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158829

Analytical Results

Huntingdon

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REPORT OF: CHEMICAL ANALYSES

PROJECT: T05-9405-804, 94V

DATE: June 20, 1994

REPORTED TO: ECOLOGY & ENVIRONMENT INC
Attn: MARY JANE RIPP
111 W JACKSON BLVD
CHICAGO IL 60604

LABORATORY NO: 4416-94-5039
HPN: 5039

INTRODUCTION

This report presents the results of the analyses of three samples received on May 31, 1994, from a representative of Ecology & Environment, Inc. The scope of our services was limited to the parameters listed in the attached tables.

METHODOLOGY

Analyses are performed according to Huntingdon Standard Operating Procedures. The procedures are based on the references stated in the analytical results tables.

RESULTS

The results are listed in the attached tables.

DISCUSSION

According to EPA Method 8270 the Chrysene-d12 and Perylene-d12 internal standard (IS) recoveries were outside acceptable limits for samples 25147, 25147MS, 25147MSD, 25160MS, 25160MSD, 25161, 25162, 25152, and 25154. The 1,4-Dichlorobenzene-d4 and Napthalene-d8 IS also did not pass acceptance criteria for sample 25160. These samples were reinjected and the IS results noted were similar for all samples except 25160. Upon reanalysis the Chrysene-d12 and Perylene-d12 internal standards exhibited similar recoveries to sample 25160MS and 25160MSD. The reinjected results confirm that the cause of the low IS recoveries is suppression due to matrix interferences.

Samples 25160 and 25160MSD appear to have been switched prior to analysis of semivolatiles. The spiked sample can be distinguished from the non-spiked sample due to the presence of the 11 spiked compounds.

The PCB and Total Semivolatile samples were extracted using 5 grams of sample. The samples were then filtered through a 0.45 micron filter and placed on the GPC. The samples caused the prep-scale UV detector on the GPC to completely plug. The samples were reextracted using 1 gram, filtered and placed on the GPC with similar results.

In order for the samples to pass through the GPC a 1:10 dilution of the 1 gram extraction was necessary. The 1:10 dilution was done on an extract that had been previously spiked with the surrogate compounds. Therefore the surrogate values were ten times lower in solution and thus more prone to be affected by matrix interferences.

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The PCB Method Blank was run twice. In both analyses and on both columns there is a large non-PCB peak that interferes with the TCMX surrogate. This interferance does not appear in the LCS or any other samples. The probable cause of this interfering peak is contamination during preparation or concentration of the extract.

Recoveries of the PCB matrix spike and matrix spike duplicate samples could not be calculated due to the large sample dilution factor.

The TCLP Metals samples were originally run on 6/14/94. The Initial Calibration Verification (ICV) did not pass acceptance criteria for silver. Silver was reanalyzed on 6/15/94. The interferance check sample was not analyzed on 6/15/94.

A limited amount of sample was available from the TCLP leach and subsequently a matrix spike duplicate could not be performed for the RCRA metals. A sample will be releached and the MS and MSD will be analyzed. A revised report containing this information will be issused.

REMARKS

The samples were collected on May 27, 1994. If samples are not consumed in the analysis, they are held for two months from the date of sample receipt and then disposed, unless written instructions to the contrary are received.

HUNTINGDON ENGINEERING & ENVIRONMENTAL, INC.

Terry Uecker
Project Manager

Jon Berdahl
Laboratory Manager

TU/JB/jd

TCLP METALS DATA

Mercury by Cold Vapor Atomic Absorption (CVAA)

Date Analyzed :	6/16/94
Analyst :	B Cooper
Reviewed By :	
Comments :	HG167A

	TCT ID	Sample Size (mL or g)	Matrix (S or L)	Abs	Conc	Units
1	ICV/LCSW	50	L	0.152	4.2 105	%ug/L
2	ICB/PBW	50	L	0.014	0.076	ug/L
3	101	25	L	0.013	0.092	ug/L
4	101 MS	25	L	0.197	11 112	%ug/L
5	101 MSD	25	L	0.190	11 0	%ug/L
6	102	25	L	0.012	0.033	ug/L
7	103	25	L	0.006	-0.323661	ug/L
8	104	25	L	0.008	-0.204865	ug/L
9	QD-1	25	L	0.006	-0.323661	ug/L
10	QD-1 MS	25	L	0.191	11 92	%ug/L
11	QD-1 MSD	25	L	0.182	10 95	% ug/L
12	CCV	50	L	0.157	4.3 106	%ug/L
13	CCB	50	L	0.008	-0.102432	ug/L
14	QD-2	25	L	0.008	-0.204865	ug/L
15	QD-3	25	L	0.009	-0.145467	ug/L
16	CCV	50	L	0.159	4.4 110	%ug/L
17	CCB	50	L	0.014	0.076	ug/L
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
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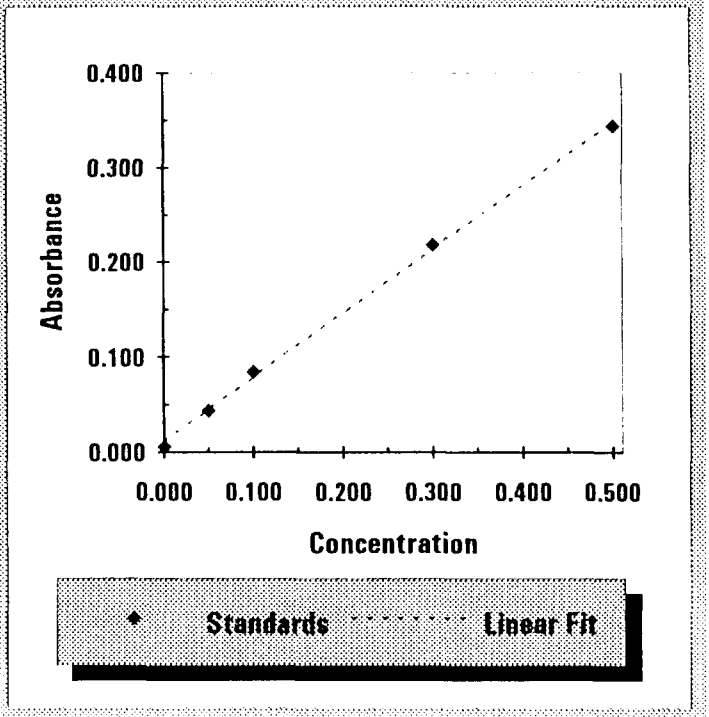
34						
35						
36						
37						
38						
39						
40						

Std	Conc (ug Hg)	Abs
Blank	0.000	0.006
Std 1	0.050	0.044
Std 2	0.100	0.085
Std 3	0.300	0.218
Std 4	0.500	0.344

STATISTICS	
Correlation Coefficient :	0.9993
Corr Coef Pass/Fail :	PASS
Slope :	0.6725
Y-intercept :	0.0116



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Date: 6/16/94 (1:32 PM)

Method: JUN1494A Standard: BLANK

Elem	Ag3280	AL	AL	As1936	Ba4934	Cd2265	Cr2677
Avge	.0017	-.0003	.0004	.0001	.0000	-.0002	-.0003
SDev	.0007	.0001	.0002	.0007	.0000	.0000	.0004
%RSD	41.59	47.14	41.39	707.1	.0000	.0000	141.4
#1	.0012	-.0004	.0003	-.0004	.0000	-.0002	.0000
#2	.0022	-.0002	.0006	.0006	.0000	-.0002	-.0006

Elem	FE	FE	Pb2203	Se1960
Avge	.0020	.0003	.0005	-.0005
SDev	.0014	.0001	.0007	.0007
%RSD	70.71	47.14	141.4	141.4
#1	.0010	.0002	.0000	.0000
#2	.0030	.0004	.0010	-.0010

Method: JUN1494A Standard: AG

Elem	Ag3280
Avge	2.903
SDev	.007
%RSD	.2582
#1	2.908
#2	2.897

Method: JUN1494A Standard: TCT1

Elem	AL	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Avge	.6634	1.121	1.094	6.388	2.385	3.697	.3759
SDev	.0011	.003	.002	.035	.022	.039	.0038
%RSD	.1705	.2829	.1551	.5490	.9309	1.056	1.016
#1	.6626	1.119	1.095	6.363	2.401	3.724	.3786
#2	.6642	1.123	1.093	6.413	2.369	3.669	.3732

Elem	FE	Pb2203	Se1960
Avge	.5078	.4337	.4221
SDev	.0028	.0038	.0004
%RSD	.5570	.8804	.1005
#1	.5098	.4364	.4218
#2	.5058	.4310	.4224

Method: JUN1494A Sample Name: TCT1A Operator: BCC

Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-14.48	9965.	9955.	9959.	10020.	10010.	9992.
SDev	5.36	24.	9.	58.	8.	1.	.
%RSD	37.04	.2434	.0895	.5824	.0770	.0076	.0000
#1	-10.69	9948.	9949.	9918.	10020.	10010.	9992.
#2	-18.27	9982.	9961.	10000.	10010.	10010.	9992.

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	10050.	10030.
SDev	7.	90.
%RSD	.0647	.9006
#1	10050.	9969.
#2	10060.	10100.

Method: JUN1494A Sample Name: AG Operator: BCC
Run Time: 06/14/94 13:58:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9874.	-2.110	1.825	3.131	4.181	3.520	49.26
SDev	59.	2.387	9.185	.886	2.372	.765	.00
%RSD	.5974	113.1	503.4	28.28	56.74	21.73	.0000
#1	9832.	-3.797	8.319	3.757	5.858	4.061	49.26
#2	9916.	-.4219	-4.670	2.505	2.503	2.979	49.26

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	2.314	37.86
SDev	6.541	50.20
%RSD	282.6	132.6
#1	6.939	2.366
#2	-2.311	73.36

Method: JUN1494A Sample Name: BLK Operator: BCC
Run Time: 06/14/94 14:03:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6895	.4219	.9205	.1565	2.935	.5409	.0000
SDev	1.463	6.518	2.544	.6641	.592	3.443	2.787

%RSD	212.1	1545.	276.4	424.3	20.10	636.4	1558e6
#1	1.724	5.031	2.719	.6262	3.354	2.975	1.970
#2	-.3447	-4.187	-.8784	-.3131	2.517	-1.893	-1.970

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	-2.312	-21.30
SDev	19.604	6.69
%RSD	848.0	31.43
#1	11.55	-26.03
#2	-16.17	-16.56

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ethod: JUN1494A Sample Name: ICV Operator: BCC
un Time: 06/14/94 14:06:17
omment:
ode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4351.	5205.	4895.	5053.	5046.	5071.	5123.
SDev	3.	2.	17.	4.	27.	26.	20.
%RSD	.0672	.0384	.3489	.0745	.5405	.5054	.3807
#1	4349.	5204.	4907.	5051.	5027.	5053.	5109.
#2	4353.	5207.	4882.	5056.	5065.	5089.	5137.

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	5060.	4955.
SDev	16.	3.
%RSD	.3230	.0675
#1	5048.	4957.
#2	5071.	4953.

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ethod: JUN1494A Sample Name: ICB Operator: BCC
un Time: 06/14/94 14:09:45
omment:
ode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3447	-2.110	.0205	.9392	2.516	1.352	.0000
SDev	2.925	10.098	11.88	.4428	.001	.000	2.787
%RSD	848.5	478.7	58030.	47.14	.0287	.0181	1558e6
#1	2.413	5.031	-8.383	1.252	2.516	1.352	1.970
#2	-1.724	-9.250	8.424	.6262	2.517	1.352	-1.970

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	-4.620	18.93
SDev	3.256	36.81
%RSD	70.47	194.5

#2	-6.922	-7.099

Method: JUN1494A Standard: AG

Elem	Ag3280
Avge	2.885
SDev	.004
%RSD	.1323
#1	2.888
#2	2.883

Method: JUN1494A Sample Name: AG Operator: BCC
Run Time: 06/14/94 14:15:33
Comment:
Mode: CONC Corr. Factor: 1

99

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9893.	-2.158	-10.06	-.3131	1.670	2.437	25.62
SDev	17.	1.400	12.94	.4428	1.186	.765	.00
%RSD	.1735	64.86	128.7	141.4	70.99	31.40	.0000
#1	9905.	-1.168	-19.21	.0000	.8318	1.896	25.62
#2	9880.	-3.148	-.9077	-.6262	2.509	2.978	25.62

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	-16.16	2.366
SDev	13.06	.000
%RSD	80.81	.0000
#1	-6.924	2.366
#2	-25.39	2.366

Method: JUN1494A Sample Name: ICV Operator: BCC
Run Time: 06/14/94 14:18:25
Comment:
Mode: CONC Corr. Factor: 1

Ag - Failed
Ag only

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4179.	5173.	4812.	5047.	5076.	5096.	5143.
SDev	30.	4.	5.	6.	46.	40.	25.
%RSD	.7158	.0758	.1096	.1184	.8992	.7808	.4877
#1	4200.	5176.	4808.	5042.	5108.	5124.	5161.
#2	4158.	5171.	4816.	5051.	5044.	5067.	5125.

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	5065.	4983.
SDev	52.	70.
%RSD	1.031	1.410

%RSD	1.031	1.410
#1	5102.	5033.
#2	5028.	4934.

Method: JUN1494A Sample Name: ICSA Operator: BCC
Run Time: 06/14/94 14:21:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3468	486400.	-58.72	4.070	7.515	11.72	170100.
SDev	1.9616	21.	18.62	.443	.508	2.65	329.
%RSD	565.7	.0044	31.70	10.88	6.756	22.60	.1933
#1	-1.734	486400.	-45.56	4.383	7.156	13.59	169800.
#2	1.040	486400.	-71.88	3.757	7.874	9.848	170300.

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	60.69	16.56
SDev	16.30	100.4
%RSD	26.85	606.1
#1	49.17	-54.42
#2	72.21	87.55

Method: JUN1494A Sample Name: ICSAB Operator: BCC
Run Time: 06/14/94 14:24:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	978.9	486200.	950.4	459.3	882.9	452.3	170100.
SDev	2.0	94.	96.6	.4	6.3	7.0	800.
%RSD	.2004	.0193	10.16	.0964	.7152	1.538	.4703
#1	980.3	486300.	1019.	459.0	887.3	457.3	170600.
#2	977.5	486100.	882.1	459.6	878.4	447.4	169500.

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	1024.	982.0
SDev	13.	93.7
%RSD	1.264	9.542
#1	1033.	1048.
#2	1014.	915.8

Method: JUN1494A Sample Name: PB Operator: BCC
Run Time: 06/14/94 14:27:11
Comment:

Avge	-9.413	-7.099
SDev	3.197	53.543
%RSD	33.96	754.2
#1	-7.152	30.76
#2	-11.67	-44.96

Method: JUN1494A Sample Name: LCS Operator: BCC
Run Time: 06/14/94 14:29:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	412.6	1017.	964.2	991.7	1006.	1033.	1691.
SDev	3.4	1.	2.6	1.1	2.	6.	8.
%RSD	.8319	.1174	.2708	.1116	.2356	.5556	.4945
#1	415.1	1017.	962.3	990.9	1007.	1037.	1697.
#2	410.2	1016.	966.0	992.5	1004.	1029.	1685.

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	1007.	986.7
SDev	7.	33.5
%RSD	.6479	3.391
#1	1012.	1010.
#2	1003.	963.1

Method: JUN1494A Sample Name: TCLP BLK Operator: BCC

Run Time: 06/14/94 14:33:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3468	49.14	18.64	2.818	1.245	1.898	49.26
SDev	1.962	10.83	2.47	.443	.593	2.295	.00
%RSD	565.7	22.04	13.26	15.71	47.62	120.9	.0000
#1	-1.040	41.48	16.89	2.505	1.664	.2748	49.26
#2	1.734	56.80	20.39	3.131	.8257	3.521	49.26

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	4.554	2.366
SDev	29.37	20.08
%RSD	644.9	848.5
#1	-16.21	16.56
#2	25.32	-11.83

Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	18.38	140.0	4.855	1.252	2.489	2.443	102.5
SDev	2.94	52.9	14.95	.000	1.191	1.532	17.5
%RSD	16.01	37.82	307.9	.0000	47.85	62.69	17.04
#1	20.46	177.4	15.42	1.252	1.647	3.527	116.3
#2	16.30	102.6	-5.714	1.252	3.331	1.360	88.67

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	-9.413	-7.099
SDev	3.197	53.543
%RSD	33.96	754.2
#1	-7.152	30.76
#2	-11.67	-44.96

Method: JUN1494A Sample Name: LCS Operator: BCC
Run Time: 06/14/94 14:29:58
Comment:
Mode: CONC Corr. Factor: 1

96 99 101 103

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	412.6	1017.	964.2	991.7	1006.	1033.	1691.
SDev	3.4	1.	2.6	1.1	2.	6.	8.
%RSD	.8319	.1174	.2708	.1116	.2356	.5556	.4945
#1	415.1	1017.	962.3	990.9	1007.	1037.	1697.
#2	410.2	1016.	966.0	992.5	1004.	1029.	1685.

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	1007.	986.7
SDev	7.	33.5
%RSD	.6479	3.391
#1	1012.	1010.
#2	1003.	963.1

Method: JUN1494A Sample Name: TCLP BLK Operator: BCC

Run Time: 06/14/94 14:33:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3468	49.14	18.64	2.818	1.245	1.898	49.26
SDev	1.962	10.83	2.47	.443	.593	2.295	.00
%RSD	565.7	22.04	13.26	15.71	47.62	120.9	.0000
#1	-1.040	41.48	16.89	2.505	1.664	.2748	49.26
#2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

#2	11.36	11.83

Method: JUN1494A Sample Name: CCV Operator: BCC
Run Time: 06/14/94 15:06:44
Comment:
Mode: CONC Corr. Factor: 1

	101	102	99	102	100	100	
Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2027.	5083.	4937.	5129.	4998.	5024.	5036.
SDev	4.	9.	3.	6.	5.	.	8.
%RSD	.1936	.1711	.0507	.1079	.1068	.0076	.1660
#1	2024.	5077.	4936.	5133.	4994.	5024.	5042.
#2	2030.	5090.	4939.	5125.	5002.	5024.	5031.

	99	101
Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	4954.	5076.
SDev	7.	94.
%RSD	.1316	1.846
#1	4950.	5142.
#2	4959.	5009.

Method: JUN1494A Sample Name: CCB Operator: BCC
Run Time: 06/14/94 15:09:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.040	2.824	-.9476	.6262	2.934	2.435	1.970
SDev	4.904	8.170	5.0821	.0000	1.779	4.590	.000
%RSD	471.4	289.3	536.3	.0000	60.62	188.5	.0000
#1	-2.427	-2.953	-4.541	.6262	1.676	-.8113	1.970
#2	4.508	8.601	2.646	.6262	4.192	5.680	1.970

Elem	Pb2203	Se1960

Avge	-9.237	16.56
SDev	16.312	6.69
%RSD	176.6	40.41
#1	-20.77	11.83
#2	2.297	21.30

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pcc 6/14/94

Method: JUN1494A Sample Name: 105MS Operator: BCC
Run Time: 06/14/94 15:12:12
Comment:
Mode: CONC Corr. Factor: 1

96%

98% 97% 99%

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	400.5	1156.	975.2	1077.	966.6	988.5	2043.
SDev	1.0	8.	30.9	2.	6.5	4.2	6.
%RSD	.2449	.6670	3.172	.2261	.6745	.4257	.2728
#1	399.8	1151.	953.4	1075.	962.0	985.5	2039.
#2	401.2	1162.	997.1	1079.	971.3	991.5	2047.

98% 103%

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	984.2	1027.
SDev	13.0	23.
%RSD	1.326	2.281
#1	975.0	1010.
#2	993.4	1044.

Method: JUN1494A Sample Name: 105MSD Operator: BCC
Run Time: 06/14/94 15:15:12
Comment:
Mode: CONC Corr. Factor: 1

<1% 0% 1.0% <1%

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	395.3	1161.	972.5	1077.	956.6	981.8	2020.
SDev	1.5	8.	11.6	6.	1.8	.8	.
%RSD	.3712	.6937	1.188	.5962	.1859	.0779	.0000
#1	396.4	1156.	964.3	1072.	957.8	981.2	2020.
#2	394.3	1167.	980.6	1081.	955.3	982.3	2020.

<1% <1%

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	977.3	1020.
SDev	3.3	7.
%RSD	.3330	.6562
#1	975.0	1025.
#2	979.6	1015.

