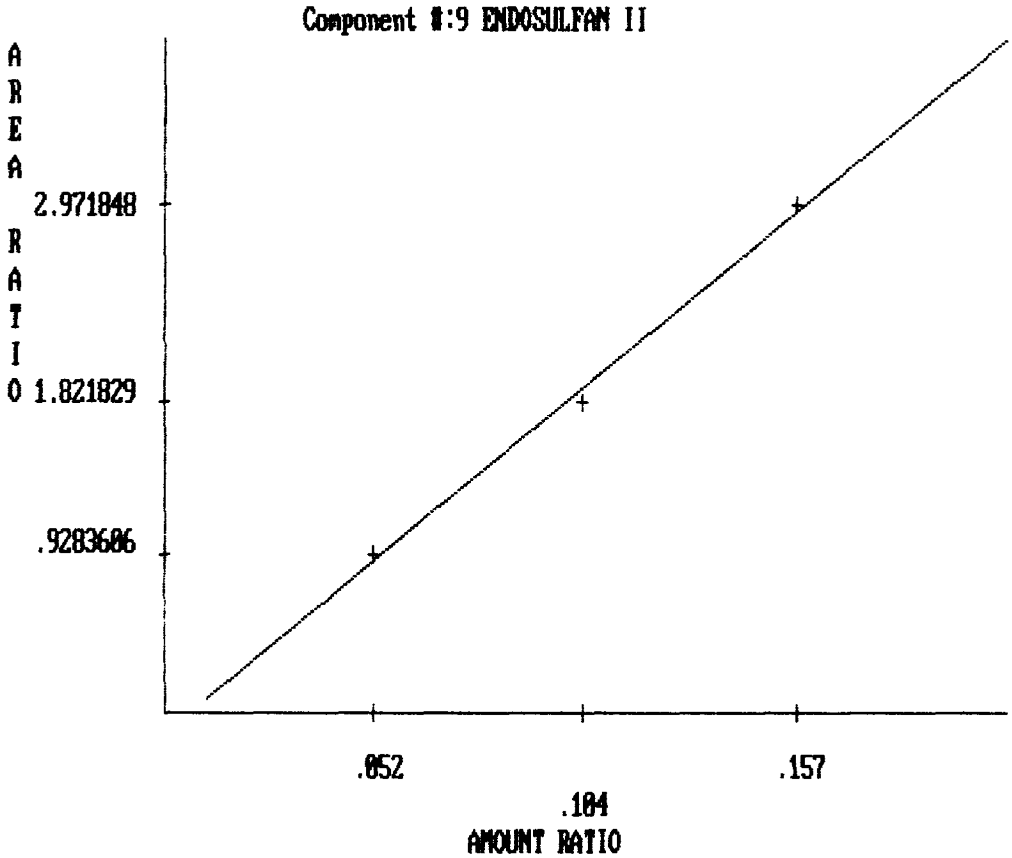


Component 8 = ENDRIN
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.1950	1745805	0.1950	3.5725
2	0.1300	1041957	0.1300	2.0526
3	0.0650	407247	0.0650	0.8061

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 2.1280E+01 * Amt ratio + -6.2267E-01
Amt ratio = 4.6992E-02 * Area ratio + 2.9261E-02
Correlation Coefficient = 0.9968

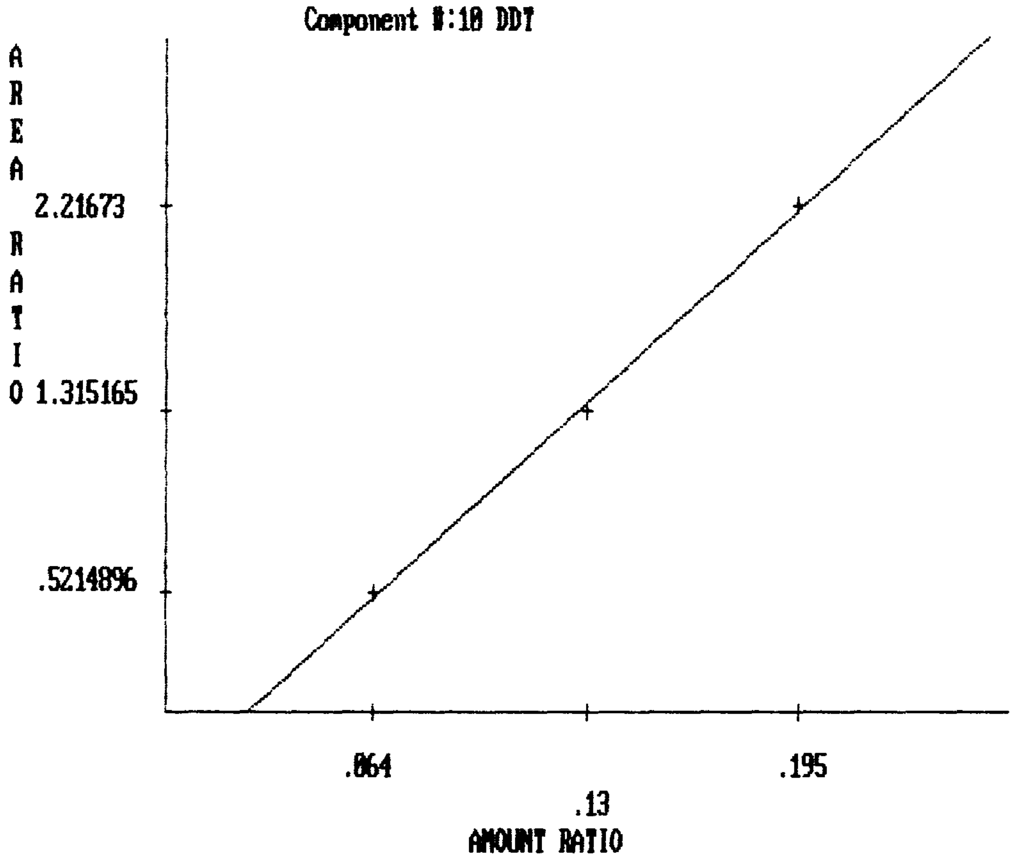
DATASET SF5541



Component 9 = ENDOSULFAN II
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.1570	1452267	0.1570	2.9718
2	0.1040	924829	0.1040	1.8218
3	0.0520	469004	0.0520	0.9284

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 1.9469E+01 * Amt ratio + -1.2391E-01
Amt ratio = 5.1364E-02 * Area ratio + 6.3647E-03
Correlation Coefficient = 0.9955



Component 10 = DDT

INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.1950	1083260	0.1950	2.2167
2	0.1300	667627	0.1300	1.3152
3	0.0640	263454	0.0640	0.5215

Y = SLOPE * X + INTERCEPT

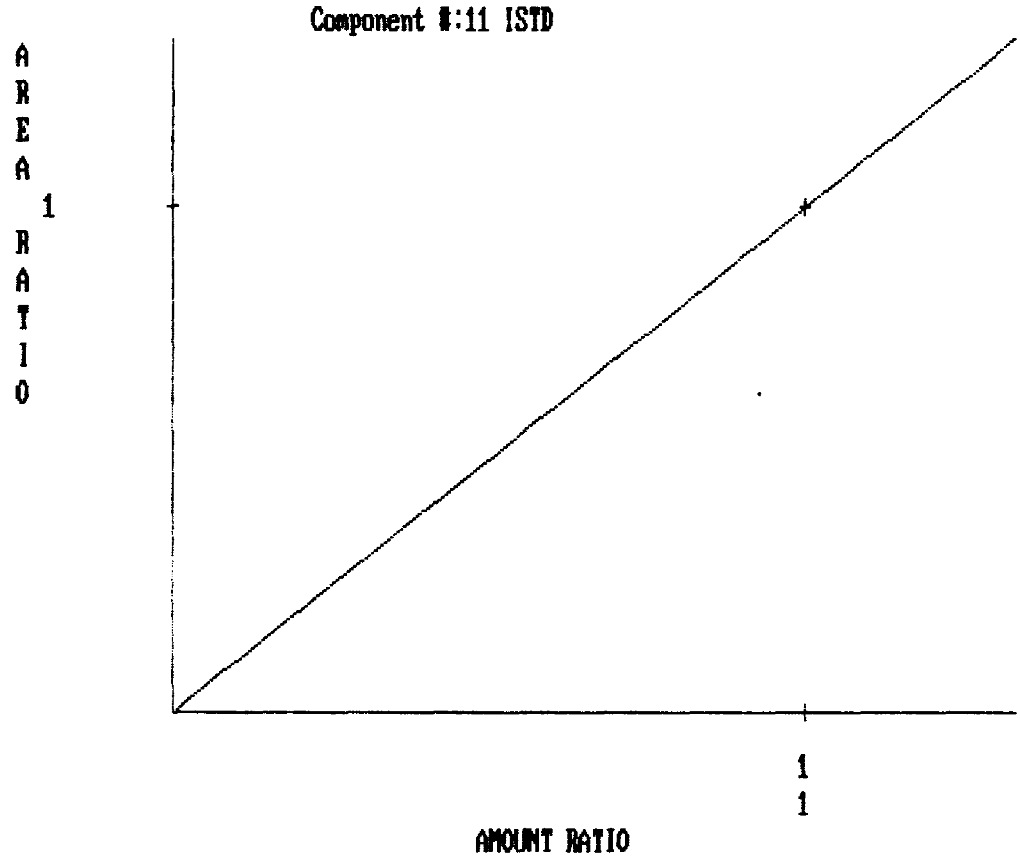
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 1.2938E+01 * Amt ratio + -3.2655E-01

Amt ratio = 7.7289E-02 * Area ratio + 2.5239E-02

Correlation Coefficient = 0.9983

DATASET SF5541

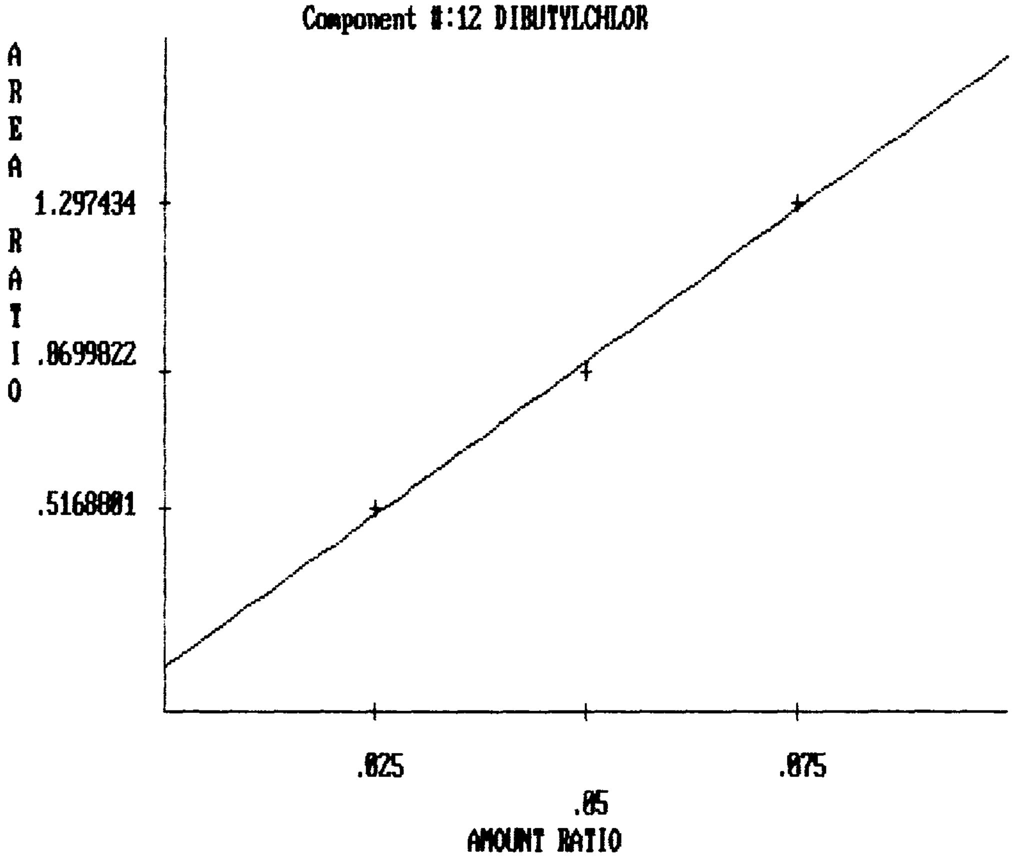


Component 11 = ISTD
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	1.0000	488675	1.0000	1.0000
2	1.0000	507638	1.0000	1.0000
3	1.0000	505196	1.0000	1.0000

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 1.0000E+00 * Amt ratio + 0.0000E+00
Amt ratio = 1.0000E+00 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.0000

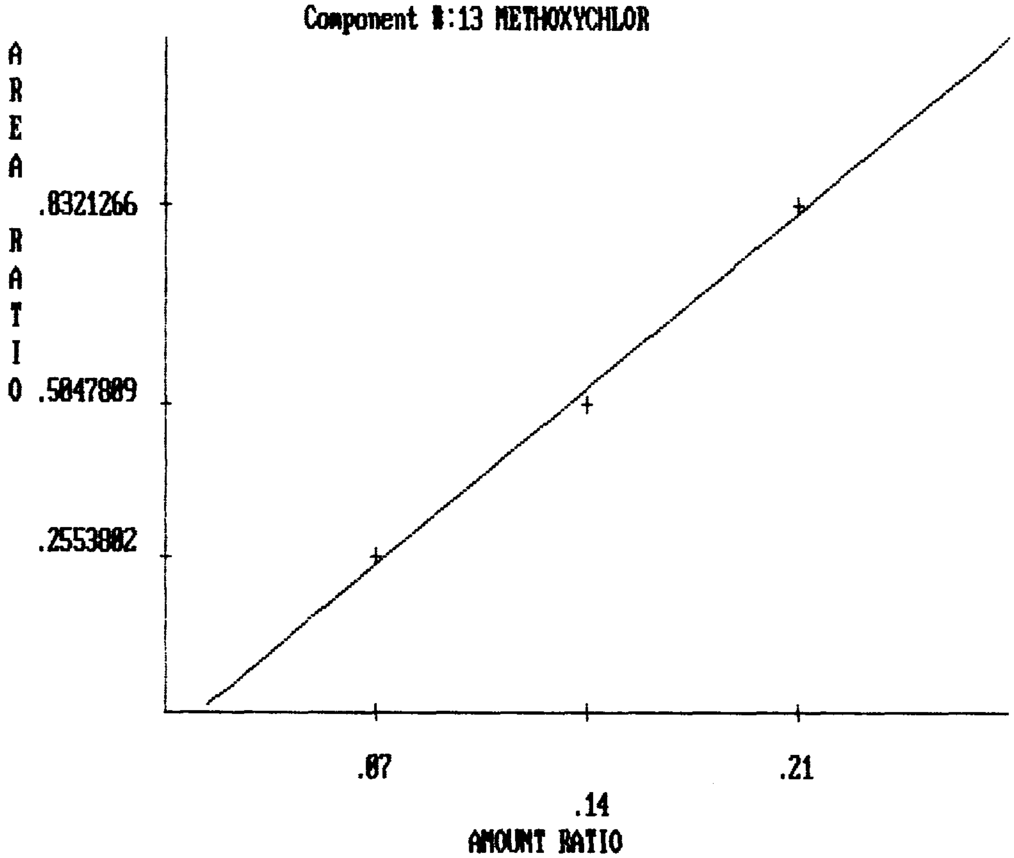
DATASET SF5541



Component 12 = DIBUTYLCHLOR
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0750	634023	0.0750	1.2974
2	0.0500	441636	0.0500	0.8700
3	0.0250	261126	0.0250	0.5169

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 1.5611E+01 * Amt ratio + 1.1421E-01
Amt ratio = 6.4057E-02 * Area ratio + -7.3161E-03
Correlation Coefficient = 0.9970



Component 13 = METHOXYCHLOR
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.2100	406639	0.2100	0.8321
2	0.1400	256246	0.1400	0.5048
3	0.0700	129017	0.0700	0.2554

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 4.1196E+00 * Amt ratio + -4.5984E-02
Amt ratio = 2.4274E-01 * Area ratio + 1.1162E-02
Correlation Coefficient = 0.9939

DATASET SF5541

NEW TIMED EVENTS FROM A:1PESTB

****** INTERNAL STANDARD TABLE ******

```
******************** 09-23-1988 13:00:49 Version 4.1 **********************
* Sample Name: Pest B Low                          Data File: A:M\2CLE40    *
* Date: 09-25-1988 11:53:13 Method: A:1PESTB 09-23-1988 12:01:34  #  34    *
* Interface: 0   Cycle#:  40   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: .1  Area Threshold: 100            *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        5.00                 Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

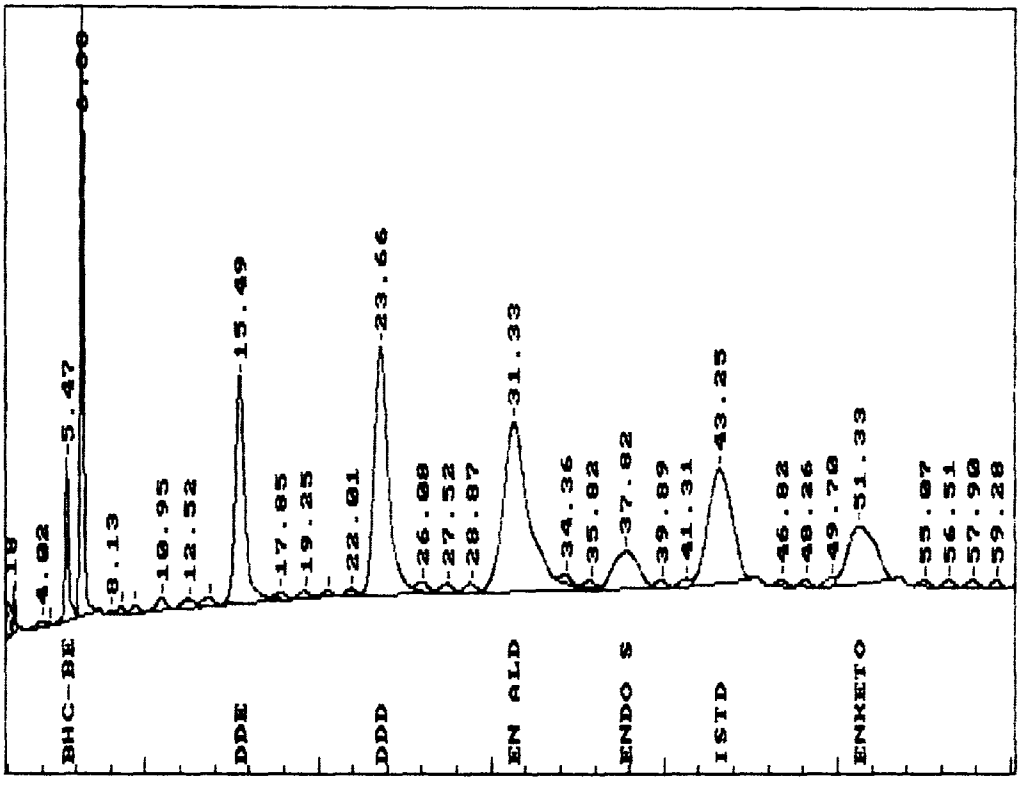
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ml J.U	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
5	5.47	BHC-BETA	0.0338	9.7526%	94662	6355	14.9	2	5	28	0	3.5718E-07
6	6.38	BHC-DELTA	0.0341	9.8403%	325268	23928	13.6	2	6	28	0	1.0488E-07
13	15.49	DDE	0.0343	9.8931%	345789	8898	38.9	3	13	28	0	9.9189E-08
18	23.66	DDD	0.0713	20.5586%	566627	9718	58.3	3	18	28	0	1.2579E-07
22	31.33	EN ALDEHYDE	0.0702	20.2389%	690032	6655	103.7	3	22	28	0	1.0169E-07
25	37.82	ENDO SULFATE	0.0367	10.5834%	146586	1463	100.2	2	25	28	0	2.5031E-07
28	43.25	ISTD	1.0000	0.0000%	422395	4444	95.1	2	28	28	0	2.3675E-06
32	51.33	ENKETONE	0.0663	19.1330%	245137	2217	110.6	2	32	28	0	2.7059E-07

TOTAL AMOUNT = 0.3467

J.U. 9-29-88

DATASET SF5541

Plot of data file: A:M\2CLE40.PTS
Date: 09-23-1988 Time: 13:01:50
Sample Name: Pest B Low
Start Time= 1.82Stop Time = 60.27Min. Scale= 6672Max. Scale= 31587



DATASET SF5541

NEW TIMED EVENTS FROM A:1PESTB

****** INTERNAL STANDARD TABLE ******

********** 09-23-1988 13:04:09 Version 4.1 **********

* Sample Name: Pest B Med Data File: A:M\2CLE41 *
* Date: 09-25-1988 12:59:33 Method: A:1PESTB 09-23-1988 12:01:34 # 34 *
* Interface: 0 Cycle#: 41 Operator LIN Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *

****

* Instrument Type: TRACOR 540 Column Type: 0-SP2100; 1-Mixed Ph *
* Solvent Description: NITROGEN *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250 *
* Detector 0: ECD Detector 1: ECD *
* Misc. Information: *

****

Starting Delay: 1.80 Ending retention time: 60.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 5.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

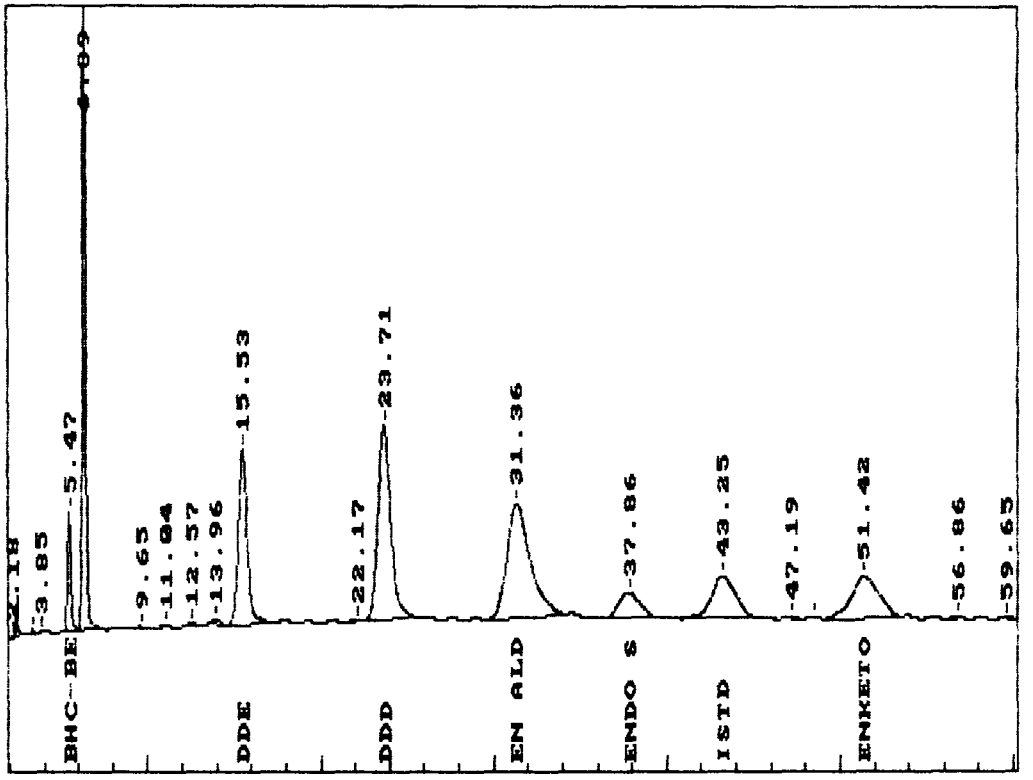
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ml J.V.	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
5	5.47	BHC-BETA	0.0654	10.3575%	181623	13376	13.6	2	5	16	0	3.5983E-07
6	6.39	BHC-DELTA	0.0638	10.1118%	905197	70582	12.8	2	6	16	0	7.0484E-08
11	15.53	DDE	0.0636	10.0756%	669313	19694	34.0	1	11	16	0	9.4984E-08
13	23.71	DDD	0.1225	19.4068%	1119209	21878	51.2	1	13	16	0	1.0941E-07
14	31.36	EN ALDEHYDE	0.1247	19.7678%	1187589	12769	93.0	1	14	16	0	1.0503E-07
15	37.86	ENDO SULFATE	0.0587	9.3072%	227054	2759	82.3	1	15	16	0	2.5864E-07
16	43.25	ISTD	1.0000	0.0000%	422398	4588	92.1	1	16	16	0	2.3674E-06
19	51.42	ENKETONE	0.1323	20.9734%	503147	4620	108.9	1	19	16	0	2.6302E-07

TOTAL AMOUNT = 0.6310

J.V. 9-29-88

DATASET SF5541

Plot of data file: A:M\2CLE41.PTS
Date: 09-23-1988 Time: 13:04:38
Sample Name: Pest B Med
Start Time= 1.82Stop Time = 60.27Min. Scale= 6558Max. Scale= 78127



DATASET SF5541

NEW TIMED EVENTS FROM A:1PESTB

```
*****   INTERNAL STANDARD TABLE   *****
******************** 09-23-1988 13:18:02 Version 4.1 **********************
* Sample Name: Pest B High                    Data File: A:M\2CLE42     *
* Date: 09-25-1988 14:05:52 Method: A:1PESTB 09-23-1988 12:01:34  #  34  *
* Interface: 0   Cycle#:  42   Operator LIN Channel#: 1    Vial#: N.A.  *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100           *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*            Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                 *
*           Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                     *
*************************************************************************
Starting Delay:   1.80                      Ending retention time:   60.00
Area reject:        0                       One sample per   1.002 sec.
Amount injected:       5.00                 Dilution factor:       1.00
Internal Standard Amount:  1
Sample Weight:         1.000000
```

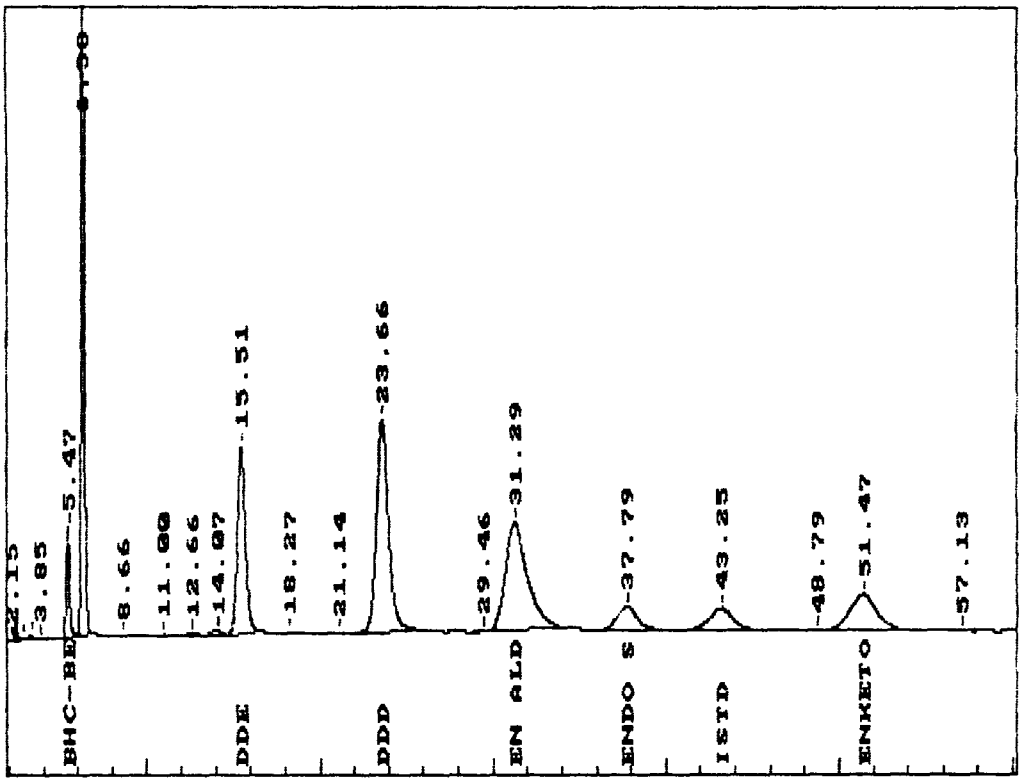
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ml	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
6	5.47	BHC-BETA	0.1008	9.8729%	323181	25248	12.8	2	6	19	0	3.1201E-07
7	6.38	BHC-DELTA	0.1011	9.8970%	1889089	143262	13.2	2	7	19	0	5.3509E-08
12	15.51	DDE	0.1051	10.2931%	1305121	42834	30.5	1	12	19	0	8.0550E-08
15	23.66	DDD	0.2053	20.0985%	2328587	48471	48.0	1	15	19	0	8.8154E-08
17	31.29	EN ALDEHYDE	0.2051	20.0819%	2221086	24887	89.2	1	17	19	0	9.2344E-08
18	37.79	ENDO SULFATE	0.1036	10.1419%	452043	5605	80.7	1	18	19	0	2.2914E-07
19	43.25	ISTD	1.0000	0.0000%	488502	5267	92.8	1	19	19	0	2.0471E-06
21	51.47	ENKETONE	0.2003	19.6146%	889283	8292	107.3	1	21	19	0	2.2527E-07

TOTAL AMOUNT = 1.0213

J.V. 9-29-88

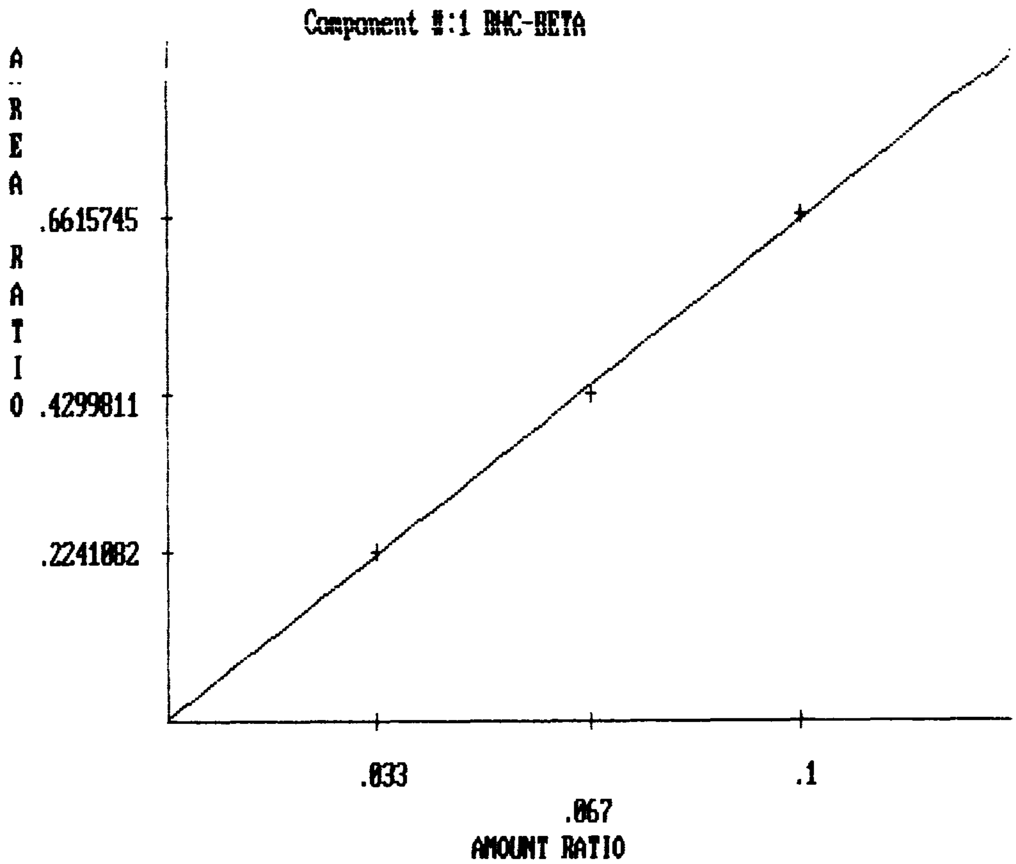
DATASET SF5541

Plot of data file: A:M\2CLE42.PTS
Date: 09-23-1988 Time: 13:18:35
Sample Name: Pest B High
Start Time= 1.82Stop Time = 60.27Min. Scale= 6651Max. Scale= 151303



DATASET SF5541

Method A:1PESTB
Sample PEST
Operator AK
Run date 09-23-1988 12:01:34 version: 34
Printed on 09-23-1988 AT 12:02:32
Straight Line fit

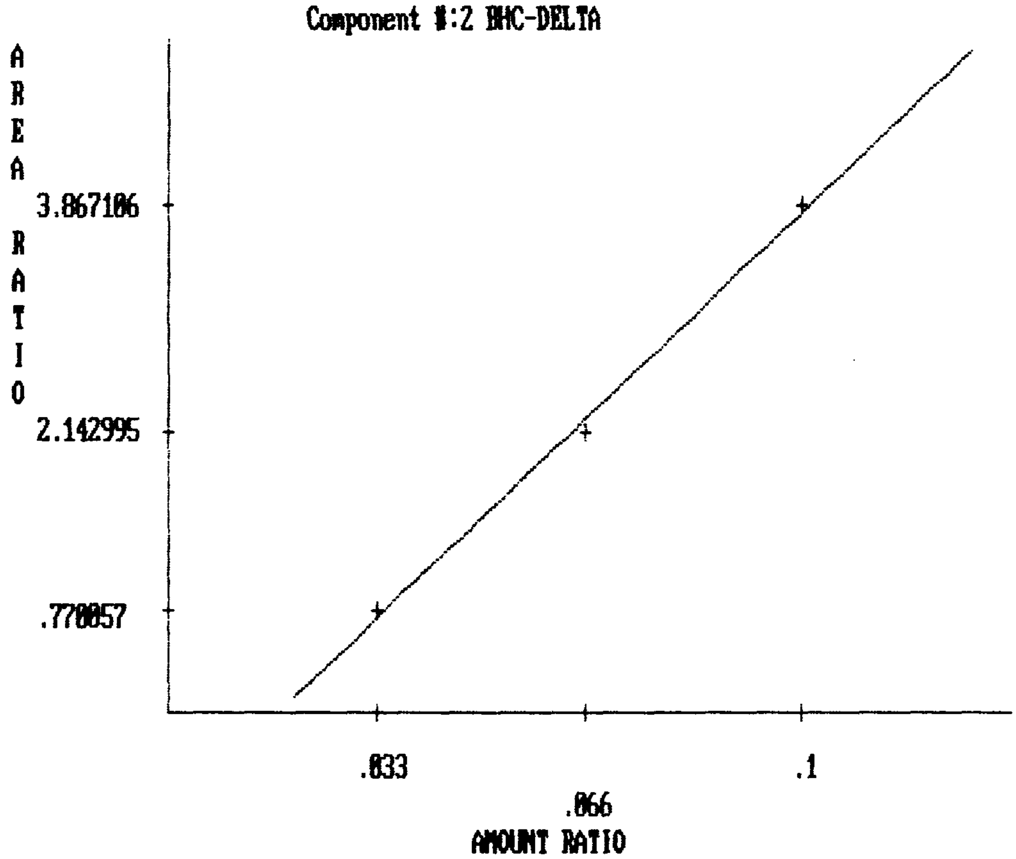


Component 1 = BHC-BETA
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0330	94662	0.0330	0.2241
2	0.0670	181623	0.0670	0.4300
3	0.1000	323181	0.1000	0.6616

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 6.5270E+00 * Amt ratio + 3.4243E-03
Amt ratio = 1.5321E-01 * Area ratio + -5.2464E-04
Correlation Coefficient = 0.9982

DATASET SF5541



Component 2 = BHC-DELTA

INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0330	325268	0.0330	0.7701
2	0.0660	905197	0.0660	2.1430
3	0.1000	1889089	0.1000	3.8671

Y = SLOPE * X + INTERCEPT

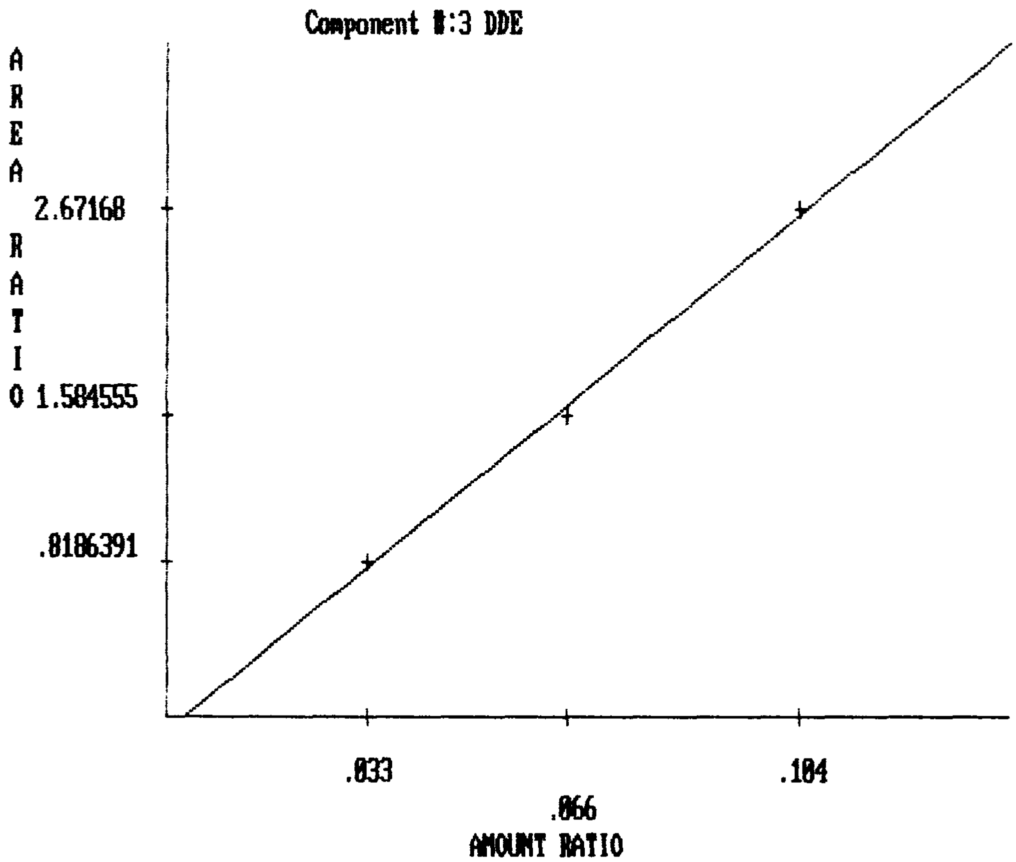
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 4.6247E+01 * Amt ratio + -8.0768E-01

Amt ratio = 2.1623E-02 * Area ratio + 1.7464E-02

Correlation Coefficient = 0.9968

DATASET SF5541



Component 3 = DDE

INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0330	345789	0.0330	0.8186
2	0.0660	669313	0.0660	1.5846
3	0.1040	1305121	0.1040	2.6717

Y = SLOPE * X + INTERCEPT

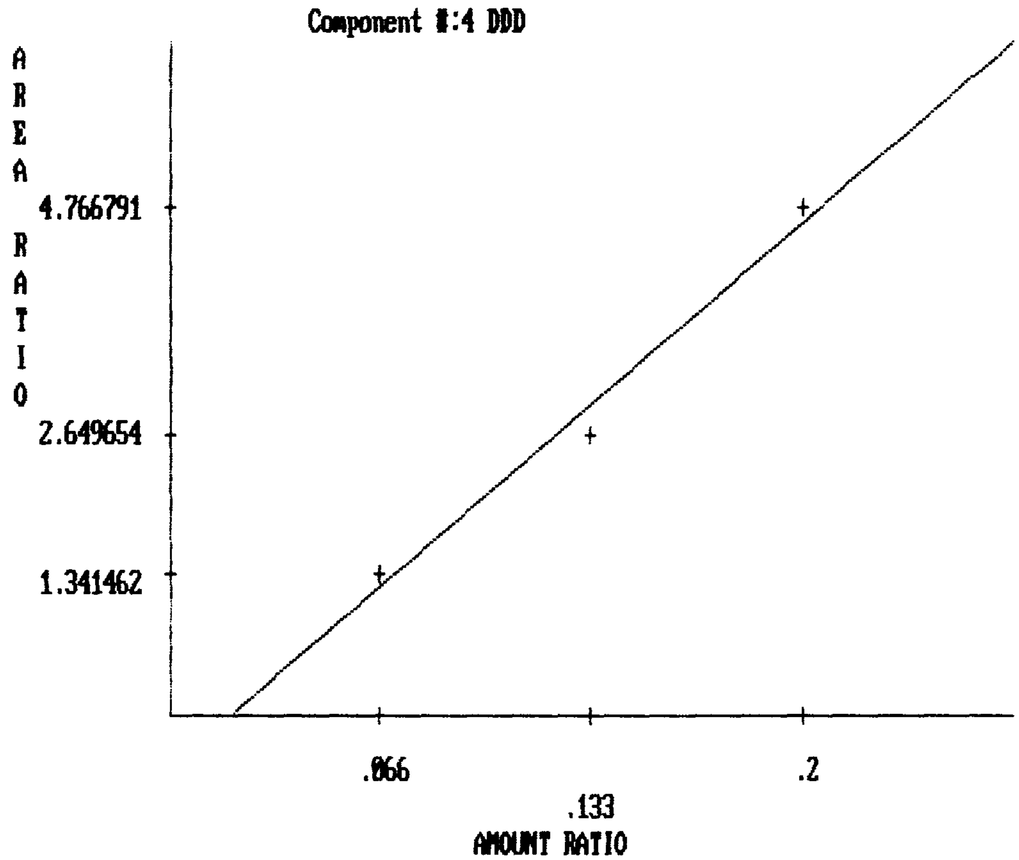
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 2.6162E+01 * Amt ratio + -7.8679E-02

Amt ratio = 3.8223E-02 * Area ratio + 3.0074E-03

Correlation Coefficient = 0.9965

DATASET SF5541



Component 4 = DDD

INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0660	566627	0.0660	1.3415
2	0.1330	1119209	0.1330	2.6497
3	0.2000	2328587	0.2000	4.7668

Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

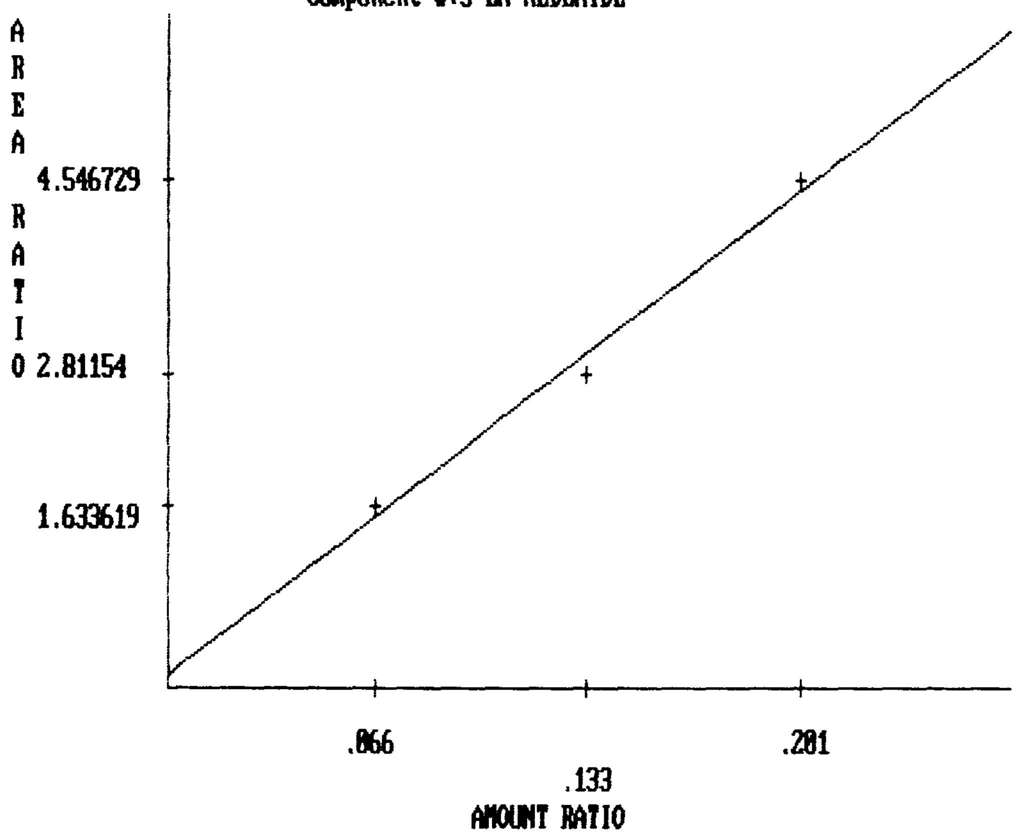
Area ratio = 2.5562E+01 * Amt ratio + -4.8046E-01

Amt ratio = 3.9120E-02 * Area ratio + 1.8796E-02

Correlation Coefficient = 0.9817

DATASET SF5541

Component #:5 EN ALDEHYDE



Component 5 = EN ALDEHYDE

INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0660	690032	0.0660	1.6336
2	0.1330	1187589	0.1330	2.8115
3	0.2010	2221086	0.2010	4.5467

Y = SLOPE * X + INTERCEPT

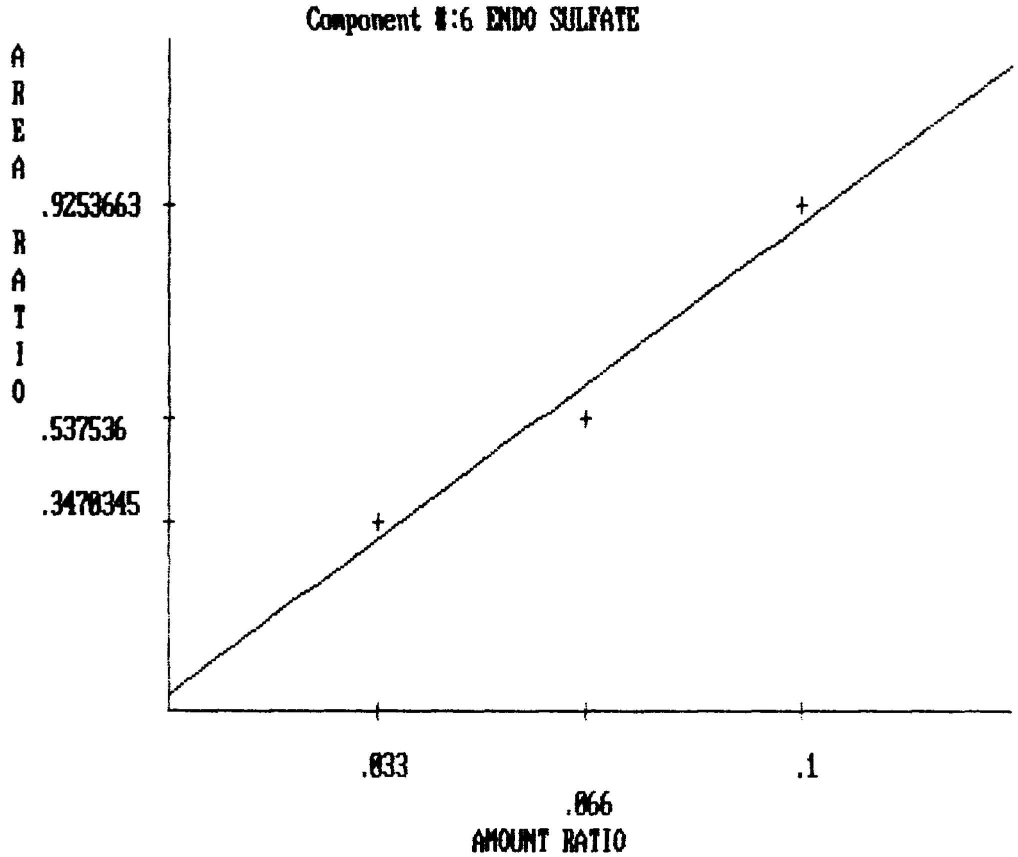
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 2.1588E+01 * Amt ratio + 1.1884E-01

Amt ratio = 4.6321E-02 * Area ratio + -5.5050E-03

Correlation Coefficient = 0.9889

DATASET SF5541

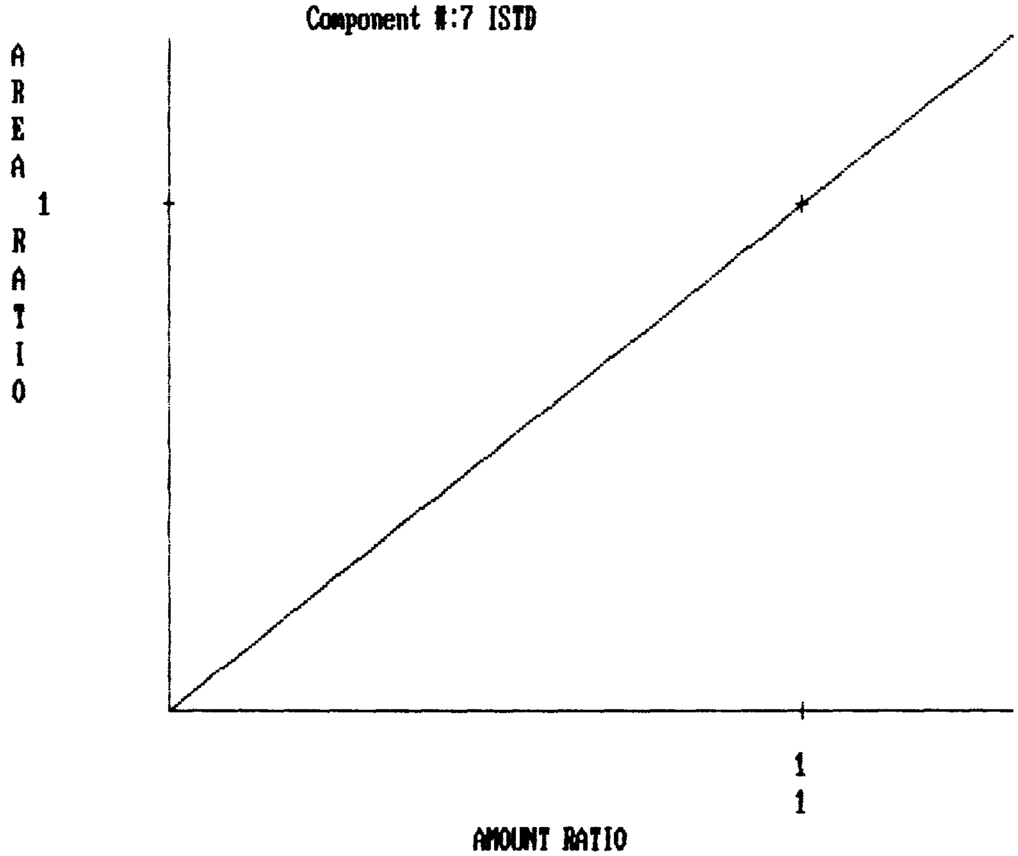


Component 6 = ENDO SULFATE
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0330	146586	0.0330	0.3470
2	0.0660	227054	0.0660	0.5375
3	0.1000	452043	0.1000	0.9254

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 8.6458E+00 * Amt ratio + 2.9806E-02
Amt ratio = 1.1566E-01 * Area ratio + -3.4474E-03
Correlation Coefficient = 0.9658

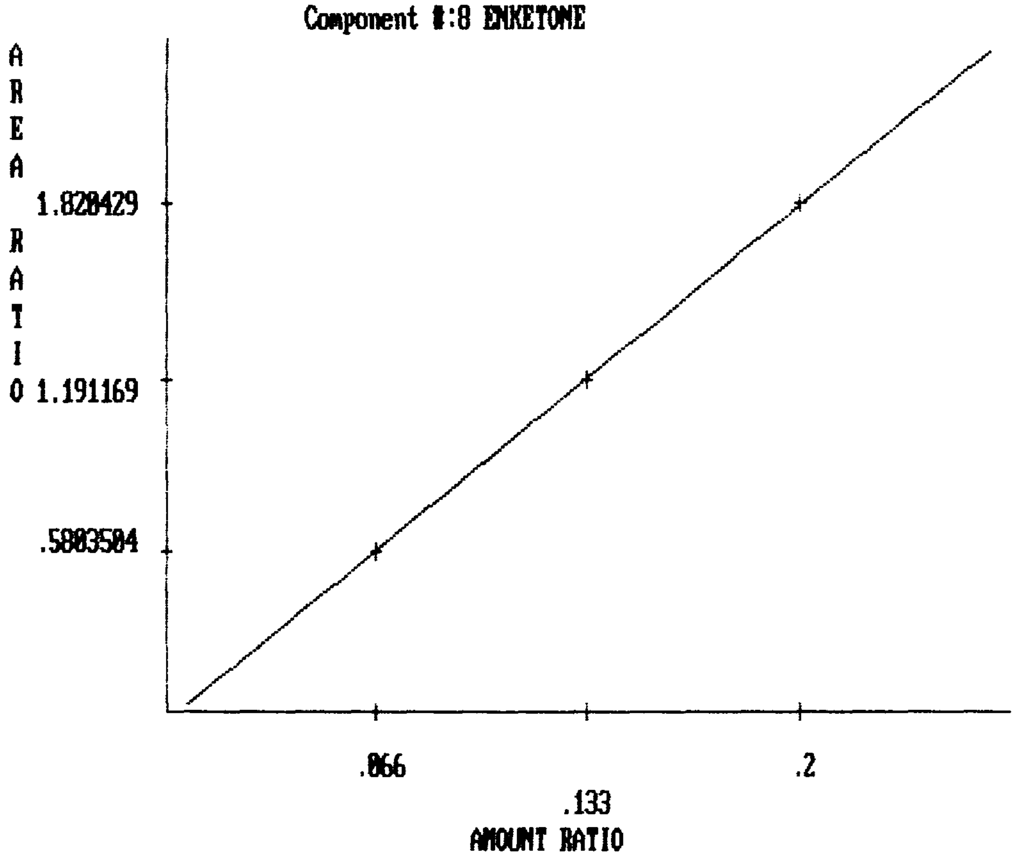
DATASET SF5541



Component 7 = ISTD
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	1.0000	422395	1.0000	1.0000
2	1.0000	422398	1.0000	1.0000
3	1.0000	488502	1.0000	1.0000

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 1.0000E+00 * Amt ratio + 0.0000E+00
Amt ratio = 1.0000E+00 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.0000



Component 8 = ENKETONE
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0660	245137	0.0660	0.5804
2	0.1330	503147	0.1330	1.1912
3	0.2000	889283	0.2000	1.8204

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 9.2543E+00 * Amt ratio + -3.3508E-02
Amt ratio = 1.0806E-01 * Area ratio + 3.6208E-03
Correlation Coefficient = 0.9999

DATASET SF5541

NEW TIMED EVENTS FROM A:PCB42

***** EXTERNAL STANDARD TABLE *****

********** 09-28-1988 13:22:57 Version 4.1 **********

* Sample Name: A1242 Low Data File: a:m\2cle34 *
* Date: 09-25-1988 05:15:16 Method: A:PCB42 09-28-1988 13:11:09 # 14 *
* Interface: 0 Cycle#: 34 Operator LIN Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: .5 Area Threshold: 100 *

****

* Instrument Type: TRACOR 540 Column Type: 0-SP2100; 1-Mixed Ph *
* Solvent Description: NITROGEN *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250 *
* Detector 0: ECD Detector 1: ECD *
* Misc. Information: *

****

Starting Delay: 1.80 Ending retention time: 60.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.000000

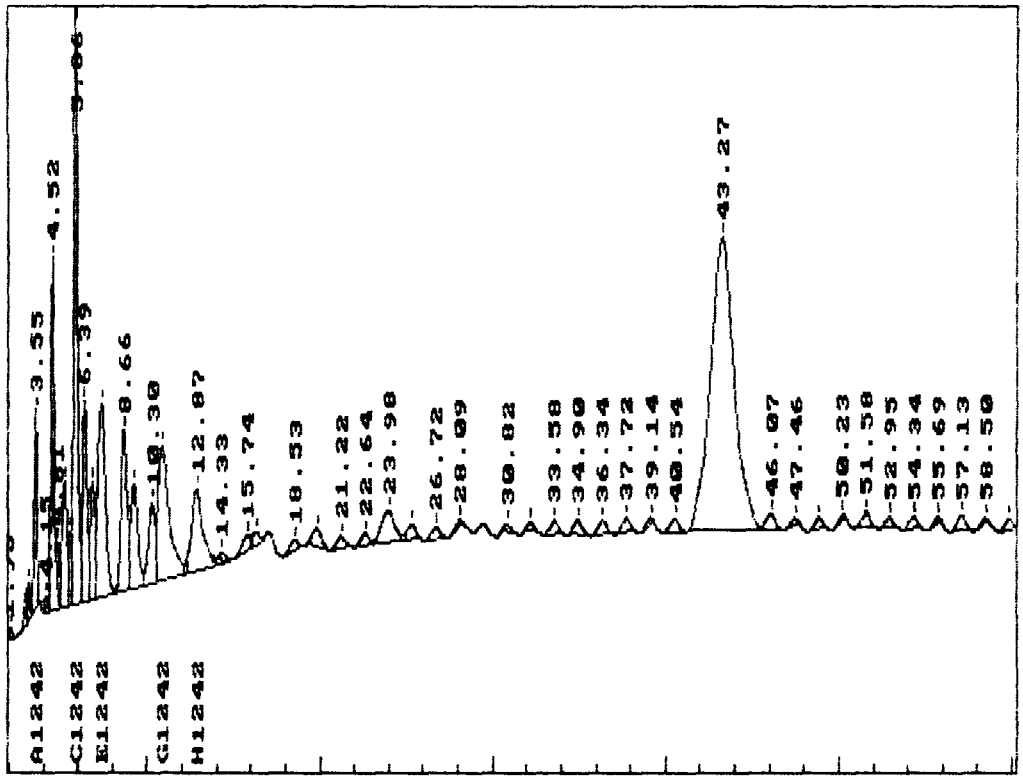
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/~~ml~~ J.U	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
5	3.55	A1242	0.2219	12.1131%	37979	3602	10.5 2	5	0	5.8439E-06
7	4.52	B1242	0.2259	12.3317%	80080	6404	12.5 3	7	0	2.8215E-06
11	5.86	C1242	0.2312	12.6173%	169544	10916	15.5 2	11	0	1.3635E-06
12	6.39	D1242	0.2244	12.2489%	68898	3629	19.0 2	12	0	3.2574E-06
14	7.33	E1242	0.2290	12.4978%	111808	3534	31.6 2	14	0	2.0481E-06
15	8.66	F1242	0.2257	12.3200%	71635	2906	24.6 2	15	0	3.1512E-06
18	10.92	G1242	0.2327	12.6999%	109799	2430	45.2 2	18	0	2.1193E-06
19	12.87	H1242	0.2413	13.1712%	67169	1484	45.3 3	19	0	3.5929E-06

TOTAL AMOUNT = 1.8322

J.U. 9-29-88

DATASET SF5541

Plot of data file: a:m\2cle34.PTS
Date: 09-28-1988 Time: 13:23:31
Sample Name: A1242 Low
Start Time= 1.82Stop Time = 60.27Min. Scale= 6803Max. Scale= 18347



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB42

****** EXTERNAL STANDARD TABLE ******

```
******************** 09-28-1988 13:25:33 Version 4.1 **********************
* Sample Name: A1242 Med                          Data File: a:m\2cle35    *
* Date: 09-25-1988 06:21:37 Method: A:PCB42 09-28-1988 13:11:09  #  14    *
* Interface: 0   Cycle#:  35   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100            *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*            Solvent Description: NITROGEN                                *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                 *
*           Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                     *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Sample Weight:          1.000000
```

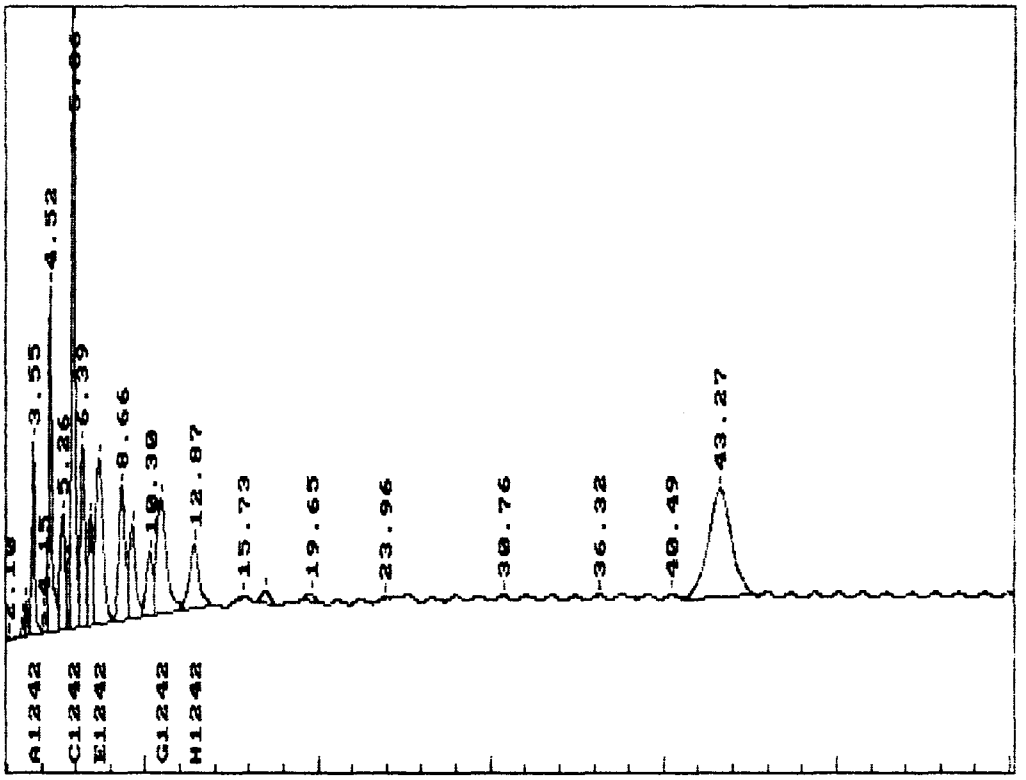
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/kml J.V.	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
4	3.55	A1242	0.5561	12.8270%	106781	9214	11.6	2	4	0	5.2080E-06
6	4.52	B1242	0.5481	12.6422%	207336	16447	12.6	2	6	0	2.6436E-06
9	5.86	C1242	0.5376	12.4008%	430962	29780	14.5	2	9	0	1.2475E-06
10	6.39	D1242	0.5511	12.7122%	162966	8735	18.7	2	10	0	3.3819E-06
12	7.34	E1242	0.5420	12.5018%	246242	7944	31.0	2	12	0	2.2012E-06
13	8.66	F1242	0.5485	12.6521%	156625	6400	24.5	2	13	0	3.5022E-06
16	10.93	G1242	0.5346	12.3311%	229032	5558	41.2	2	16	0	2.3342E-06
17	12.87	H1242	0.5173	11.9327%	122201	3092	39.5	2	17	0	4.2335E-06

TOTAL AMOUNT = 4.3355

J.V. 9-29-88

DATASET SF5541

Plot of data file: a:m\2cle35.PTS
Date: 09-28-1988 Time: 13:26:36
Sample Name: A1242 Med
Start Time= 1.82Stop Time = 60.27Min. Scale= 6757Max. Scale= 37087



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB42

```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-28-1988 13:28:36 Version 4.1 ********************
* Sample Name: A1242 High                          Data File: a:m\2cle36    *
* Date: 09-25-1988 07:27:56 Method: A:PCB42 09-28-1988 13:11:09  #  14     *
* Interface: 0   Cycle#:  36   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ml	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
4	3.55	A1242	0.7219	12.3785%	140922	12345	11.4	2	4	0	5.1230E-06
6	4.52	B1242	0.7259	12.4471%	277587	22437	12.4	2	6	0	2.6152E-06
9	5.86	C1242	0.7312	12.5369%	596059	42298	14.1	2	9	0	1.2267E-06
10	6.41	D1242	0.7244	12.4211%	212861	11702	18.2	2	10	0	3.4033E-06
12	7.34	E1242	0.7290	12.4993%	326541	10428	31.3	2	12	0	2.2325E-06
13	8.66	F1242	0.7257	12.4435%	203281	8364	24.3	2	13	0	3.5701E-06
16	10.95	G1242	0.7327	12.5628%	307257	7308	42.0	2	16	0	2.3846E-06
17	12.89	H1242	0.7413	12.7109%	166860	4063	41.1	2	17	0	4.4428E-06