Method: JUN1494A Sample Name: 105 A Operator: BCC

Method: JUN1494A Sample Name: 105 H Operator: BCC
Run Time: 06/14/94 15:18:18
Comment:
Mode: CONC Corr. Factor: 1

96 94 94 94

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	955.0	1138.	963.7	1063.	942.4	941.2	1931.
SDev	4.9	8.	3.8	3.	7.7	7.7	3.
%RSD	.5130	.6656	.3954	.2917	.8178	.8129	.1443
#1	952.0	1143.	966.4	1065.	936.9	935.8	1929.
#2	959.5	1132.	961.0	1060.	947.8	946.6	1933.

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	933.4	986.7
SDev	6.5	6.7
%RSD	.7005	.6783
#1	928.8	982.0
#2	938.1	991.5

93 99

Method: JUN1494A Sample Name: 105 L Operator: BCC
Run Time: 06/14/94 15:21:19
Comment:
Mode: CONC Corr. Factor: 1

0% 120 = NC NC NC

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3468	39.60	2.143	23.95	.7849	2.994	206.9
SDev	.9808	2.52	5.199	.22	.0000	1.530	.0
%RSD	282.8	6.376	242.6	.9243	.0000	51.11	.0000
#1	-.3468	41.38	-1.534	24.11	.7849	4.075	206.9
#2	1.040	37.81	5.819	23.79	.7849	1.912	206.9

x5

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	-2.359	2.366
SDev	6.532	6.693
%RSD	276.9	282.8
#1	-6.978	7.099
#2	2.260	-2.366

NC NC

Method: JUN1494A Sample Name: PBS Operator: BCC
Run Time: 06/14/94 15:24:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB

SDev	.981	4.911	3.93	.4428	1.185	.0002	2.787
%RSD	40.41	95.77	35.99	141.4	70.75	.0909	35.36
#1	-3.121	1.655	13.69	.6262	2.513	-.2696	9.852
#2	-1.734	8.601	8.133	.0000	.8369	-.2700	5.911

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	-16.17	-7.099
SDev	6.54	13.386
%RSD	40.43	188.6
#1	-11.54	2.366
#2	-20.79	-16.56

Method: JUN1494A Sample Name: LCS Operator: BCC
Run Time: 06/14/94 15:26:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
	99	99	95	98	98	100	
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	399.5	989.5	945.9	977.9	979.1	999.3	1005.
SDev	.5	6.2	6.5	2.0	1.2	3.4	3.
%RSD	.1228	.6308	.6901	.2037	.1210	.3445	.2773
#1	399.1	985.1	950.5	979.3	978.2	1002.	1008.
#2	399.8	994.0	941.3	976.5	979.9	996.8	1007.

Elem	Pb2203	Se1960
	94	97
Units	PPB	PPB
Avge	966.0	974.9
SDev	13.1	3.3
%RSD	1.351	.3433
#1	956.7	972.6
#2	975.2	977.3

Method: JUN1494A Sample Name: QD1 Operator: BCC
Run Time: 06/14/94 15:29:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
			ND	320	ND	ND	
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-7.976	320.0	14.05	316.5	.8374	7.844	3.941
SDev	.981	5.7	2.52	.4	.0007	1.530	2.787
%RSD	12.30	1.779	17.96	.1399	.0862	19.51	70.71
#1	-7.282	316.0	12.26	316.8	.8380	6.762	1.970
#2	-8.669	324.0	15.83	316.2	.8369	8.926	5.911

Elem	Pb2203	Se1960
	ND	ND
Units	PPB	PPB
Avge	-18.88	16.56
SDev	3.26	.00

%RSD	17.26	.0000
#1	-21.18	16.56
#2	-16.57	16.56

Method: JUN1494A Sample Name: QD-2 Operator: BCC
Run Time: 06/14/94 15:32:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-7.629	362.4	-4.702	437.7	2.088	8.929	31.53
SDev	5.394	12.9	.138	1.8	1.778	1.530	2.79
%RSD	70.71	3.572	2.935	.4046	85.15	17.14	8.839
#1	-3.814	371.5	-4.800	436.4	3.345	10.01	33.50
#2	-11.44	353.2	-4.605	438.9	.8308	7.847	29.56

ND 440 ND ND

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	6.461	47.33
SDev	13.04	3.35
%RSD	201.8	7.071
#1	15.68	44.96
#2	-2.761	49.69

ND ND

Method: JUN1494A Sample Name: QD-3 Operator: BCC
Run Time: 06/14/94 15:35:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-6.242	577.2	24.18	386.3	-.8395	13.25	3.941
SDev	.490	17.1	7.58	.9	.0007	.00	2.787
%RSD	7.857	2.966	31.34	.2292	.0860	.0018	70.71
#1	-6.589	589.3	29.53	387.0	-.8400	13.25	5.911
#2	-5.895	565.1	18.82	385.7	-.8390	13.25	1.970

ND 390 ND ND

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	-14.59	16.56
SDev	3.24	6.69
%RSD	22.23	40.41
#1	-12.30	21.30
#2	-16.88	11.83

ND ND

Method: JUN1494A Sample Name: QD-3MS Operator: BCC
Run Time: 06/14/94 15:43:02
Comment:

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	400.2	1607.	990.9	1268.	846.2	890.8	859.1
SDev	.5	12.	14.3	12.	.6	5.4	2.8
%RSD	.1226	.7596	1.447	.9777	.0700	.6012	.3244
#1	399.8	1616.	980.8	1277.	845.8	887.0	857.1
#2	400.5	1599.	1001.	1259.	846.6	894.6	861.1

99 88 85 88 86

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	932.8	1091.
SDev	.0	.
%RSD	.0017	.0000
#1	932.8	1091.
#2	932.9	1091.

93 109

Method: JUN1494A Sample Name: CCV Operator: BCC
Run Time: 06/14/94 15:46:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2011.	4982.	4927.	4995.	5005.	5012.	5009.
SDev	9.	.	.	15.	4.	1.	8.
%RSD	.4633	.0069	.0001	.3058	.0829	.0153	.1669
#1	2018.	4982.	4927.	5006.	5008.	5011.	5015.
#2	2005.	4982.	4927.	4984.	5002.	5012.	5003.

100 100 98 100 100 100 100

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	4945.	5024.
SDev	20.	80.
%RSD	.3961	1.599
#1	4931.	5080.
#2	4959.	4967.

99 100

Method: JUN1494A Sample Name: CCB Operator: BCC

Run Time: 06/14/94 15:49:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6935	-.6978	9.148	1.096	1.677	2.434	-1.970
SDev	1.471	.3901	6.471	.664	2.373	2.295	5.573
%RSD	212.1	55.91	70.73	60.61	141.5	94.27	282.8
#1	-.3468	-.9737	13.72	1.565	3.355	4.057	-5.911

Elem	[illegible]	[illegible]
Units	PPB	PPB
Avge	932.8	1091.
SDev	.0	.
%RSD	.0017	.0000
#1	932.8	1091.
#2	932.9	1091.

Method: JUN1494A Sample Name: CCV Operator: BCC
Run Time: 06/14/94 15:46:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2011.	4982.	4927.	4995.	5005.	5012.	5009.
SDev	9.	.	.	15.	4.	1.	8.
%RSD	.4633	.0069	.0001	.3058	.0829	.0153	.1669
#1	2018.	4981.	4927.	5006.	5008.	5011.	5015.
#2	2005.	4982.	4927.	4984.	5002.	5012.	5003.

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	4945.	5024.
SDev	20.	80.
%RSD	.3961	1.599
#1	4931.	5080.
#2	4959.	4967.

Method: JUN1494A Sample Name: CCB Operator: BCC

Run Time: 06/14/94 15:49:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6935	-.6978	9.148	1.096	1.677	2.434	-1.970
SDev	1.471	.3901	6.471	.664	2.373	2.295	5.573
%RSD	212.1	55.91	70.73	60.61	141.5	94.27	282.8
#1	-.3468	-.9737	13.72	1.565	3.355	4.057	-5.911
#2	1.734	-.4219	4.573	.6262	-.0005	.8116	1.970

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	.0009	2.366
SDev	3.265	.000
%RSD	365700.	.0000
#1	2.310	2.366
#2	-2.308	2.366

Method: JUN1494A Sample Name: ICSAB Operator: BCC
Run Time: 06/14/94 16:17:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	990.4	488500.	967.8	460.2	898.2	459.8	172400.
SDev	.5	765.	25.8	1.8	1.8	2.7	120.
%RSD	.0495	.1566	2.666	.3848	.2015	.5846	.0695
#1	990.0	489100.	986.1	461.5	899.5	457.9	172400.
#2	990.7	488000.	949.6	459.0	896.9	461.7	172500.

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	1048.	937.1
SDev	34.	3.3
%RSD	3.208	.3571
#1	1024.	939.4
#2	1072.	934.7

Method: JUN1494A Sample Name: CCV Operator: BCC
Run Time: 06/14/94 16:19:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2029.	5140.	4950.	5030.	5076.	5115.	5088.
SDev	3.	18.	11.	12.	5.	10.	8.
%RSD	.1450	.3581	.2312	.2465	.0935	.2019	.1643
#1	2031.	5153.	4958.	5021.	5073.	5108.	5094.
#2	2027.	5127.	4942.	5039.	5080.	5123.	5082.

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	5070.	5078.
SDev	33.	23.
%RSD	.6435	.4613
#1	5093.	5062.
#2	5047.	5095.

Method: JUN1494A Sample Name: CCB Operator: BCC
Run Time: 06/14/94 16:22:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	AL	As1936	Ba4934	Cd2265	Cr2677	FE
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.774	10.34	5.376	.9392	2.934	.5411	1.970
SDev	.490	10.03	8.935	.4428	.590	.3835	11.15
%RSD	17.68	97.02	166.2	47.14	20.11	70.87	565.7
#1	3.121	17.43	11.69	1.252	3.351	.8123	9.852
#2	2.427	3.246	-.9427	.6262	2.517	.2700	-5.911

Elem	Pb2203	Se1960
Units	PPB	PPB
Avge	9.220	-2.366
SDev	9.807	.000
%RSD	106.4	.0000
#1	2.286	-2.366
#2	16.15	-2.366

6/15/94

Method: JUN1594B Standard: BLANK

Elem	Ag3280
Avge	.0013
SDev	.0001
%RSD	10.88
#1	.0014
#2	.0012

Method: JUN1594B Standard: AG

Elem	Ag3280
Avge	3.100
SDev	.001
%RSD	.0319
#1	3.101
#2	3.100

Method: JUN1594B Sample Name: AG Operator: BCC
Run Time: 06/14/94 17:26:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	10020.
SDev	5.
%RSD	.0456
#1	10020.
#2	10010.

100%

Method: JUN1594B Sample Name: BLK Operator: BCC
Run Time: 06/14/94 17:29:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	17.10
SDev	.91
%RSD	5.337
#1	16.46
#2	17.75

Re-run
carryover

Method: JUN1594B Sample Name: BLK Operator: BCC
Run Time: 06/14/94 17:31:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	3.227
SDev	1.369
%RSD	42.43
#1	4.195
#2	2.259

ND

Method: JUN1594B Sample Name: ICV Operator: BCC
Run Time: 06/14/94 17:32:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	5163.
SDev	21.
%RSD	.4154
#1	5148.
#2	5178.

103%

Method: JUN1594B Sample Name: ICB Operator: BCC
Run Time: 06/14/94 17:35:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	2.259
SDev	.000
%RSD	.0000
#1	2.259
#2	2.259

ND

Method: JUN1594B Sample Name: PB Operator: BCC
Run Time: 06/14/94 17:38:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	9.358
SDev	.913
%RSD	9.753

ND

#1 8.712
#2 10.00

---

ethod: JUN1594B Sample Name: LCS Operator: BCC
un Time: 06/14/94 17:41:43.

omment:
ode: CONC Corr. Factor: 1

Elem Ag3280 100%
Units PPB
Avge 398.2
SDev 1.4
%RSD .3438

#1 397.2
#2 399.2

#1 [illegible]
#2 6.776

Method: JUN1594B Sample Name: 105 ~~MS~~ MS BCC 6/14/94 Operator: BCC
Run Time: 06/14/94 17:54:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	388.8
SDev	.9
%RSD	.2347
#1	389.5
#2	388.2

97%

Method: JUN1594B Sample Name: 105 MSD Operator: BCC
Run Time: 06/14/94 17:57:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	394.6
SDev	1.8
%RSD	.4625
#1	395.9
#2	393.4

1.5%

Method: JUN1594B Sample Name: CCV Operator: BCC
Run Time: 06/14/94 17:59:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	1971.
SDev	5.
%RSD	.2315
#1	1975.
#2	1968.

99%

Method: JUN1594B Sample Name: CCB Operator: BCC
Run Time: 06/14/94 18:03:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	2.259
SDev	1.825
%RSD	80.81

ND

Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	388.8
SDev	.9
%RSD	.2347
#1	389.5
#2	388.2

97%

Method: JUN1594B Sample Name: 105 MSD Operator: BCC
Run Time: 06/14/94 17:57:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	394.6
SDev	1.8
%RSD	.4625
#1	395.9
#2	393.4

1.5%

Method: JUN1594B Sample Name: CCV Operator: BCC
Run Time: 06/14/94 17:59:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	1971.
SDev	5.
%RSD	.2315
#1	1975.
#2	1968.

99%

Method: JUN1594B Sample Name: CCB Operator: BCC
Run Time: 06/14/94 18:03:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	2.259
SDev	1.825
%RSD	80.81
#1	3.550
#2	.9681

ND

Method: JUN1594B Sample Name: 105 A Operator: BCC

Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	904.5
SDev	3.7
%RSD	.4036

90%

#1	901.9
#2	907.1

Method: JUN1594B Sample Name: 105 L Operator: BCC
Run Time: 06/14/94 18:07:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	1.936
SDev	1.369
%RSD	70.71

NC

#1	2.904
#2	.9681

Method: JUN1594B Sample Name: QD-1 Operator: BCC
Run Time: 06/14/94 18:09:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	-2.581
SDev	.456
%RSD	17.68

ND

#1	-2.904
#2	-2.259

Method: JUN1594B Sample Name: QD-2 Operator: BCC
Run Time: 06/14/94 18:12:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	-4.195
SDev	.913
%RSD	21.76

ND

#1	-4.840
#2	-3.550

Method: JUN1594B Sample Name: QD-3 Operator: BCC
Run Time: 06/~~14~~/94 18:14:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB

ND

Avge	-3.550
SDev	.913
%RSD	25.71
#1	-4.195
#2	-2.904

Method: JUN1594B Sample Name: QD-3 MS Operator: BCC
Run Time: 06/14/94 18:16:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	380.1
SDev	.5
%RSD	.1200
#1	379.8
#2	380.4

95%

Method: JUN1594B Sample Name: CCV Operator: BCC
Run Time: 06/14/94 18:18:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	1962.
SDev	3.
%RSD	.1396
#1	1960.
#2	1964.

98%

Method: JUN1594B Sample Name: CCB Operator: BCC
Run Time: 06/14/94 18:21:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280
Units	PPB
Avge	1.291
SDev	2.282
%RSD	176.8

ND

#1	2.904
#2	-.3227

Huntingdon

TCLP METAL RESULTS

(All values are in μg/L which is equivalent to parts-per-billion)

Client ID:	LCW	CCV	CCB			
TCT ID:						
Parameter				PQL	Test Date	Test Method
Arsenic	95% Rec	98	ND	100	6/14/94	6010
Barium	98% Rec	100	ND	10	6/14/94	6010
Cadmium	98% Rec	100	ND	10	6/14/94	6010
Chromium	100% Rec	100	ND	10	6/14/94	6010
Lead	97% Rec	99	ND	50	6/14/94	6010
Mercury	---	---	---	0.40	6/16/94	7470
Selenium	97% Rec	100	ND	100	6/14/94	6010
Silver	100% Rec	98	ND	10	6/15/94	6010

PQL = Practical Quantitation Limit
NA = Not Applicable
ND = Not Detected

Note: ICP was calibrated with a blank and one standard at 10 ppm. Mercury was calibrated with a blank and four standards at 0.05, 0.10, 0.30, and 0.50 μg.

Reference: Federal Register, Volume 55, Number 126, June 1990, 40CFR, Method 1311.

EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

LABORATORY NO: 4416-94-5039

Huntingdon

TCLP METAL RESULTS

(All values are in $\mu g/L$ which is equivalent to parts-per-billion)

Client ID:	CCV	CCB	PBW			
TCT ID:						
Parameter				PQL	Test Date	Test Method
Arsenic	99% Rec	ND	ND	100	6/14/94	6010
Barium	102% Rec	ND	ND	10	6/14/94	6010
Cadmium	100% Rec	ND	ND	10	6/14/94	6010
Chromium	100% Rec	ND	ND	10	6/14/94	6010
Lead	99% Rec	ND	ND	50	6/14/94	6010
Mercury	110% Rec	ND	---	0.40	6/16/94	7470
Selenium	101% Rec	ND	ND	100	6/14/94	6010
Silver	99% Rec	ND	ND	10	6/15/94	6010

PQL = Practical Quantitation Limit
NA = Not Applicable
ND = Not Detected

Note: Serial dilution relative percent difference cannot be calculated. Compounds of interest are below reportable levels.

Reference: Federal Register, Volume 55, Number 126, June 1990, 40CFR, Method 1311.

EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

LABORATORY NO: 4416-94-5039

Huntingdon

TCLP METAL RESULTS

(All values are in $\mu g/L$ which is equivalent to parts-per-billion)

Client ID:	ICV	ICB	ICSAB			
TCT ID:						
Parameter				PQL	Test Date	Test Method
Arsenic	98% Rec	ND	95% Rec	100	6/14/94	6010
Barium	101% Rec	ND	92% Rec	10	6/14/94	6010
Cadmium	101% Rec	ND	88% Rec	10	6/14/94	6010
Chromium	101% Rec	ND	90% Rec	10	6/14/94	6010
Lead	101% Rec	ND	102% Rec	50	6/14/94	6010
Mercury	105% Rec	ND	NA	0.40	6/16/94	7470
Selenium	99% Rec	ND	98% Rec	100	6/14/94	6010
Silver	103% Rec	ND	---[1]	10	6/15/94	6010

[1]ICSAB not run for silver

PQL = Practical Quantitation Limit
NA = Not Applicable
ND = Not Detected

Note: Serial dilution relative percent difference cannot be calculated. Compounds of interest are below reportable levels.

Reference: Federal Register, Volume 55, Number 126, June 1990, 40CFR, Method 1311.

EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

LABORATORY NO: 4416-94-5039

Huntingdon

TCLP METAL RESULTS

Client ID: QD3

TCT ID: 25162 MS

Parameter		PQL	Test Date	Test Method
Arsenic	99% Rec	100	6/14/94	200.7
Barium	88% Rec	10	6/14/94	200.7
Cadmium	85% Rec	10	6/14/94	200.7
Chromium	89% Rec	10	6/14/94	200.7
Lead	93% Rec	50	6/14/94	200.7
Mercury	92% Rec	0.40	6/16/94	7470
Selenium	109% Rec	100	6/14/94	200.7
Silver	95% Rec	10	6/15/94	200.7

ND = Not Detected

PQL = Practical Quantitation Limit

Reference: Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, March 1983.

EPA Test Methods for Evaluating Solid Wastes, SW-846, November 1986, 3rd Edition.

Federal Register, Volume 55, Number 126, June 1990, 40CFR, Method 1311.

LABORATORY NO: 4416-94-5039

Huntingdon

TCLP METAL RESULTS

Client ID: QD3

TCT ID: 25162 MSD

Parameter		PQL	Test Date	Test Method
Mercury	9.5% RPD	0.40	6/16/94	7470

ND = Not Detected

PQL = Practical Quantitation Limit

RPD = Relative Percent Difference

Reference: EPA Test Methods for Evaluating Solid Wastes, SW-846, November 1986, 3rd Edition.

Federal Register, Volume 55, Number 126, June 1990, 40CFR, Method 1311.

LABORATORY NO: 4416-94-5039

Huntingdon

TCLP METAL RESULTS

(All values are in $\mu g/L$ which is equivalent to parts-per-billion)

Client ID:	ICSAB	CCV	CCB			
TCT ID:						
Parameter				PQL	Test Date	Test Method
Arsenic	97% Rec	99% Rec	ND	100	6/14/94	6010
Barium	92% Rec	101% Rec	ND	10	6/14/94	6010
Cadmium	90% Rec	101% Rec	ND	10	6/14/94	6010
Chromium	92% Rec	102% Rec	ND	10	6/14/94	6010
Lead	105% Rec	101% Rec	ND	50	6/14/94	6010
Mercury	---	---	---	0.40	6/16/94	7470
Selenium	94% Rec	101% Rec	ND	100	6/14/94	6010
Silver	---[1]	---	---	10	6/15/94	6010

[1]ICSAB not run for silver

PQL = Practical Quantitation Limit
NA = Not Applicable
ND = Not Detected

Note: ICP was calibrated with a blank and one standard at 10 ppm. Mercury was calibrated with a blank and four standards at 0.05, 0.10, 0.30, and 0.50 μg.