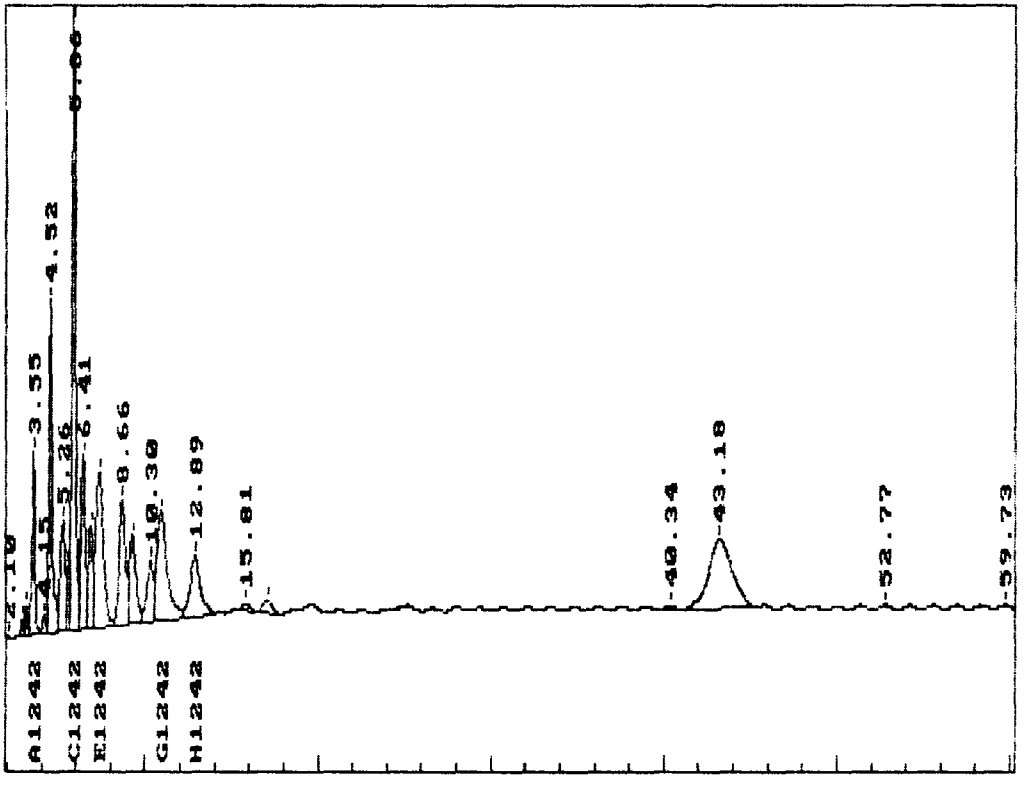
TOTAL AMOUNT = 5.8322

J.V. 9-29-88

DATASET SF5541

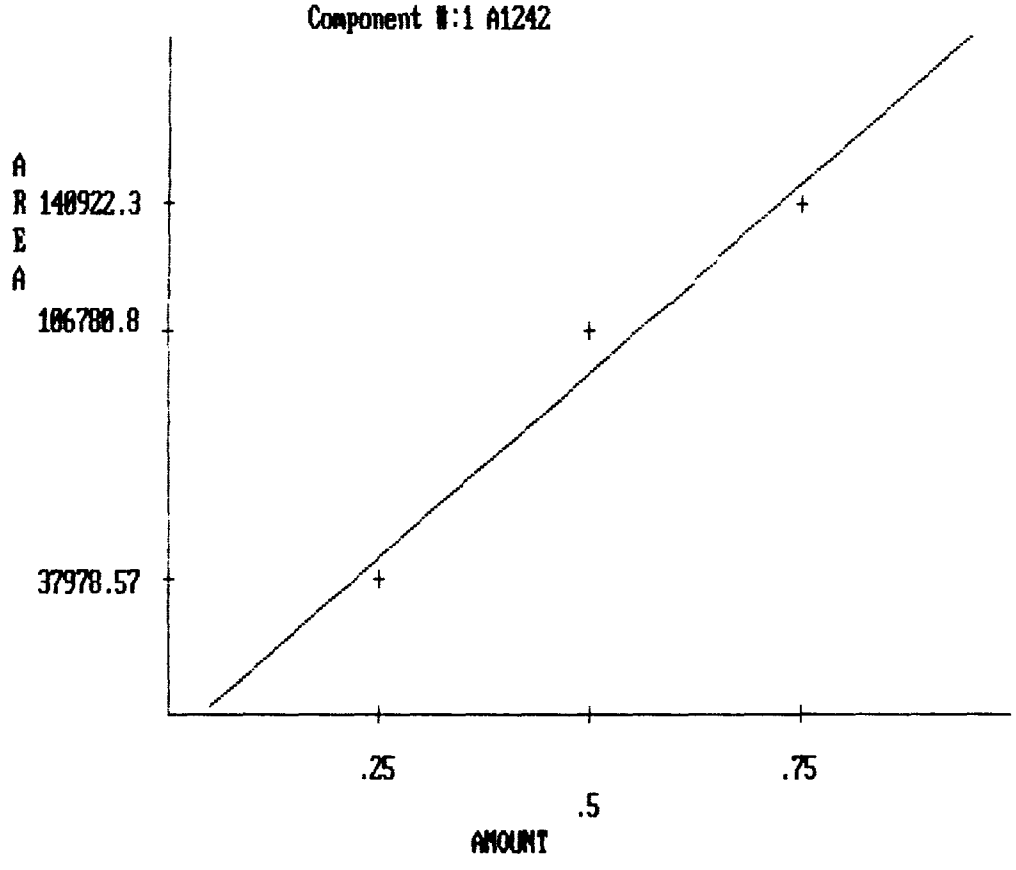
DATASET SF5541

Plot of data file: a:m\2cle36.PTS
Date: 09-28-1988 Time: 13:34:20
Sample Name: A1242 High
Start Time= 1.82Stop Time = 60.27Min. Scale= 6774Max. Scale= 49636



DATASET SF5541

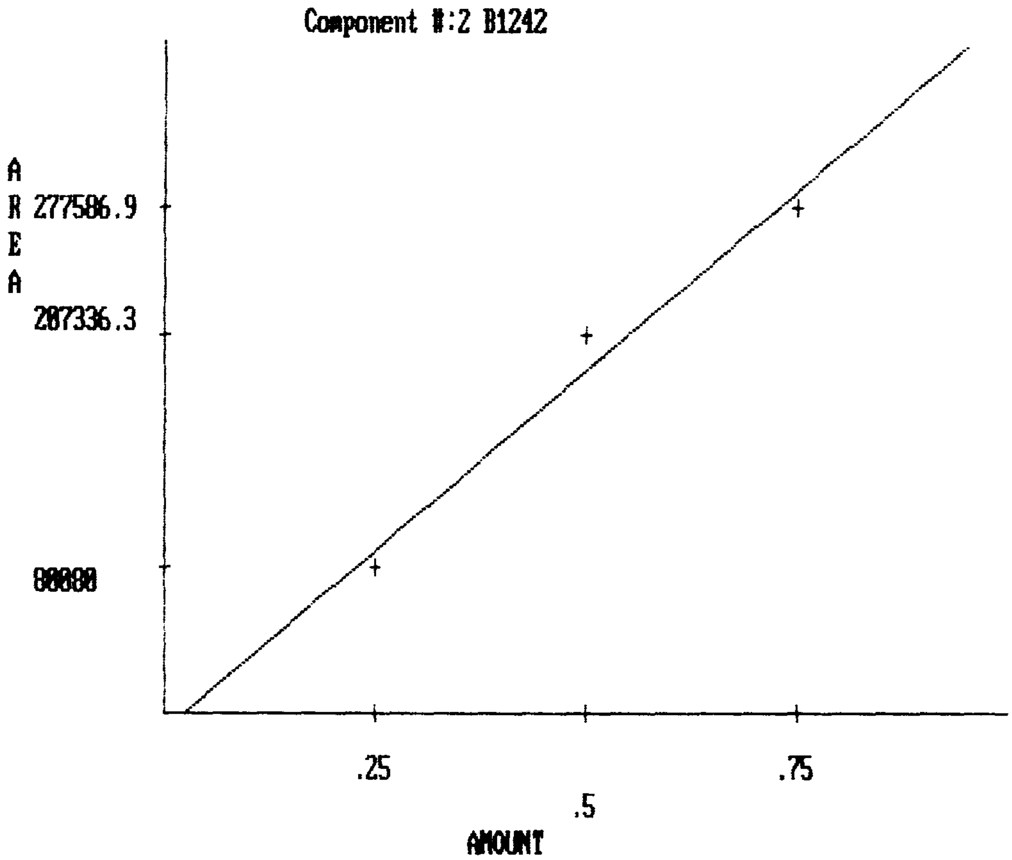
Method A:PCB42
Sample
Operator JV
Run date 09-28-1988 13:11:09 version: 14
Printed on 09-28-1988 AT 13:15:05
Straight Line fit



Component 1 = A1242
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.2500	37979
2	0.5000	106781
3	0.7500	140922

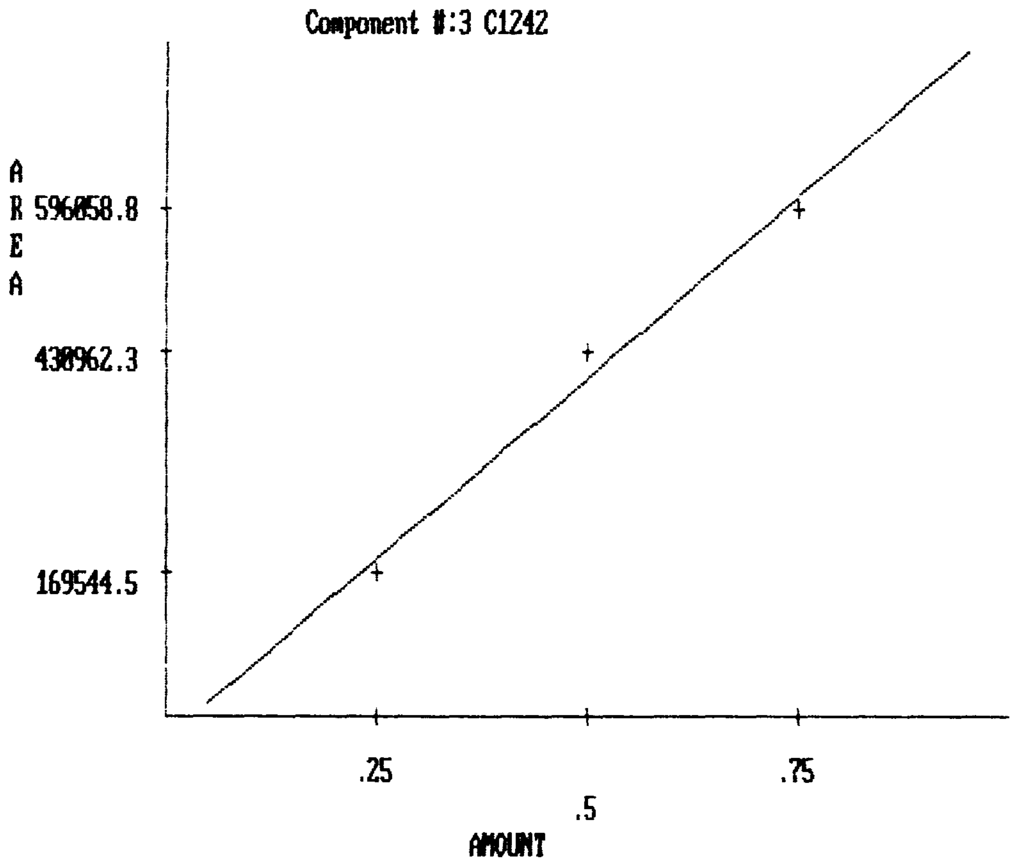
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area = 2.0589E+05 * Amount + -7.7165E+03
Amount = 4.8570E-06 * Area + 3.7479E-02
Correlation Coefficient = 0.9636



Component 2 = B1242
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.2500	80080
2	0.5000	207336
3	0.7500	277587

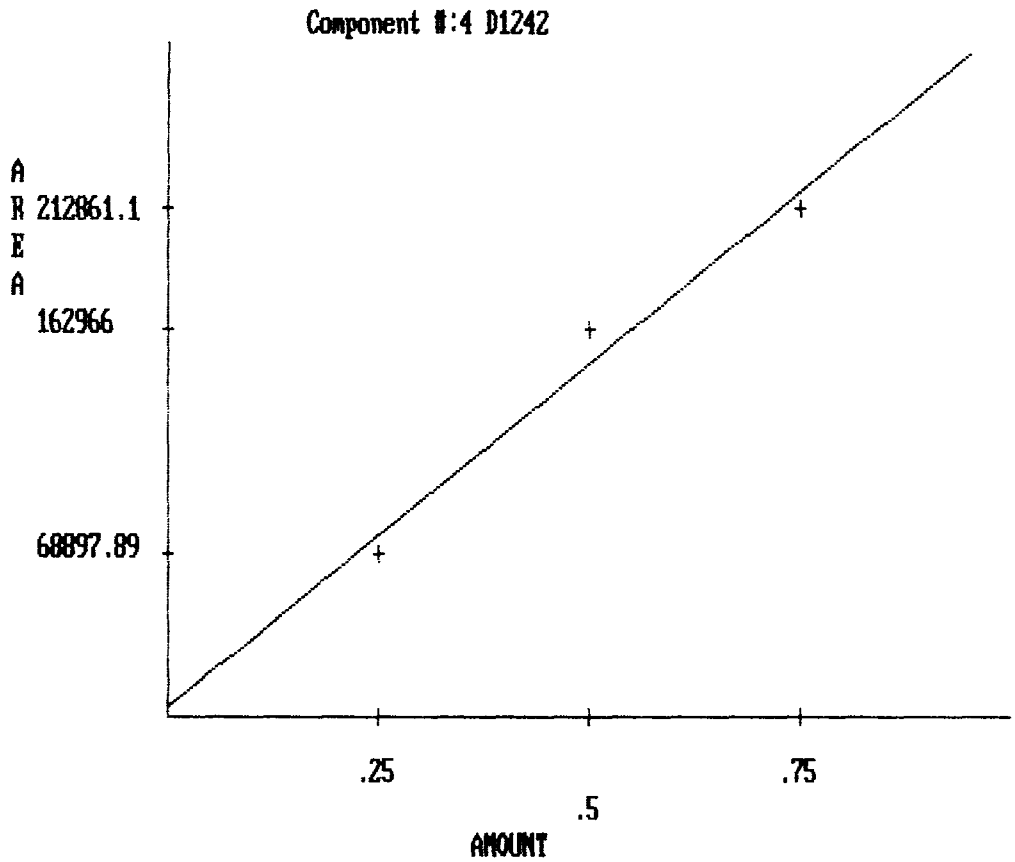
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area = 3.9501E+05 * Amount + -9.1725E+03
Amount = 2.5316E-06 * Area + 2.3221E-02
Correlation Coefficient = 0.9730



Component 3 = C1242
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.2500	169545
2	0.5000	430962
3	0.7500	596059

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area = 8.5303E+05 * Amount + -2.7659E+04
Amount = 1.1723E-06 * Area + 3.2425E-02
Correlation Coefficient = 0.9833



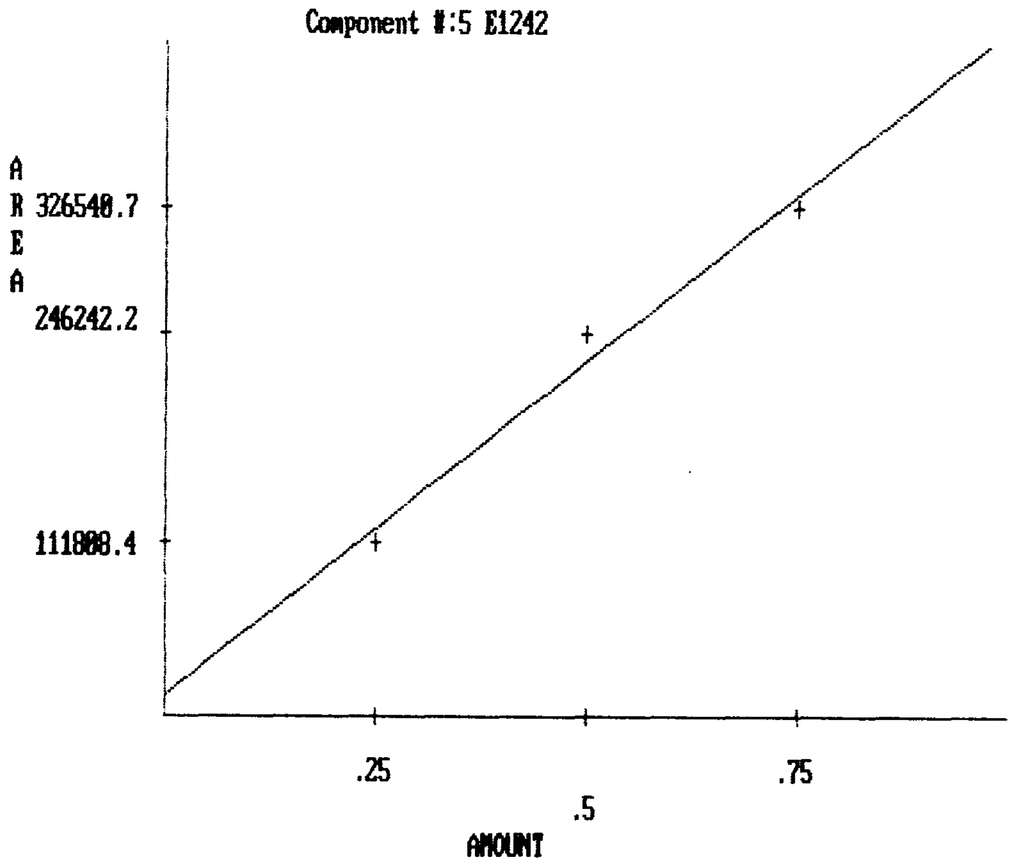
Component 4 = D1242
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.2500	68898
2	0.5000	162966
3	0.7500	212861

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 2.8793E+05 * Amount + 4.2785E+03
Amount = 3.4731E-06 * Area + -1.4860E-02
Correlation Coefficient = 0.9696

DATASET SF5541



Component 5 = E1242
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.2500	111808
2	0.5000	246242
3	0.7500	326541

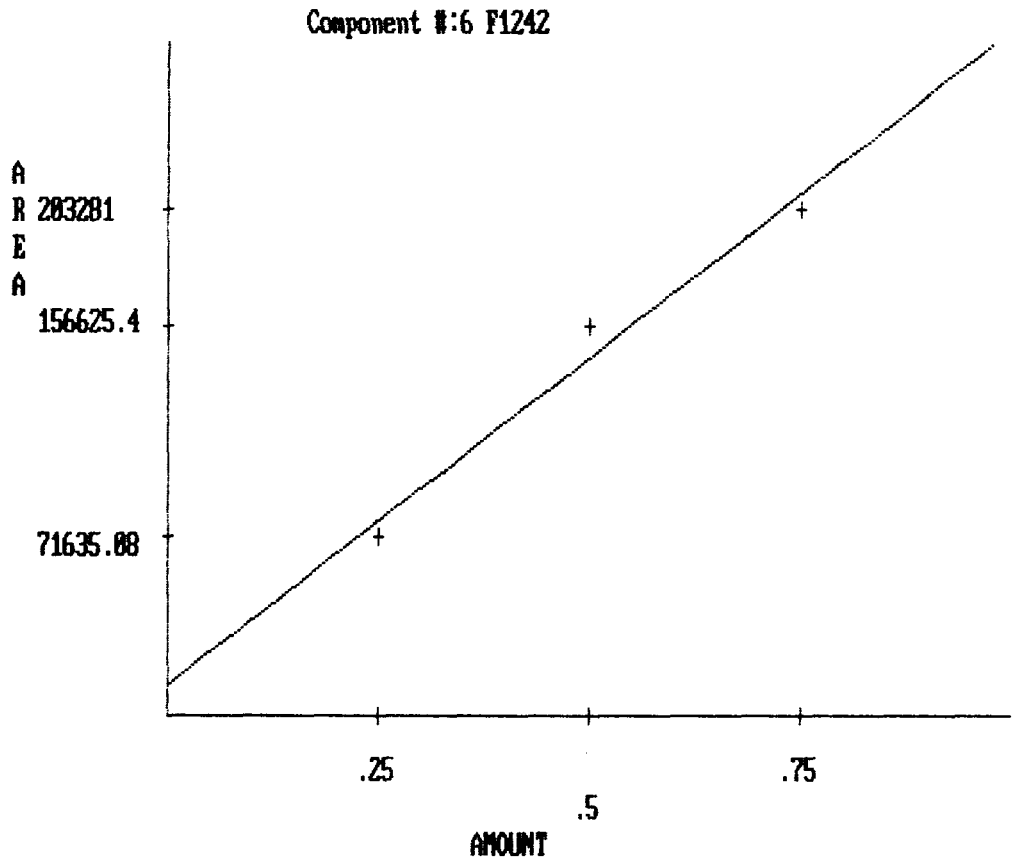
Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 4.2946E+05 * Amount + 1.3465E+04

Amount = 2.3285E-06 * Area + -3.1353E-02

Correlation Coefficient = 0.9793



Component 6 = F1242
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.2500	71635
2	0.5000	156625
3	0.7500	203281

Y = SLOPE * X + INTERCEPT

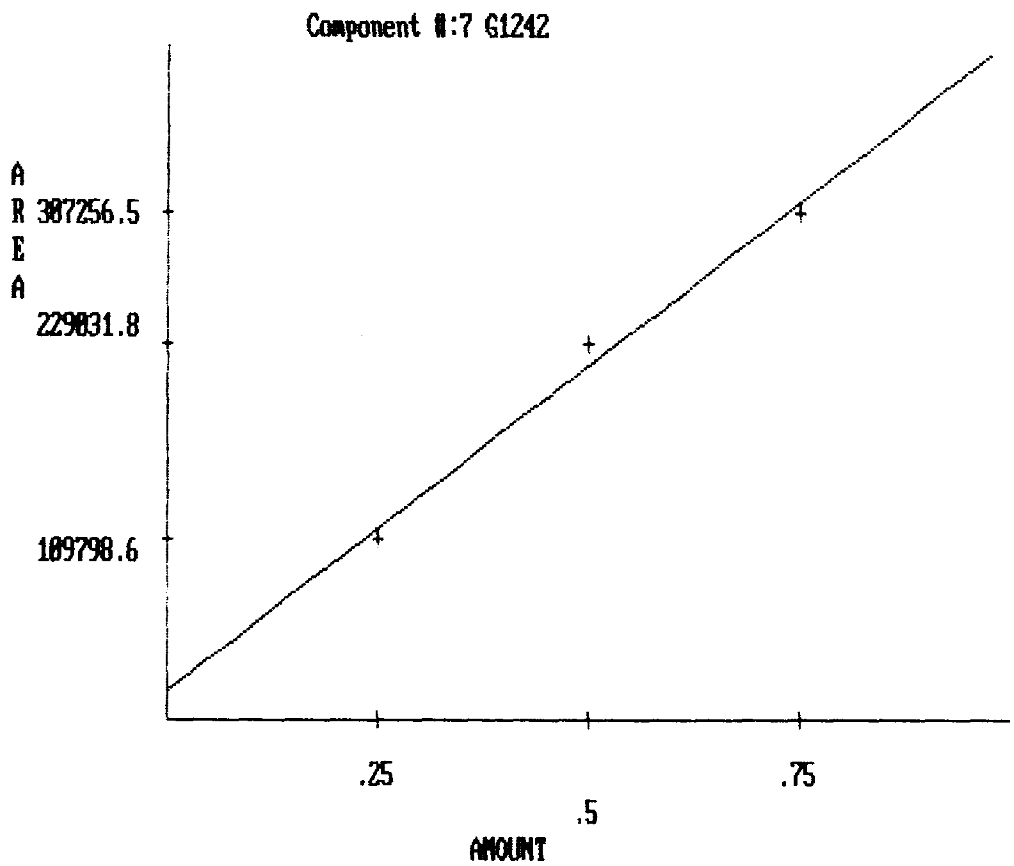
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 2.6329E+05 * Amount + 1.2201E+04

Amount = 3.7981E-06 * Area + -4.6341E-02

Correlation Coefficient = 0.9725

DATASET SF5541

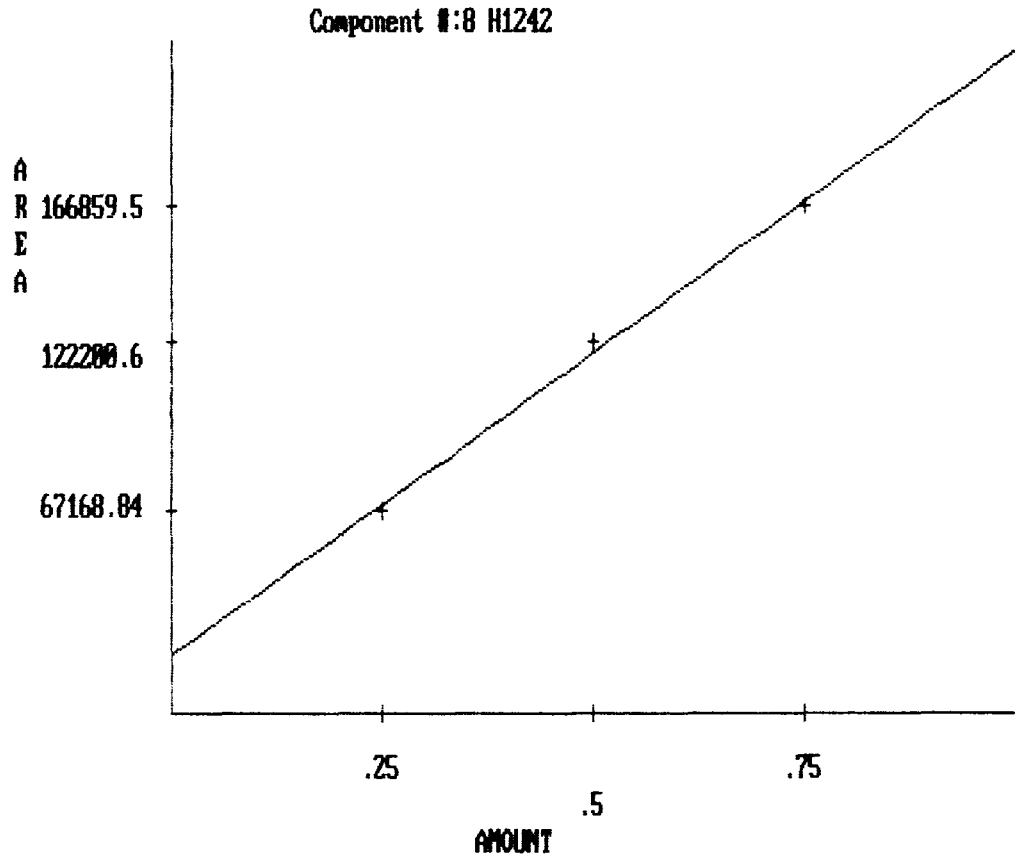


Component 7 = G1242
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.2500	109799
2	0.5000	229032
3	0.7500	307257

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area = 3.9492E+05 * Amount + 1.7904E+04
Amount = 2.5322E-06 * Area + -4.5337E-02
Correlation Coefficient = 0.9858

DATASET SF5541



Component 8 = H1242
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.2500	67169
2	0.5000	122201
3	0.7500	166860

Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 1.9938E+05 * Amount + 1.9052E+04