Reference: Federal Register, Volume 55, Number 126, June 1990, 40CFR, Method 1311.

EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

LABORATORY NO: 4416-94-5039

TCLP SEMIVOLATILE DATA

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EXTRACTABLES INSTRUMENT RUN LOG

Date 6/6/94 Analyst Signature [signature]

Channel/Inst. No(s). VGTR102C Column(s) #82DB5-MS Calibration File No(s). 4157R

Document maintenance on lines below:

Method 8270 (TCLP)

Pos. No.	Data File No.	Sample No.	Client/Job No.	Injection Vol.	Dilution	Remarks
maint: cleaned & silanized injection liner & seal, cylaned septa, clipped column						
	4157R01	Heptacosa	—	—	—	Static Cal
	02	Heptacosa	—	—	—	Dynamic Cal
	03	496-51-1	—	2 µL	—	50 ng DFTPP
	04	496-51-1	—	2 µL	—	50 ng DFTPP
	05	496-4-2	—	2 µL	—	50 ng TCLP Std
	06	496-4-1	—	2 µL	—	20 ng TCLP Std
	07	496-4-3	—	2 µL	—	80 ng TCLP Std
	08	496-4-4	—	2 µL	—	120 ng TCLP Std
	09	496-4-5	—	2 µL	—	160 ng TCLP Std
	10	Blank	EEI	2 µL	—	6/6/94
	11	496-51-1	—	2 µL	—	50 ng DFTPP
	12	496-4-2	—	2 µL	—	50 ng TCLP Std
	13	LCS	EEI	2 µL	—	6/6/94
	14	LCSD	EEI	2 µL	—	6/6/94
	15	GS-C304-101	EEI	2 µL	—	6/6/94
	16	QD1	EEI	2 µL	—	6/6/94
	17	QD2	EEI	2 µL	—	6/6/94
	18	QD3	EEI	2 µL	—	6/6/94
	19	GS-C304-102	EEI	2 µL	—	6/6/94
	20	GS-C304-103	EEI	2 µL	—	6/6/94
	21	GS-C304-104 DL2	EEI	2 µL	1:100	6/6/94
	22	GS-C304-104 DL1	EEI	2 µL	1:10	6/6/94
	23	GS-C30-104	EEI	2 µL	—	6/6/94

Peer Review/Date

C-262 (5/94)

Huntingdon

TCLP

METHOD 3510/8270A EXTRACTION SHEET - WATERS

Batch No(s). _____

Date Extracted: 6-5-94 H_2O Polished: ✓ 10N NaOH: 4-13-94 (Date/Initials)

Extracted By: DR $MeCL_2$ Lot: H01305-94050 (1:1 V/V) H_2SO_4: 4-4-94 (Date/Initials)

Reviewed By: [signature] Na_2SO_4 Lot: F44752 Concentrated By/Date: DR 6-6

HSN	HPN	Init DR Sample Wt. (mL)	Init DR Surr. 500 µL	Init DR Spike 500 µL	Init DR pH 1st/2nd/3rd	Init DR Date 6-6-94 F.V.(mL)
GS-C304-101	Ecol + Environ	200.0	✓		5/2/12	1.0
GS-C4-102		200.0	✓		5/2/12	1.0
GS-C6-103		200.0	✓		5/2/12	1.0
GS-B6-104		200.0	✓		5/2/12	1.0
QD1		200.0	✓		7/2/12	1.0
QD2		200.0	✓		7/2/12	1.0
QD3		200.0	✓		12/2/12	1.0
					/ /	
					/ /	
					/ /	
					/ /	
					/ /	
					/ /	
					/ /	
					/ /	
					/ /	
LCS		200.0	✓	4	5/2/12	1.0
LCSD		200.0	✓	4	5/2/12	1.0
BLANK		200.0	✓		5/2/12	1.0

Comments: added 10µL IS 4915-42-15 DZ 6/6/94
DZ entry error 6/6/94

Surrogate ID: 454-45-01 Conc.: Acid 150 µg/mL B/N 100 µg/mL Amount: 500 µL

Spike ID: 454-46-01 Conc.: ~~Acid 150~~ TCLP µg/mL 130 ~~B/N 100 µg/mL~~ Amount: 500 µL

Extracts:
Relinquished By: DR 6-6-94 Received By: [signature] Date: 6/6/94

C-249 (4/94)

last IS

DZ 6/7/94

QUAN DB : 415/K18 LAB-BASE QUAN 06/07/94 11:12

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.97	1.00	1096	-1	95	97	1301161	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	11.10	0.74	709	1	96	97	3942401	bv	112	2-Fluorophenol	78.2	S
3	13.74	0.92	973	1	97	98	3333115	vv	99	Phenol-d5	54.4	S
4	7.34	0.49	0	0	0	0	0		79	Pyridine	0.0	
5	15.02	1.00	0	0	0	0	0		146	1,4-Dichlorobenzene	0.0	CC
6	15.62	1.04	0	0	0	0	0		108	2-Methyphenol	0.0	
7	16.09	1.07	1208	-1	32	60	3680	bb	108	3 & 4-Methylphenol	0.1	
8	16.55	1.11	0	0	0	0	0		117	Hexachloroethane	0.0	
9	14.27	0.95	1026	1	95	97	5752748	bv	132	2-Chlorophenol-d4	113.0	S
10	15.44	1.03	0	0	0	0	0		152	1,2-Dichlorobenzene-d4	0.0	S
11	18.99	1.27	1498	1	93	96	4996830	bv	136	Naphthalene-d8	40.0	I
12	16.68	0.88	1267	0	94	96	4509188	vv	82	Nitrobenzene-d5	89.6	S
13	16.74	0.88	0	0	0	0	0		77	Nitrobenzene	0.0	
14	19.42	1.02	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
15	24.78	1.31	2077	-1	85	96	2838880	vv	164	Acenaphthene-d10	40.0	I
16	22.50	0.91	1849	1	92	97	6172217	vv	172	2-Fluorobiphenyl	70.6	S
17	27.39	1.11	2338	1	86	97	1577980	vv	330	2,4,6-Tribromophenol	150.8	S
18	22.20	0.90	1819	0	48	87	16185	bv	196	2,4,6-Trichlorophenol	0.7	CC
19	22.31	0.90	1830	0	58	94	31327	vv	196	2,4,5-Trichlorophenol	1.3	
20	25.30	1.02	2129	-4	28	74	724	!!	165	2,4-Dinitrotoluene	0.0	
21	29.74	1.20	2573	0	89	94	4466673	vv	188	Phenanthrene-d10	40.0	I
22	28.43	0.96	0	0	0	0	0		284	Hexachlorobenzene	0.0	
23	29.04	0.98	2503	0	18	86	19704	vv	266	Pentachlorophenol	1.7	CC
24	38.53	1.30	3456	1	79	89	1628430	vv	240	Chrysene-d12	40.0	I
25	34.99	0.91	3097	0	83	93	7551320	vv	244	Terphenyl-d14	137.6	S
26	43.63	1.13	3961	-1	54	85	412956	M	264	Perylene-d12	40.0	I

Datafile : 415/K18

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	698627	1301161	2794506
Naphthalene-d8	3114988	4996630	12459950
Acenaphthene-d10	1594404	2833880	6377614
Phenanthrene-d10	2601042	4466673	10404168
Chrysene-d12	1326643	1628430	5306570
Perylene-d12	660645	412956	2642580**** NA

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	14.97	14.97
Naphthalene-d8	18.99	18.99
Acenaphthene-d10	24.79	24.78
Phenanthrene-d10	29.75	29.74
Chrysene-d12	36.57	36.58
Perylene-d12	43.63	43.63

Surrogate Recoveries

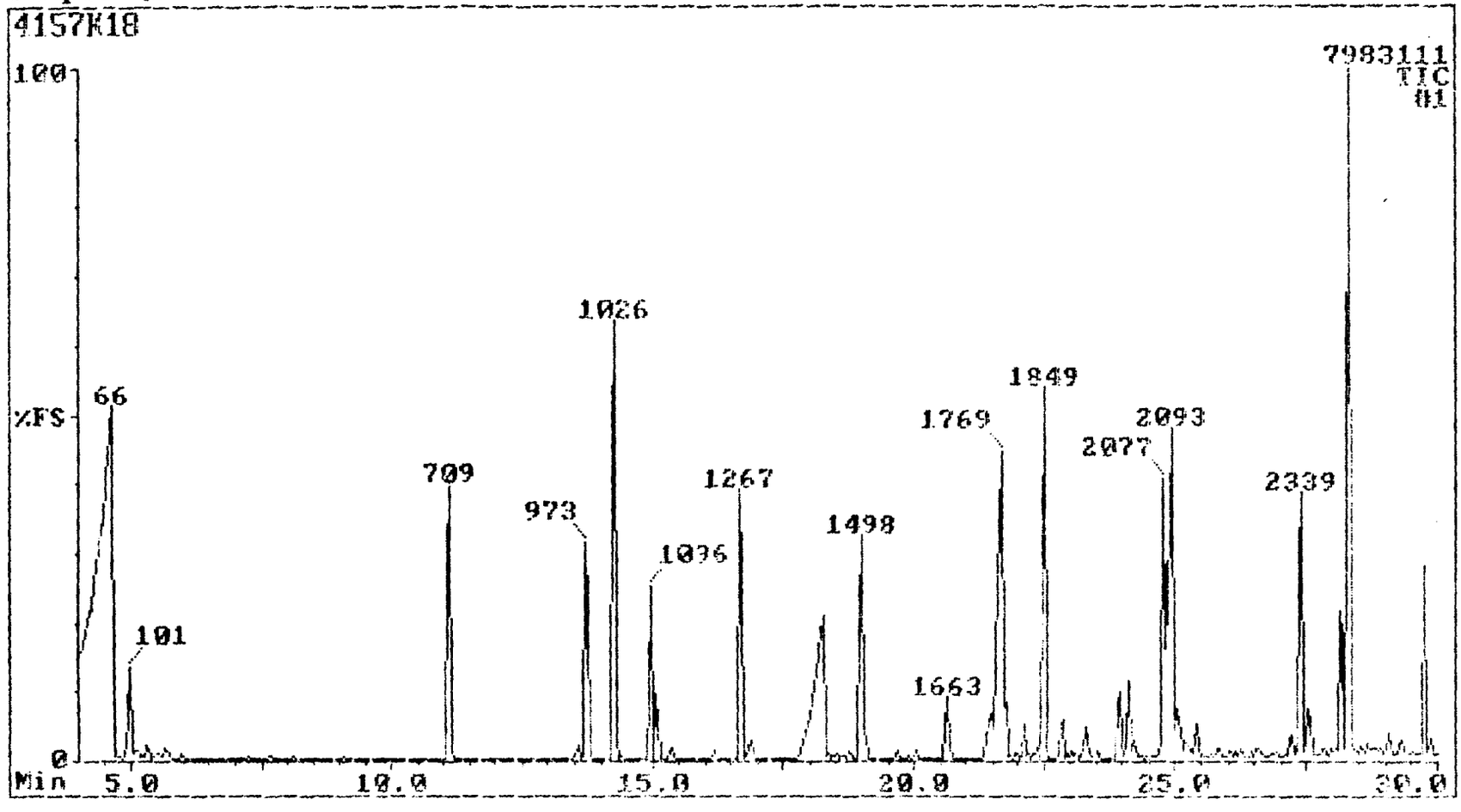
COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	78.1737	52.1	(25-121)	(21-110)	bv	3942401
Phenol-d5	54.3502	36.2	(24-113)	(10-110)	vv	3333115
2-Chlorophenol-d4	112.9648	75.3	(20-130)	(33-110)	bv	5752748
1,2-Dichlorobenzene-d4	0.0000	* 0.0	(20-130)	(16-110)		0
Nitrobenzene-d5	89.6283	89.6	(23-120)	(35-114)	vv	4509188
2-Fluorobiphenyl	70.6407	70.6	(30-115)	(43-116)	vv	6172217
2,4,6-Tribromophenol	150.8075	100.5	(19-122)	(10-123)	vv	1577980
Terphenyl-d14	137.5618	137.6	(18-137)	(33-141)	vv	7551320

Interim Report LAB-BASE FIND 06/07/94 08:47

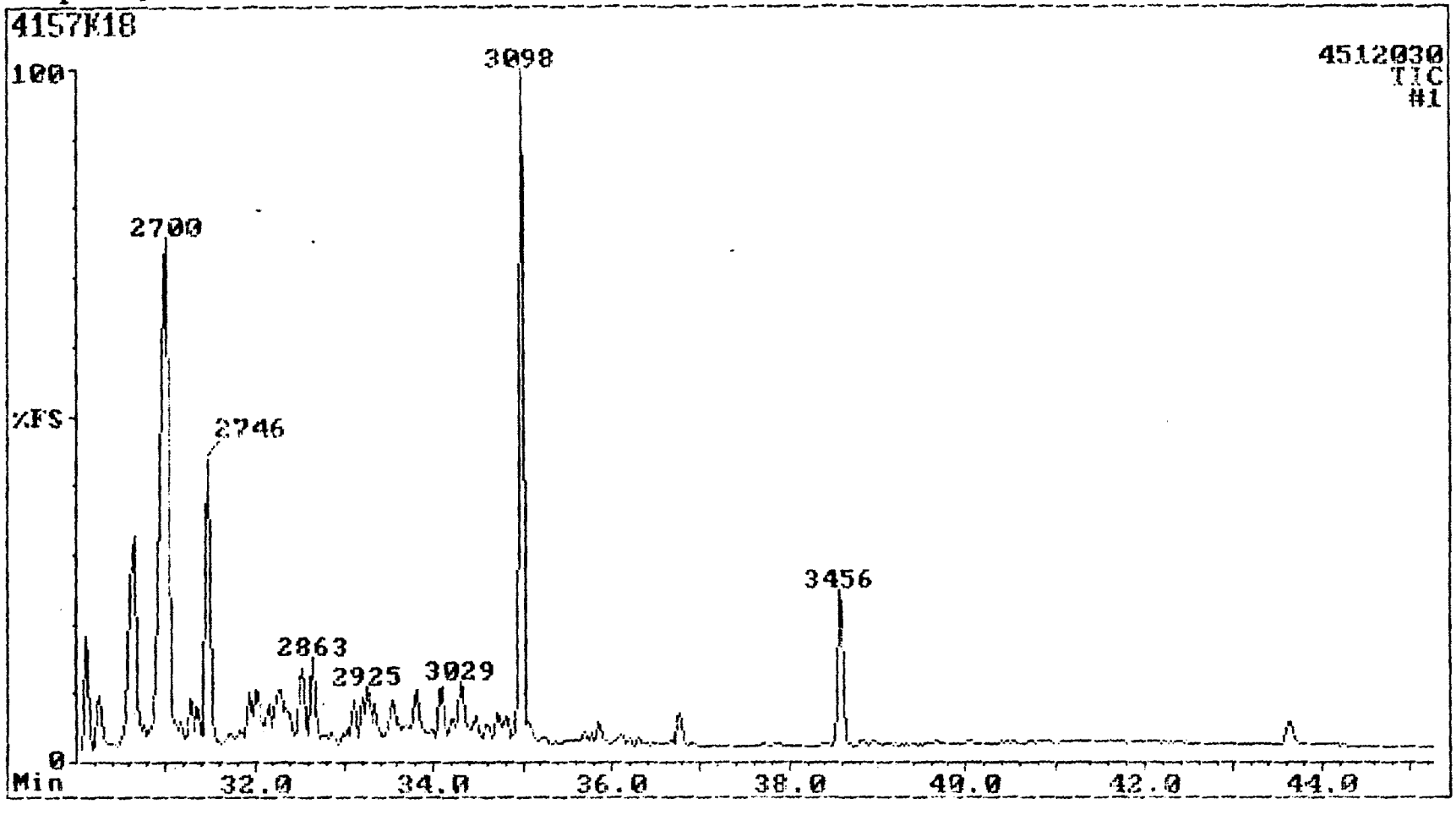
Raw Datafile : 4157K18 Quan DB : 4157K18
Find DB : TCLP8270 Scan DB : 4157K18

No.	Spectrum MAT	Scan FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	95	97	-1	1301161	bv	1096	1097	152	1,4-Dichlorobenzene-d4
2	100	96	97	1	3942401	bv	709	708	112	2-Fluorophenol
3	100	97	98	1	3333115	vv	973	972	99	Phenol-d5
4	*** No Trace Found ***					*		333	79	Pyridine
5	*** No Trace Found ***							1101	146	1,4-Dichlorobenzene
6	*** No Trace Found ***							1161	108	2-Methyphenol
7	55	32	60	-1	3880	bb	1208	1209	108	3 & 4-Methylphenol
8	*** No Trace Found ***							1254	117	Hexachloroethane
9	100	95	97	1	5752748	bv	1026	1025	132	2-Chlorophenol-d4
10	*** No Trace Found ***					*		1143	152	1,2-Dichlorobenzene-d4
11	100	93	96	1	4996830	bv	1498	1497	136	Naphthalene-d8
12	100	94	96	0	4509188	vv	1267	1267	82	Nitrobenzene-d5
13	*** No Trace Found ***					*		1274	77	Nitrobenzene
14	*** No Trace Found ***							1542	225	Hexachlorobutadiene
15	100	85	96	-1	2838880	vv	2077	2078	164	Acenaphthene-d10
16	100	92	97	1	6172217	vv	1849	1848	172	2-Fluorobiphenyl
17	100	86	97	1	1577980	vv	2338	2337	330	2,4,6-Tribromophenol
18	84	48	87	0	16185	bv	1819	1819	196	2,4,6-Trichlorophenol
19	95	58	94	0	31327	vv	1830	1830	196	2,4,5-Trichlorophenol
20	50	28	74	-4	724	!!	2129	2133	165	2,4-Dinitrotoluene
21	100	89	94	0	4466673	vv	2573	2573	188	Phenanthrene-d10
22	*** No Trace Found ***							2441	284	Hexachlorobenzene
23	65	18	86	0	19704	vv	2503	2503	266	Pentachlorophenol
24	100	79	89	1	1628430	vv	3456	3455	240	Chrysene-d12
25	100	83	93	0	7551320	vv	3097	3097	244	Terphenyl-d14
26	82	54	85	-1	401164	vv	3961	3962	264	Perylene-d12

File:4157K18 06/06/94 22:50 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:QD3 6/6/94 HPN:



File:4157K18 06/06/94 22:50 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:QD3 6/6/94 HPN:



last IS 6/7/94

QUAN DB : 415/K17 LAB-BASE QUAN 06/07/94 11:11

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.96	1.00	1096	-1	95	97	1273895	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	11.09	0.74	709	1	96	97	3877686	bv	112	2-Fluorophenol	78.5	S
3	13.73	0.92	973	1	97	98	3223926	bv	99	Phenol-d5	53.7	S
4	7.34	0.49	0	0	0	0	0		79	Pyridine	0.0	
5	15.02	1.00	0	0	0	0	0		146	1,4-Dichlorobenzene	0.0	CC
6	15.62	1.04	0	0	0	0	0		108	2-Methyphenol	0.0	
7	16.07	1.07	1207	-2	75	92	22246	bb	108	3 & 4-Methylphenol	0.4	
8	16.53	1.11	0	0	0	0	0		117	Hexachloroethane	0.0	
9	14.26	0.95	1026	1	96	97	5904541	bv	132	2-Chlorophenol-d4	118.4	S
10	15.44	1.03	0	0	0	0	0		152	1,2-Dichlorobenzene-d4	0.0	S
11	18.98	1.27	1498	1	93	96	4895017	bv	136	Naphthalene-d8	40.0	I
12	16.67	0.83	1267	0	94	96	4543581	vv	82	Nitrobenzene-d5	92.2	S
13	16.74	0.88	0	0	0	0	0		77	Nitrobenzene	0.0	
14	19.42	1.02	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
15	24.78	1.31	2077	-1	85	96	2772961	bv	164	Acenaphthene-d10	40.0	I
16	22.50	0.91	1849	1	93	97	6350107	bv	172	2-Fluorobiphenyl	74.4	S
17	27.40	1.11	2339	2	85	97	1573115	bv	330	2,4,6-Tribromophenol	153.9	S
18	22.19	0.90	1819	0	76	97	54048	bv	196	2,4,6-Trichlorophenol	2.5	CC
19	22.31	0.90	1830	0	66	94	29713	vb	196	2,4,5-Trichlorophenol	1.3	
20	25.32	1.02	2131	-2	26	72	396	!b	165	2,4-Dinitrotoluene	0.0	
21	29.74	1.20	2573	0	90	95	4323613	vv	188	Phenanthrene-d10	40.0	I
22	28.43	0.96	0	0	0	0	0		284	Hexachlorobenzene	0.0	
23	29.05	0.98	2504	1	39	95	71679	vv	266	Pentachlorophenol	6.3	CC
24	38.57	1.30	3456	1	81	89	1776135	bv	240	Chrysene-d12	40.0	I
25	34.99	0.91	3098	1	84	93	7792315	vv	244	Terphenyl-d14	130.1	S
26	43.63	1.13	3962	0	56	81	430559	M	264	Perylene-d12	40.0	I