Amount = 5.0155E-06 * Area + -9.5557E-02

Correlation Coefficient = 0.9964

DATASET SF5541

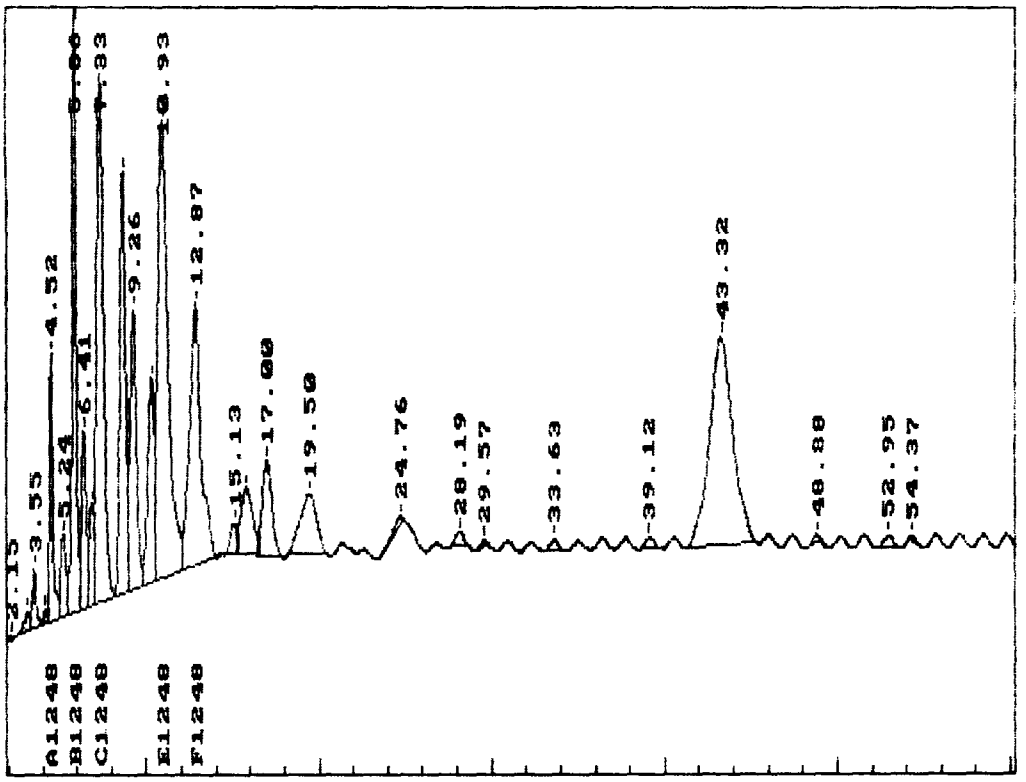
```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-25-1988 11:32:22 Version 4.1 **********************
* Sample Name: A1248 Med                          Data File: A:M\2CLE38    *
* Date: 09-25-1988 09:40:34 Method: A:PCB48 09-25-1988 11:25:17  #  3     *
* Interface: 0   Cycle#:  38   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100            *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                             *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                 *
*            Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                     *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
5	4.52	A1248	0.5000	16.6667%	76861	5984	12.8	2	5	0	6.5052E-06
7	5.86	B1248	0.5000	16.6667%	213246	13597	15.7	2	7	0	2.3447E-06
10	7.33	C1248	0.5000	16.6667%	335801	11845	28.4	2	10	0	1.4890E-06
11	8.66	D1248	0.5000	16.6667%	209481	9448	22.2	2	11	0	2.3868E-06
14	10.93	E1248	0.5000	16.6667%	442757	10242	43.2	2	14	0	1.1293E-06
15	12.87	F1248	0.5000	16.6667%	269456	5878	45.8	2	15	0	1.8556E-06

TOTAL AMOUNT = 3.0000

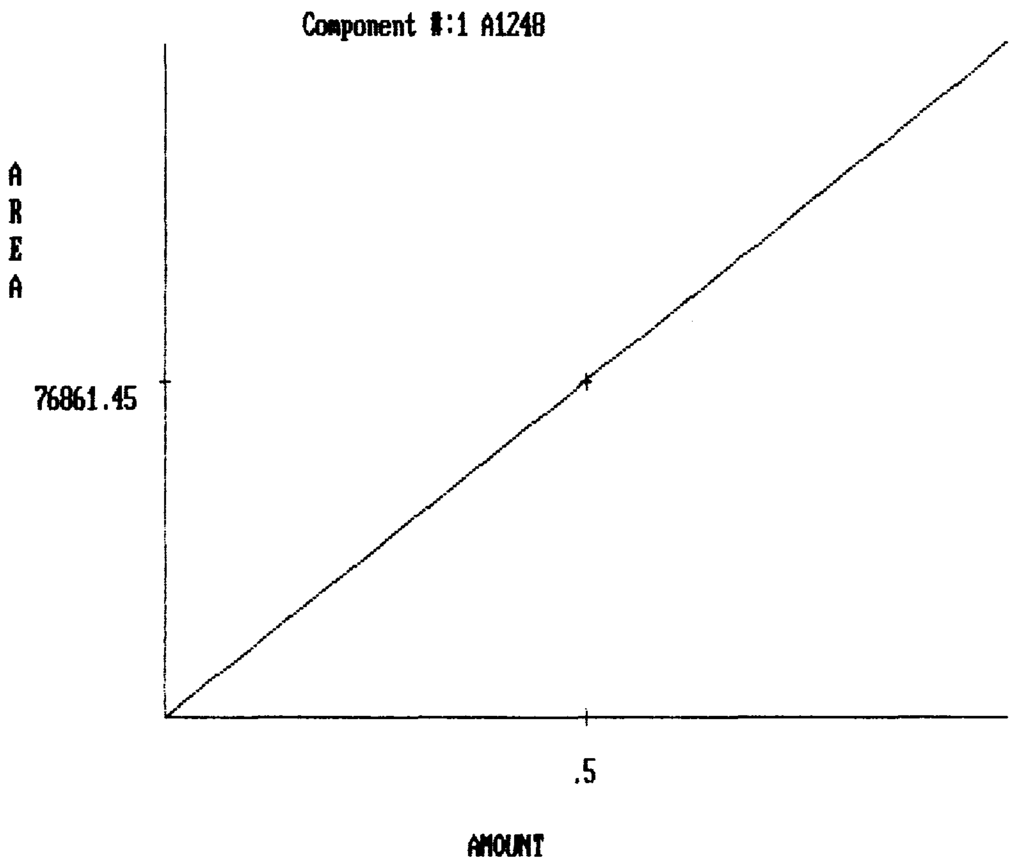
DATASET SF5541

Plot of data file: A:M\2CLE38.PTS
Date: 09-25-1988 Time: 11:33:11
Sample Name: A1248 Med
Start Time= 1.82Stop Time = 60.27Min. Scale= 6737Max. Scale= 20999



DATASET SF5541

Method A:PCB48
Sample
Operator JV
Run date 09-25-1988 11:25:17 version: 3
Printed on 09-25-1988 AT 11:26:09
Straight Line Fit forced through Origin.

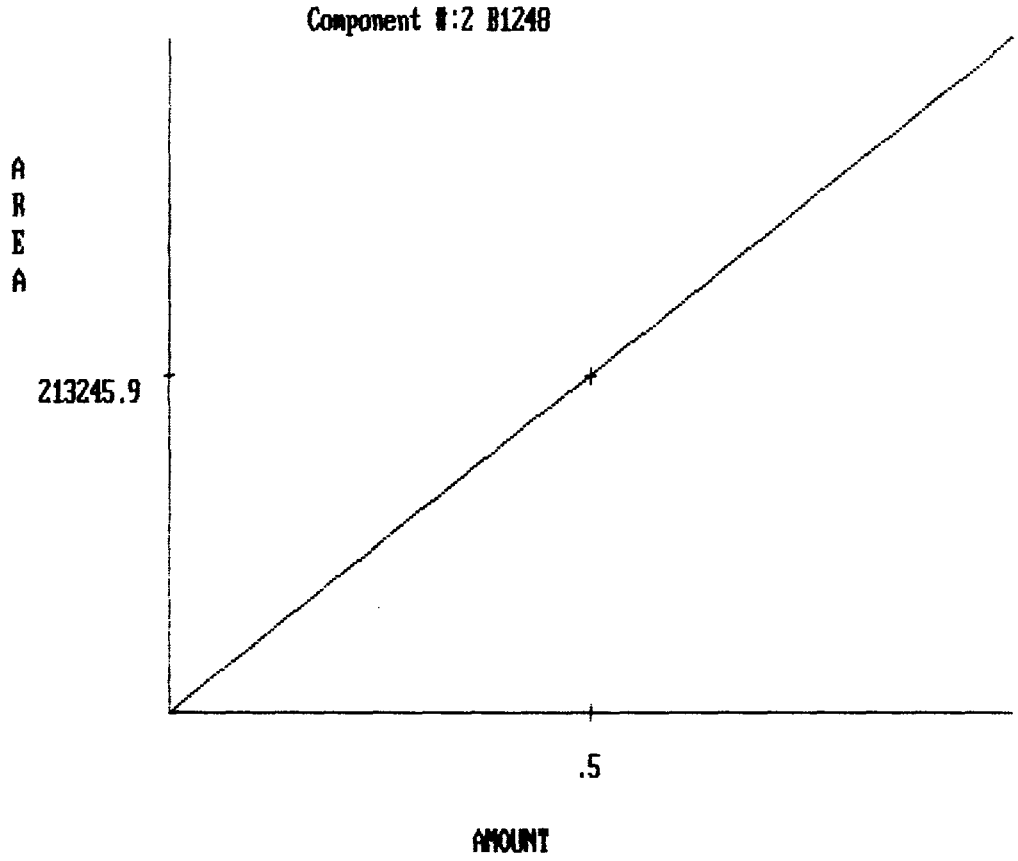


Component 1 = A1248
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	76861

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area = 1.5372E+05 * Amount + 0.0000E+00
Amount = 6.5052E-06 * Area + 0.0000E+00
Correlation Coefficient = 0.0000

DATASET SF5541



Component 2 = B1248
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	213246

Y = SLOPE * X + INTERCEPT

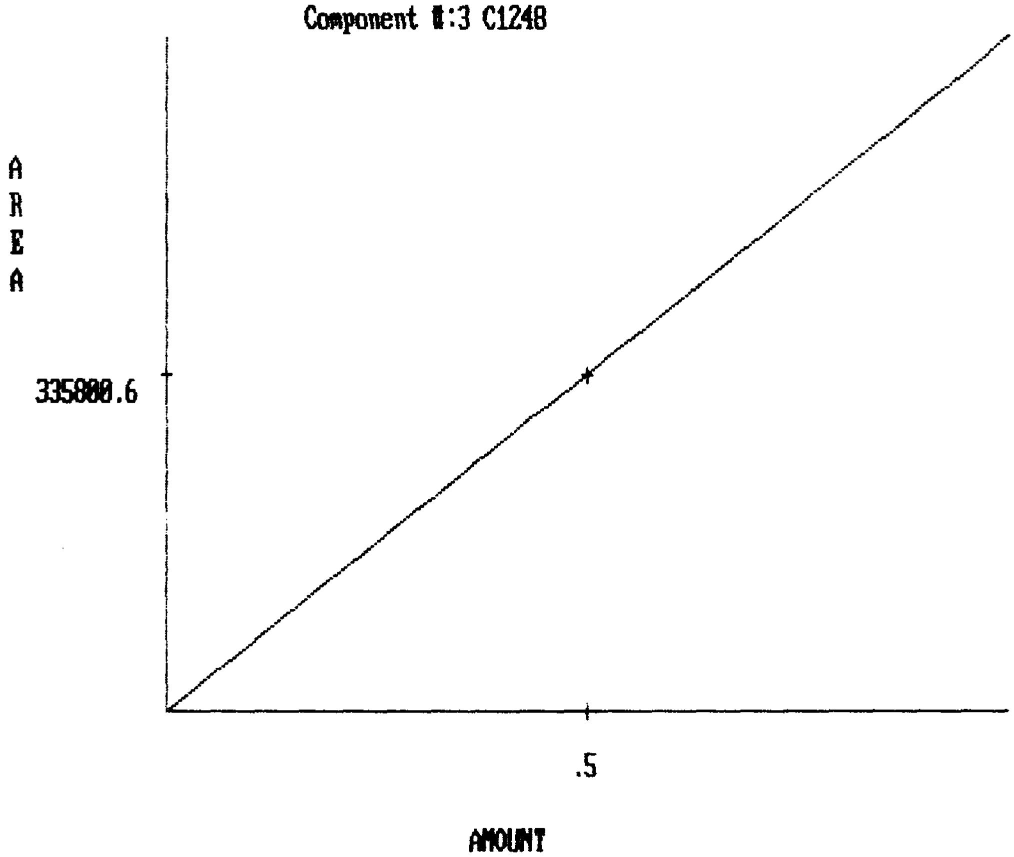
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 4.2649E+05 * Amount + 0.0000E+00

Amount = 2.3447E-06 * Area + 0.0000E+00

Correlation Coefficient = 0.0000

DATASET SF5541



Component 3 = C1248
EXTERNAL STANDARD CALIBRATION

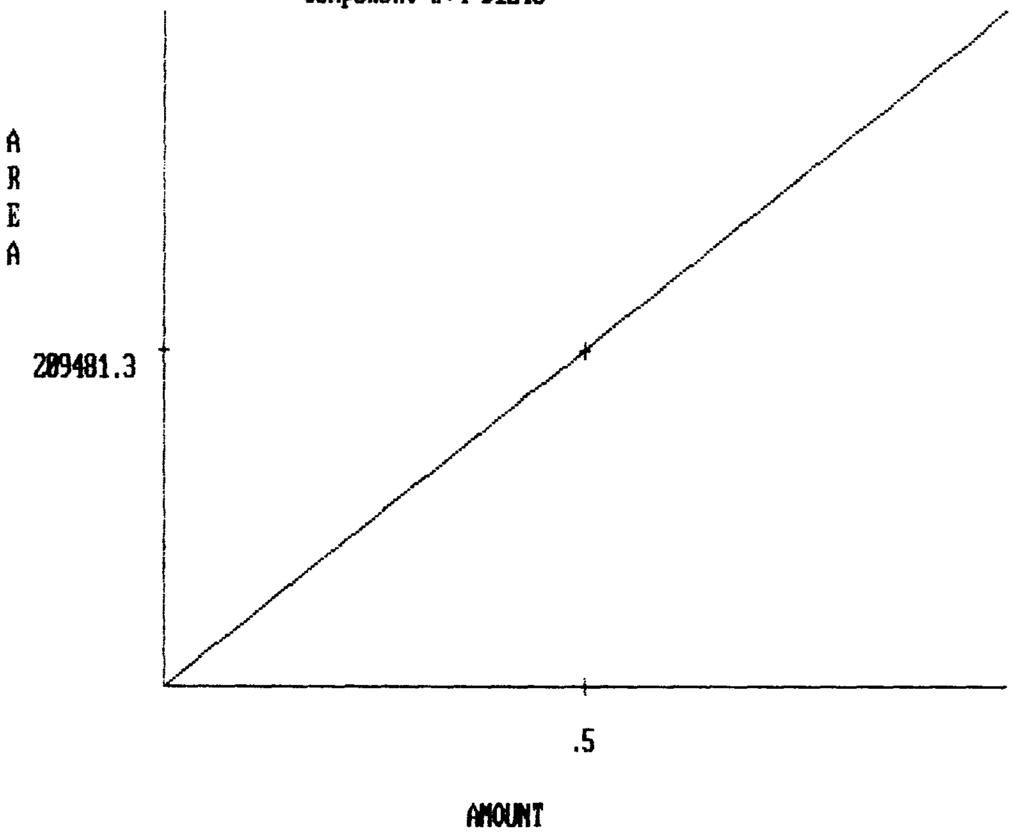
LEVEL	AMOUNT	AREA
1	0.5000	335801

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 6.7160E+05 * Amount + 0.0000E+00
Amount = 1.4890E-06 * Area + 0.0000E+00
Correlation Coefficient = 0.0000

DATASET SF5541

Component #:4 D1248



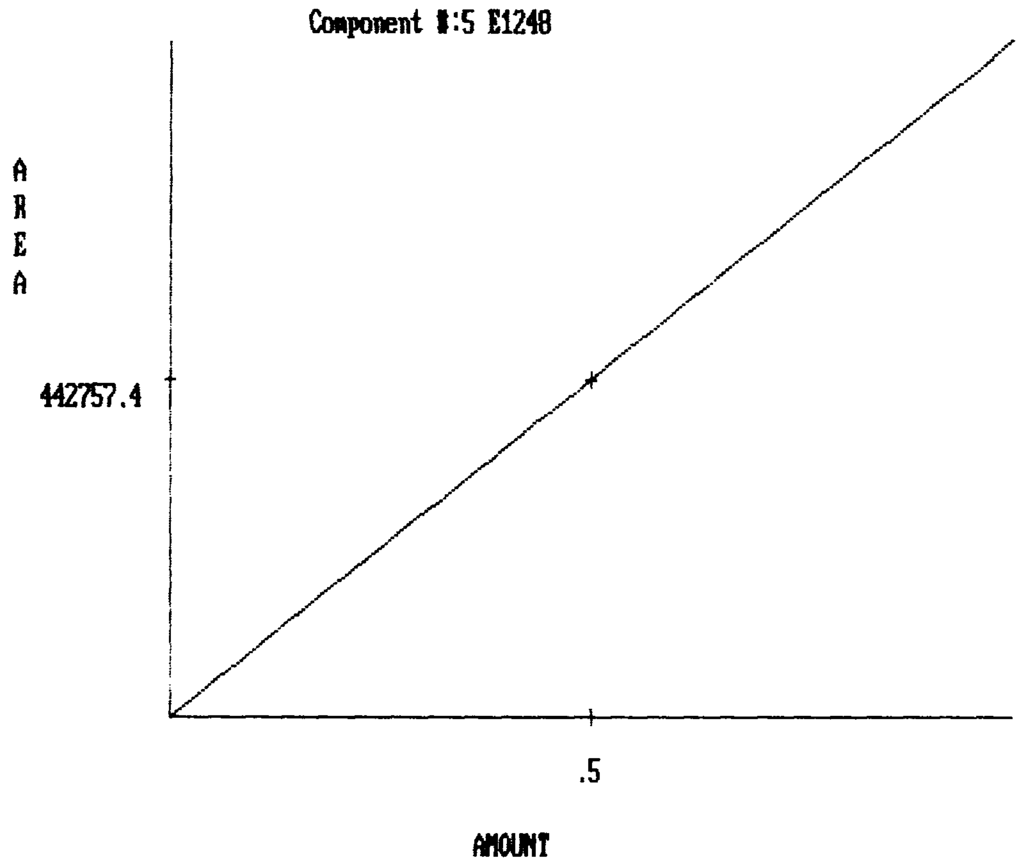
Component 4 = D1248

EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	209481

```
     Y =     SLOPE     *     X    +   INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
    Area       =   4.1896E+05  *  Amount    +   0.0000E+00
 Amount    =   2.3868E-06  *      Area      +   0.0000E+00
 Correlation Coefficient = 0.0000
```

DATASET SF5541



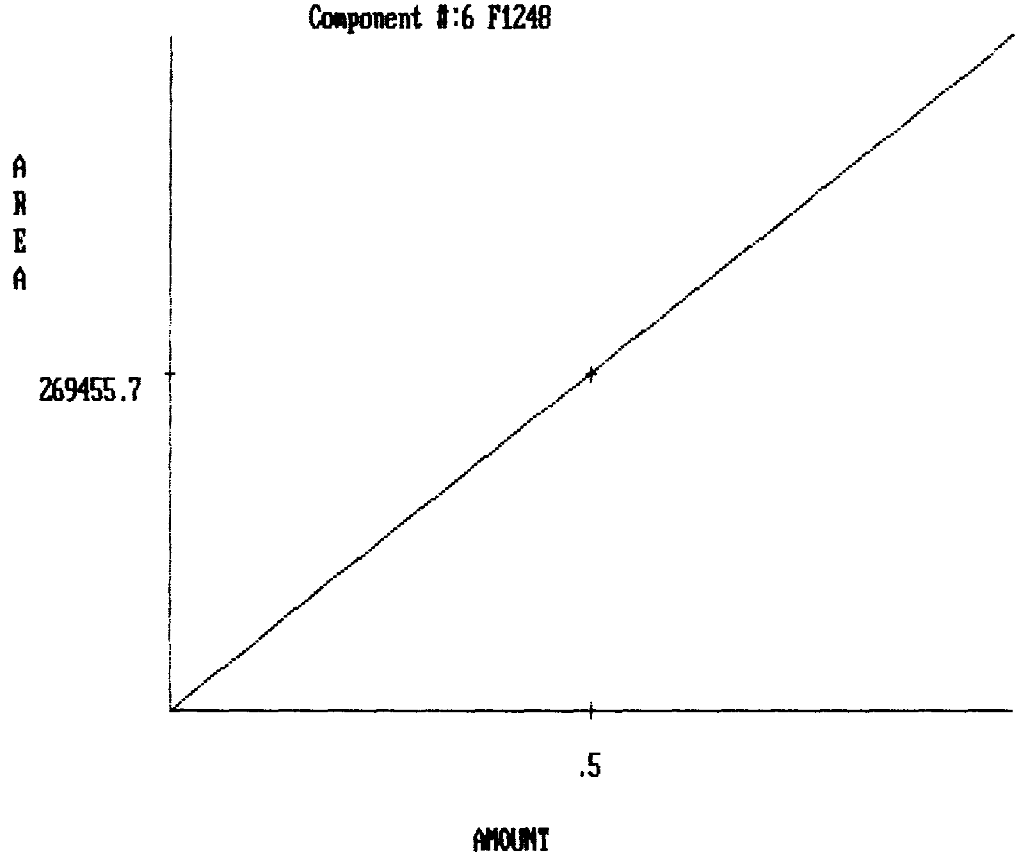
Component 5 = E1248

EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	442757

```
     Y =     SLOPE     *     X     +   INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
    Area      =  8.8551E+05 *  Amount    +   0.0000E+00
 Amount    =  1.1293E-06 *     Area      +   0.0000E+00
 Correlation Coefficient = 0.0000
```

DATASET SF5541



Component 6 = F1248

EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	269456

Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 5.3891E+05 * Amount + 0.0000E+00

Amount = 1.8556E-06 * Area + 0.0000E+00

Correlation Coefficient = 0.0000

DATASET SF5541

```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-24-1988 14:30:44 Version 4.1 **********************
* Sample Name: A1254 Med                          Data File: A:M\2CLE66    *
* Date: 09-26-1988 16:43:18 Method: A:PCB54 09-24-1988 14:21:13  #  4     *
* Interface: 0   Cycle#:  66   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  15   Threshold: .1  Area Threshold: 100           *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*            Solvent Description: NITROGEN                                *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                 *
*            Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                     *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Sample Weight:          1.000000
```

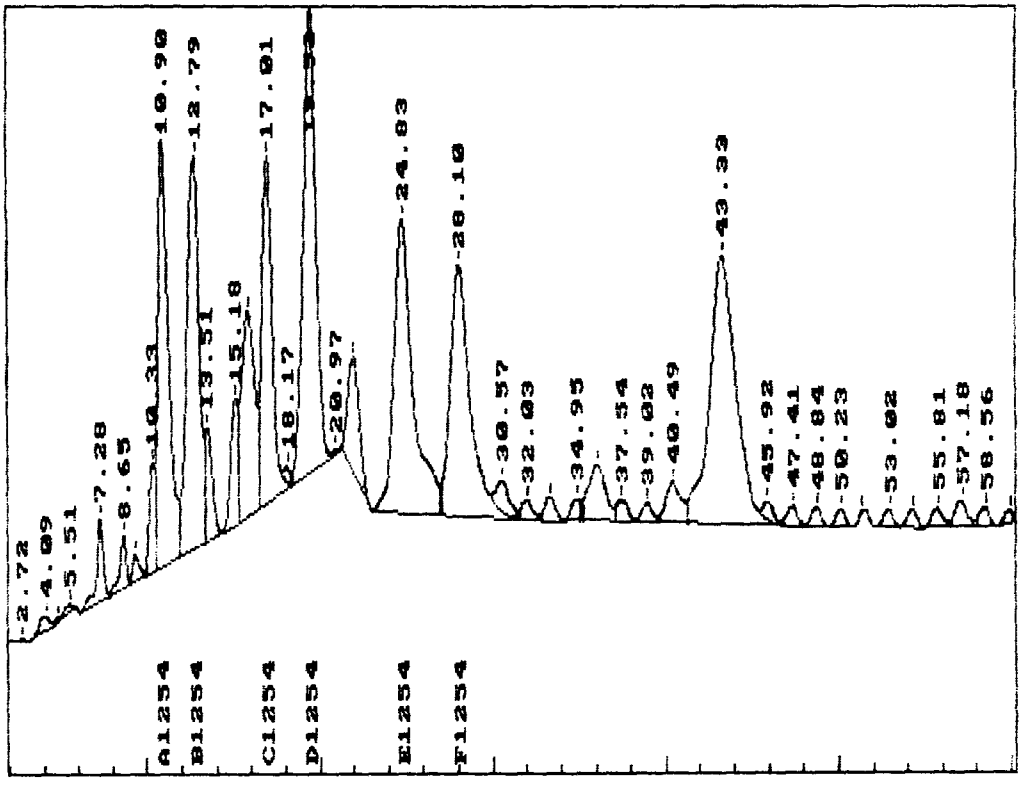
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/~~ml~~ J.U	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
9	10.90	A1254	0.5000	16.6667%	322810	7375	43.8	2	9	0	1.5489E-06
10	12.79	B1254	0.5000	16.6667%	343142	6761	50.8	2	10	0	1.4571E-06
14	17.01	C1254	0.5000	16.6667%	247699	5967	41.5	3	14	0	2.0186E-06
16	19.52	D1254	0.5000	16.6667%	409055	8078	50.6	3	16	0	1.2223E-06
19	24.83	E1254	0.5000	16.6667%	386216	5066	76.2	2	19	0	1.2946E-06
20	28.10	F1254	0.5000	16.6667%	341262	4330	78.8	3	20	0	1.4652E-06

TOTAL AMOUNT = 3.0000

J.U. 9-29-88

Plot of data file: A:M\2CLE66.PTS
Date: 09-24-1988 Time: 14:31:21
Sample Name: A1254 Med
Start Time= 1.82Stop Time = 60.27Min. Scale= 7088Max. Scale= 18075

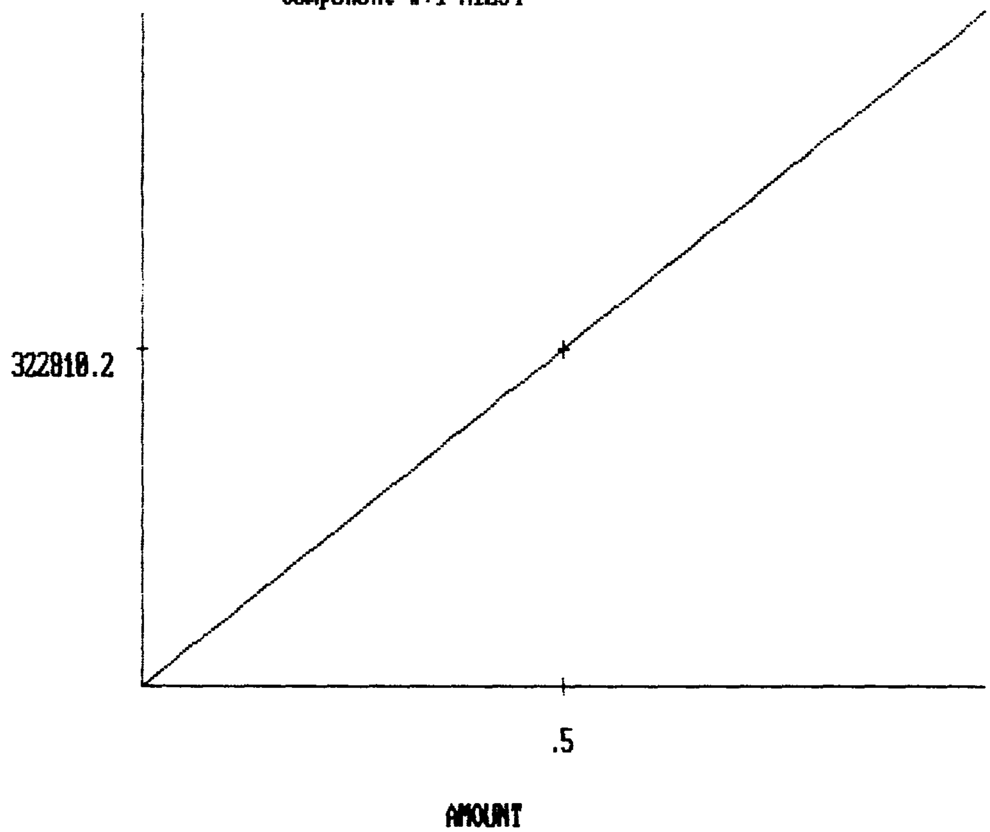
DATASET SF5541



DATASET SF5541

Method A:PCB54
Sample
Operator JV
Run date 09-24-1988 14:21:13 version: 4
Printed on 09-24-1988 AT 14:32:47
Straight Line Fit forced through Origin.

Component #:1 A1254



Component 1 = A1254
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	322810

Y = SLOPE * X + INTERCEPT

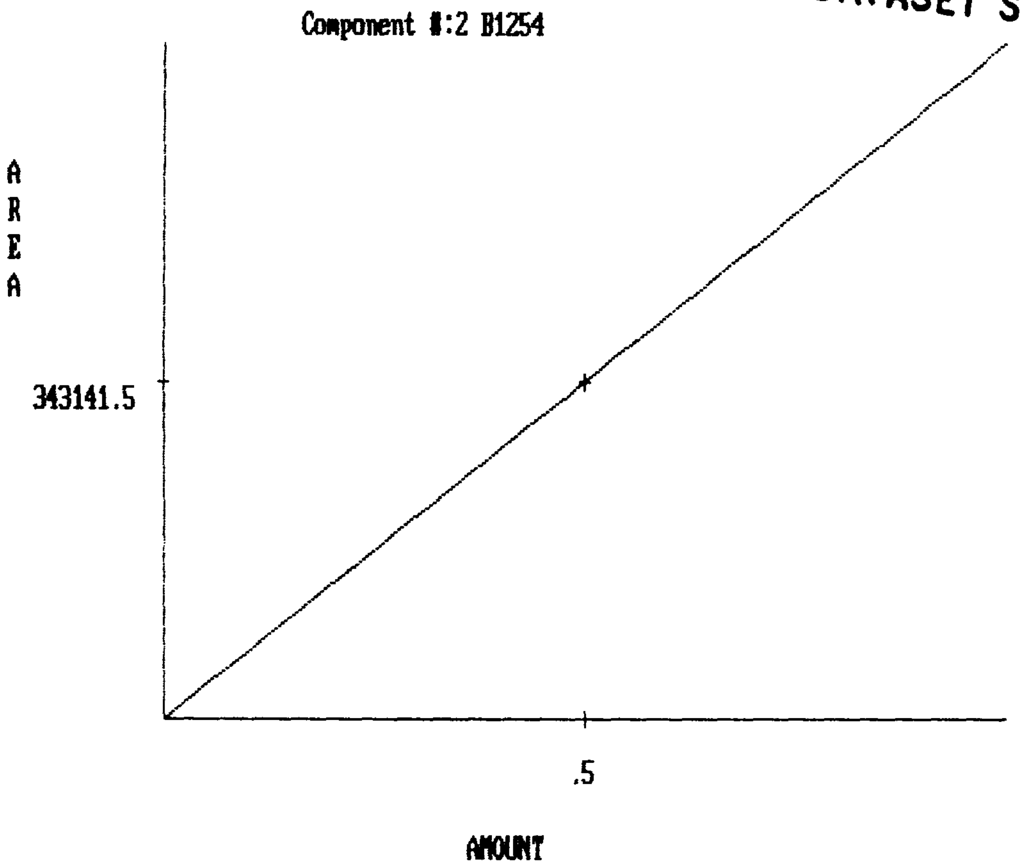
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 6.4562E+05 * Amount + 0.0000E+00

Amount = 1.5489E-06 * Area + 0.0000E+00

Correlation Coefficient = 0.0000

DATASET SF5541



Component 2 = B1254
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	343142

Y = SLOPE * X + INTERCEPT

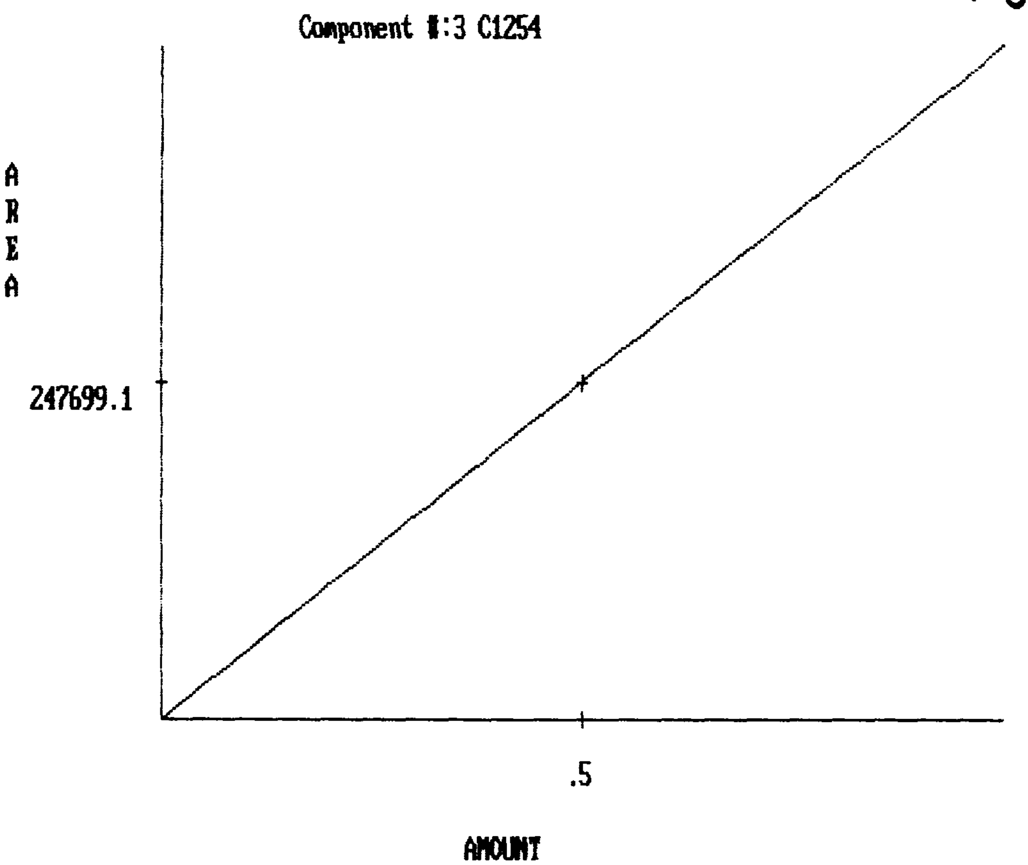
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 6.8628E+05 * Amount + 0.0000E+00

Amount = 1.4571E-06 * Area + 0.0000E+00

Correlation Coefficient = 0.0000

DATASET SF5541



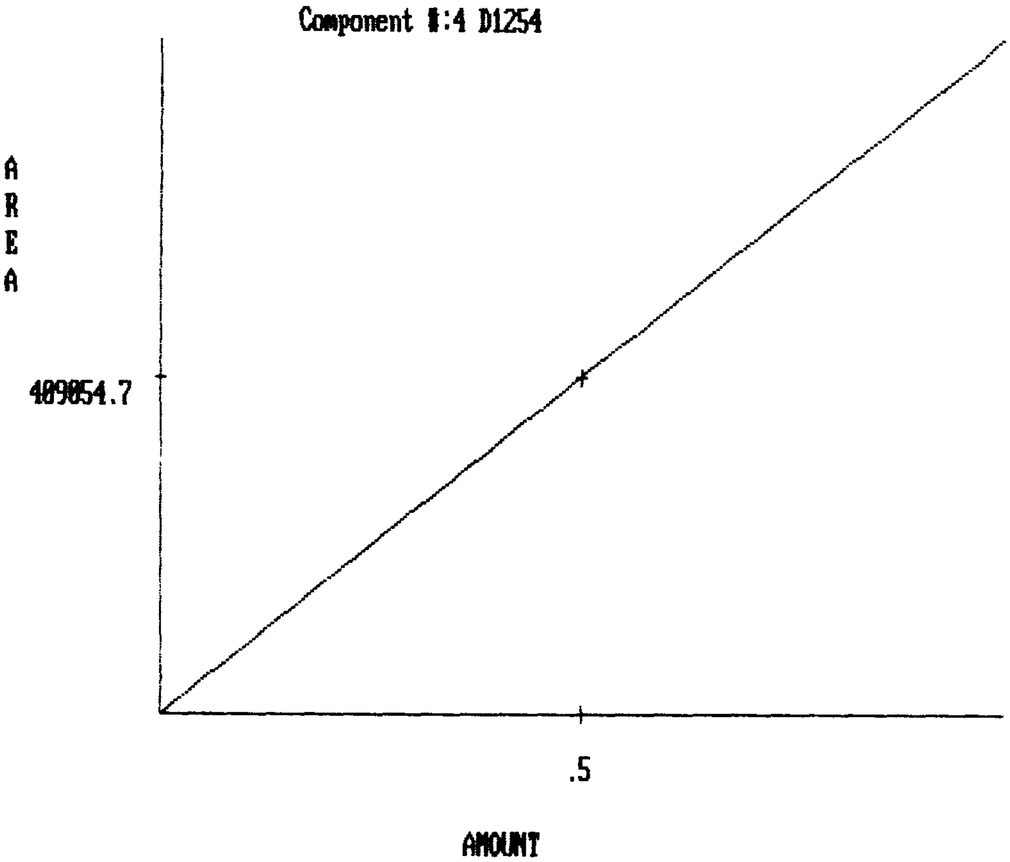
Component 3 = C1254

EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	247699

```
     Y =     SLOPE     *     X    +   INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
   Area      =  4.9540E+05 *  Amount    +  0.0000E+00
 Amount    =  2.0186E-06 *     Area     +  0.0000E+00
 Correlation Coefficient = 0.0000
```

DATASET SF5541



Component 4 = D1254

EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	409055

Y = SLOPE * X + INTERCEPT

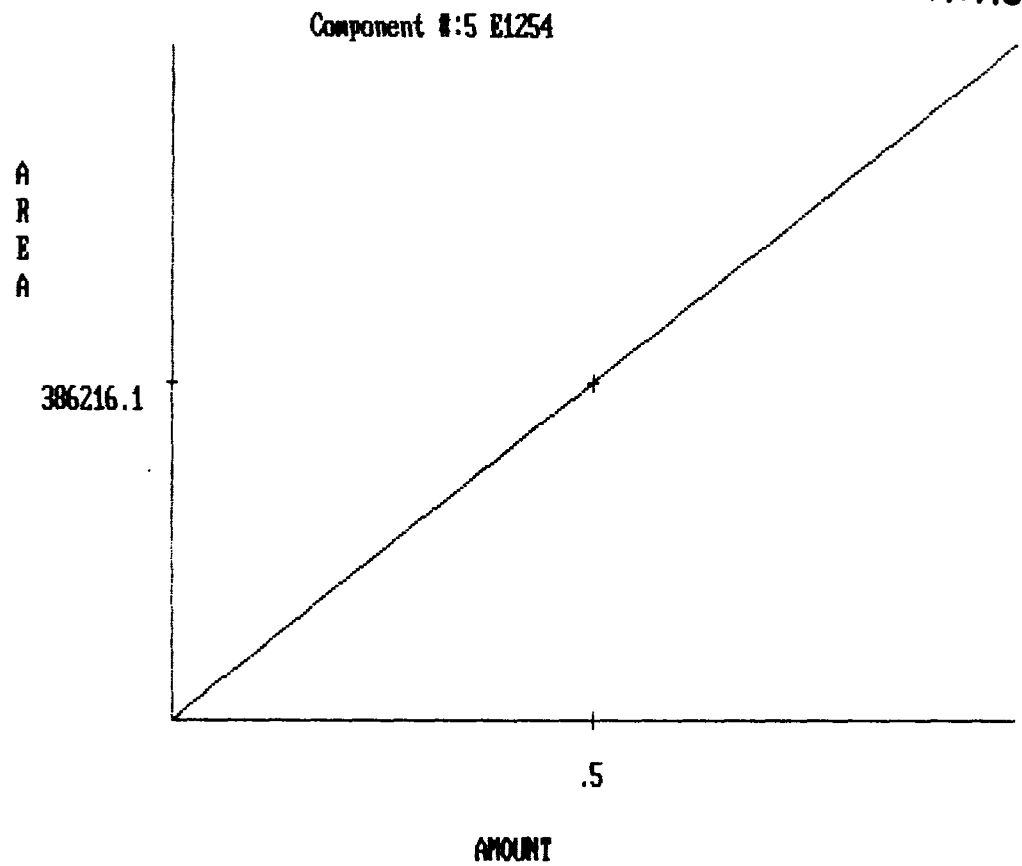
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 8.1811E+05 * Amount + 0.0000E+00

Amount = 1.2223E-06 * Area + 0.0000E+00

Correlation Coefficient = 0.0000

DATASET SF5541

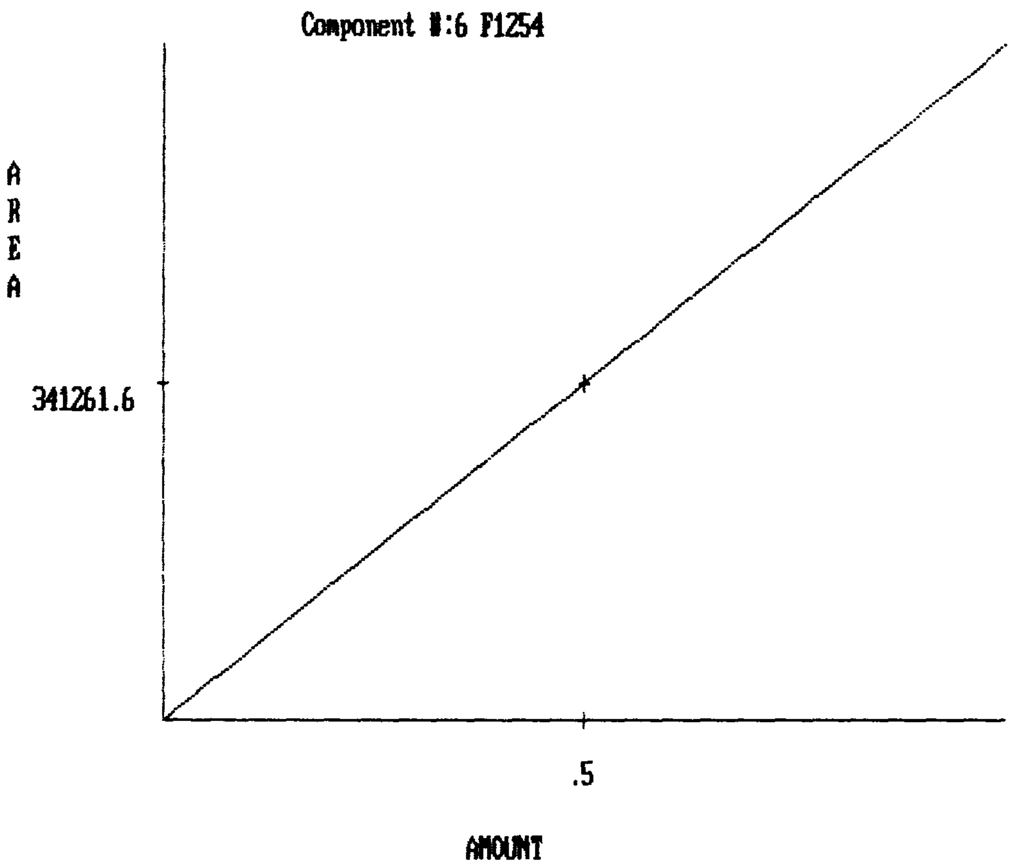


Component 5 = E1254
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	386216

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area = 7.7243E+05 * Amount + 0.0000E+00
Amount = 1.2946E-06 * Area + 0.0000E+00
Correlation Coefficient = 0.0000

DATASET SF5541



Component 6 = F1254
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	341262

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 6.8252E+05 * Amount + 0.0000E+00
Amount = 1.4652E-06 * Area + 0.0000E+00
Correlation Coefficient = 0.0000

DATASET SF5541

```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-28-1988 13:49:13 Version 4.1 **********************
* Sample Name: A1260 Med                          Data File: a:m\2cle69    *
* Date: 09-26-1988 19:56:41 Method: A:PCB60 09-28-1988 13:41:56  #  3     *
* Interface: 0   Cycle#:  69   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: .5  Area Threshold: 100           *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*            Solvent Description: NITROGEN                               *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                 *
*           Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                     *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Sample Weight:          1.000000
```

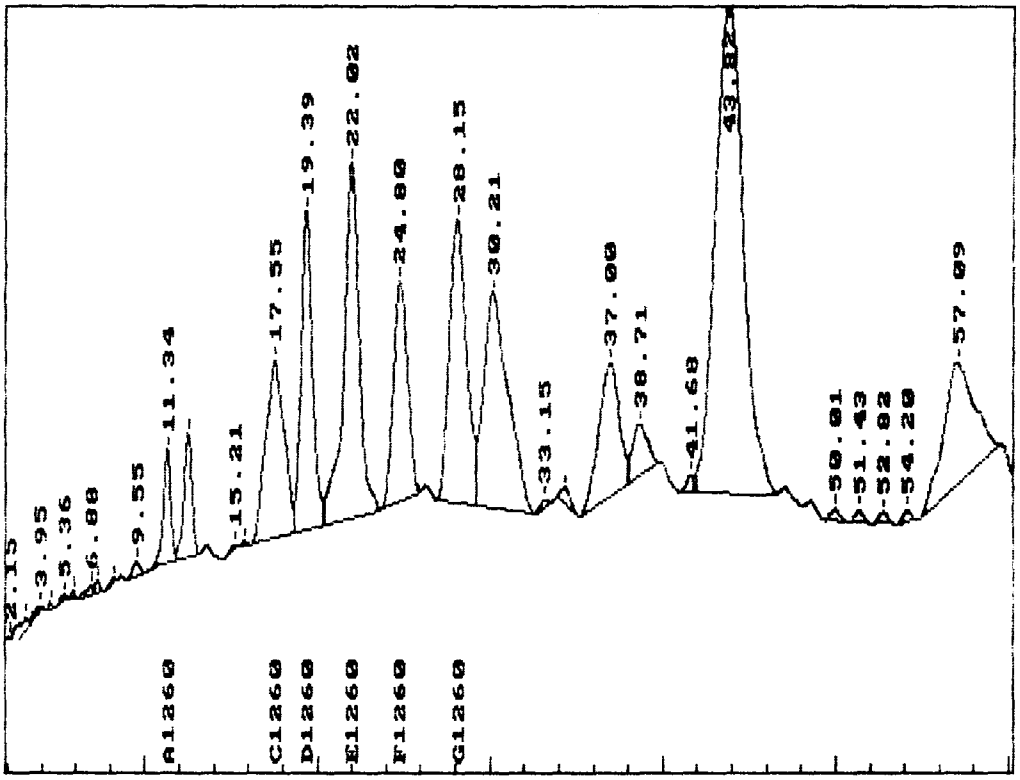
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/Kml J.V.	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
11	11.34	A1260	0.5000	14.2857%	70908	2402	29.5	2	11	0	7.0514E-06
12	12.52	B1260	0.5000	14.2857%	86155	2640	32.6	2	12	0	5.8035E-06
15	17.55	C1260	0.5000	14.2857%	278883	3771	73.9	2	15	0	1.7929E-06
16	19.39	D1260	0.5000	14.2857%	309111	6743	45.8	2	16	0	1.6175E-06
17	22.02	E1260	0.5000	14.2857%	460759	7527	61.2	2	17	0	1.0852E-06
18	24.80	F1260	0.5000	14.2857%	266752	4659	57.3	1	18	0	1.8744E-06
19	28.15	G1260	0.5000	14.2857%	414770	5997	69.2	2	19	0	1.2055E-06

TOTAL AMOUNT = 3.5000

J.V. 9-29-88

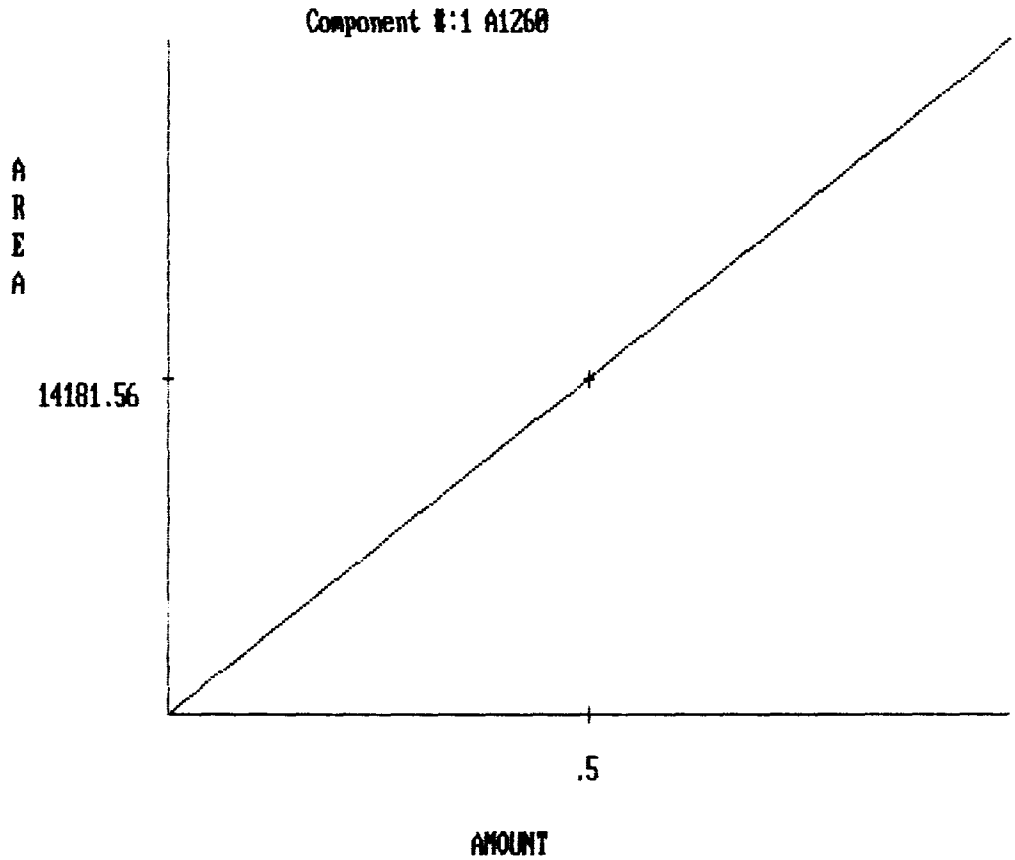
DATASET SF5541

Plot of data file: a:m\2cle69.PTS
Date: 09-28-1988 Time: 13:49:47
Sample Name: A1260 Med
Start Time= 1.82Stop Time = 60.27Min. Scale= 6840Max. Scale= 20366



DATASET SF5541

Method A:PCB60
Sample
Operator JV
Run date 09-25-1988 09:34:02 version: 2
Printed on 09-25-1988 AT 09:39:06
Straight Line Fit forced through Origin.

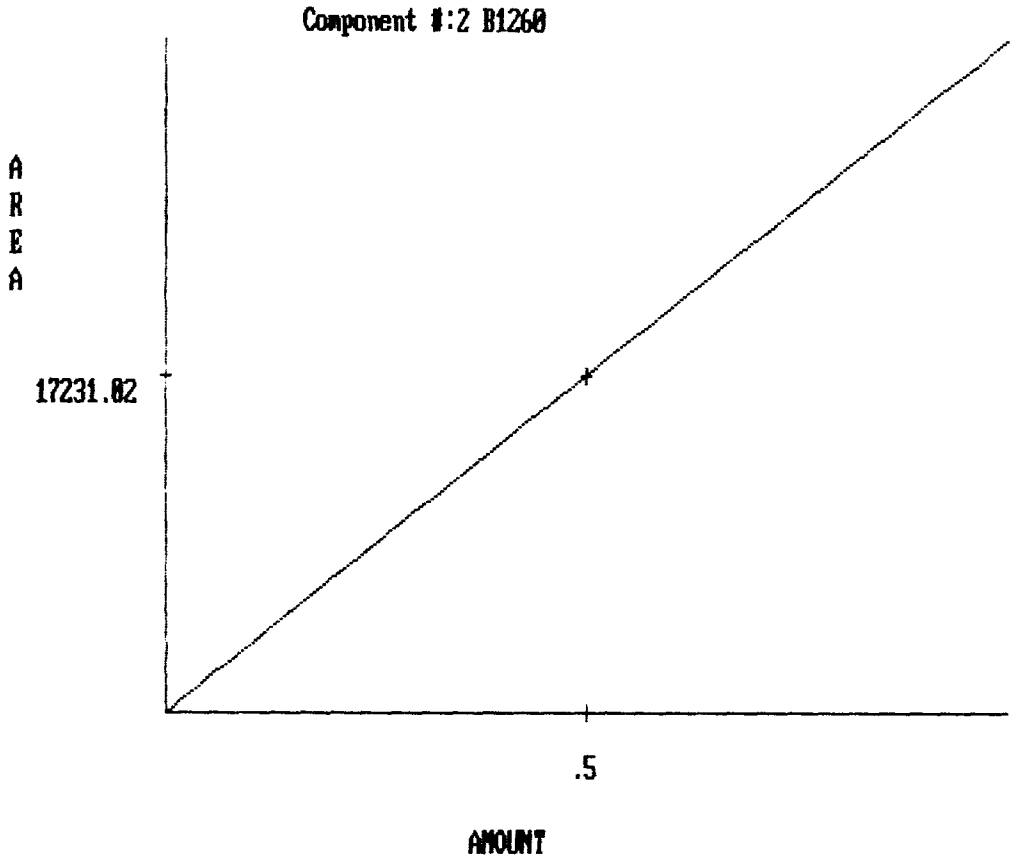


Component 1 = A1260
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	14182

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area = 2.8363E+04 * Amount + 0.0000E+00
Amount = 3.5257E-05 * Area + 0.0000E+00
Correlation Coefficient = 0.0000

DATASET SF5541



Component 2 = B1260
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	17231

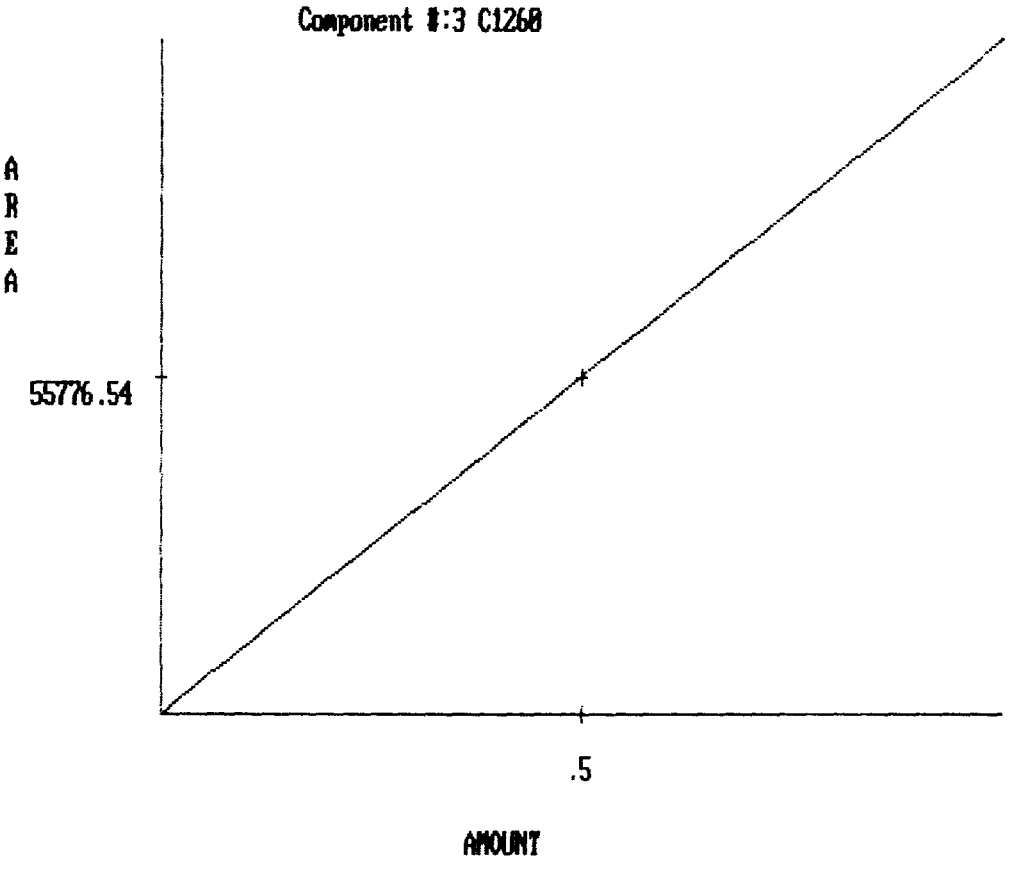
Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 3.4462E+04 * Amount + 0.0000E+00

Amount = 2.9017E-05 * Area + 0.0000E+00

Correlation Coefficient = 0.0000



Component 3 = C1260
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	55777

Y = SLOPE * X + INTERCEPT

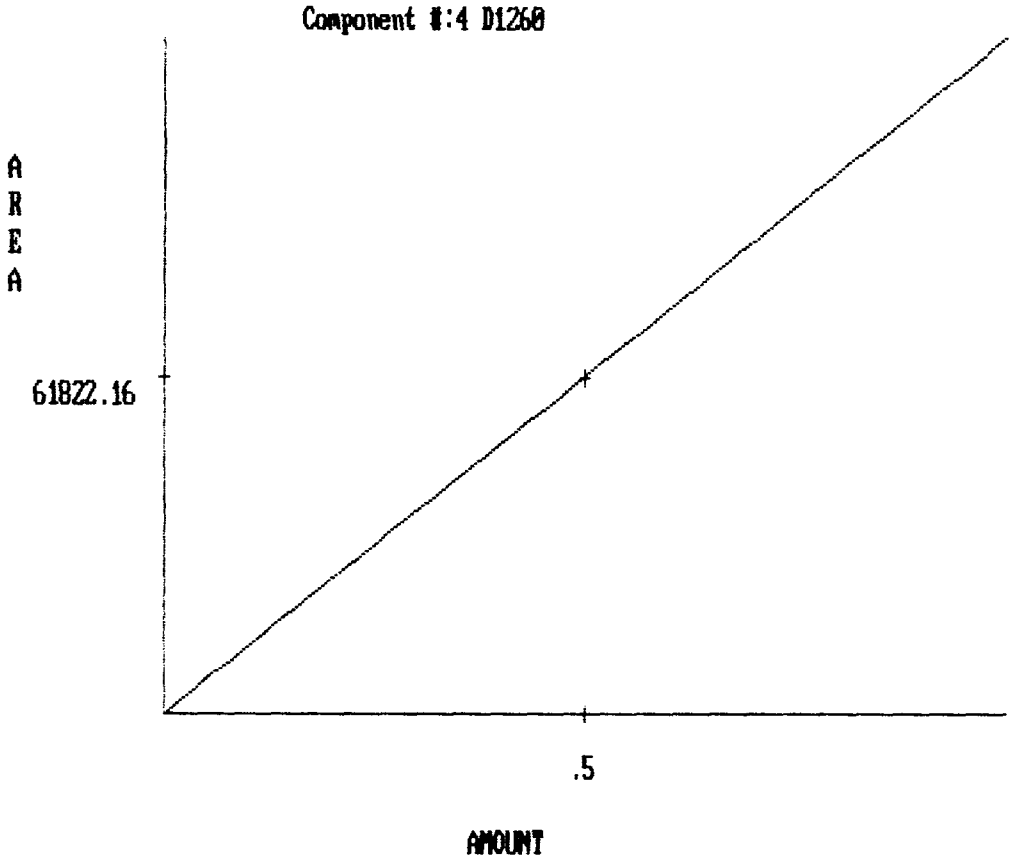
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 1.1155E+05 * Amount + 0.0000E+00

Amount = 8.9643E-06 * Area + 0.0000E+00

Correlation Coefficient = 0.0000

DATASET SF5541



Component 4 = D1260
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	61822

Y = SLOPE * X + INTERCEPT

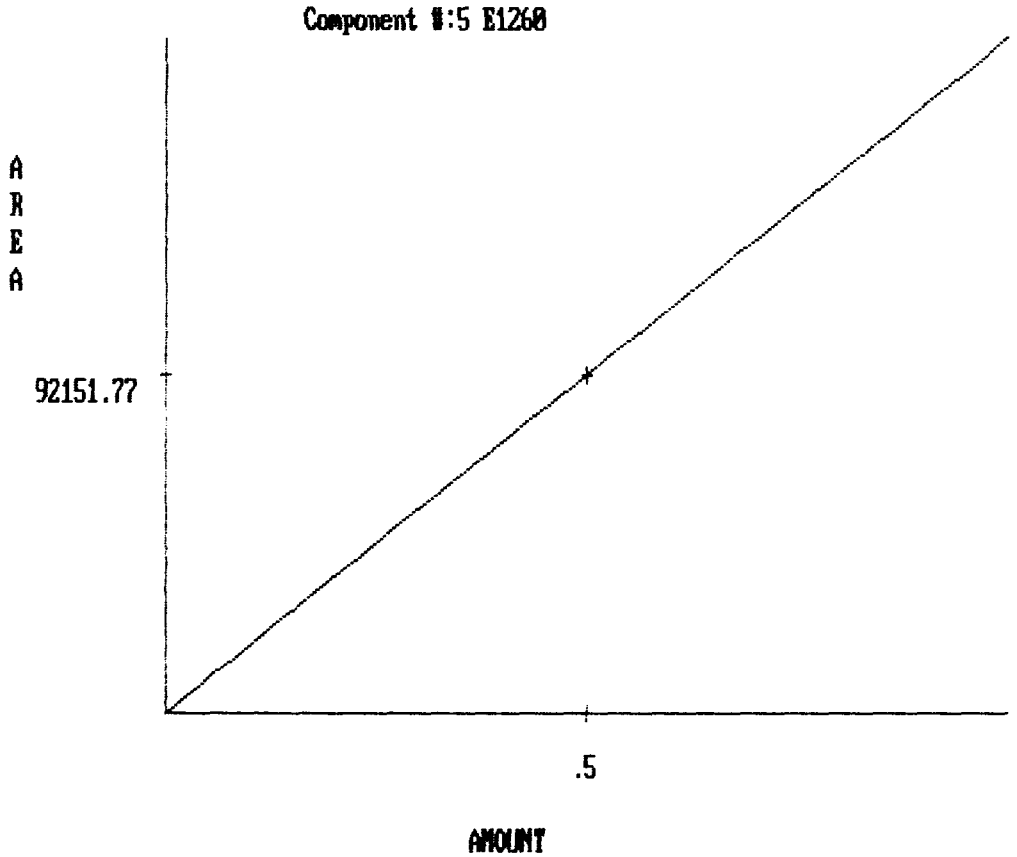
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 1.2364E+05 * Amount + 0.0000E+00

Amount = 8.0877E-06 * Area + 0.0000E+00

Correlation Coefficient = 0.0000

DATASET SF5541



Component 5 = E1260
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	92152

Y = SLOPE * X + INTERCEPT

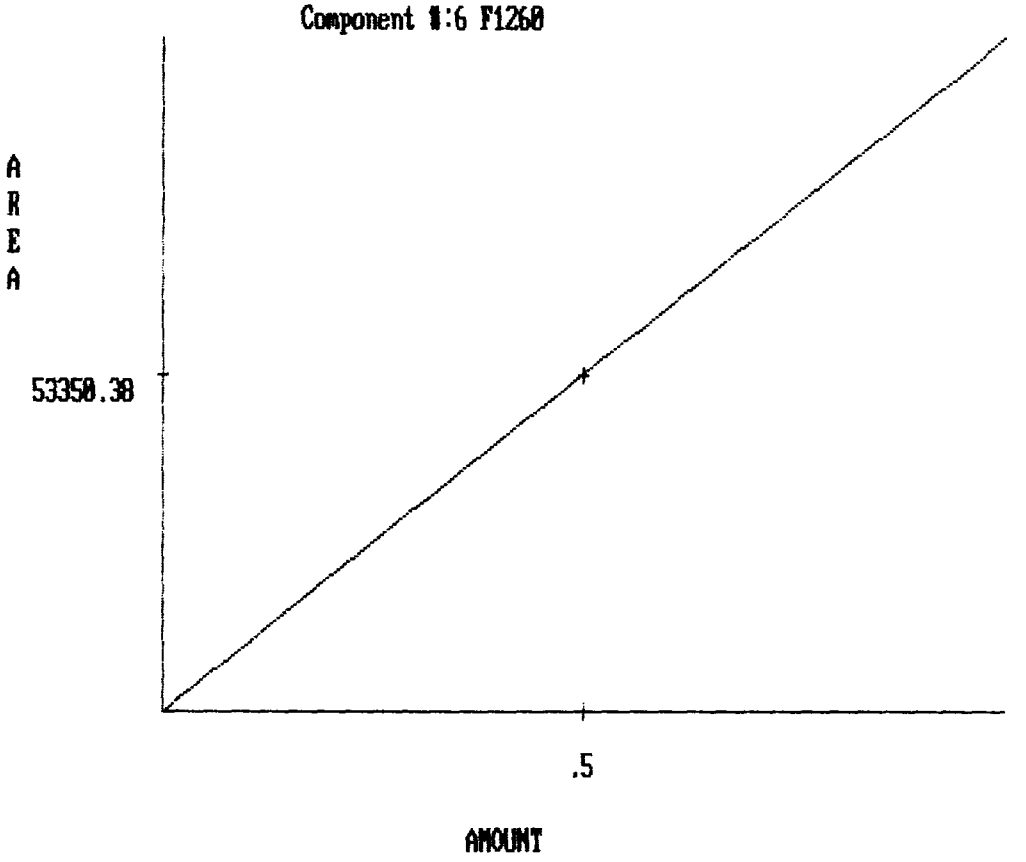
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 1.8430E+05 * Amount + 0.0000E+00

Amount = 5.4258E-06 * Area + 0.0000E+00

Correlation Coefficient = 0.0000

DATASET SF5541



Component 6 = F1260
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	53350

Y = SLOPE * X + INTERCEPT

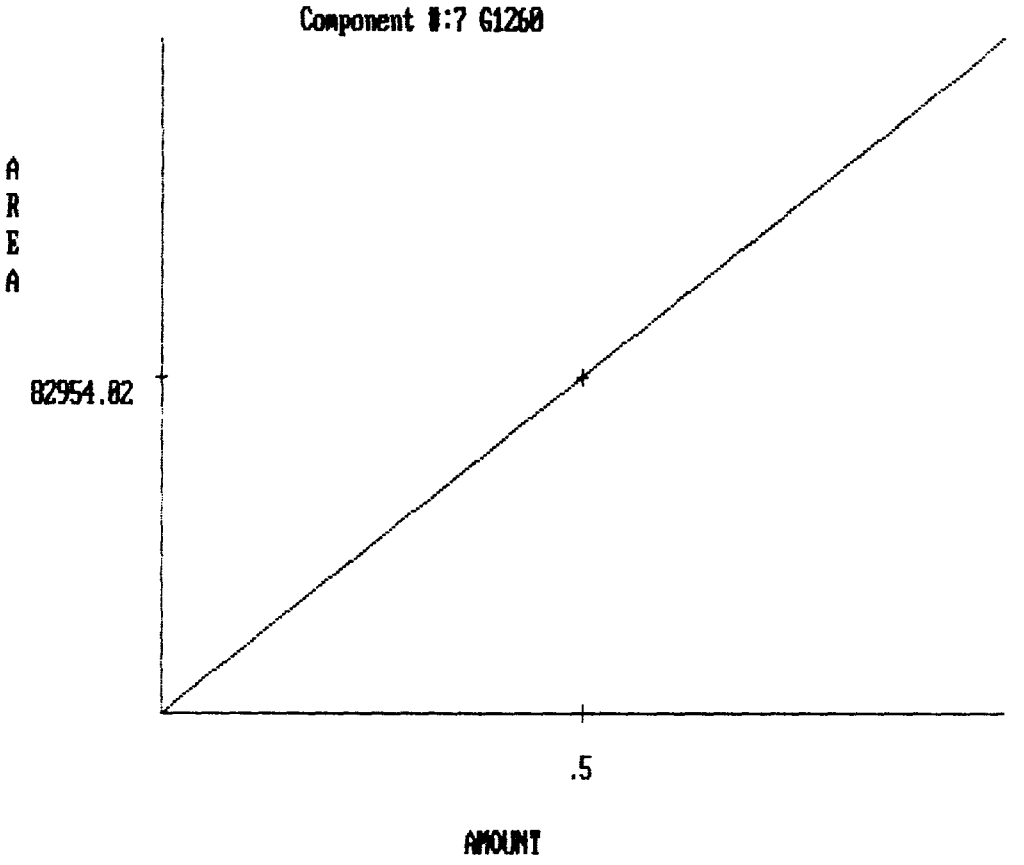
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 1.0670E+05 * Amount + 0.0000E+00

Amount = 9.3720E-06 * Area + 0.0000E+00

Correlation Coefficient = 0.0000

DATASET SF5541



Component 7 = G1260
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.5000	82954

Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 1.6591E+05 * Amount + 0.0000E+00

Amount = 6.0274E-06 * Area + 0.0000E+00

Correlation Coefficient = 0.0000

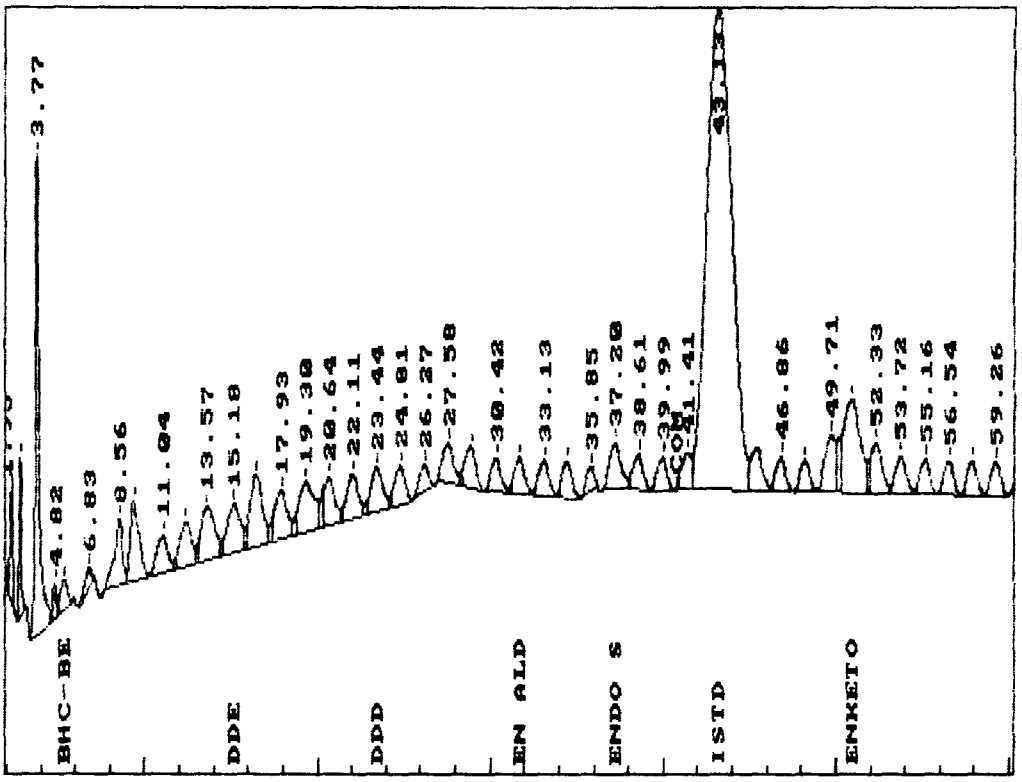
```
******   INTERNAL STANDARD TABLE   ******
******************** 09-24-1988 10:11:08 Version 4.1 **********************
* Sample Name: 88FM30R02                          Data File: A:M\2CLE53    *
* Date: 09-26-1988 02:15:29 Method: A:1PESTB 09-23-1988 12:01:34  #  34    *
* Interface: 0   Cycle#:  53   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  15   Threshold: .3  Area Threshold: 100            *
*************************************************************************
* Instrument Type: TRACOR 540            Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                               *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                   *
*             Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                       *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:   60.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        5.00               Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
7	5.32	BHC-BETA	0.0202	4.8035%	7255	260	27.9	2	7	34	0	2.7872E-06
14	15.18	DDE	0.0497	11.7950%	22358	438	51.0	2	14	34	0	2.2209E-06
20	23.44	DDD	0.2042	48.5094%	18132	401	45.2	2	20	34	0	1.1262E-05
26	31.68	EN ALDEHYDE	-0.0415	-9.8510%	12795	320	40.0	2	26	34	0	-3.2410E-06
30	37.20	ENDO SULFATE	0.0147	3.5002%	18569	412	45.0	2	30	34	0	7.9353E-07
34	43.13	ISTD	1.0000	0.0000%	436450	4364	100.0	2	34	34	0	2.2912E-06
38	50.90	ENKETONE	0.1736	41.2428%	55502	841	66.0	2	38	34	0	3.1282E-06

TOTAL AMOUNT = 0.4210

DATASET SF5541

Plot of data file: A:M\2CLE53.PTS
Date: 09-24-1988 Time: 10:11:54
Sample Name: 88FM30R02
Start Time= 1.82Stop Time = 60.27Min. Scale= 7779Max. Scale= 13510



DATASET SF5541

****** INTERNAL STANDARD TABLE ******

********** 09-24-1988 10:08:26 Version 4.1 **********

* Sample Name: 88FM30R02 Data File: A:M\2CLE53 *
* Date: 09-26-1988 02:15:29 Method: A:1PESTA 09-23-1988 09:17:00 # 82 *
* Interface: 0 Cycle#: 53 Operator LIN Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 15 Threshold: .3 Area Threshold: 100 *

****

* Instrument Type: TRACOR 540 Column Type: 0-SP2100; 1-Mixed Ph *
* Solvent Description: NITROGEN *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250 *
* Detector 0: ECD Detector 1: ECD *
* Misc. Information: *

****

Starting Delay: 1.80 Ending retention time: 60.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 5.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
5	3.77	ALPHA BHC	0.0936	5.3679%	60912	4326	14.1	2	5	34	0	1.5366E-06
6	4.82	LINDANE	0.1070	6.1364%	4379	314	13.9	2	6	34	0	2.4434E-05
8	6.83	ALDRIN	0.1032	5.9171%	3801	152	25.0	1	8	34	0	2.7143E-05
11	11.04	HEPTACHLOR EPOXIDE	0.0657	3.7653%	14509	345	42.0	2	11	34	0	4.5251E-06
13	13.57	ENDOSULFAN I	0.1481	8.4909%	24377	479	50.9	2	13	34	0	6.0734E-06
15	16.45	DIELDRIN	0.3108	17.8220%	30586	646	47.3	2	15	34	0	1.0160E-05
17	19.30	ENDRIN	0.3217	18.4522%	27056	459	58.9	2	17	34	0	1.1892E-05
20	23.44	ENDOSULFAN II	0.0850	4.8741%	18132	401	45.2	2	20	34	0	4.6870E-06
24	28.89	DDT	0.2805	16.0876%	15880	371	42.8	2	24	34	0	1.7665E-05
34	43.13	ISTD	1.0000	0.0000%	436450	4364	100.0	2	34	34	0	2.2912E-06
38	50.90	DIBUTYLCHLOR	0.0083	0.4759%	55502	841	66.0	2	38	34	0	1.4952E-07
39	52.33	METHOXYCHLOR	0.2199	12.6106%	19466	454	42.8	2	39	34	0	1.1296E-05