Datafile : 4157K17

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	698627	1273895	2794506
Naphthalene-d8	3114988	4895017	12459950
Acenaphthene-d10	1594404	2772961	6377614
Phenanthrene-d10	2601042	4323613	10404168
Chrysene-d12	1326643	1776135	5306570
Perylene-d12	660645	430559	2642580**** NA

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	14.97	14.96
Naphthalene-d8	18.99	18.98
Acenaphthene-d10	24.79	24.78
Phenanthrene-d10	29.75	29.74
Chrysene-d12	38.57	38.57
Perylene-d12	43.63	43.63

Surrogate Recoveries

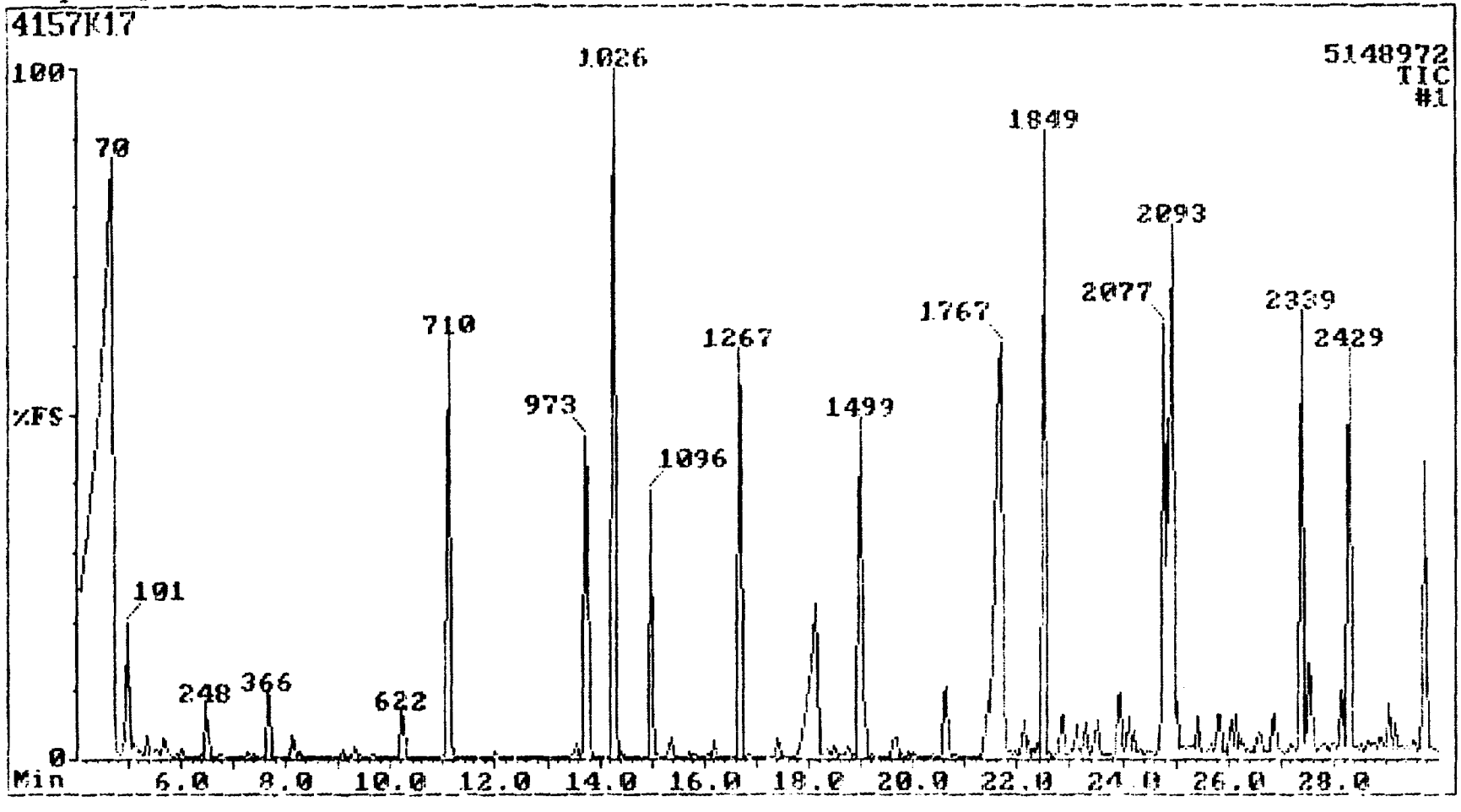
COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	78.5362	52.4	(25-121)	(21-110)	bv	3877686
Phenol-d5	53.6950	35.8	(24-113)	(10-110)	bv	3223926
2-Chlorophenol-d4	118.4272	79.0	(20-130)	(33-110)	bv	5904541
1,2-Dichlorobenzene-d4	0.0000	0.0	(20-130)	(16-110)		0
Nitrobenzene-d5	92.1903	92.2	(23-120)	(35-114)	vv	4543581
2-Fluorobiphenyl	74.4043	74.4	(30-115)	(43-116)	bv	6350107
2,4,6-Tribromophenol	153.9165	102.6	(19-122)	(10-123)	bv	1573115
Terphenyl-d14	130.1471	130.1	(18-137)	(33-141)	vv	7792315

Interim Report LAB-BASE FIND 06/07/94 08:47

Raw Datafile : 4157K17 Quan DB : 4157K17
Find DB : TCLP8270 Scan DB : 4157K17

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	95	97	-1	1273895	bv	1096	1097	152	1,4-Dichlorobenzene-d4
2	100	96	97	1	3877636	bv	709	708	112	2-Fluorophenol
3	100	97	98	1	3223926	bv	973	972	99	Phenol-d5
4	*** No Trace Found ***					*		334	79	Pyridine
5	*** No Trace Found ***							1101	146	1,4-Dichlorobenzene
6	*** No Trace Found ***							1161	108	2-Methyphenol
7	93	75	92	-2	22246	bb	1207	1209	108	3 & 4-Methylphenol
8	*** No Trace Found ***							1254	117	Hexachloroethane
9	100	96	97	1	5904541	bv	1026	1025	132	2-Chlorophenol-d4
10	*** No Trace Found ***					*		1143	152	1,2-Dichlorobenzene-d4
11	100	93	96	1	4895017	bv	1498	1497	136	Naphthalene-d8
12	100	94	96	0	4543581	vv	1267	1267	82	Nitrobenzene-d5
13	*** No Trace Found ***					*		1274	77	Nitrobenzene
14	*** No Trace Found ***							1542	225	Hexachlorobutadiene
15	100	85	96	-1	2772961	bv	2077	2078	164	Acenaphthene-d10
16	100	93	97	1	6350107	bv	1849	1848	172	2-Fluorobiphenyl
17	100	85	97	2	1573115	bv	2339	2337	330	2,4,6-Tribromophenol
18	100	76	97	0	54048	bv	1819	1819	196	2,4,6-Trichlorophenol
19	100	66	94	0	29713	vb	1830	1830	196	2,4,5-Trichlorophenol
20	55	26	72	-2	396	!b	2131	2133	165	2,4-Dinitrotoluene
	50	23	62	1	105	bb	2134			
	49	27	73	-4	444	!!	2129			
21	100	90	95	0	4323613	vv	2573	2573	188	Phenanthrene-d10
22	*** No Trace Found ***							2441	284	Hexachlorobenzene
23	79	39	95	1	71679	vv	2504	2503	266	Pentachlorophenol
24	100	81	89	1	1776135	bv	3456	3455	240	Chrysene-d12
25	100	84	93	1	7792315	vv	3098	3097	244	Terphenyl-d14
26	86	56	81	0	412342	vv	3962	3962	264	Perylene-d12

File:4157K17 06/06/94 21:53 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:QD2 6/6/94 HPN:



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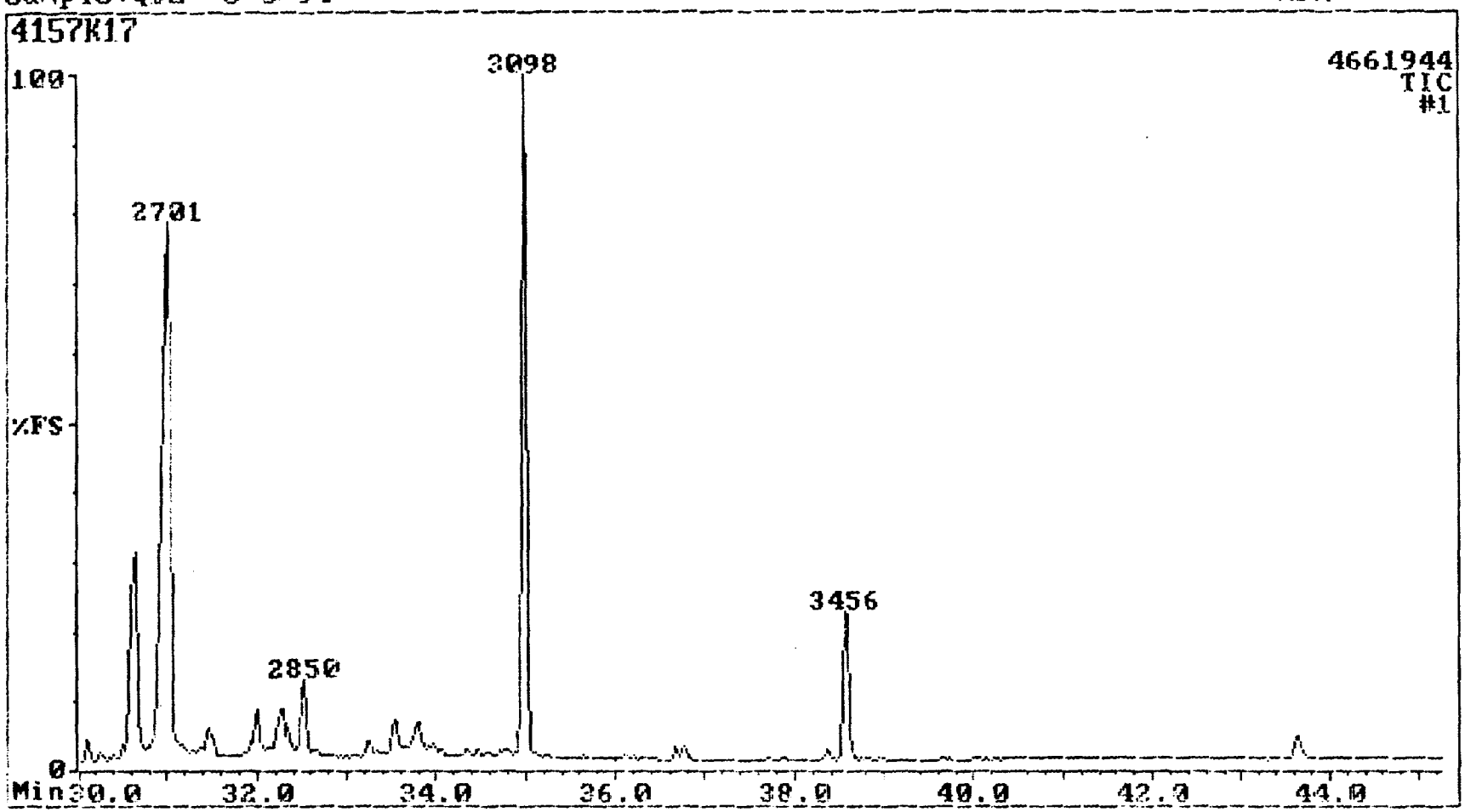
Sample:QD2 6/6/94 HPN:



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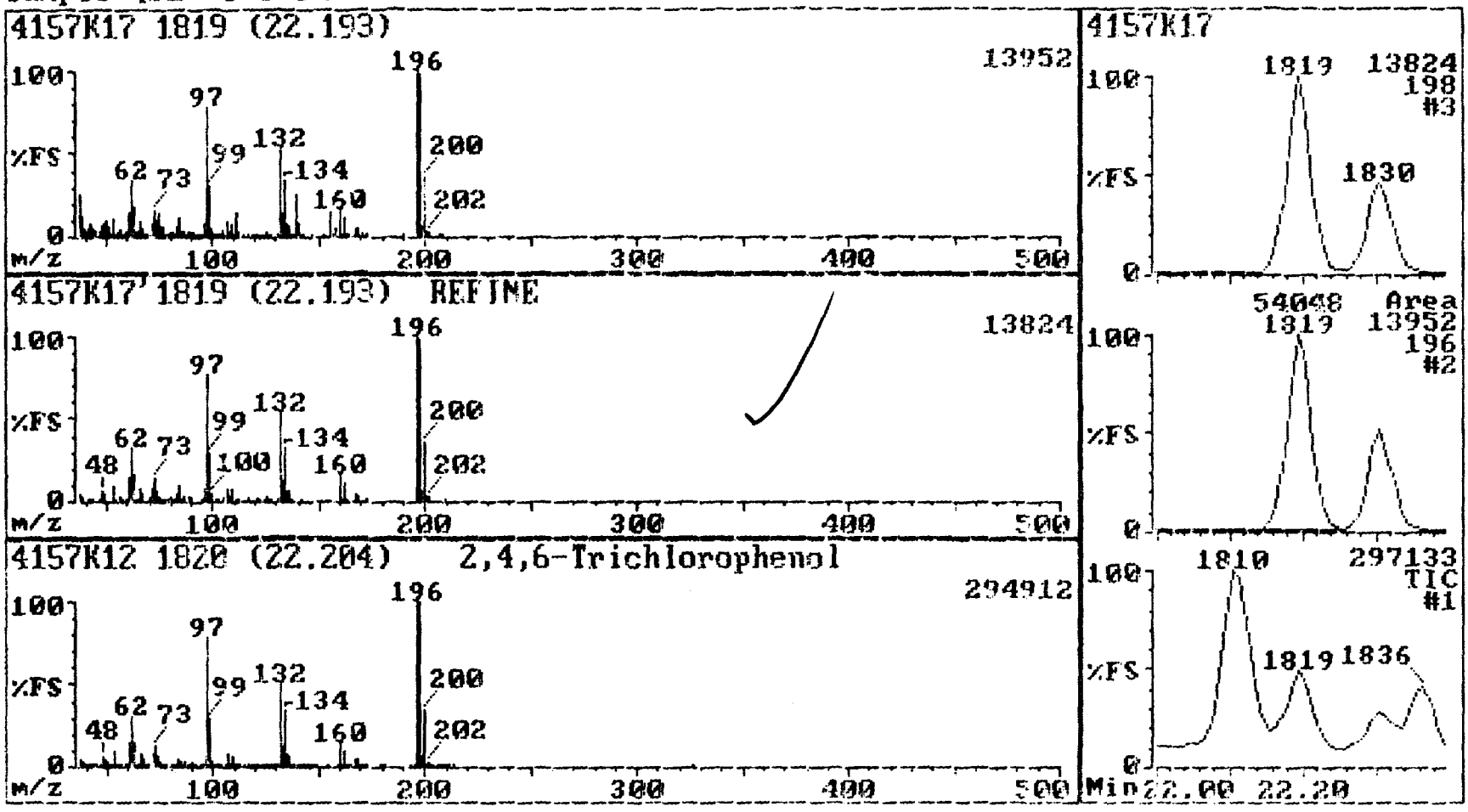
Sample:QD2 6/6/94 HPN:



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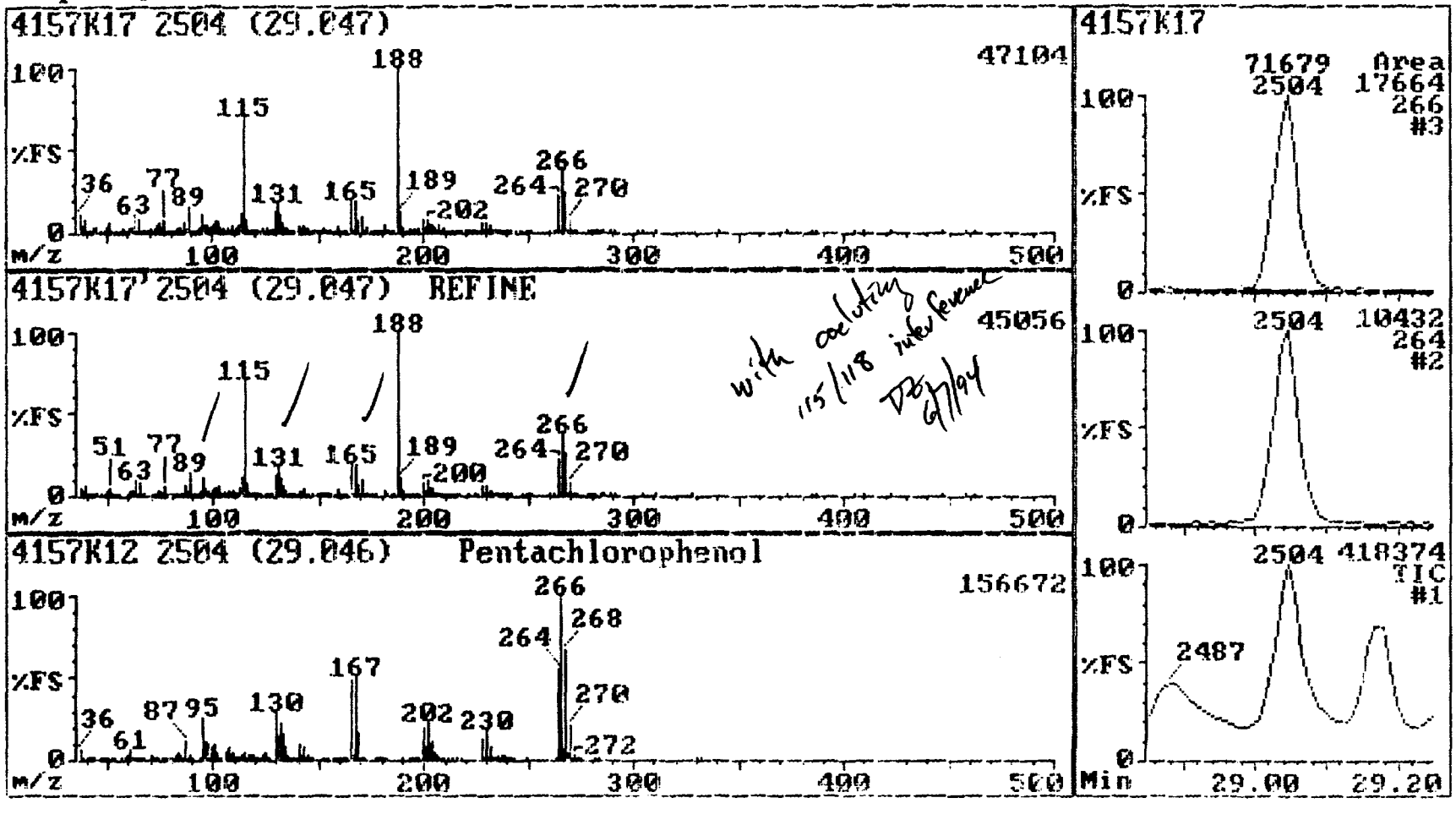
Sample:QD2 6/6/94 HPN:



last JS

DZ 6/7/94

QUAN DB : 4157K16 LAB-BASE QUAN 06/07/94 11:10

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.96	1.00	1096	-1	96	97	1314610	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	11.09	0.74	709	1	96	97	3465462	bv	112	2-Fluorophenol	**68.0**	S
3	13.73	0.92	973	1	95	97	2752783	bv	99	Phenol-d5	**44.4**	S
4	7.34	0.49	0	0	0	0	0		79	Pyridine	0.0	
5	15.02	1.00	0	0	0	0	0		146	1,4-Dichlorobenzene	0.0	CC
6	15.62	1.04	0	0	0	0	0		108	2-Methyphenol	0.0	
7	16.10	1.08	0	0	0	0	0		108	3 & 4-Methylphenol	0.0	
8	16.53	1.11	0	0	0	0	0		117	Hexachloroethane	0.0	
9	14.26	0.95	1026	1	96	97	5542956	bv	132	2-Chlorophenol-d4	107.7	S
10	15.44	1.03	0	0	0	0	0		152	1,2-Dichlorobenzene-d4	0.0	S
11	18.99	1.27	1499	2	92	96	5092316	bv	136	Naphthalene-d8	40.0	I
12	16.67	0.88	1267	-1	94	96	4431635	vv	82	Nitrobenzene-d5	86.4	S
13	16.74	0.88	0	0	0	0	0		77	Nitrobenzene	0.0	
14	19.42	1.02	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
15	24.77	1.30	2077	-2	83	96	2789056	bv	164	Acenaphthene-d10	40.0	I
16	22.50	0.91	1850	2	93	97	6382566	bb	172	2-Fluorobiphenyl	74.4	S
17	27.40	1.11	2339	2	87	97	1357598	vv	330	2,4,6-Tribromophenol	132.1	S
18	22.19	0.90	1819	0	52	84	10588	bb	196	2,4,6-Trichlorophenol	0.5	CC
19	22.30	0.90	1830	0	47	83	9762	bb	196	2,4,5-Trichlorophenol	0.4	
20	25.31	1.02	2130	-3	24	65	445	b!	165	2,4-Dinitrotoluene	0.0	
21	29.75	1.20	2574	1	91	95	4459763	bv	188	Phenanthrene-d10	40.0	I
22	28.43	0.96	0	0	0	0	0		284	Hexachlorobenzene	0.0	
23	25.05	0.98	2504	0	18	82	8635	bb	266	Pentachlorophenol	0.7	CC
24	38.53	1.30	3457	1	82	88	2189815	bv	240	Chrysene-d12	40.0	I
25	34.99	0.91	3098	0	85	93	7468387	bb	244	Terphenyl-d14	101.2	S
26	43.65	1.13	3964	1	65	81	631326	M	264	Perylene-d12	40.0	I