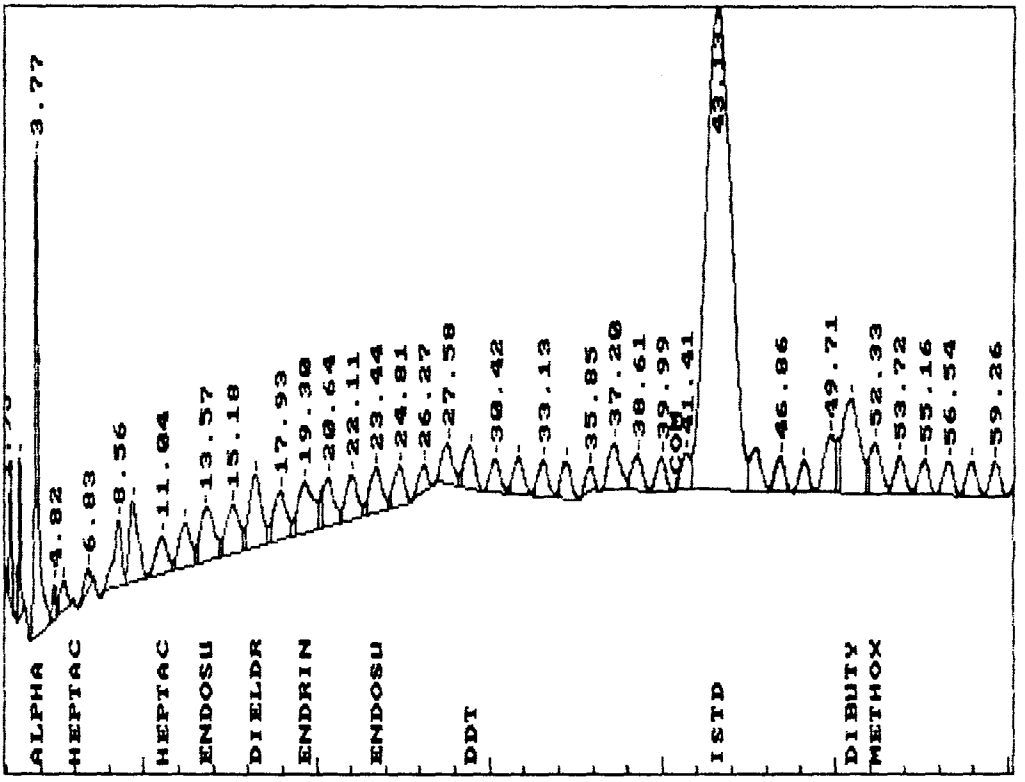
TOTAL AMOUNT = 1.7436

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
HEPTACHLOR	5.94	HEPTACHLOR

Plot of data file: A:M\2CLE53.PTS
Date: 09-24-1988 Time: 10:09:27
Sample Name: 88FM30R02
Start Time= 1.82Stop Time = 60.27Min. Scale= 7779Max. Scale= 13510

DATASET SF5541



DATASET SF5541

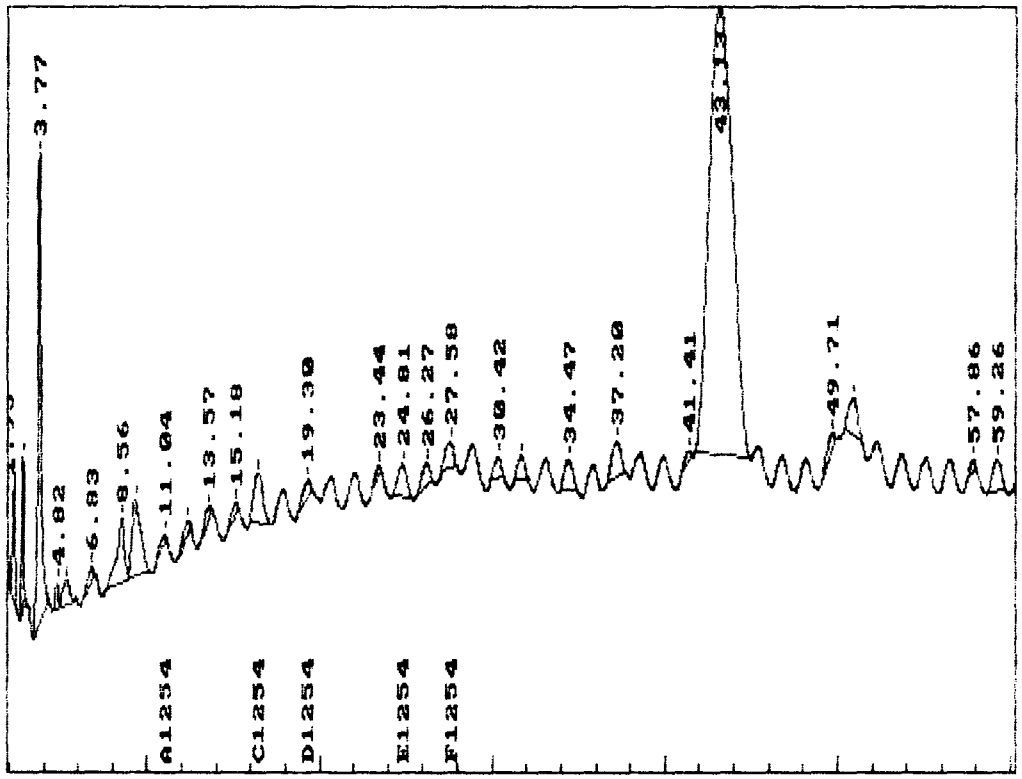
```
++++++   EXTERNAL STANDARD TABLE   ++++++
******************** 09-29-1988 07:41:09 Version 4.1 **********************
* Sample Name: 88FM30R02                          Data File: a:m\2cle53     *
* Date: 09-26-1988 02:15:29 Method: A:PCB54 09-24-1988 14:21:35  #  5      *
* Interface: 0   Cycle#:  53   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540            Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                               *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                   *
*             Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                       *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per   1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
11	11.04	A1254	0.0227	3.4334%	1466	78	18.8	1	11	0	1.5489E-05
12	12.40	B1254	0.0419	6.3341%	2875	98	29.3	1	12	0	1.4571E-05
15	16.45	C1254	0.3117	47.1340%	15442	437	35.3	1	15	0	2.0186E-05
16	19.30	D1254	0.0513	7.7600%	4198	154	27.3	1	16	0	1.2223E-05
18	24.81	E1254	0.1245	18.8210%	9614	281	34.2	1	18	0	1.2946E-05
20	27.58	F1254	0.1092	16.5175%	7455	242	30.9	1	20	0	1.4652E-05

TOTAL AMOUNT = 0.6613

DATASET SF5541

Plot of data file: a:m\2cle53.PTS
Date: 09-29-1988 Time: 07:42:22
Sample Name: 88FM30R02
Start Time= 1.82Stop Time = 60.27Min. Scale= 7779Max. Scale= 13510



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB42

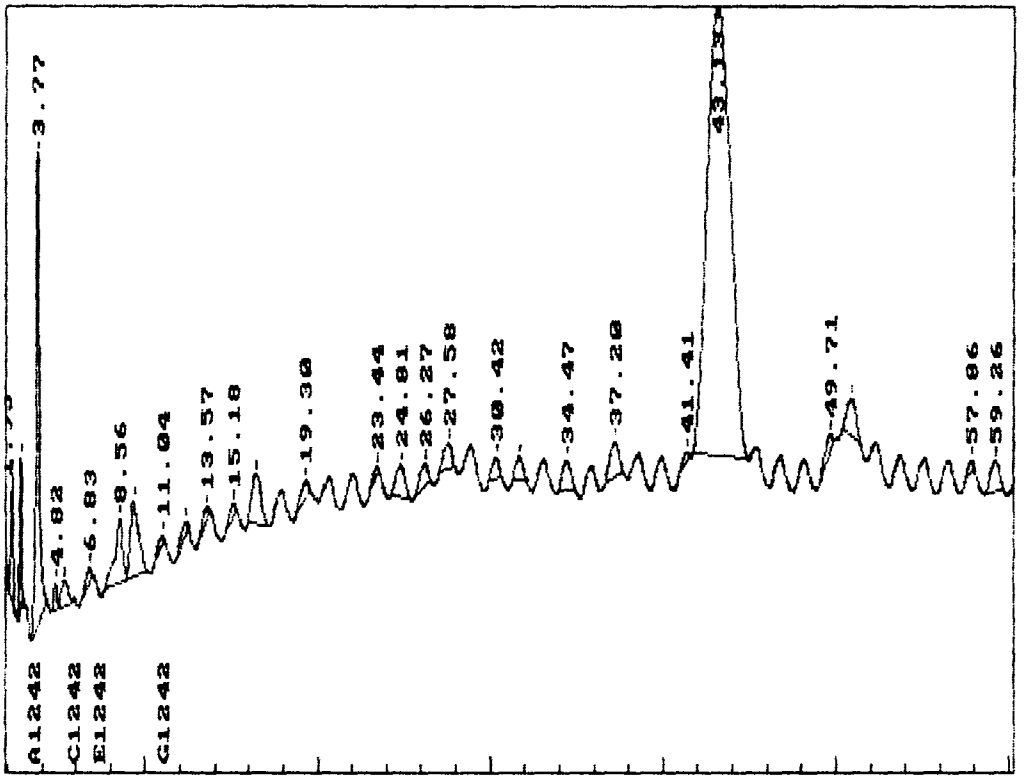
```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-28-1988 14:14:05 Version 4.1 ********************
* Sample Name: 88FM30R02                          Data File: a:m\2cle53    *
* Date: 09-26-1988 02:15:29 Method: A:PCB42 09-28-1988 13:11:09  #  14     *
* Interface: 0   Cycle#:  53   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540            Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
9	8.56	F1242	0.2282	-22.8382%	18211	579	31.5	2	9	0	1.2534E-05
11	11.04	G1242	-0.4163	41.6503%	1466	78	18.8	1	11	0	-2.8395E-04
12	12.40	H1242	-0.8114	81.1878%	2875	98	29.3	1	12	0	-2.8225E-04

TOTAL AMOUNT = -0.9994

DATASET SF5541

Plot of data file: a:m\2cle53.PTS
Date: 09-28-1988 Time: 14:14:35
Sample Name: 88FM3OR02
Start Time= 1.82Stop Time = 60.27Min. Scale= 7779Max. Scale= 13510



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB54

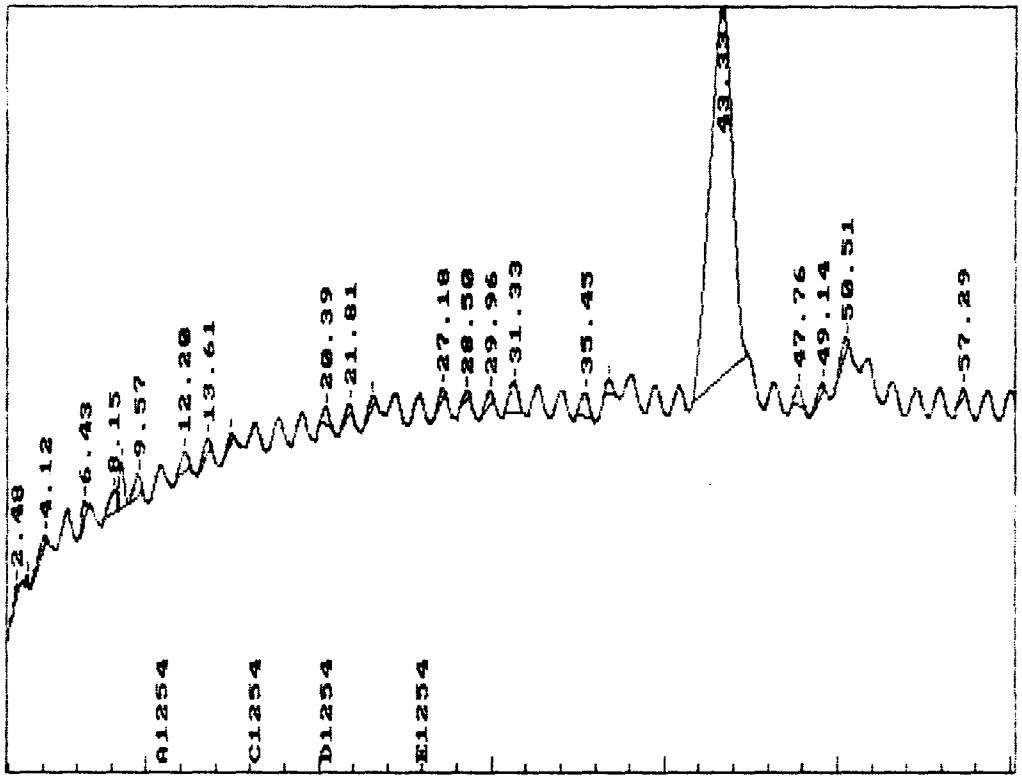
```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-29-1988 07:44:40 Version 4.1 **********************
* Sample Name: 88FM30S23                          Data File: a:m\2cle55    *
* Date: 09-26-1988 04:28:06 Method: A:PCB54 09-24-1988 14:21:35  #  5      *
* Interface: 0   Cycle#:  55   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
***************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
***************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per   1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Sample Weight:          0.760000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
8	12.20	B1254	0.0905	51.5966%	5965	206	28.9	1	8	0	1.5178E-05
11	20.39	D1254	0.0509	29.0211%	3999	170	23.5	1	11	0	1.2733E-05
14	27.18	F1254	0.0340	19.3823%	2228	94	23.8	1	14	0	1.5262E-05

TOTAL AMOUNT = 0.1755

DATASET SF5541

Plot of data file: a:m\2cle55.PTS
Date: 09-29-1988 Time: 07:45:29
Sample Name: 88FM30S23
Start Time= 1.82Stop Time = 60.27Min. Scale= 6938Max. Scale= 13242



DATASET SF5541

INTERNAL STANDARD TABLE

```
******************** 09-24-1988 11:16:43 Version 4.1 ********************
* Sample Name: 88FM30S23                          Data File: A:M\2CLE55    *
* Date: 09-26-1988 04:28:06 Method: A:1PESTA 09-23-1988 09:17:00  #  82   *
* Interface: 0   Cycle#:  55   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: .1  Area Threshold: 100            *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*            Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        5.00               Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          0.960000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
4	4.12	ALPHA BHC	0.0716	4.3250%	28343	515	55.0	2	4	33	0	2.5258E-06
6	6.43	HEPTACHLOR	0.0807	4.8762%	3623	209	17.4	1	4	33	.7009	2.2280E-05
10	10.85	HEPTACHLOR EPOXIDE	0.0663	4.0064%	11605	298	38.9	2	10	33	0	5.7143E-06
12	13.61	ENDOSULFAN I	0.1440	8.7002%	11988	321	37.3	2	12	33	0	1.2013E-05
14	16.35	DIELDRIN	0.3133	18.9269%	8101	245	33.0	1	14	33	0	3.8672E-05
17	20.39	ENDRIN	0.3191	19.2759%	12381	324	38.2	2	17	33	0	2.5771E-05
19	23.09	ENDOSULFAN II	0.0854	5.1594%	15168	329	46.1	2	19	33	0	5.6302E-06
22	27.18	DDT	0.2847	17.1990%	11495	319	36.1	2	22	33	0	2.4767E-05
33	43.33	ISTD	1.0000	0.0000%	424872	4115	103.2	2	33	33	0	2.3537E-06
37	50.51	DIBUTYLCHLOR	0.0070	0.4245%	52999	798	66.4	2	37	33	0	1.3258E-07
38	51.78	METHOXYCHLOR	0.2832	17.1065%	28042	593	47.3	2	38	33	0	1.0098E-05

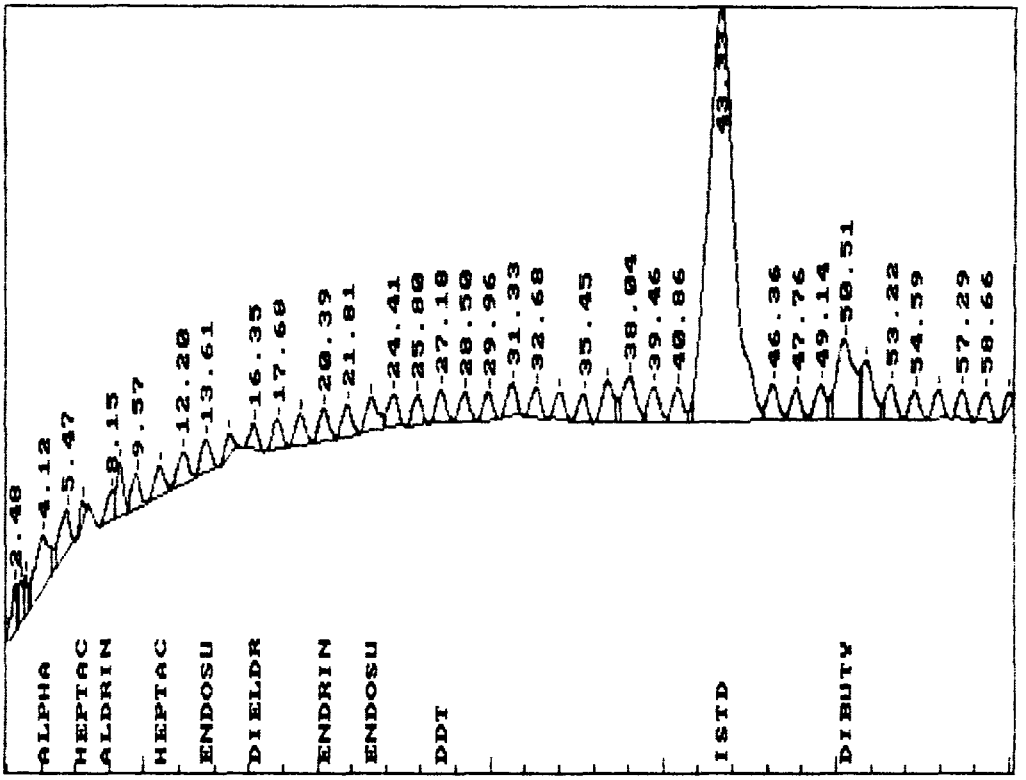
TOTAL AMOUNT = 1.6553

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
LINDANE	5.18	LINDANE
ALDRIN	7.69	ALDRIN

DATASET SF5541

Plot of data file: A:M\2CLE55.PTS
Date: 09-24-1988 Time: 11:17:24
Sample Name: 88FM30S23
Start Time= 1.82Stop Time = 60.27Min. Scale= 6938Max. Scale= 13242



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB42

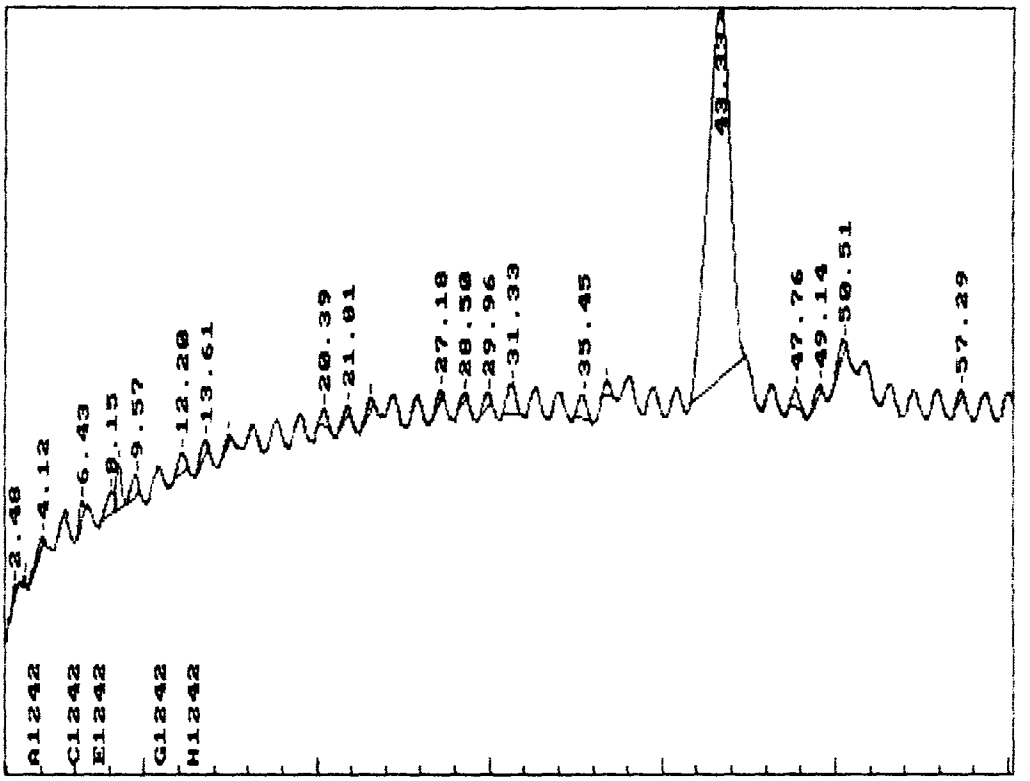
```
******   EXTERNAL STANDARD TABLE   ******
******************** 09-28-1988 14:17:11 Version 4.1 ********************
* Sample Name: 88FM30S23                          Data File: a:m\2cle55    *
* Date: 09-26-1988 04:28:06 Method: A:PCB42 09-28-1988 13:11:09  #  14     *
* Interface: 0   Cycle#:  55   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Sample Weight:          0.960000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
4	6.43	D1242	-0.0550	6.4949%	2758	181	15.2	1	4	0	-1.9955E-05
6	8.60	F1242	-0.1084	12.7987%	9461	457	20.7	2	6	0	-1.1462E-05
8	12.20	H1242	-0.6838	80.7064%	5965	206	28.9	1	6	-4.576	-1.1463E-04

TOTAL AMOUNT = -0.8472

DATASET SF5541

Plot of data file: a:m\2cle55.PTS
Date: 09-28-1988 Time: 14:17:50
Sample Name: 88FM30S23
Start Time= 1.82Stop Time = 60.27Min. Scale= 6938Max. Scale= 13242



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB54
NEW TIMED EVENTS FROM A:PCB54

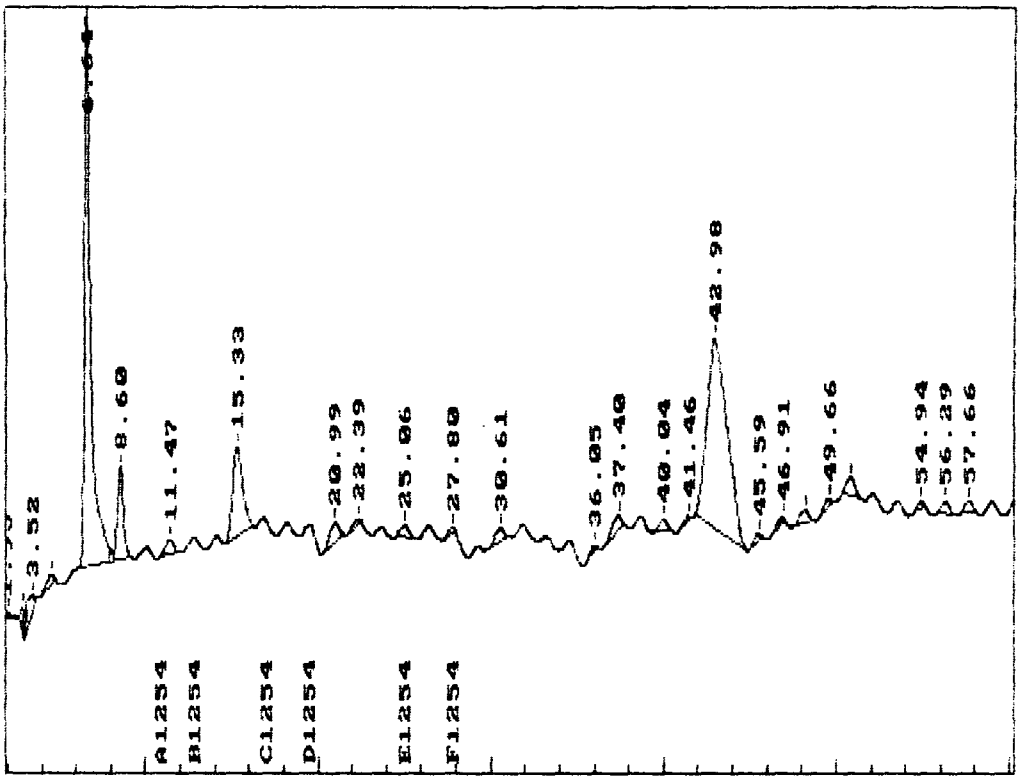
```
****** EXTERNAL STANDARD TABLE ******
******************** 09-29-1988 07:48:56 Version 4.1 ********************
* Sample Name: 88FM30S24                          Data File: a:m\2cle56    *
* Date: 09-26-1988 05:34:24 Method: A:PCB54 09-24-1988 14:21:35  #  5      *
* Interface: 0   Cycle#:  56   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:       10.00
Sample Weight:          0.950000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
12	25.06	E1254	0.1070	82.8030%	7852	250	31.4	1	12	0	1.3627E-05
13	27.80	F1254	0.0222	17.1970%	1441	87	16.6	1	13	0	1.5423E-05

TOTAL AMOUNT = 0.1292

DATASET SF5541

Plot of data file: a:m\2cle56.PTS
Date: 09-29-1988 Time: 07:49:27
Sample Name: 88FM30S24
Start Time= 1.82Stop Time = 60.27Min. Scale= 6850Max. Scale= 20700



INTERNAL STANDARD TABLE

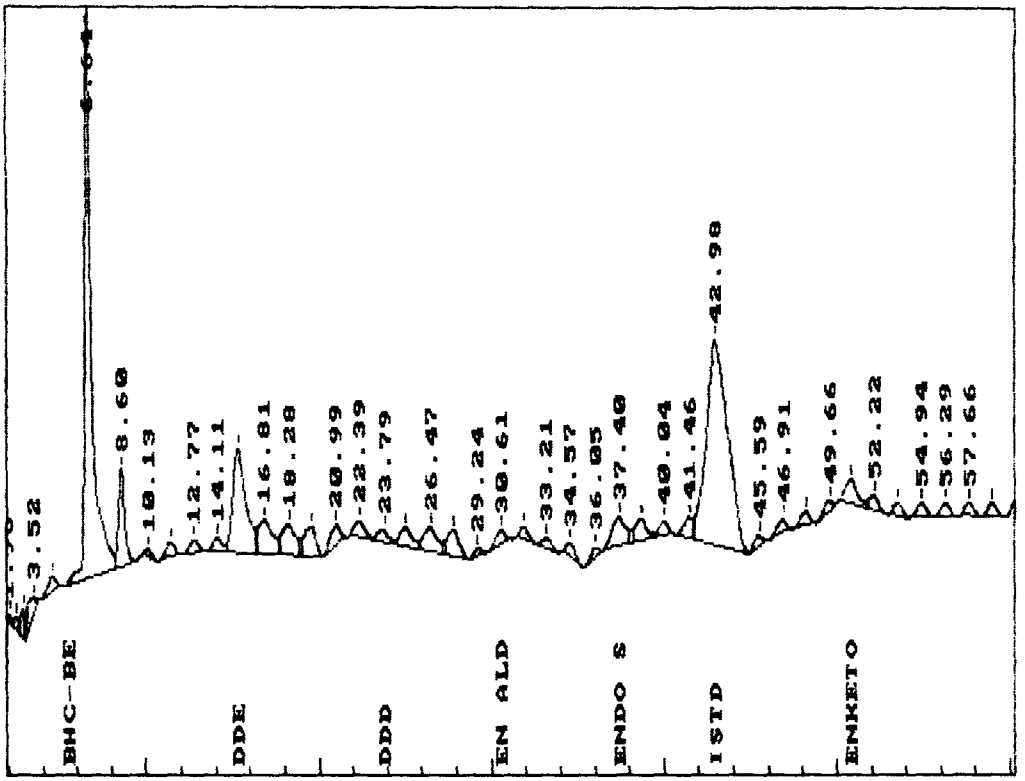
```
******************** 09-24-1988 11:26:45 Version 4.1 *********************
* Sample Name: 88FM30S24                          Data File: A:M\2CLE56    *
* Date: 09-26-1988 05:34:24 Method: A:1PESTB 09-23-1988 12:01:34  #  34   *
* Interface: 0   Cycle#:  56   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: .4  Area Threshold: 100           *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                             *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                 *
*             Detector 0: ECD                  Detector 1: ECD           *
* Misc. Information:                                                     *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        5.00               Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:          0.950000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
7	6.64	BHC-DELTA	0.3845	43.8313%	339322	12476	27.2	2	7	33	0	1.1331E-06
13	15.33	DDE	0.1550	17.6663%	117972	2279	51.8	2	13	33	0	1.3136E-06
19	23.79	DDD	0.2119	24.1522%	13088	283	46.3	2	19	33	0	1.6186E-05
24	30.61	EN ALDEHYDE	-0.0445	-5.0701%	10638	281	37.8	1	24	33	0	-4.1804E-06
29	37.40	ENDO SULFATE	0.0589	6.7144%	30095	615	49.0	2	29	33	0	1.9570E-06
33	42.98	ISTD	1.0000	0.0000%	384946	4454	86.4	2	33	33	0	2.5978E-06
38	50.85	ENKETONE	0.1114	12.7058%	24819	529	46.9	2	38	33	0	4.4905E-06

TOTAL AMOUNT = 0.8772

DATASET SF5541

Plot of data file: A:M\2CLE56.PTS
Date: 09-24-1988 Time: 11:27:18
Sample Name: 88FM30S24
Start Time= 1.82Stop Time = 60.27Min. Scale= 6850Max. Scale= 20700



DATASET SF5541

```
*****   INTERNAL STANDARD TABLE   *****
******************** 09-24-1988 11:22:57 Version 4.1 **********************
* Sample Name: 88FM30S24                          Data File: A:M\2CLE56    *
* Date: 09-26-1988 05:34:24 Method: A:1PESTA 09-23-1988 09:17:00  #  82    *
* Interface: 0   Cycle#:  56   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: .4  Area Threshold: 100            *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*            Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        5.00               Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          0.950000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
5	3.52	ALPHA BHC	0.0603	2.9985%	12733	283	45.0	1	5	33	0	4.7324E-06
6	4.57	LINDANE	0.1185	5.8944%	10978	329	33.4	1	6	33	0	1.0790E-05
7	6.64	ALDRIN	0.3583	17.8321%	339322	12476	27.2	2	7	33	0	1.0561E-06
9	10.13	HEPTACHLOR EPOXIDE	0.0613	3.0480%	4235	172	24.6	1	9	33	0	1.4463E-05
12	14.11	ENDOSULFAN I	0.1467	7.3019%	12109	316	38.3	2	12	33	0	1.2118E-05
14	16.81	DIELDRIN	0.3350	16.6714%	41748	736	56.7	2	14	33	0	8.0249E-06
16	19.57	ENDRIN	0.3458	17.2077%	29408	651	45.2	2	16	33	0	1.1759E-05
20	25.06	ENDOSULFAN II	0.0957	4.7636%	20456	430	47.5	2	20	33	0	4.6798E-06
22	27.80	DDT	0.3235	16.0973%	27353	588	46.6	2	22	33	0	1.1826E-05
33	42.98	ISTD	1.0000	0.0000%	384946	4454	86.4	2	33	33	0	2.5978E-06
38	50.85	DIBUTYLCHLOR	-0.0335	-1.6689%	24819	529	46.9	2	38	33	0	-1.3513E-06
39	52.22	METHOXYCHLOR	0.1980	9.8539%	12131	348	34.9	2	39	33	0	1.6323E-05

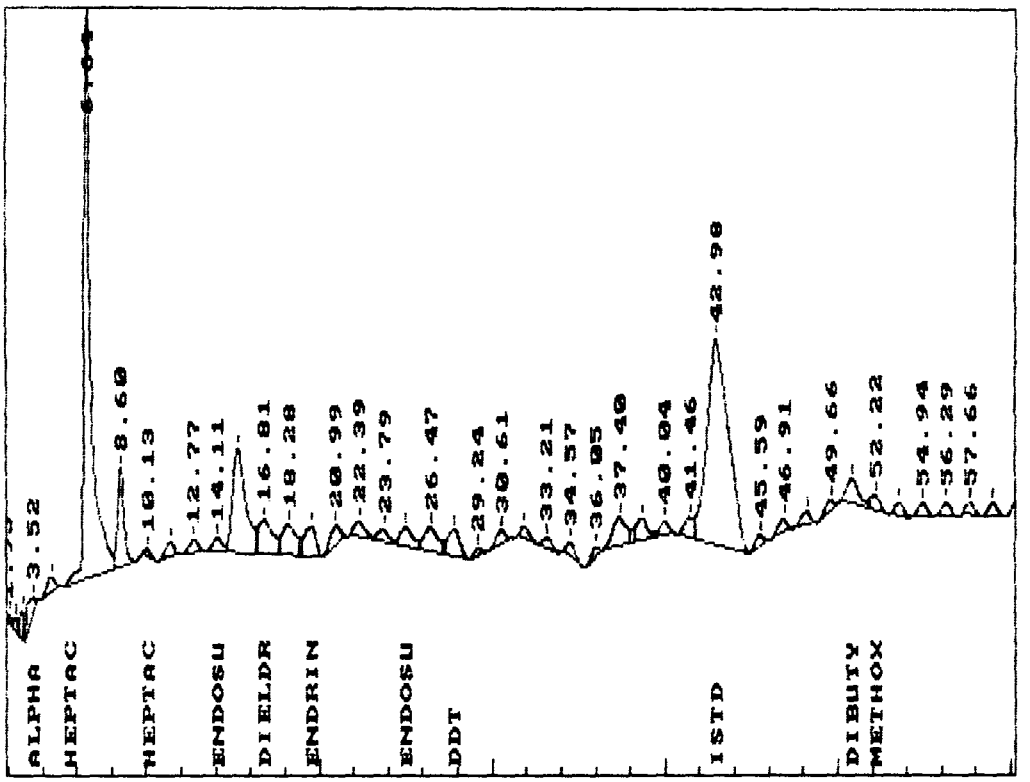
TOTAL AMOUNT = 2.0096

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
HEPTACHLOR	5.63	HEPTACHLOR

DATASET SF5541

Plot of data file: A:M\2CLE56.PTS
Date: 09-24-1988 Time: 11:23:34
Sample Name: 88FM30S24
Start Time= 1.82Stop Time = 60.27Min. Scale= 6850Max. Scale= 20700