Datafile : 4157K16

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	698627	1314610	2794506
Naphthalene-d8	3114988	5092316	12459950
Acenaphthene-d10	1594404	2789056	6377614
Phenanthrene-d10	2601042	4459763	10404168
Chrysene-d12	1326643	2189815	5306570
Perylene-d12	660645	631326	2642580**** NA

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	14.97	14.96
Naphthalene-d8	18.99	18.99
Acenaphthene-d10	24.79	24.78
Phenanthrene-d10	29.75	29.75
Chrysene-d12	38.57	38.58
Perylene-d12	43.63	43.65

Surrogate Recoveries

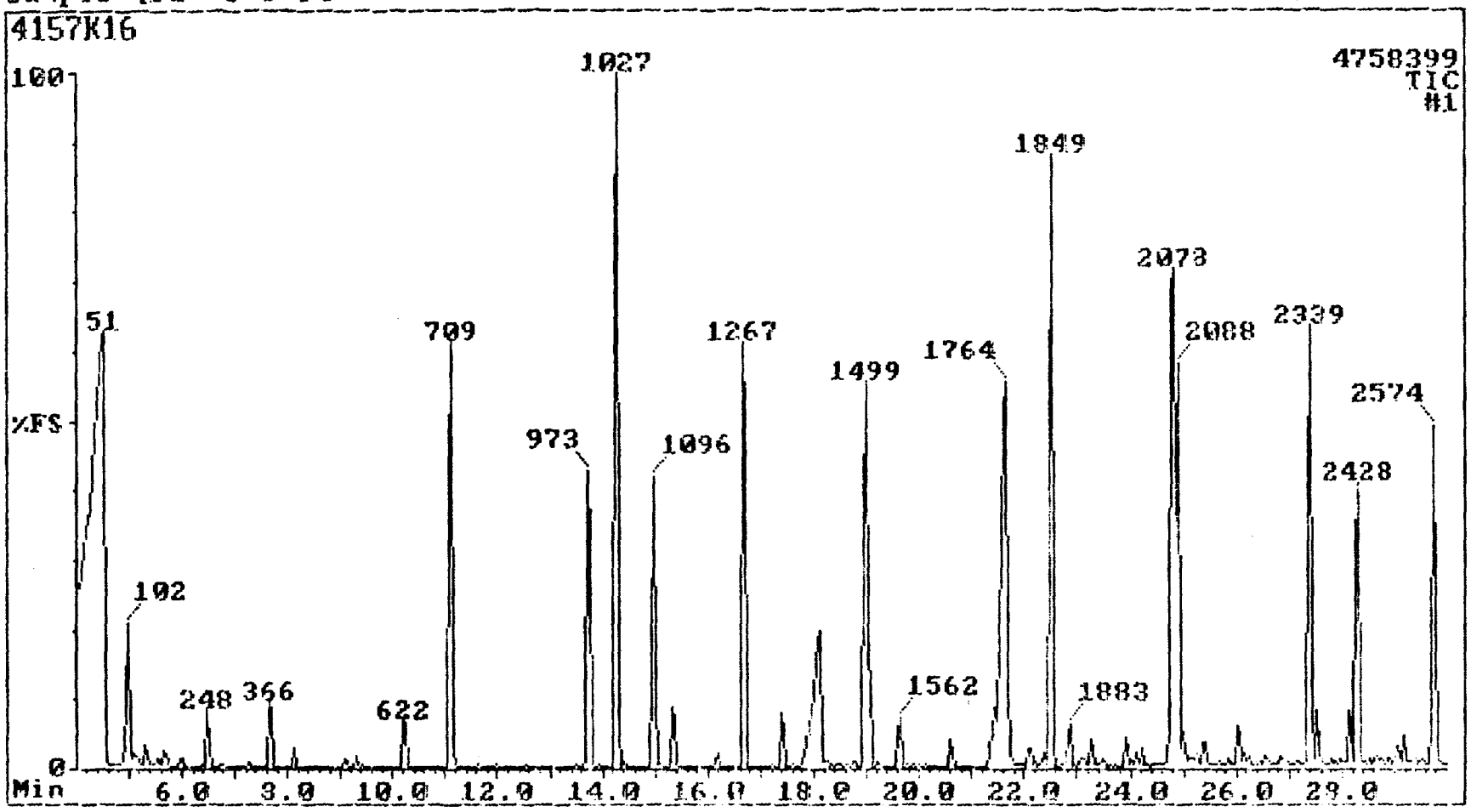
COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	68.0135	45.3	(25-121)	(21-110)	bv	3465462
Phenol-d5	44.4280	29.6	(24-113)	(10-110)	bv	2752783
2-Chlorophenol-d4	107.7317	71.8	(20-130)	(33-110)	bv	5542956
1,2-Dichlorobenzene-d4	0.0000	NR 0.0	(20-130)	(16-110)		0
Nitrobenzene-d5	86.4351	86.4	(23-120)	(35-114)	vv	4431635
2-Fluorobiphenyl	74.3530	74.4	(30-115)	(43-116)	bb	6382566
2,4,6-Tribromophenol	132.0634	88.0	(19-122)	(10-123)	vv	1357598
Terphenyl-d14	101.1727	101.2	(18-137)	(33-141)	bb	7468387

Interim Report LAB-BASE FIND 06/07/94 08:46

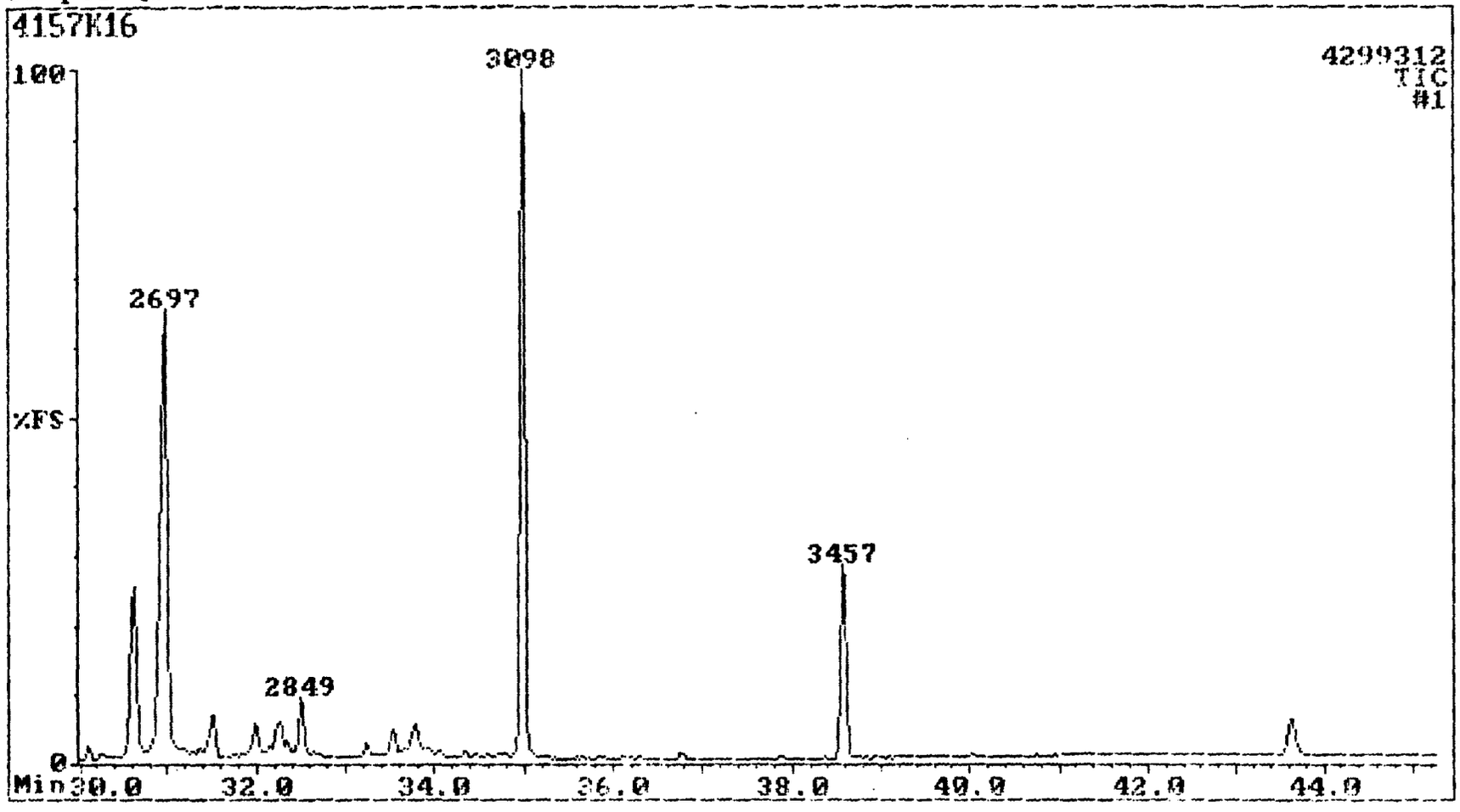
Raw Datafile : 4157K16 Quan DB : 4157K16
Find DB : TCLP8270 Scan DB : 4157K16

No.	Spectrum MAT	Scan FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	GM	Compound Name
1	100	96	97	-1	1314610	bb	1096	1097	152	1,4-Dichlorobenzene-d4
2	100	96	97	1	3465462	bv	709	708	112	2-Fluorophenol
3	100	95	97	1	2752783	bv	973	972	99	Phenol-d5
4	*** No Trace Found ***					*		334	79	Pyridine
5	*** No Trace Found ***							1101	146	1,4-Dichlorobenzene
6	*** No Trace Found ***							1161	108	2-Methyphenol
7	*** No Trace Found ***							1209	108	3 & 4-Methylphenol
8	*** No Trace Found ***							1254	117	Hexachloroethane
9	100	96	97	1	5542956	bv	1026	1025	132	2-Chlorophenol-d4
10	*** No Trace Found ***					*		1143	152	1,2-Dichlorobenzene-d4
11	100	92	96	2	5092316	bv	1499	1497	136	Naphthalene-d8
12	100	94	96	-1	4431635	vv	1267	1268	82	Nitrobenzene-d5
13	*** No Trace Found ***					*		1275	77	Nitrobenzene
14	*** No Trace Found ***							1543	225	Hexachlorobutadiene
15	100	83	96	-2	2789056	bv	2077	2079	164	Acenaphthene-d10
16	100	93	97	2	6382566	bb	1850	1848	172	2-Fluorobiphenyl
17	100	87	97	2	1357598	vv	2339	2337	330	2,4,6-Tribromophenol
18	85	52	84	0	10588	bb	1819	1819	196	2,4,6-Trichlorophenol
19	81	47	83	0	9762	bb	1830	1830	196	2,4,5-Trichlorophenol
20	47	24	65	-3	445	b!	2130	2133	165	2,4-Dinitrotoluene
	43	25	67	-5	89	bb	2128			
21	100	91	95	1	4459763	bv	2574	2573	188	Phenanthrene-d10
22	*** No Trace Found ***					*		2442	284	Hexachlorobenzene
23	63	18	82	0	8635	bb	2504	2504	266	Pentachlorophenol
24	100	82	88	1	2189815	bv	3457	3456	240	Chrysene-d12
25	100	85	93	0	7468387	bb	3098	3098	244	Terphenyl-d14
26	86	65	81	1	322764	!v	3964	3963	264	Perylene-d12

File:4157K16 06/06/94 20:56 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:QD1 6/6/94 HPN:



File:4157K16 06/06/94 20:56 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:QD1 6/6/94 HPN:



QUAN DB : 4157K14 LAB-BASE QUAN 06/07/94 11:05

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.96	1.00	1096	-1	94	97	1272962	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	11.09	0.74	709	1	96	97	3750277	bv	112	2-Fluorophenol	76.0	S
3	13.72	0.92	972	0	97	97	3050343	bv	99	Phenol-d5	50.8	S
4	7.34	0.49	334	0	98	99	4230656	b?	79	Pyridine	74.6	
5	15.01	1.00	1101	0	95	96	3908225	bv	146	1,4-Dichlorobenzene	74.9	CC
6	15.62	1.04	1162	1	96	97	5015313	bv	108	2-Methyphenol	99.8	
7	16.11	1.08	1211	2	96	97	9333666	vv	108	3 & 4-Methylphenol	181.9	
8	16.55	1.11	1255	1	96	97	1365607	bb	117	Hexachloroethane	62.4	
9	14.26	0.95	1026	1	96	97	5617064	bv	132	2-Chlorophenol-d4	112.7	S
10	15.44	1.03	0	0	0	0	0		152	1,2-Dichlorobenzene-d4	0.0	S
11	18.98	1.27	1498	1	92	95	4918663	bv	136	Naphthalene-d8	40.0	I
12	16.67	0.88	1267	0	92	96	4390644	vv	82	Nitrobenzene-d5	88.7	S
13	16.74	0.88	1274	0	95	96	6202761	bv	77	Nitrobenzene	124.5	
14	19.41	1.02	1541	-1	93	97	1185671	bb	225	Hexachlorobutadiene	73.3	CC
15	24.77	1.31	2077	-1	94	95	2773774	bv	164	Acenaphthene-d10	40.0	I
16	22.49	0.91	1849	1	92	97	5850825	bv	172	2-Fluorobiphenyl	68.5	S
17	27.39	1.11	2338	1	87	97	1418956	bv	330	2,4,6-Tribromophenol	138.8	S
18	22.19	0.90	1819	0	92	97	2674777	bv	196	2,4,6-Trichlorophenol	121.7	CC
19	22.31	0.90	1831	1	91	97	2763440	vv	196	2,4,5-Trichlorophenol	118.3	
20	25.34	1.02	2134	1	93	96	2670498	bv	165	2,4-Dinitrotoluene	119.5	
21	29.74	1.20	2573	0	91	94	4535543	bv	188	Phenanthrene-d10	40.0	I
22	28.43	0.96	2443	2	87	92	2709003	bv	284	Hexachlorobenzene	123.5	
23	29.06	0.98	2505	2	82	95	1691464	bv	266	Pentachlorophenol	141.7	CC
24	38.57	1.30	3456	1	81	87	1901876	bv	240	Chrysene-d12	40.0	I
25	34.98	0.91	3097	0	86	93	7294723	bv	244	Terphenyl-d14	113.8	S
26	43.63	1.13	3962	0	65	82	864550	bb	264	Perylene-d12	40.0	I

Datafile : 4157K14

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	698627	1272962	2794506
Naphthalene-d8	3114988	4918663	12459950
Acenaphthene-d10	1594404	2773774	6377614
Phenanthrene-d10	2601042	4535543	10404168
Chrysene-d12	1326643	1901876	5306570
Perylene-d12	660645	864550	2642580

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	14.97	14.96
Naphthalene-d8	18.99	18.98
Acenaphthene-d10	24.79	24.78
Phenanthrene-d10	29.75	29.74
Chrysene-d12	38.57	38.57
Perylene-d12	43.63	43.63

Surrogate Recoveries

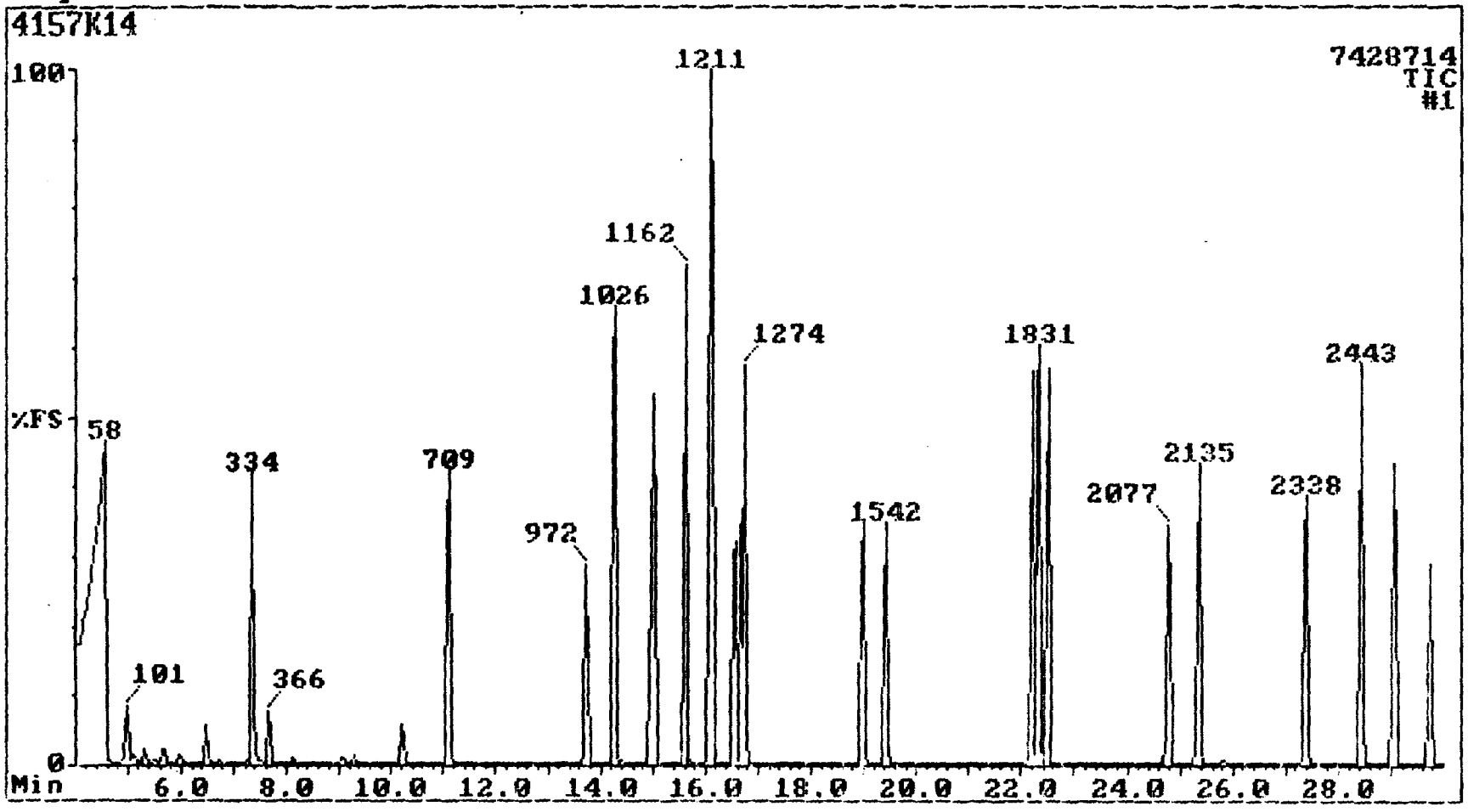
COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	76.0114	50.7	(25-121)	(21-110)	bv	3750277
Phenol-d5	50.8411	33.9	(24-113)	(10-110)	bv	3050343
2-Chlorophenol-d4	112.7438	75.2	(20-130)	(33-110)	bv	5617064
1,2-Dichlorobenzene-d4	0.0000	NA 0.0	(20-130)	(16-110)		0
Nitrobenzene-d5	88.6589	88.7	(23-120)	(35-114)	vv	4390644
2-Fluorobiphenyl	68.5341	68.5	(30-115)	(43-116)	bv	5350825
2,4,6-Tribromophenol	138.7926	92.5	(19-122)	(10-123)	bv	1418956
Terphenyl-d14	113.7812	113.8	(18-137)	(33-141)	bv	7294723