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB42

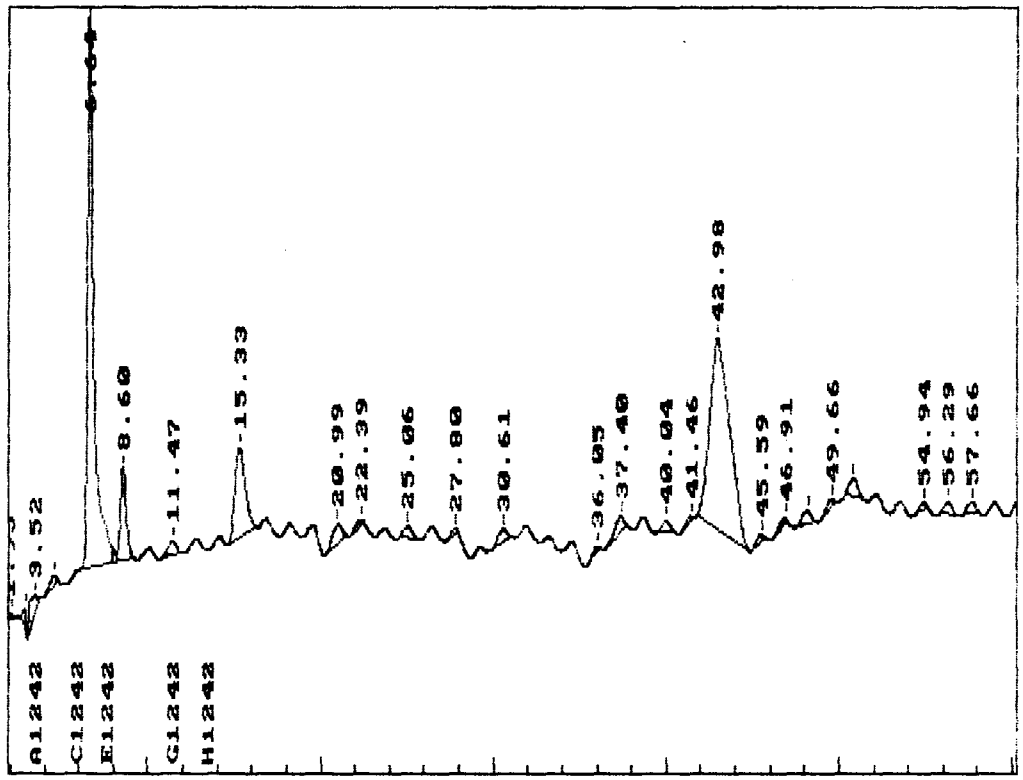
```
******   EXTERNAL STANDARD TABLE   ******
******************** 09-28-1988 14:21:17 Version 4.1 ********************
* Sample Name: 88FM30S24                          Data File: a:m\2cle56    *
* Date: 09-26-1988 05:34:24 Method: A:PCB42 09-28-1988 13:11:09  #  14     *
* Interface: 0   Cycle#:  56   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Sample Weight:          0.950000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
4	3.52	A1242	0.9725	7.1493%	11306	221	51.1	1	4	0	8.6022E-05
5	4.57	B1242	0.3601	2.6474%	4342	159	27.3	1	5	0	8.2946E-05
6	6.64	D1242	11.0630	81.3264%	306884	12263	25.0	2	6	0	3.6049E-05
7	8.60	F1242	1.4292	10.5065%	47950	2023	23.7	2	7	0	2.9806E-05
8	11.47	G1242	-0.2217	-1.6295%	9588	307	31.2	1	8	0	-2.3119E-05

TOTAL AMOUNT = 13.6032

DATASET SF5541

Plot of data file: a:m\2cle56.PTS
Date: 09-28-1988 Time: 14:21:54
Sample Name: 88FM30S24
Start Time= 1.82Stop Time = 60.27Min. Scale= 6850Max. Scale= 20700



DATASET SF5541

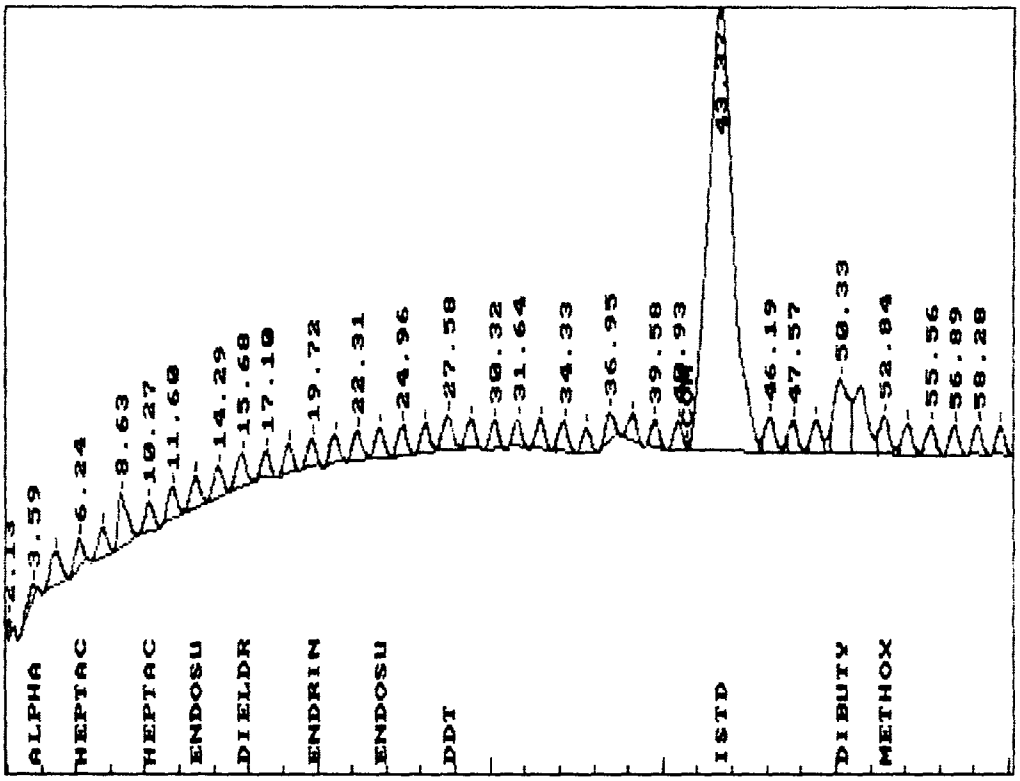
```
*****   INTERNAL STANDARD TABLE   *****
******************** 09-24-1988 11:33:14 Version 4.1 **********************
* Sample Name: 88FM30S25                          Data File: A:M\2CLE57    *
* Date: 09-26-1988 06:40:44 Method: A:1PESTA 09-23-1988 09:17:00  #  82   *
* Interface: 0   Cycle#:  57   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10.5   Threshold: .5  Area Threshold: 100          *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*            Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        5.00               Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:          0.800000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
2	3.59	ALPHA BHC	0.0608	2.8860%	3812	116	32.9	1	2	31	0	1.5957E-05
3	4.87	LINDANE	0.1411	6.6933%	14224	346	41.2	1	3	31	0	9.9169E-06
4	6.24	HEPTACHLOR	0.1012	4.8042%	8798	289	30.4	1	4	31	0	1.1509E-05
5	7.58	ALDRIN	0.1334	6.3302%	10473	301	34.8	1	5	31	0	1.2738E-05
7	10.27	HEPTACHLOR EPOXIDE	0.0767	3.6389%	9821	306	32.1	1	7	31	0	7.8091E-06
9	12.94	ENDOSULFAN I	0.1715	8.1374%	12137	333	36.4	2	9	31	0	1.4131E-05
11	15.68	DIELDRIN	0.3780	17.9349%	13158	340	38.7	2	11	31	0	2.8727E-05
14	19.72	ENDRIN	0.3769	17.8823%	9093	282	32.2	1	14	31	0	4.1448E-05
17	23.63	ENDOSULFAN II	0.0949	4.5008%	11454	324	35.3	2	17	31	0	8.2815E-06
20	27.58	DDT	0.3450	16.3716%	14702	375	39.2	2	20	31	0	2.3469E-05
31	43.37	ISTD	1.0000	0.0000%	480770	4802	100.1	2	31	31	0	2.0800E-06
35	50.33	DIBUTYLCHLOR	-0.0177	-0.8410%	44267	800	55.3	2	35	31	0	-4.0040E-07
36	52.84	METHOXYCHLOR	0.2458	11.6614%	16833	414	40.7	2	36	31	0	1.4600E-05

TOTAL AMOUNT = 2.1075

DATASET SF5541

Plot of data file: A:M\2CLE57.PTS
Date: 09-24-1988 Time: 11:34:05
Sample Name: 88FM30S25
Start Time= 1.82Stop Time = 60.27Min. Scale= 7663Max. Scale= 14497



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB42
NEW TIMED EVENTS FROM A:PCB42

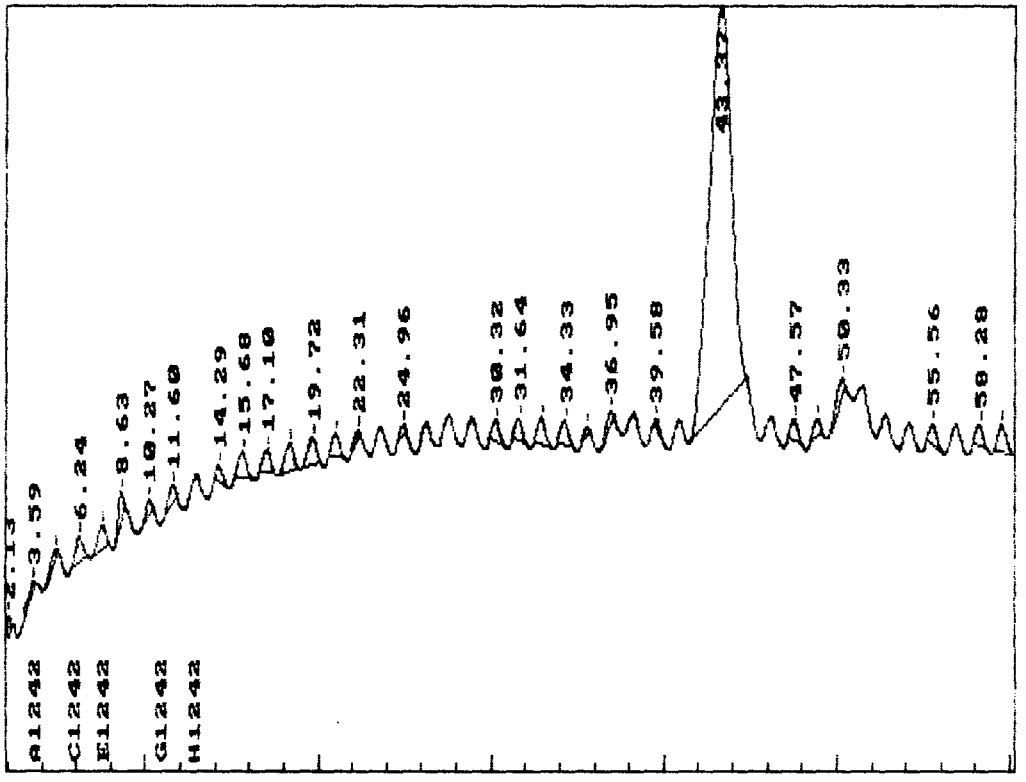
```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-28-1988 14:26:04 Version 4.1 **********************
* Sample Name: 88FM30S25                          Data File: a:m\2cle57    *
* Date: 09-26-1988 06:40:44 Method: A:PCB42 09-28-1988 13:11:09  #  14     *
* Interface: 0   Cycle#:  57   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540            Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                               *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                   *
*             Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                       *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Sample Weight:          0.800000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	3.59	A1242	0.6086	225.3894%	2308	68	33.8	1	2	0	2.6369E-04
4	6.24	D1242	0.1383	51.2134%	7464	267	27.9	1	4	0	1.8528E-05
5	7.58	E1242	-0.1724	-63.8399%	7542	249	30.2	1	5	0	-2.2857E-05
6	8.63	F1242	-0.3045	-112.7629%	5788	335	17.3	1	6	0	-5.2612E-05

TOTAL AMOUNT = 0.2700

DATASET SF5541

Plot of data file: a:m\2cle57.PTS
Date: 09-28-1988 Time: 14:26:33
Sample Name: 88FM30S25
Start Time= 1.82Stop Time = 60.27Min. Scale= 7663Max. Scale= 14497



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB54

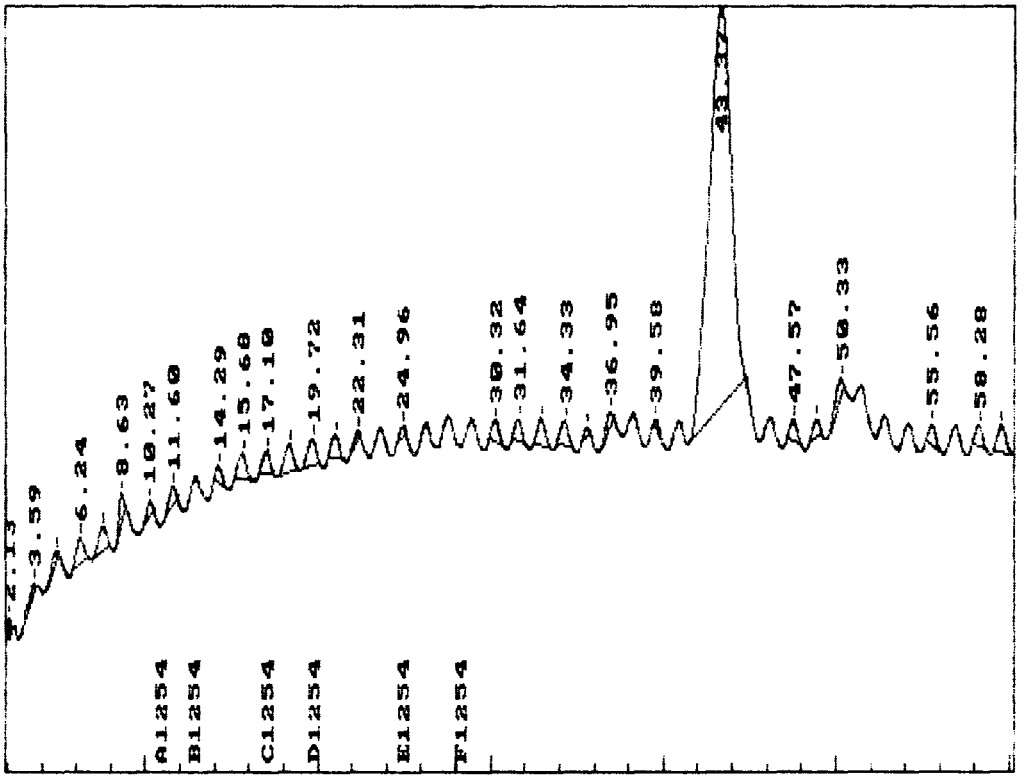
```
****** EXTERNAL STANDARD TABLE ******
******************** 09-29-1988 07:51:49 Version 4.1 **********************
* Sample Name: 88FM30S25                    Data File: a:m\2cle57      *
* Date: 09-26-1988 06:40:44 Method: A:PCB54 09-24-1988 14:21:35  #  5   *
* Interface: 0   Cycle#:  57   Operator LIN Channel#: 1    Vial#: N.A.  *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100          *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                            *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                *
*            Detector 0: ECD                  Detector 1: ECD           *
* Misc. Information:                                                    *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:       10.00
Sample Weight:          0.800000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
11	17.10	C1254	0.1774	52.4697%	7031	238	29.5 1	11	0	2.5232E-05
13	19.72	D1254	0.1309	38.7206%	8569	272	31.5 1	13	0	1.5279E-05
16	24.96	E1254	0.0298	8.8097%	1841	91	20.2 1	16	0	1.6183E-05

TOTAL AMOUNT = 0.3381

DATASET SF5541

Plot of data file: a:m\2cle57.PTS
Date: 09-29-1988 Time: 07:52:19
Sample Name: 88FM30S25
Start Time= 1.82Stop Time = 60.27Min. Scale= 7663Max. Scale= 14497



***** INTERNAL STANDARD TABLE *****

********** 09-24-1988 11:40:17 Version 4.1 **********

* Sample Name: 88FM30S26 Data File: A:M\2CLE58 *
* Date: 09-26-1988 07:47:03 Method: A:1PESTA 09-23-1988 09:17:00 # 82 *
* Interface: 0 Cycle#: 58 Operator LIN Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10.1 Threshold: .1 Area Threshold: 100 *

* Instrument Type: TRACOR 540 Column Type: 0-SP2100; 1-Mixed Ph *
* Solvent Description: NITROGEN *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250 *
* Detector 0: ECD Detector 1: ECD *
* Misc. Information: *

Starting Delay: 1.80 Ending retention time: 60.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 5.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 0.930000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
5	4.12	ALPHA BHC	0.0827	4.4681%	46705	706	66.1	2	5	34	0	1.7699E-06
6	5.31	LINDANE	0.1345	7.2718%	36391	693	52.5	2	5	34	2.461	3.6970E-06
7	6.76	ALDRIN	0.1280	6.9202%	34641	583	59.5	2	7	34	0	3.6960E-06
11	10.77	HEPTACHLOR EPOXIDE	0.0660	3.5652%	10519	288	36.6	2	11	34	0	6.2708E-06
13	13.32	ENDOSULFAN I	0.1469	7.9392%	12152	335	36.3	2	13	34	0	1.2087E-05
16	17.28	DIELDRIN	0.3280	17.7282%	21088	458	46.0	2	16	34	0	1.5554E-05
18	19.97	ENDRIN	0.3283	17.7460%	13968	373	37.5	2	18	34	0	2.3505E-05
21	24.01	ENDOSULFAN II	0.0824	4.4540%	13038	338	38.6	2	21	34	0	6.3205E-06
24	28.05	DDT	0.3150	17.0248%	27044	532	50.8	2	24	34	0	1.1647E-05
34	43.32	ISTD	1.0000	0.0000%	515569	4865	106.0	3	34	34	0	1.9396E-06
41	50.95	DIBUTYLCHLOR	0.0021	0.1133%	60453	933	64.8	2	41	34	0	3.4670E-08
42	52.27	METHOXYCHLOR	0.2362	12.7693%	22958	512	44.8	2	42	34	0	1.0291E-05

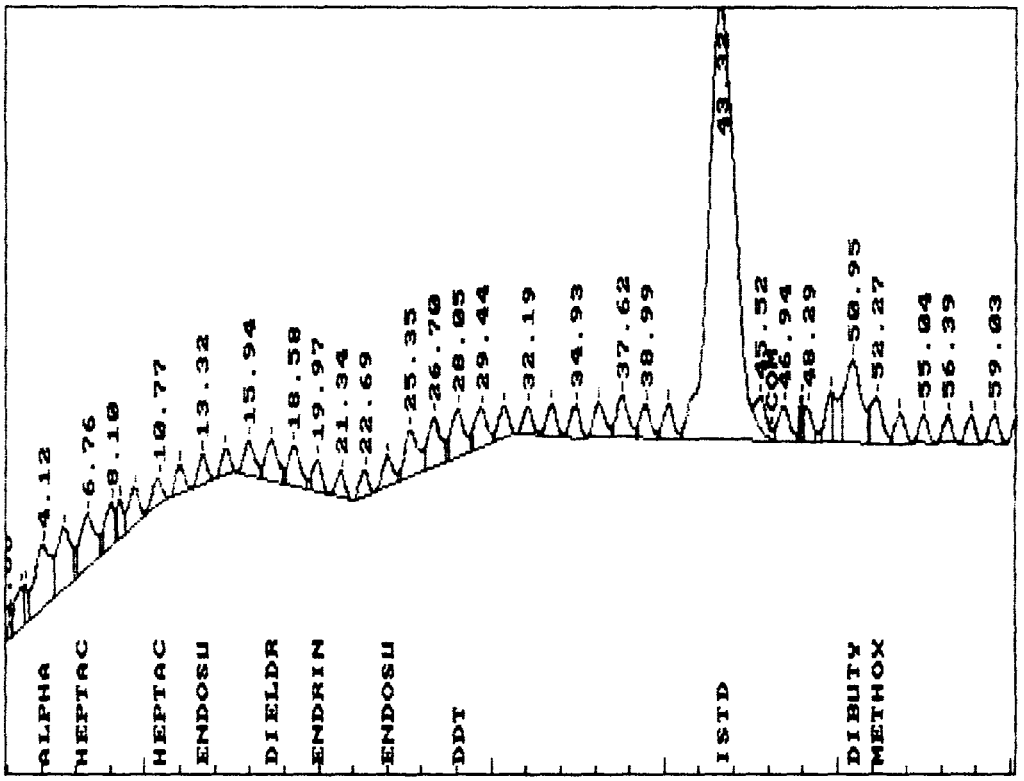
TOTAL AMOUNT = 1.8501

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
HEPTACHLOR	6.38	HEPTACHLOR

DATASET SF5541

Plot of data file: A:M\2CLE58.PTS
Date: 09-24-1988 Time: 11:40:52
Sample Name: 88FM30S26
Start Time= 1.82Stop Time = 60.27Min. Scale= 7385Max. Scale= 14517



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB42

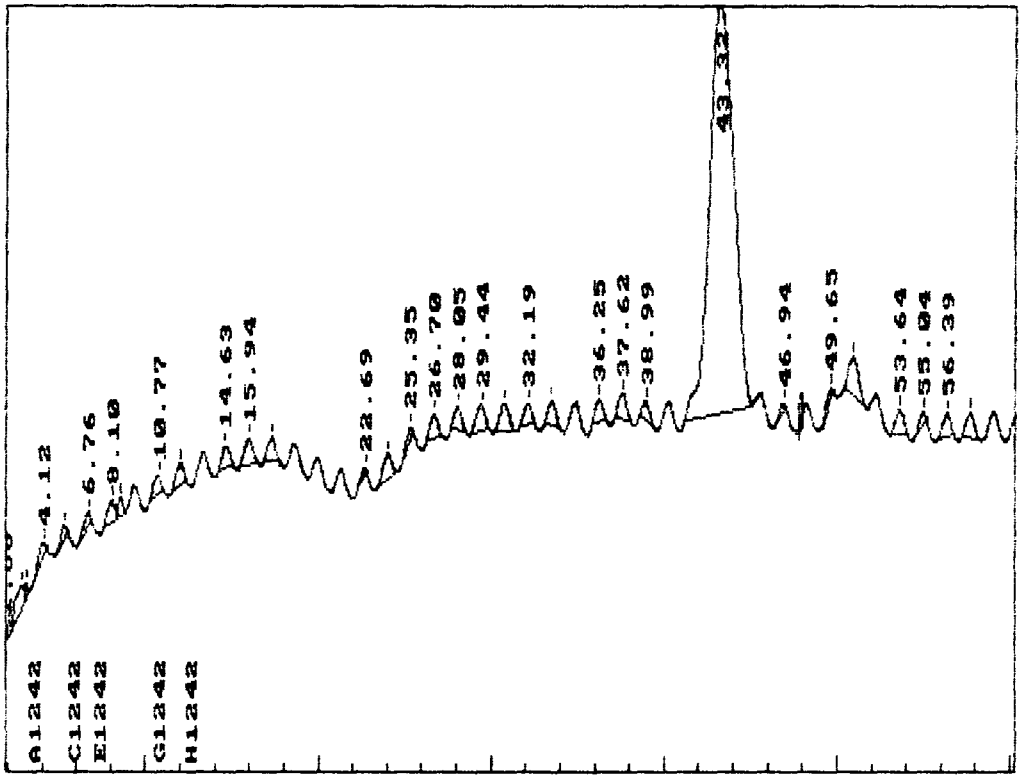
```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-28-1988 14:28:54 Version 4.1 **********************
* Sample Name: 88FM30S26                          Data File: a:m\2cle58    *
* Date: 09-26-1988 07:47:03 Method: A:PCB42 09-28-1988 13:11:09  #  14     *
* Interface: 0   Cycle#:  58   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*            Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per   1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Sample Weight:          0.930000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
9	8.58	F1242	-0.3499	50.5940%	3634	203	17.9	2	9	0	-9.6288E-05
10	10.77	G1242	-0.3417	49.4060%	5356	194	27.6	1	10	0	-6.3796E-05

TOTAL AMOUNT = -0.6916

DATASET SF5541

Plot of data file: a:m\2cle58.PTS
Date: 09-28-1988 Time: 14:29:27
Sample Name: 88FM30S26
Start Time= 1.82Stop Time = 60.27Min. Scale= 7385Max. Scale= 14517



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB54

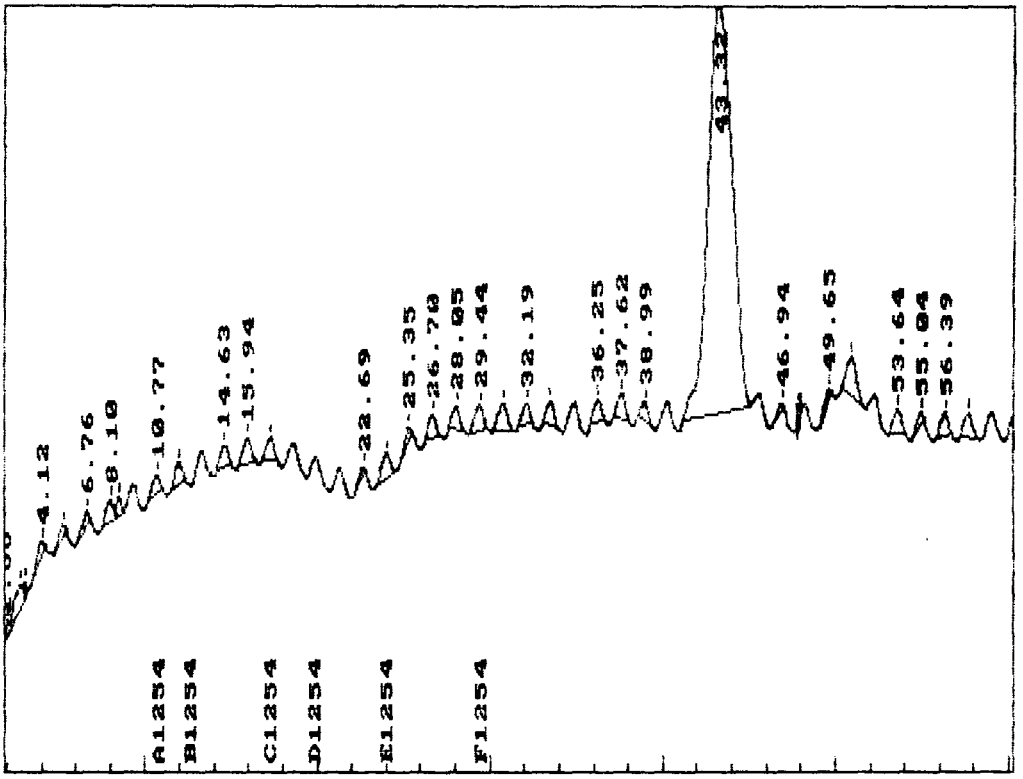
```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-29-1988 07:54:41 Version 4.1 **********************
* Sample Name: 88FM30S26                          Data File: a:m\2cle58    *
* Date: 09-26-1988 07:47:03 Method: A:PCB54 09-24-1988 14:21:35  #  5      *
* Interface: 0   Cycle#:  58   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*            Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Sample Weight:          0.930000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
10	10.77	A1254	0.0892	17.5470%	5356	194	27.6	1	10	0	1.6655E-05
14	17.28	C1254	0.1469	28.8918%	6767	248	27.3	1	14	0	2.1705E-05
16	24.01	E1254	0.1311	25.7929%	9419	285	33.1	1	16	0	1.3921E-05
20	29.44	F1254	0.1412	27.7683%	8960	272	32.9	1	20	0	1.5754E-05

TOTAL AMOUNT = 0.5083

DATASET SF5541

Plot of data file: a:m\2cle58.PTS
Date: 09-29-1988 Time: 07:55:13
Sample Name: 88FM30826
Start Time= 1.82Stop Time = 60.27Min. Scale= 7385Max. Scale= 14517



DATASET SF5541

```
******   INTERNAL STANDARD TABLE   ******
******************** 09-24-1988 11:54:13 Version 4.1 **********************
* Sample Name: 88FM30S27                          Data File: A:M\2CLE59    *
* Date: 09-26-1988 08:54:06 Method: A:1PESTA 09-23-1988 09:17:00  #  82    *
* Interface: 0   Cycle#:  59   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: .1  Area Threshold: 100            *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        5.00                 Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
3	3.67	ALPHA BHC	0.0668	3.3424%	28753	532	54.0	2	3	31	0	2.3229E-06
4	4.97	LINDANE	0.1257	6.2926%	34226	612	55.9	2	4	31	0	3.6739E-06
5	6.31	HEPTACHLOR	0.0912	4.5626%	21947	489	44.9	2	5	31	0	4.1543E-06
6	7.66	ALDRIN	0.1094	5.4756%	14924	352	42.3	2	6	31	0	7.3319E-06
8	10.42	HEPTACHLOR EPOXIDE	0.0619	3.1000%	10454	307	34.1	2	8	31	0	5.9254E-06
10	13.11	ENDOSULFAN I	0.1408	7.0438%	16614	396	42.0	2	10	31	0	8.4719E-06
12	15.81	DIELDRIN	0.3026	15.1455%	13524	343	39.4	2	12	31	0	2.2378E-05
15	19.85	ENDRIN	0.3090	15.4653%	16467	392	42.0	2	15	31	0	1.8767E-05
18	23.96	ENDOSULFAN II	0.0912	4.5628%	25247	495	51.0	2	18	31	0	3.6115E-06
21	28.10	DDT	0.3094	15.4851%	34764	615	56.6	2	21	31	0	8.9008E-06
31	43.30	ISTD	1.0000	0.0000%	471041	4464	105.5	3	31	31	0	2.1230E-06
36	51.50	METHOXYCHLOR	0.3901	19.5243%	54048	887	60.9	2	36	31	0	7.2185E-06

TOTAL AMOUNT = 1.9983

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
DIBUTYLCHLOR	51.50	DIBUTYLCHLOR

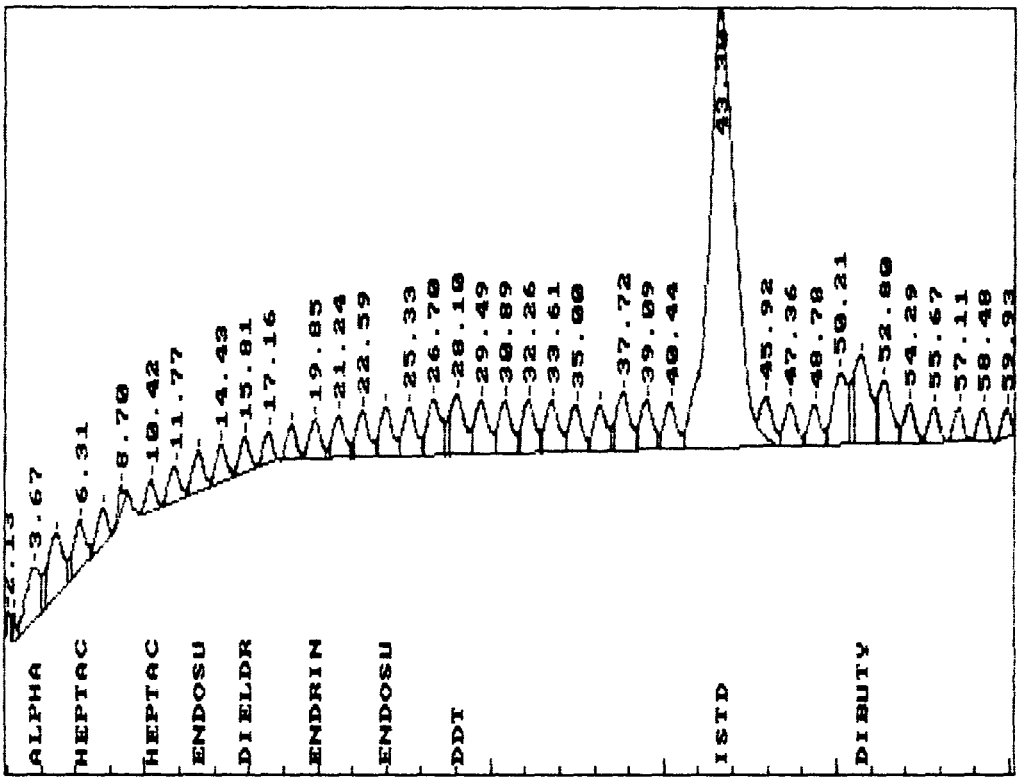
Plot of data file: A:M\2CLE59.PTS

DATASET SF5541

Date: 09-24-1988 Time: 11:54:49

Sample Name: 88FM30S27

Start Time= 1.82Stop Time = 60.27Min. Scale= 7619Max. Scale= 14029



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB42

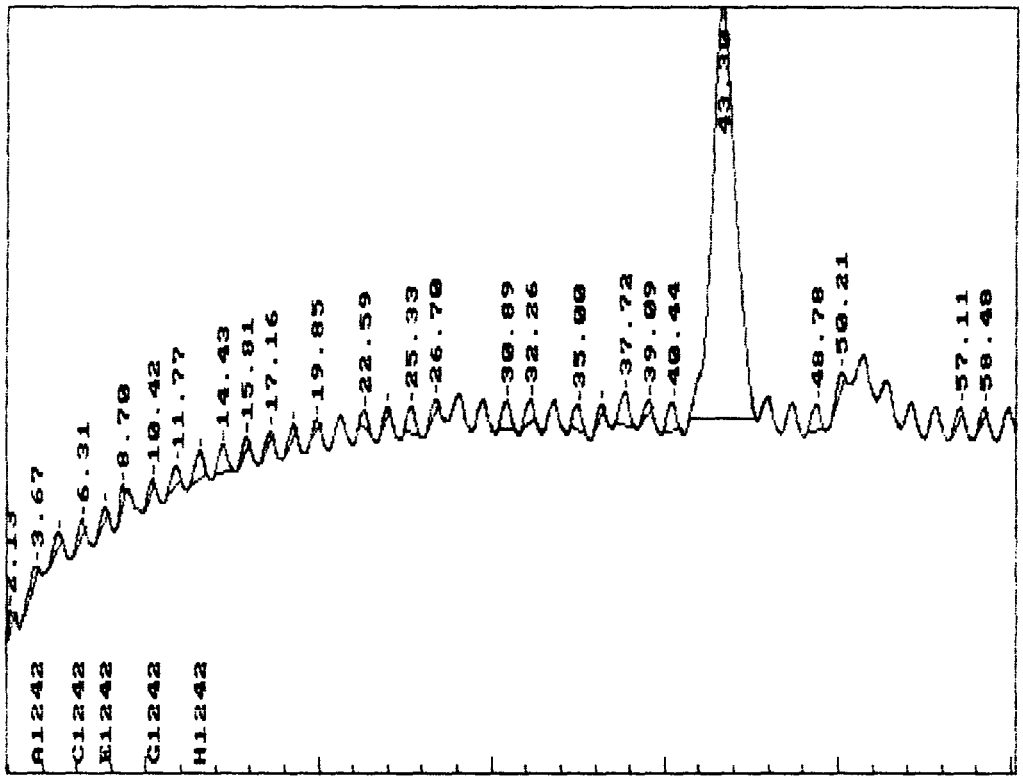
```
******   EXTERNAL STANDARD TABLE   ******
******************** 09-28-1988 14:42:14 Version 4.1 **********************
* Sample Name: 88FM30527                          Data File: a:m\2cle59    *
* Date: 09-26-1988 08:54:06 Method: A:PCB42 09-28-1988 13:11:09  #  14     *
* Interface: 0   Cycle#:  59   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540            Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per   1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	3.67	A1242	0.6088	-66.4567%	4818	104	46.5	1	2	0	1.2637E-04
4	6.31	D1242	-0.0143	1.5649%	3866	153	25.3	1	4	0	-3.7082E-06
5	7.66	E1242	-0.2455	26.8023%	2920	107	27.3	1	5	0	-8.4075E-05
6	8.70	F1242	-0.3529	38.5230%	2910	153	19.0	1	6	0	-1.2128E-04
7	10.42	G1242	-0.3776	41.2155%	2994	108	27.8	1	7	0	-1.2611E-04
9	13.11	H1242	-0.5345	58.3510%	8395	272	30.9	1	9	0	-6.3675E-05

TOTAL AMOUNT = -0.9161

DATASET SF5541

Plot of data file: a:m\2cle59.PTS
Date: 09-28-1988 Time: 14:42:57
Sample Name: 88FM30527
Start Time= 1.82Stop Time = 60.27Min. Scale= 7619Max. Scale= 14029



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB54

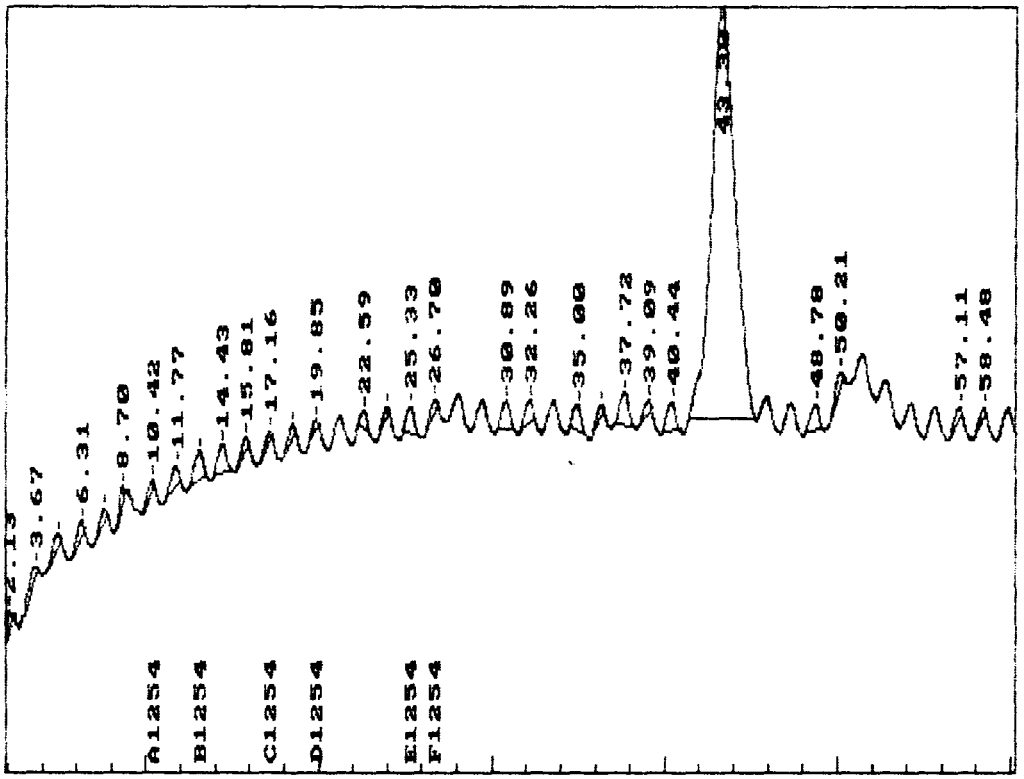
```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-29-1988 07:57:32 Version 4.1 **********************
* Sample Name: 88FM30527                          Data File: a:m\2cle59    *
* Date: 09-26-1988 08:54:06 Method: A:PCB54 09-24-1988 14:21:35  #  5      *
* Interface: 0   Cycle#:  59   Operator LIN Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per   1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
7	10.42	A1254	0.0464	11.1584%	2994	108	27.8	1	7	0	1.5489E-05
9	13.11	B1254	0.1223	29.4330%	8395	272	30.9	1	9	0	1.4571E-05
12	17.16	C1254	0.0581	13.9750%	2877	99	29.0	1	12	0	2.0186E-05
14	19.85	D1254	0.0235	5.6613%	1925	93	20.7	1	14	0	1.2223E-05
17	25.33	E1254	0.1136	27.3239%	8772	274	32.1	1	17	0	1.2946E-05
18	26.70	F1254	0.0517	12.4485%	3531	145	24.4	1	18	0	1.4652E-05

TOTAL AMOUNT = 0.4156

DATASET SF5541

Plot of data file: a:m\2cle59.PTS
Date: 09-29-1988 Time: 07:59:31
Sample Name: 88FM30827
Start Time= 1.82Stop Time = 60.27Min. Scale= 7619Max. Scale= 14029



DATASET SF5541

INTERNAL STANDARD TABLE

```
******************** 09-24-1988 12:15:42 Version 4.1 **********************
* Sample Name: 88FM30S28                          Data File: A:M\2CLE60     *
* Date: 09-26-1988 16:20:11 Method: A:1PESTA 09-23-1988 09:17:00  #  82    *
* Interface: 0   Cycle#:  60   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10.1   Threshold: .2  Area Threshold: 100           *
*************************************************************************
* Instrument Type: TRACOR 540            Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                               *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                   *
*            Detector 0: ECD                    Detector 1: ECD            *
* Misc. Information:                                                       *
*************************************************************************
Starting Delay:    1.80                    Ending retention time:    60.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        5.00               Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:          0.900000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
5	4.62	LINDANE	0.1333	6.7364%	21960	508	43.2	2	5	32	0	6.0712E-06
6	6.08	HEPTACHLOR	0.1043	5.2704%	22235	446	49.8	2	6	32	0	4.6912E-06
7	7.41	ALDRIN	0.1284	6.4852%	22236	478	46.5	2	7	32	0	5.7724E-06
9	10.18	HEPTACHLOR EPOXIDE	0.0827	4.1775%	24378	498	49.0	2	9	32	0	3.3915E-06
11	12.96	ENDOSULFAN I	0.1704	8.6079%	29058	516	56.3	2	11	32	0	5.8628E-06
13	15.69	DIELDRIN	0.3438	17.3733%	26076	531	49.1	2	13	32	0	1.3186E-05
16	19.99	ENDRIN	0.3397	17.1640%	11472	315	36.4	1	16	32	0	2.9611E-05
19	24.21	ENDOSULFAN II	0.0875	4.4205%	12072	342	35.3	1	19	32	0	7.2471E-06
21	27.00	DDT	0.3217	16.2530%	19729	421	46.8	2	21	32	0	1.6305E-05
32	43.37	ISTD	1.0000	0.0000%	410876	3932	104.5	3	32	32	0	2.4338E-06
37	51.17	DIBUTYLCHLOR	-0.0020	-0.1015%	45767	823	55.6	2	37	32	0	-4.3883E-08
38	52.63	METHOXYCHLOR	0.2694	13.6133%	22150	436	50.8	2	38	32	0	1.2164E-05

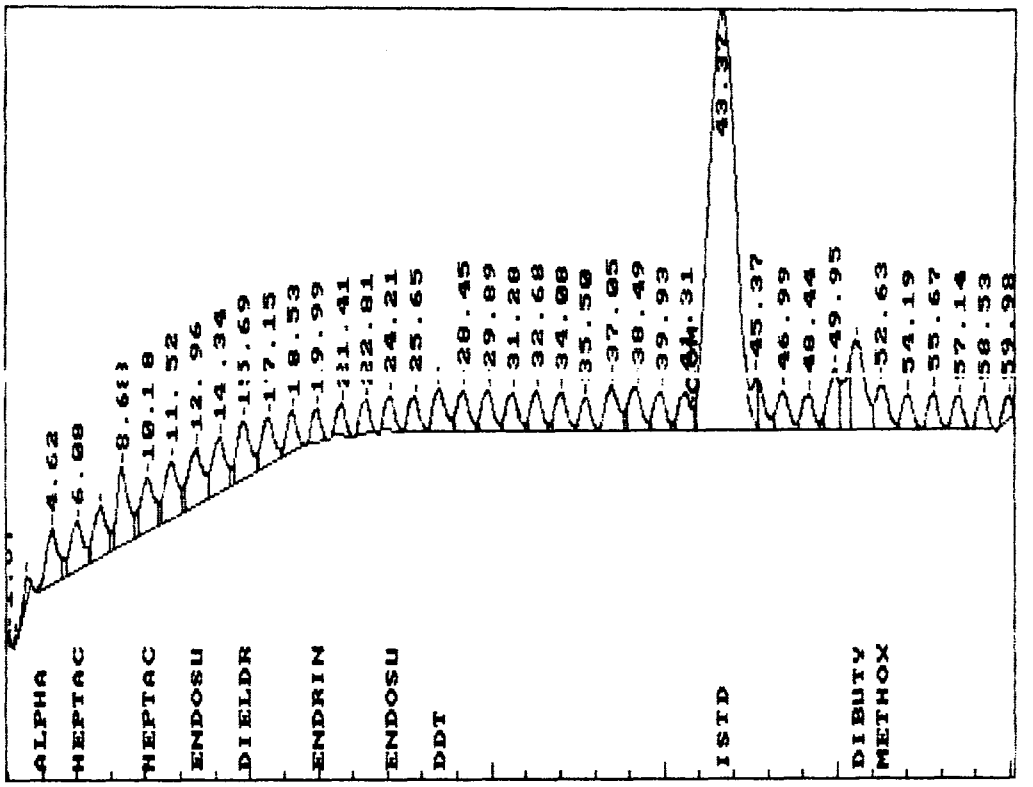
TOTAL AMOUNT = 1.9791

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
ALPHA BHC	3.84	ALPHA BHC

Plot of data file: A:M\2CLE60.PTS
Date: 09-24-1988 Time: 12:16:42
Sample Name: 88FM30S28
Start Time= 1.82Stop Time = 60.27Min. Scale= 7507Max. Scale= 13462

DATASET SF5541



DATASET SF5541

NEW TIMED EVENTS FROM A:PCB42

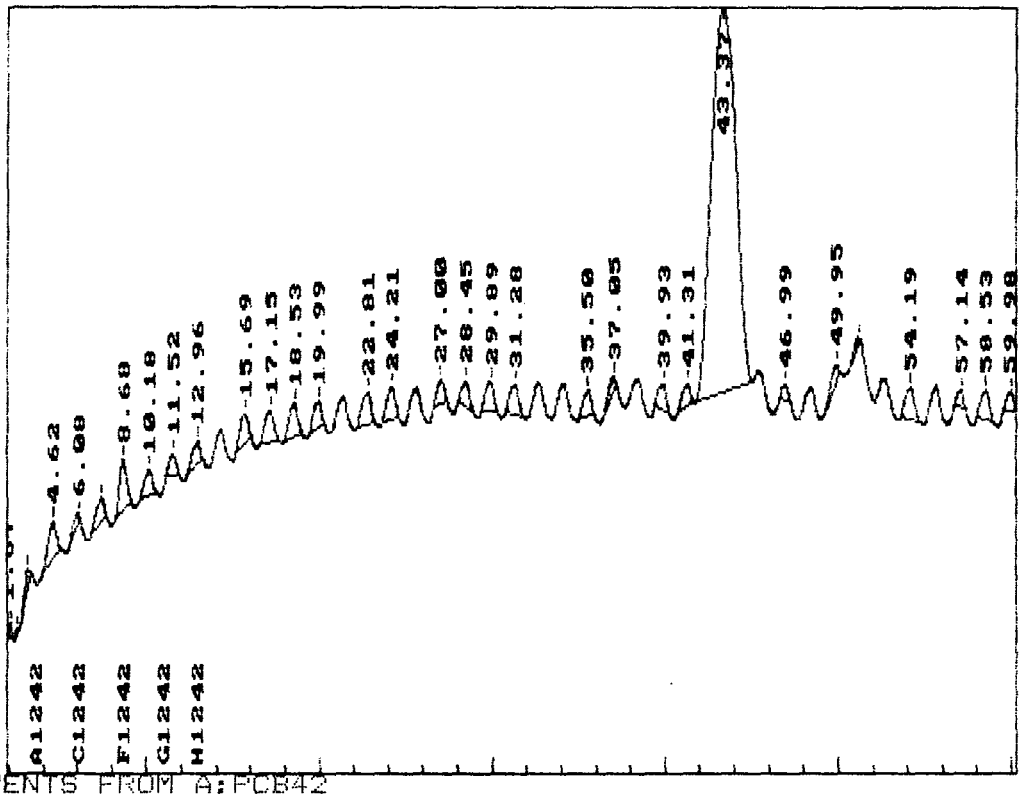
```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-28-1988 14:50:36 Version 4.1 **********************
* Sample Name: 88FM30S28                          Data File: a:m\2cle60    *
* Date: 09-26-1988 16:20:11 Method: A:PCB42 09-28-1988 13:11:09  #  14     *
* Interface: 0   Cycle#:  60   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*            Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Sample Weight:          0.900000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
5	4.62	B1242	0.5699	-198.2238%	11087	345	32.1	1	5	0	5.1399E-05
6	6.08	C1242	0.3962	-137.8019%	2756	98	28.2	1	6	0	1.4377E-04
7	7.41	E1242	-0.1987	69.1216%	5784	209	27.6	1	7	0	-3.4356E-05
8	8.68	F1242	-0.0145	5.0360%	11858	453	26.2	1	8	0	-1.2209E-06
10	11.52	G1242	-0.3567	124.0841%	5225	208	25.1	1	8	4.982	-6.8268E-05
11	12.96	H1242	-0.6836	237.7841%	6786	211	32.2	1	11	0	-1.0074E-04

TOTAL AMOUNT = -0.2875

DATASET SF5541

Plot of data file: a:m\2cle60.PTS
Date: 09-28-1988 Time: 14:51:15
Sample Name: 88FM30S28
Start Time= 1.82Stop Time = 60.27Min. Scale= 7507Max. Scale= 13462



NEW TIMED EVENTS FROM A:PCB42

DATASET SF5541

NEW TIMED EVENTS FROM A:PCB54

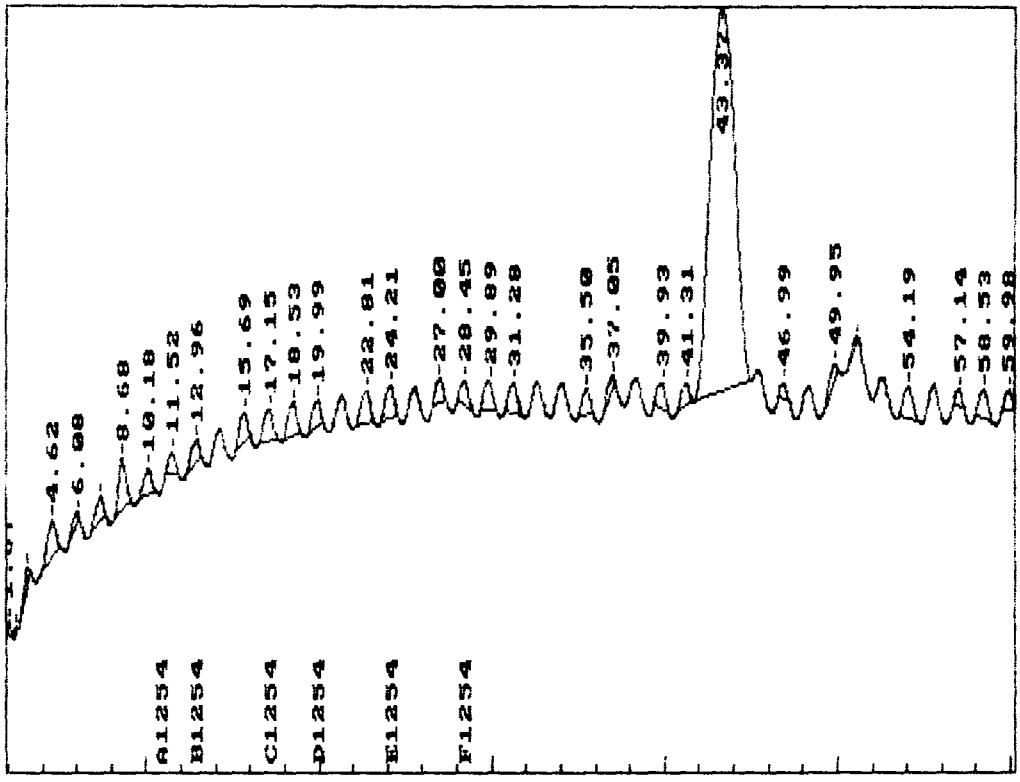
```
******   EXTERNAL STANDARD TABLE   ******
******************** 09-29-1988 08:01:39 Version 4.1 ********************
* Sample Name: 88FM30S28                          Data File: a:m\2cle60    *
* Date: 09-26-1988 16:20:11 Method: A:PCB54 09-24-1988 14:21:35  #  5      *
* Interface: 0   Cycle#:  60   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*            Detector 0: ECD                  Detector 1: ECD             *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per   1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Sample Weight:          0.900000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
11	12.96	B1254	0.1099	15.7977%	6786	211	32.2	1	11	0	1.6190E-05
13	17.15	C1254	0.2341	33.6577%	10436	294	35.5	1	13	0	2.2429E-05
15	19.99	D1254	0.0905	13.0114%	6662	220	30.3	1	15	0	1.3581E-05
17	24.21	E1254	0.1366	19.6453%	9497	299	31.8	1	17	0	1.4385E-05
19	28.45	F1254	0.1244	17.8879%	7641	250	30.6	1	19	0	1.6279E-05

TOTAL AMOUNT = 0.6954

DATASET SF5541

Plot of data file: a:m\2cle60.PTS
Date: 09-29-1988 Time: 08:02:09
Sample Name: 88FM30S28
Start Time= 1.82Stop Time = 60.27Min. Scale= 7507Max. Scale= 13462



DATASET SF5541

****** INTERNAL STANDARD TABLE ******

********** 09-24-1988 13:23:21 Version 4.1 **********

* Sample Name: 88FM30D24 Data File: A:M\2CLE61 *
* Date: 09-26-1988 16:24:02 Method: A:IPESTA 09-23-1988 09:17:00 # 82 *
* Interface: 0 Cycle#: 61 Operator LIN Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 15 Threshold: .1 Area Threshold: 100 *

****

* Instrument Type: TRACOR 540 Column Type: 0-SP2100; 1-Mixed Ph *
* Solvent Description: NITROGEN *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250 *
* Detector 0: ECD Detector 1: ECD *
* Misc. Information: *

****

Starting Delay: 1.80 Ending retention time: 60.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 5.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 0.970000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
4	3.80	ALPHA BHC	0.0577	3.2424%	10661	292	36.5	2	4	32	0	5.4157E-06
6	6.73	ALDRIN	0.1146	6.4342%	13762	324	42.5	2	6	32	0	8.3254E-06
10	11.00	HEPTACHLOR EPOXIDE	0.0719	4.0375%	16442	362	45.4	2	10	32	0	4.3728E-06
12	13.97	ENDOSULFAN I	0.1466	8.2324%	14245	337	42.3	2	12	32	0	1.0291E-05
14	16.85	DIELDRIN	0.3136	17.6120%	13292	337	39.4	2	14	32	0	2.3596E-05
16	19.79	ENDRIN	0.3270	18.3611%	18908	403	46.9	2	16	32	0	1.7292E-05
19	24.06	ENDOSULFAN II	0.0960	5.3938%	20806	429	48.5	2	19	32	0	4.6165E-06
21	27.00	DDT	0.3166	17.7764%	25603	492	52.0	2	21	32	0	1.2364E-05
32	43.52	ISTD	1.0000	0.0000%	362000	3977	91.0	1	32	32	0	2.7624E-06
36	50.81	DIBUTYLCHLOR	0.0214	1.2004%	53062	829	64.0	2	36	32	0	4.0285E-07
37	52.12	METHOXYCHLOR	0.3154	17.7099%	28974	564	51.4	2	37	32	0	1.0885E-05

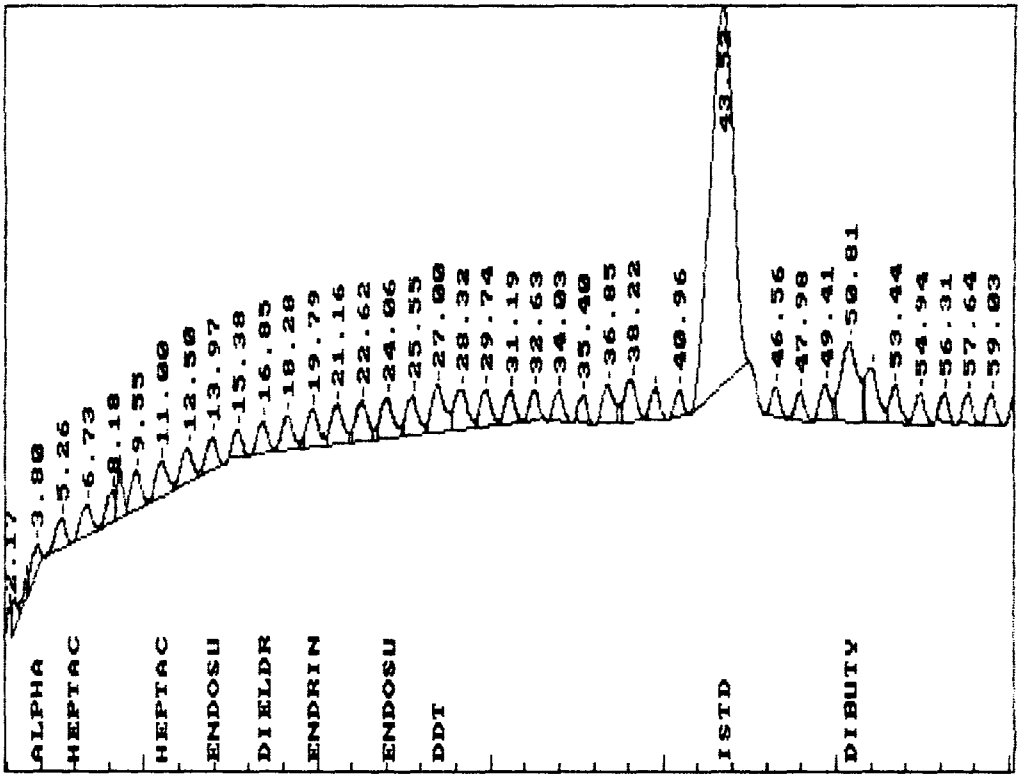
TOTAL AMOUNT = 1.7807

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
LINDANE	4.78	LINDANE
HEPTACHLOR	5.89	HEPTACHLOR

DATASET SF5541

Plot of data file: A:M\2CLE61.PTS
Date: 09-24-1988 Time: 13:24:02
Sample Name: 88FM30D24
Start Time= 1.82Stop Time = 60.27Min. Scale= 7131Max. Scale= 13777



DATASET SF5541

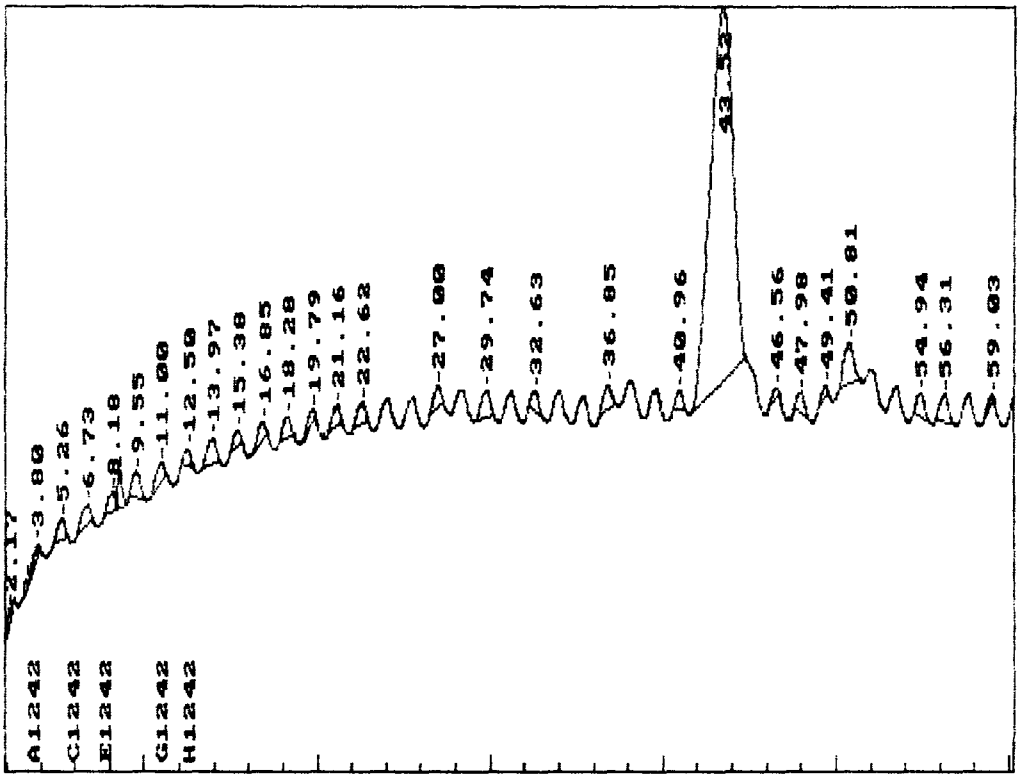
```
*****   EXTERNAL STANDARD TABLE   *****
******************** 09-28-1988 14:54:54 Version 4.1 **********************
* Sample Name: 88FM30D24                          Data File: A:M\2cle61     *
* Date: 09-26-1988 16:24:02 Method: A:PCB42 09-28-1988 13:11:09  #  14      *
* Interface: 0   Cycle#:  61   Operator LIN Channel#: 1    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100              *
*****************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100: 1-Mixed Ph    *
*              Solvent Description: NITROGEN                                *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                    *
*             Detector 0: ECD                  Detector 1: ECD              *
* Misc. Information:                                                        *
*****************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:        10.00
Sample Weight:          0.970000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
5	6.73	D1242	0.0763	-6.4310%	6410	194	33.1	1	5	0	1.1906E-05
7	8.61	F1242	-0.1743	14.6843%	7751	387	20.1	2	7	0	-2.2481E-05
9	11.00	G1242	-0.3270	27.5553%	5379	176	30.6	1	9	0	-6.0792E-05
10	12.50	H1242	-0.7617	64.1914%	4321	177	24.4	1	10	0	-1.7630E-04

TOTAL AMOUNT = -1.1866

DATASET SF5541

Plot of data file: A:M\2cle61.PTS
Date: 09-28-1988 Time: 14:55:23
Sample Name: 88FM30D24
Start Time= 1.82Stop Time = 60.27Min. Scale= 7131Max. Scale= 13777

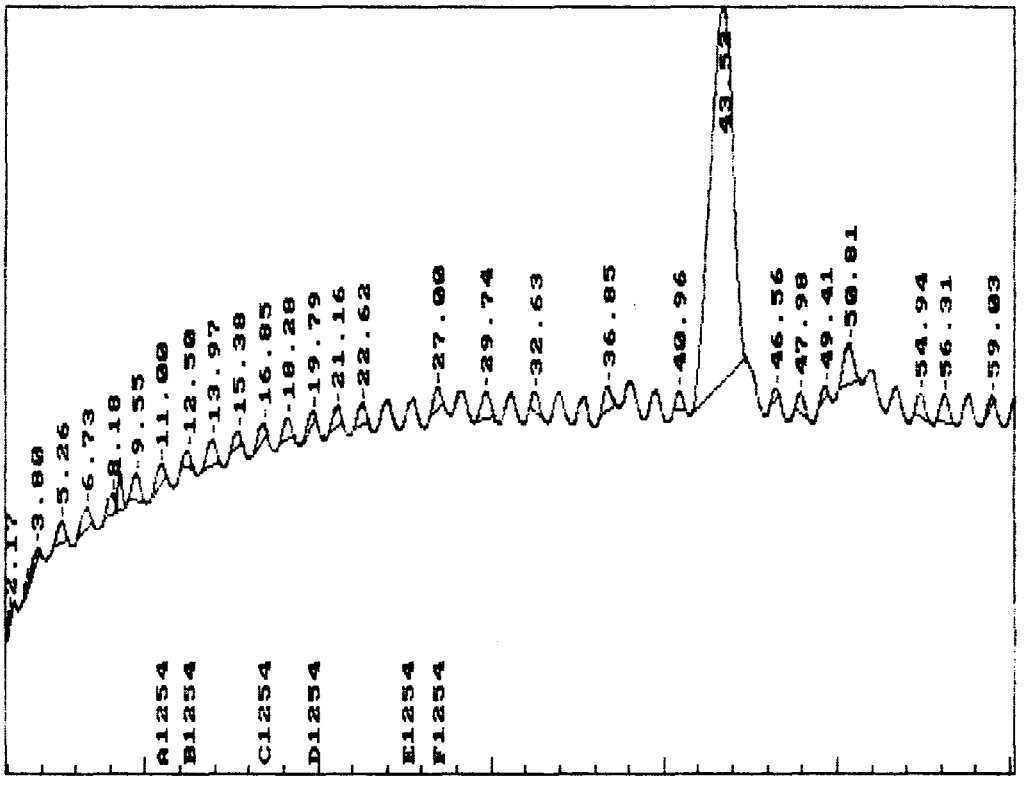


DATASET SF5541

```
******   EXTERNAL STANDARD TABLE   ******
******************** 09-28-1988 14:57:15 Version 4.1 **********************
* Sample Name: 88FM30D24                          Data File: A:M\2cle61    *
* Date: 09-26-1988 16:24:02 Method: A:PCB54 09-24-1988 14:21:35  #  5      *
* Interface: 0   Cycle#:  61   Operator LIN Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: TRACOR 540          Column Type: 0-SP2100; 1-Mixed Ph *
*              Solvent Description: NITROGEN                              *
* Conditions: ISOTHERMAL 200; Detector 325; Injector 250                  *
*             Detector 0: ECD                  Detector 1: ECD            *
* Misc. Information:                                                      *
*************************************************************************
Starting Delay:    1.80                      Ending retention time:    60.00
Area reject:        0                        One sample per   1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Sample Weight:          0.970000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
9	11.00	A1254	0.0859	23.3284%	5379	176	30.6	1	9	0	1.5968E-05
10	12.50	B1254	0.0649	17.6289%	4321	177	24.4	1	10	0	1.5022E-05
13	16.85	C1254	0.0859	23.3228%	4126	141	29.4	1	13	0	2.0810E-05
15	19.79	D1254	0.0449	12.2058%	3566	93	38.5	1	15	0	1.2601E-05
18	27.00	F1254	0.0866	23.5141%	5731	204	28.1	1	18	0	1.5105E-05

TOTAL AMOUNT = 0.3682

DATASET SF5541

Plot of data file: A:M\2cle61.PTS
Date: 09-28-1988 Time: 14:57:53
Sample Name: 88FM30D24
Start Time= 1.82Stop Time = 60.27Min. Scale= 7131Max. Scale= 13777