Interim Report LAB-BASE FIND 06/07/94 08:45

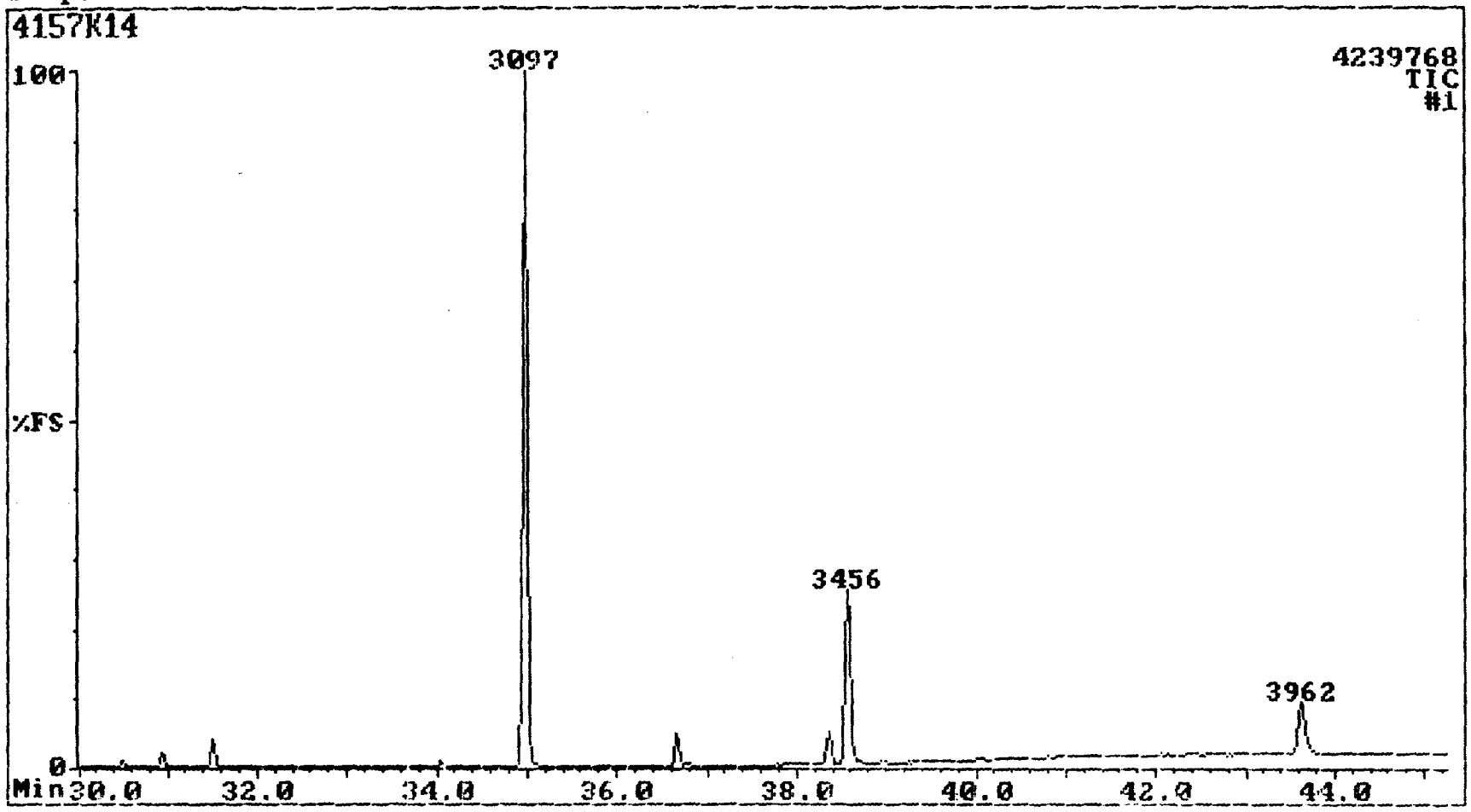
Raw Datafile : 4157K14 Quan DB : 4157K14
Find DB : TCLP8270 Scan DB : 4157K14

No.	Spectrum MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	94	97	-1	1272962	bb	1096	1097	152	1,4-Dichlorobenzene-d4
2	100	96	97	1	3750277	bv	709	708	112	2-Fluorophenol
3	100	97	97	0	3050343	bv	972	972	99	Phenol-d5
4	100	98	99	0	4230656	bv	334	334	79	Pyridine
5	100	95	96	0	3908225	bv	1101	1101	146	1,4-Dichlorobenzene
6	100	96	97	1	5015313	bv	1162	1161	108	2-Methyphenol
7	100	96	97	2	9333666	vv	1211	1209	108	3 & 4-Methylphenol
8	100	96	97	1	1365607	bb	1255	1254	117	Hexachloroethane
9	100	96	97	1	5617064	bv	1026	1025	132	2-Chlorophenol-d4
10	*** No Trace Found ***				*			1143	152	1,2-Dichlorobenzene-d4
11	100	92	95	1	4918663	bv	1498	1497	136	Naphthalene-d8
12	100	92	96	0	4390644	vv	1267	1267	82	Nitrobenzene-d5
13	100	95	96	0	6202761	bv	1274	1274	77	Nitrobenzene
14	100	93	97	-1	1185671	bb	1541	1542	225	Hexachlorobutadiene
15	100	94	95	-1	2773774	bv	2077	2078	164	Acenaphthene-d10
16	100	92	97	1	5850825	bv	1849	1848	172	2-Fluorobiphenyl
17	100	87	97	1	1418956	bv	2338	2337	330	2,4,6-Tribromophenol
18	100	92	97	0	2674777	bv	1819	1819	196	2,4,6-Trichlorophenol
19	100	91	97	1	2763440	vv	1831	1830	196	2,4,5-Trichlorophenol
20	100	93	96	1	2670498	bv	2134	2133	165	2,4-Dinitrotoluene
21	100	91	94	0	4535543	bv	2573	2573	188	Phenanthrene-d10
22	100	87	92	2	2709003	bv	2443	2441	284	Hexachlorobenzene
23	100	82	95	2	1691464	bv	2505	2503	266	Pentachlorophenol
24	100	81	87	1	1901876	bv	3456	3455	240	Chrysene-d12
25	100	86	93	0	7294723	bv	3097	3097	244	Terphenyl-d14
26	92	65	82	0	864550	bb	3962	3962	264	Perylene-d12

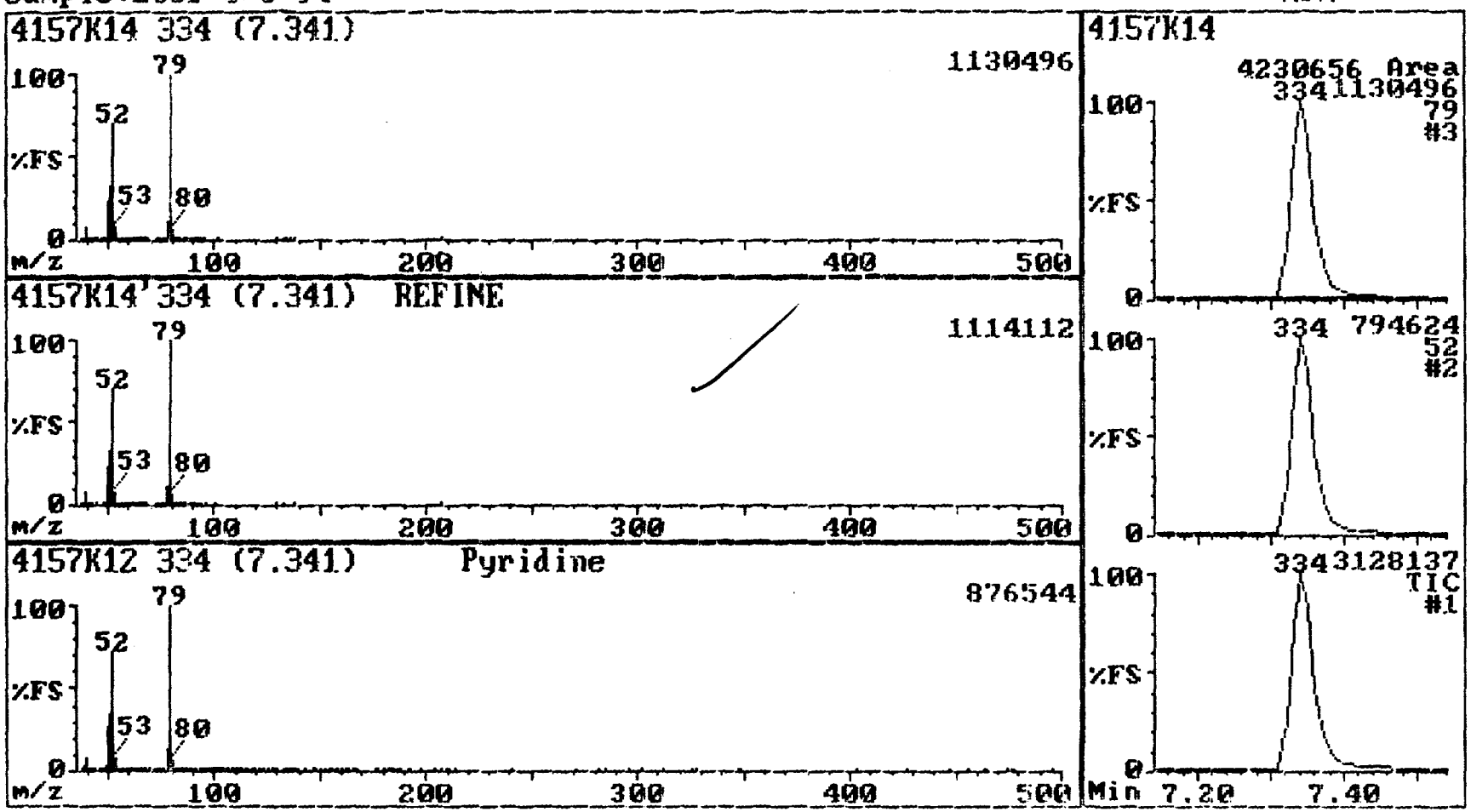
File:4157K14 06/06/94 19:01 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:LCSD 6/6/94 HPN:



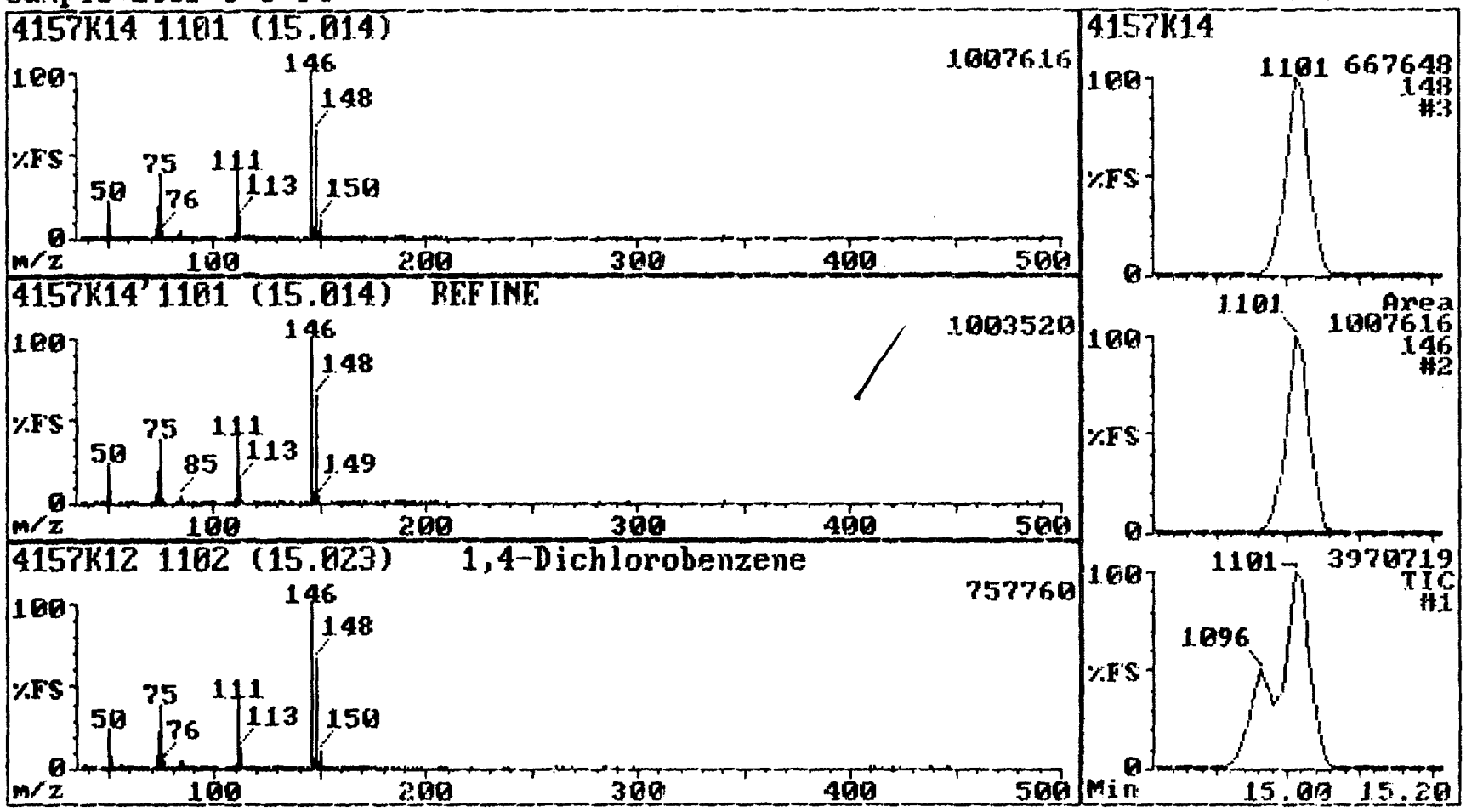
File:4157K14 06/06/94 19:01 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCSD 6/6/94 HPN:



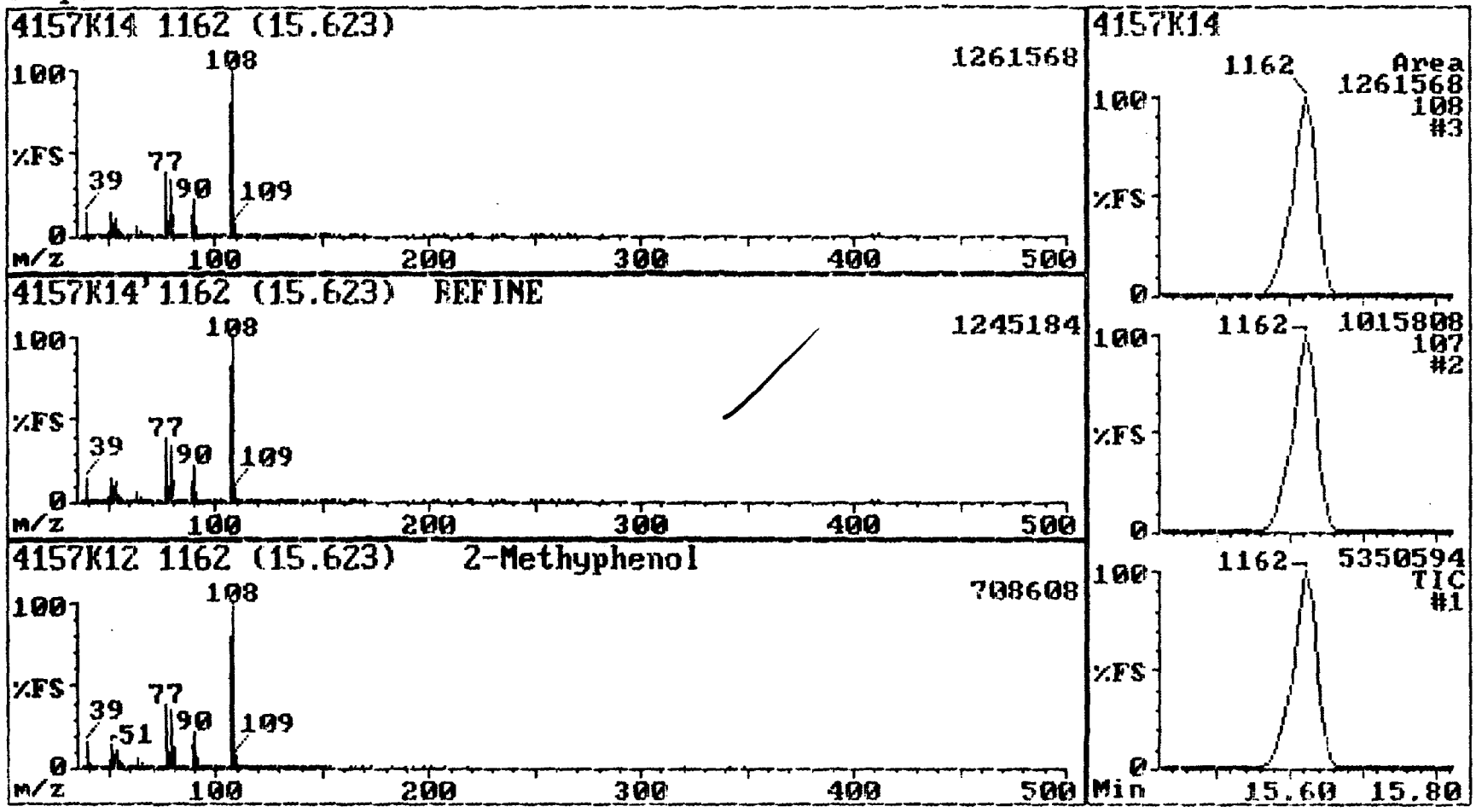
File:4157K14 06/06/94 19:01 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCSD 6/6/94 HPN:



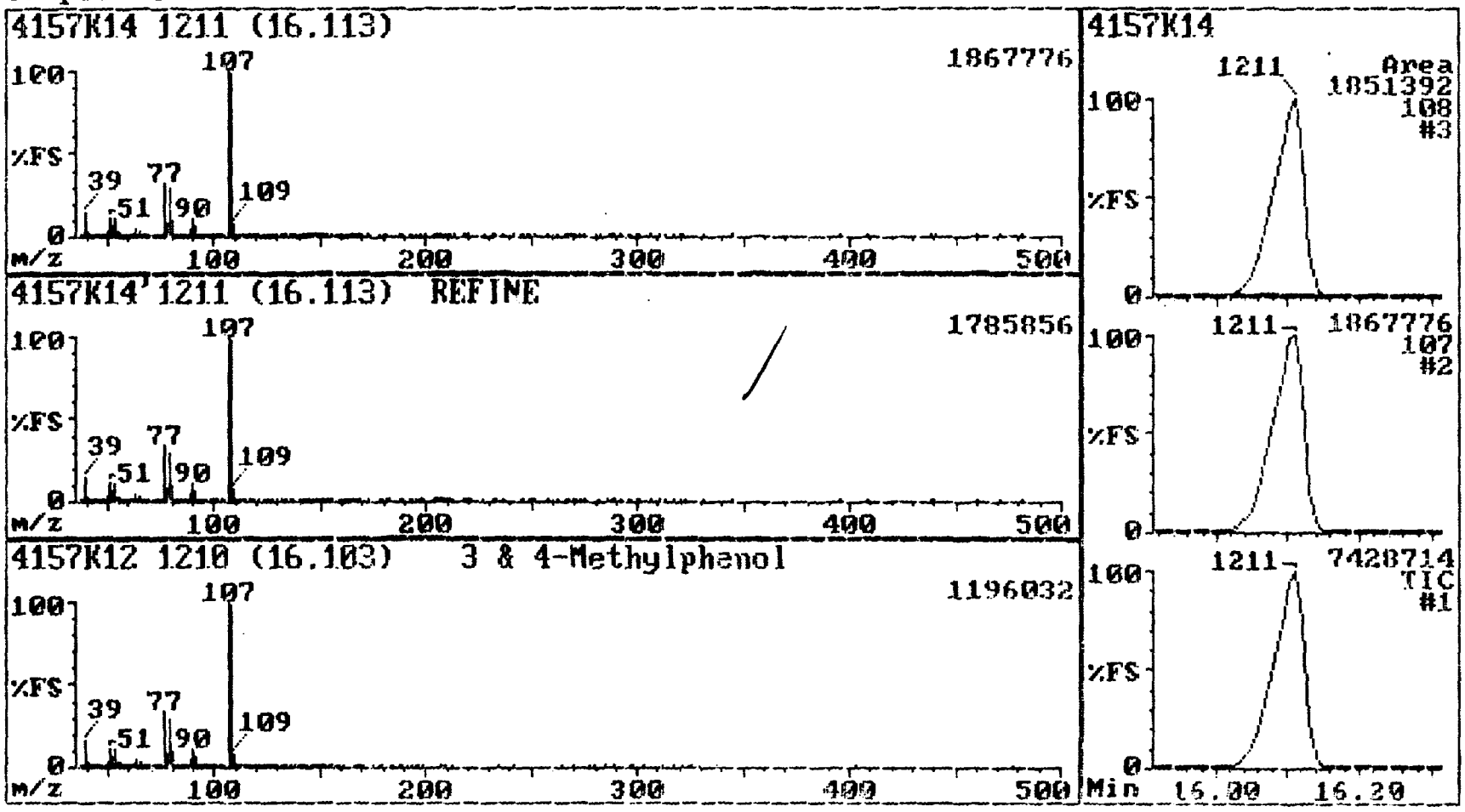
File:4157K14 06/06/94 19:01 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCSD 6/6/94 HPN:



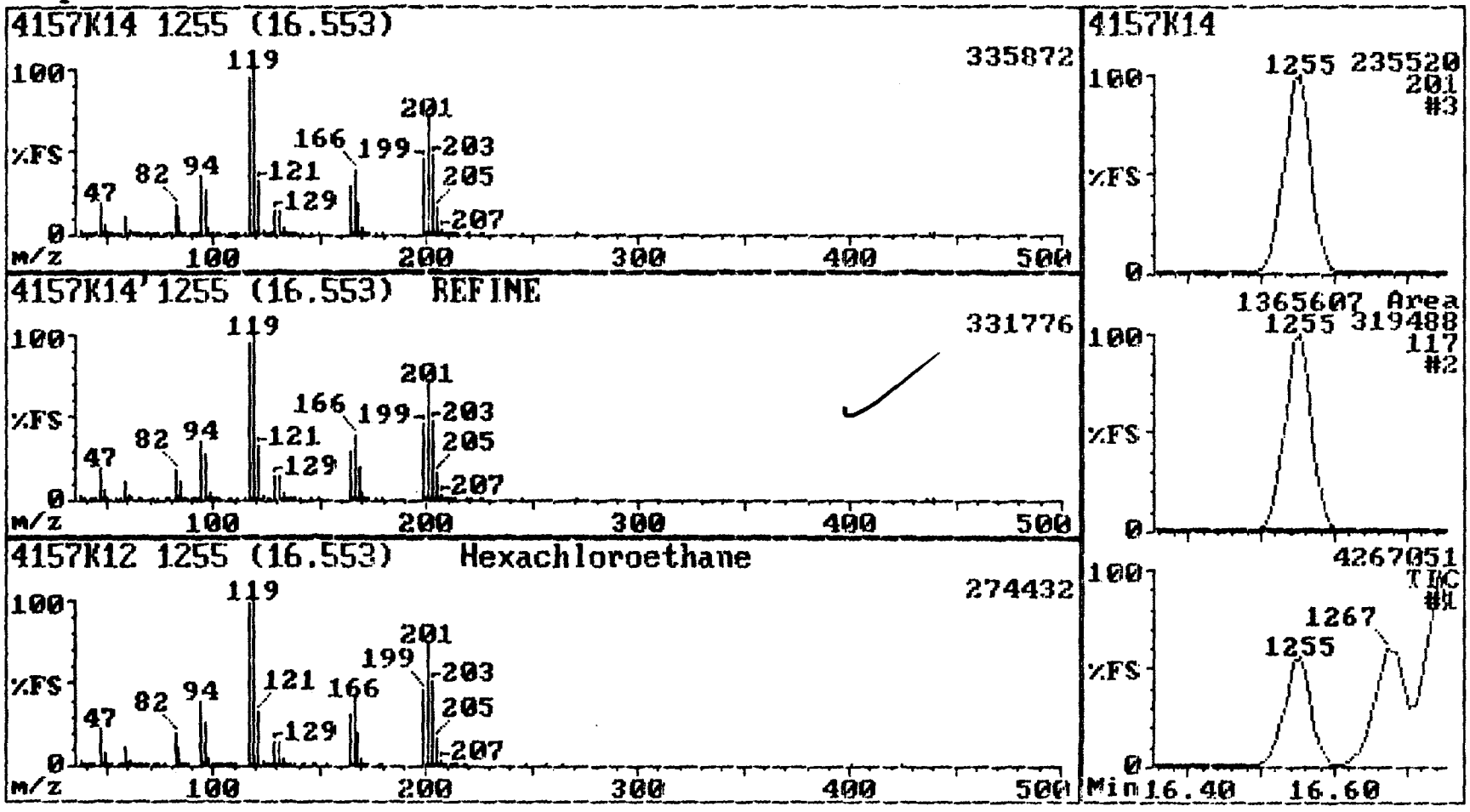
File:4157K14 06/06/94 19:01 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCSD 6/6/94 HPN:



File:4157K14 06/06/94 19:01 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCSD 6/6/94 HPN:



File:4157K14 06/06/94 19:01 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCSD 6/6/94 HPN:



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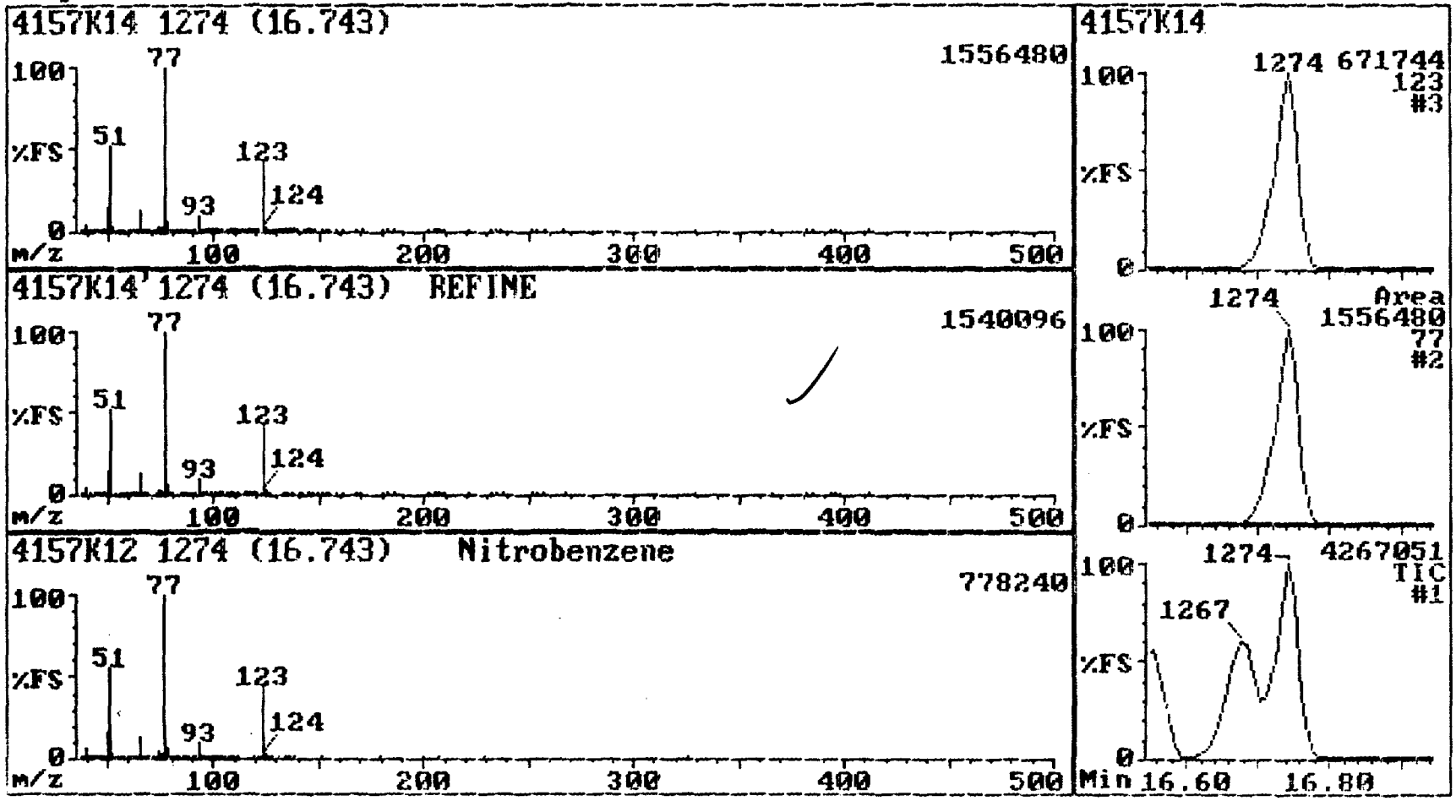
Sample:LCSD 6/6/94 HPN:



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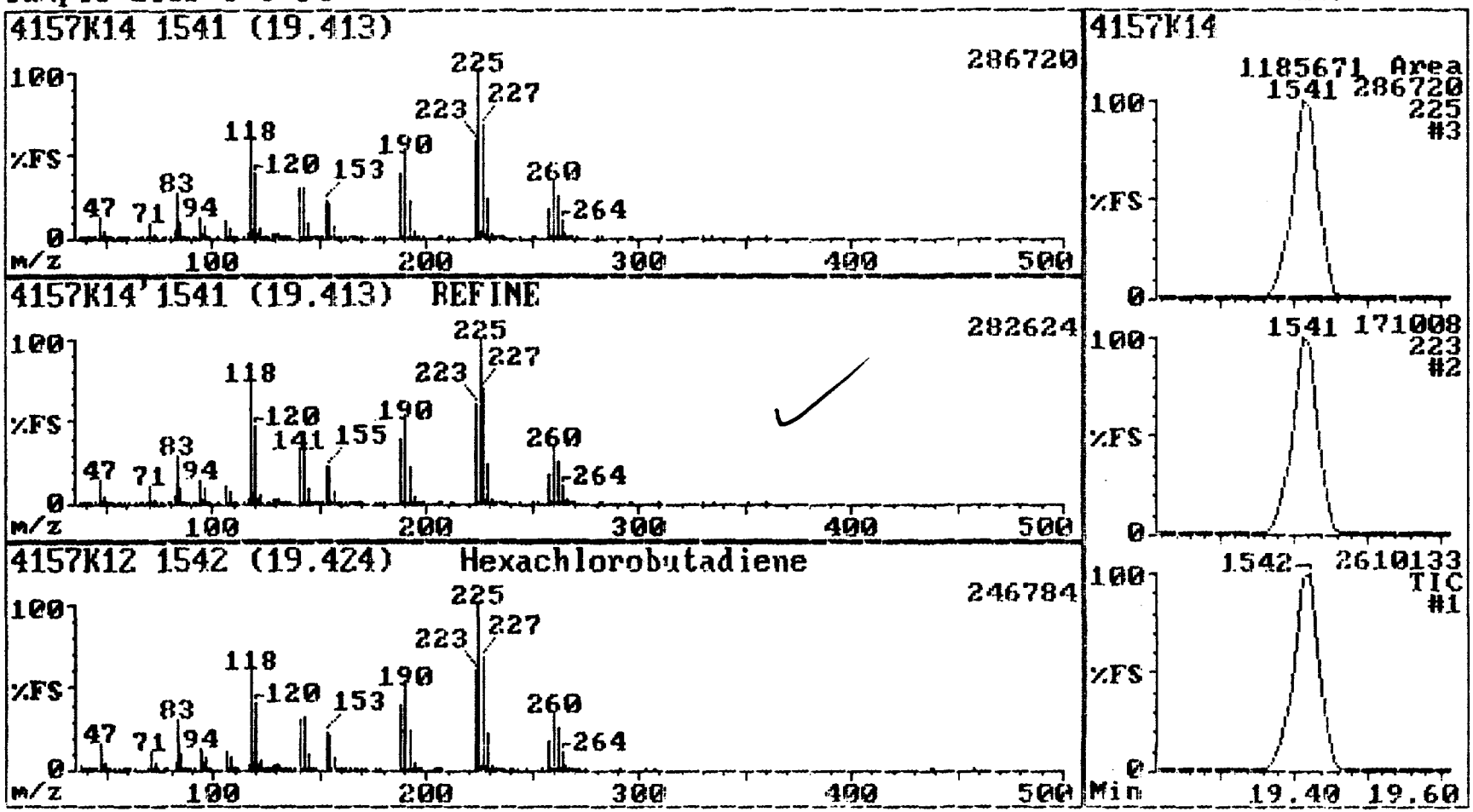
Sample:LCSD 6/6/94 HPN:



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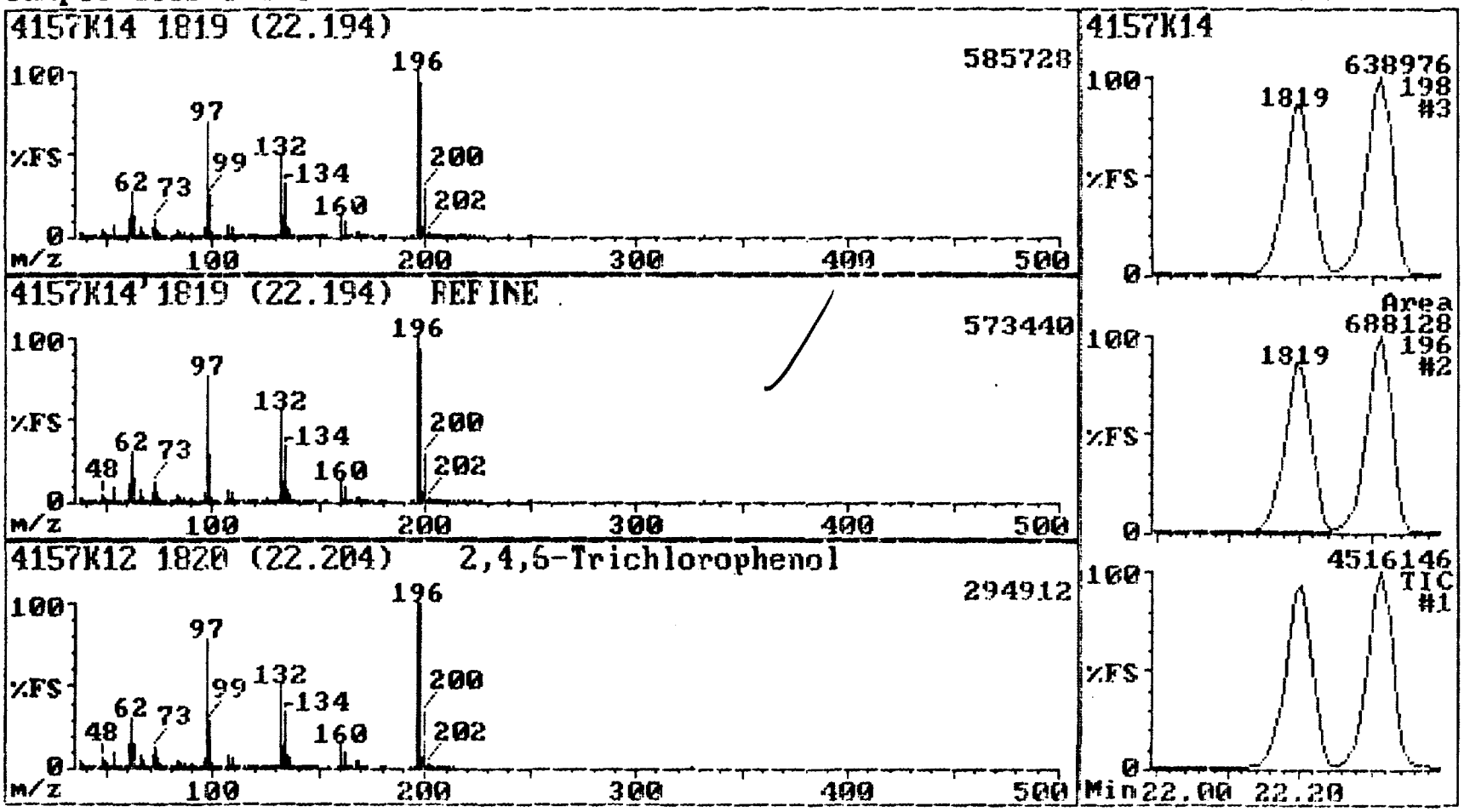
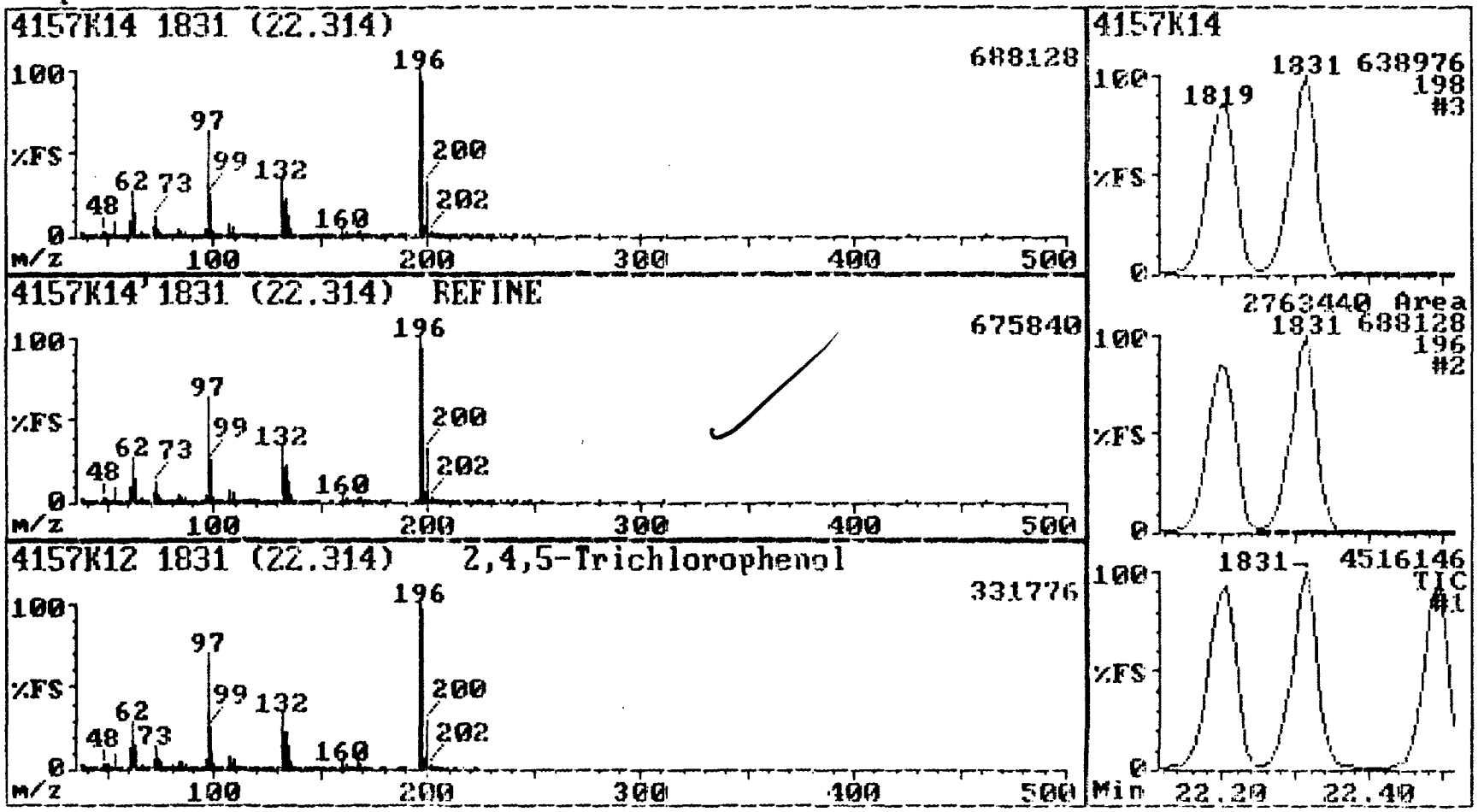
Sample:LCSD 6/6/94 HPN:



File:4157K14 06/06/94 19:01 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCSD 6/6/94 HPN:



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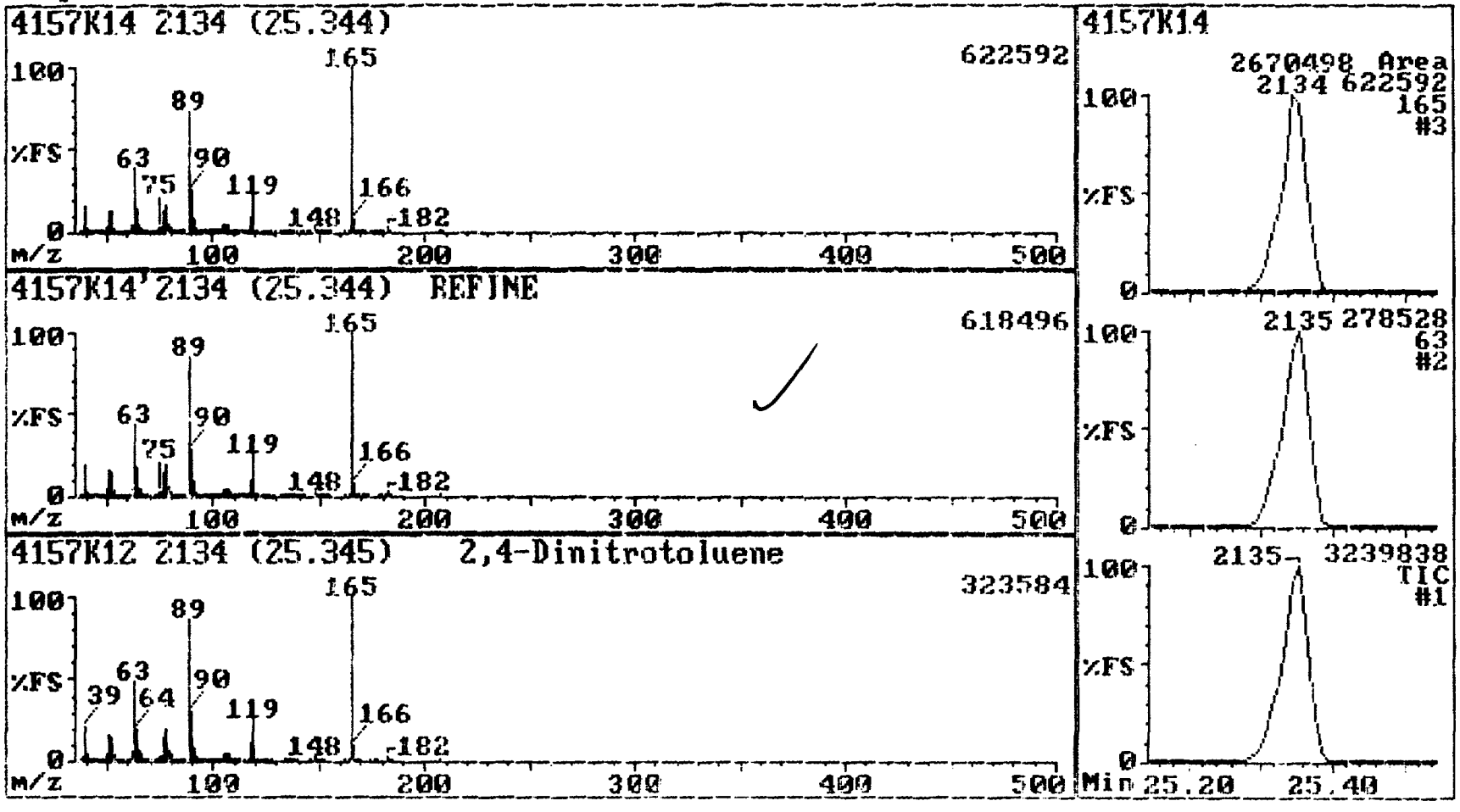
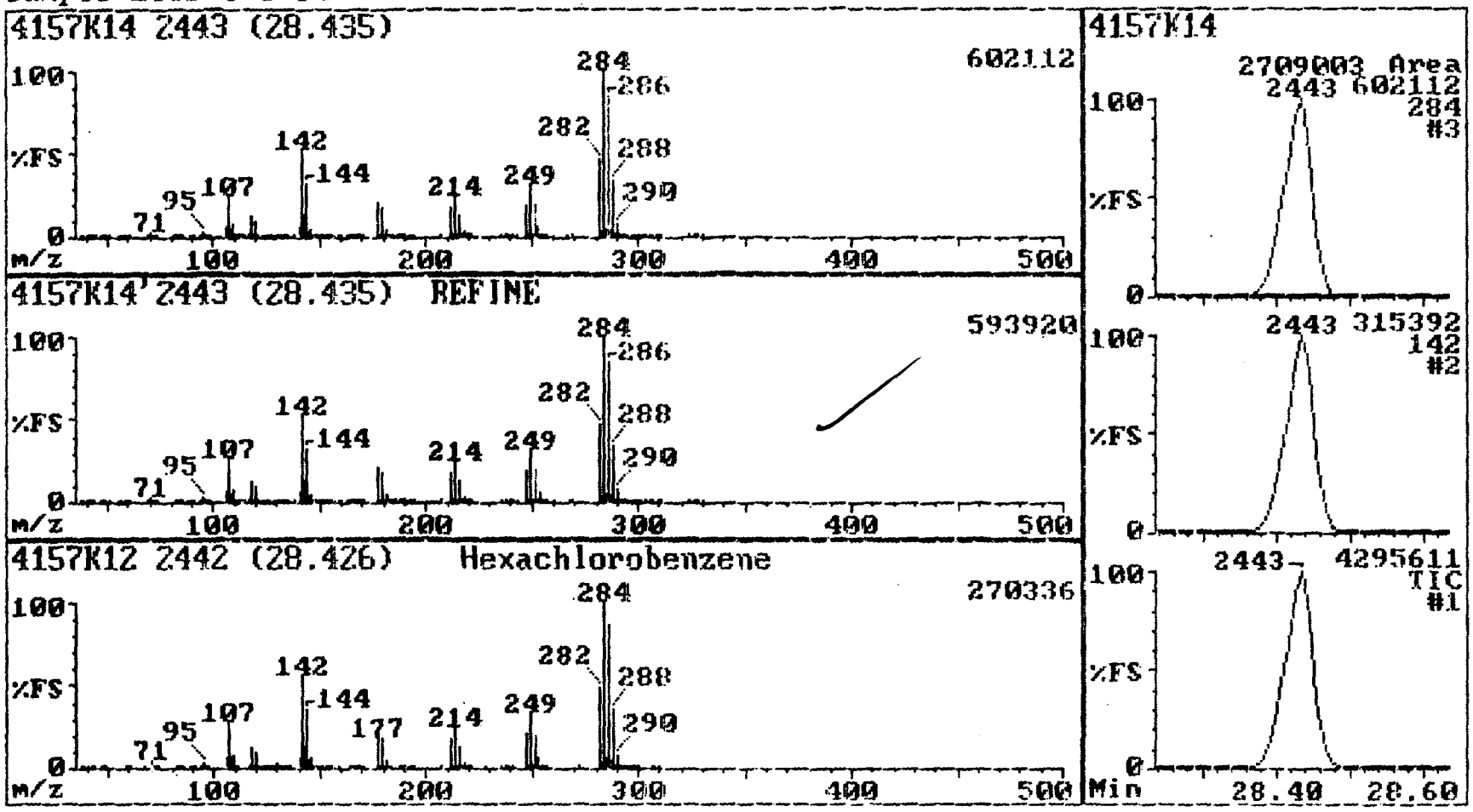
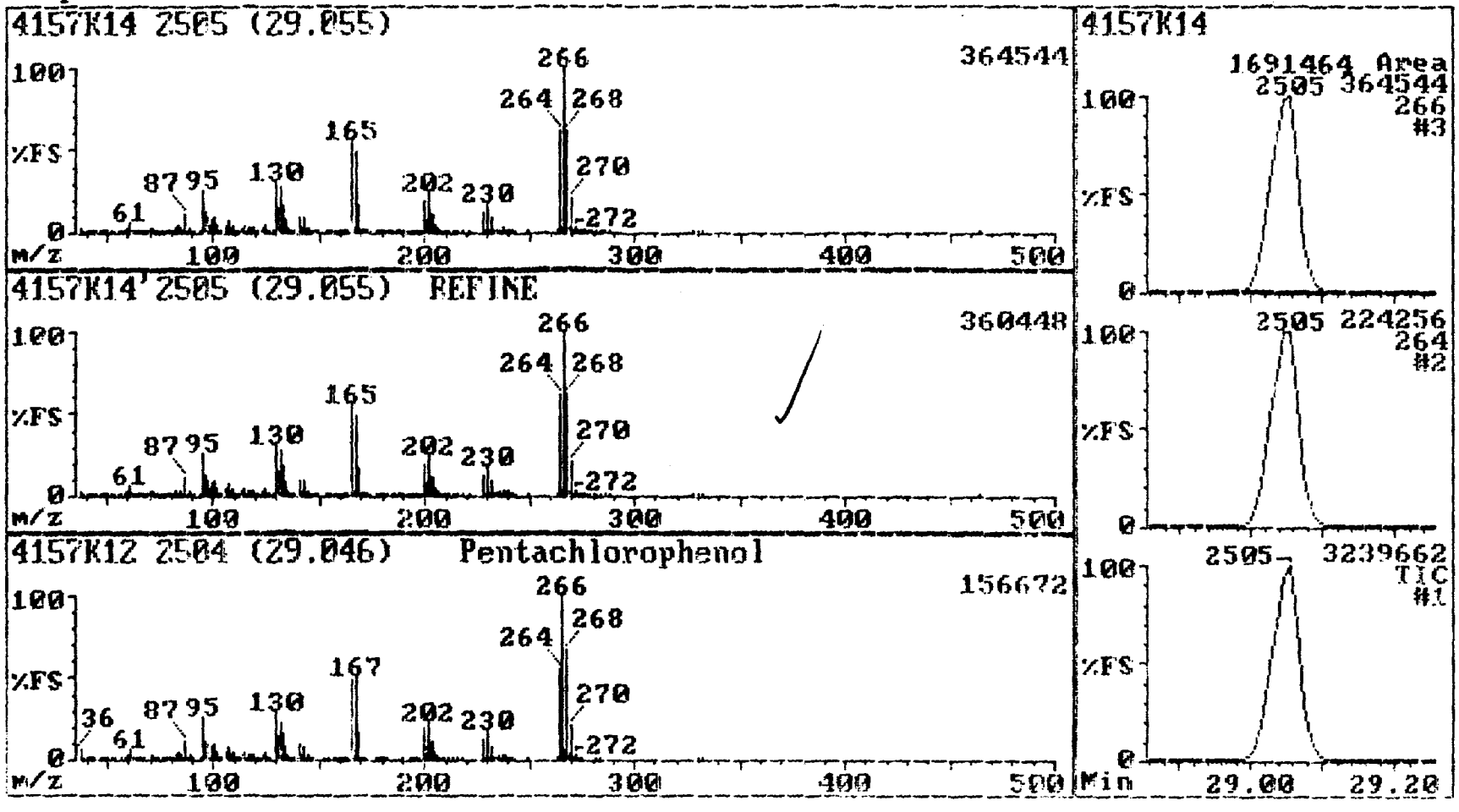
Sample:LCSD 6/6/94 HPN:



File:4157K14 06/06/94 19:01 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCSD 6/6/94 HPN:



File:4157K14 06/06/94 19:01 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCSD 6/6/94 HPN:



42
6/7/94

QUAN DB : 4157K13 LAB-BASE QUAN 06/07/94 11:01

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.96	1.00	1096	-1	95	97	1413473	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	11.10	0.74	710	2	96	97	3813432	bv	112	2-Fluorophenol	69.6	S
3	13.73	0.92	973	1	97	98	3153022	bv	99	Phenol-d5	47.3	S
4	7.36	0.49	336	2	96	99	4650432	bv	79	Pyridine	77.0	
5	15.02	1.00	1102	1	96	97	3937241	bv	146	1,4-Dichlorobenzene	68.0	CC
6	15.63	1.04	1163	2	97	97	5137628	bv	108	2-Methyphenol	92.0	
7	16.11	1.08	1211	2	96	97	9875227	vv	108	3 & 4-Methylphenol	173.3	
8	16.55	1.11	1255	1	97	96	1397871	bb	117	Hexachloroethane	57.5	
9	14.26	0.95	1026	1	96	97	6199534	bv	132	2-Chlorophenol-d4	112.1	S
10	15.44	1.03	0	0	0	0	0		152	1,2-Dichlorobenzene-d4	0.0	S
11	18.99	1.27	1498	1	93	96	5482774	bv	136	Naphthalene-d8	40.0	I
12	16.68	0.88	1268	1	89	97	4437275	vv	82	Nitrobenzene-d5	80.4	S
13	16.75	0.88	1275	1	96	97	6416456	vv	77	Nitrobenzene	115.5	
14	19.42	1.02	1541	-1	93	97	1149456	bb	225	Hexachlorobutadiene	63.8	CC
15	24.78	1.31	2077	-1	94	95	3055860	bv	164	Acenaphthene-d10	40.0	I
16	22.50	0.91	1849	1	93	97	6565317	bv	172	2-Fluorobiphenyl	69.8	S
17	27.39	1.11	2338	1	87	97	1579886	bv	330	2,4,6-Tribromophenol	140.3	S
18	22.21	0.90	1820	1	92	98	2799369	bv	196	2,4,6-Trichlorophenol	115.6	CC
19	22.32	0.90	1831	1	91	97	3120884	vv	196	2,4,5-Trichlorophenol	121.3	
20	25.36	1.02	2135	2	93	96	2838778	bv	165	2,4-Dinitrotoluene	115.3	
21	29.74	1.20	2573	0	91	94	5044670	vv	188	Phenanthrene-d10	40.0	I
22	28.44	0.96	2443	2	87	92	2959029	bv	284	Hexachlorobenzene	121.3	
23	29.06	0.98	2505	2	82	95	1972259	bv	266	Pentachlorophenol	148.6	CC
24	38.57	1.30	3456	1	82	88	2347883	bb	240	Chrysene-d12	40.0	I
25	34.93	0.91	3097	0	86	93	8484633	vv	244	Terphenyl-d14	107.2	S
26	43.62	1.13	3961	-1	67	83	1012131	bv	264	Perylene-d12	40.0	I

Datafile : 4157K13

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	698627	1413473	2794506
Naphthalene-d8	3114988	5482774	12459950
Acenaphthene-d10	1594404	3055860	6377614
Phenanthrene-d10	2601042	5044670	10404168
Chrysene-d12	1326643	2347883	5306570
Perylene-d12	660645	1012131	2642580

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	14.97	14.96
Naphthalene-d8	18.99	18.99
Acenaphthene-d10	24.79	24.78
Phenanthrene-d10	29.75	29.74
Chrysene-d12	38.57	38.57
Perylene-d12	43.63	43.62

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	69.6080	46.4	(25-121)	(21-110)	bv	3813432
Phenol-d5	47.3284	31.6	(24-113)	(10-110)	bv	3153022
2-Chlorophenol-d4	112.0651	74.7	(20-130)	(33-110)	bv	6199534
1,2-Dichlorobenzene-d4	0.0000	0.0	(20-130)	(16-110)		0
Nitrobenzene-d5	80.3817	80.4	(23-120)	(35-114)	vv	4437275
2-Fluorobiphenyl	69.8044	69.8	(30-115)	(43-116)	bv	6565317
2,4,6-Tribromophenol	140.2687	93.5	(19-122)	(10-123)	bv	1579886
Terphenyl-d14	107.2014	107.2	(18-137)	(33-141)	v?	8484633

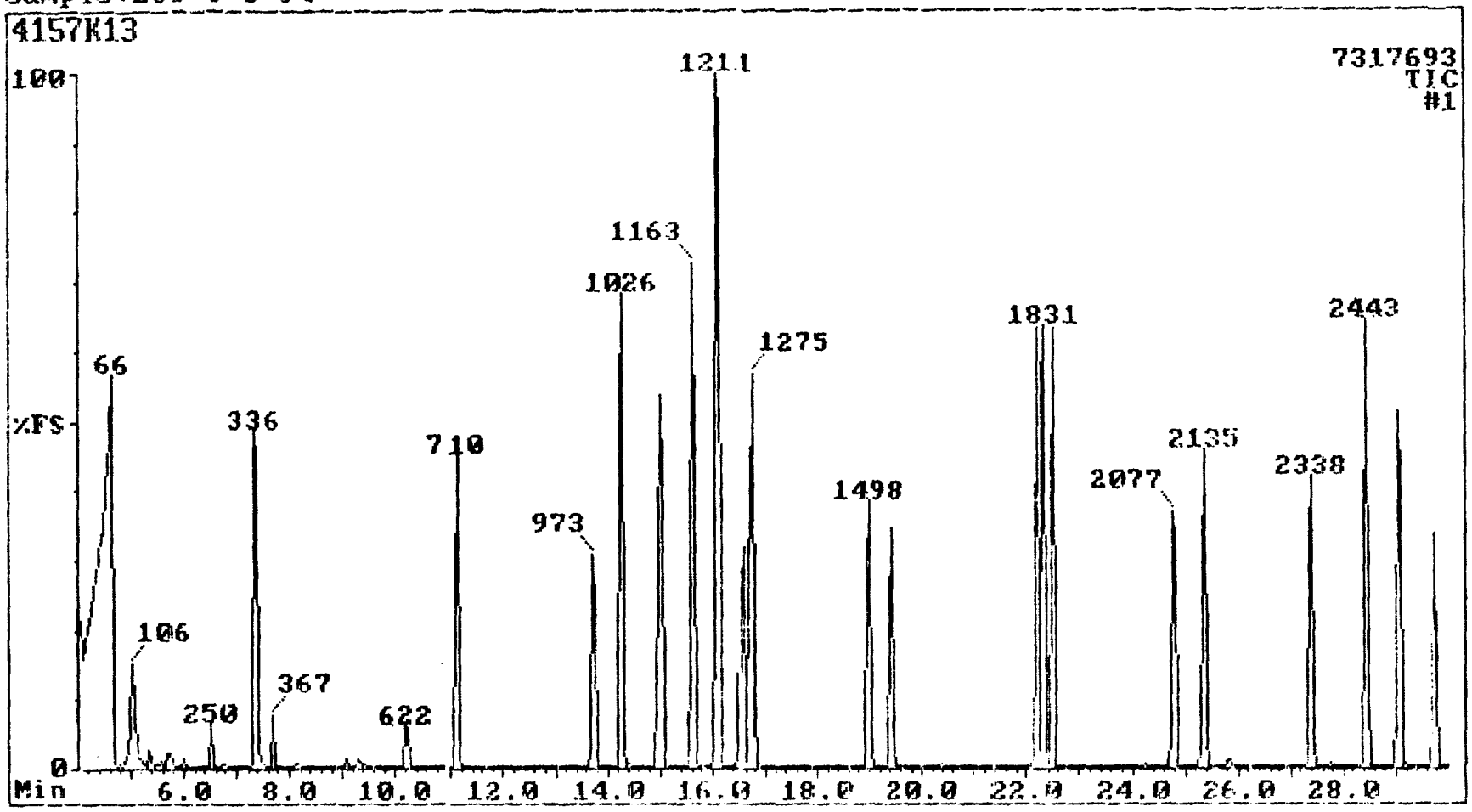
Not included in surrogate spike used DR 6/7/94

Interim Report LAB-BASE FIND 06/07/94 08:44

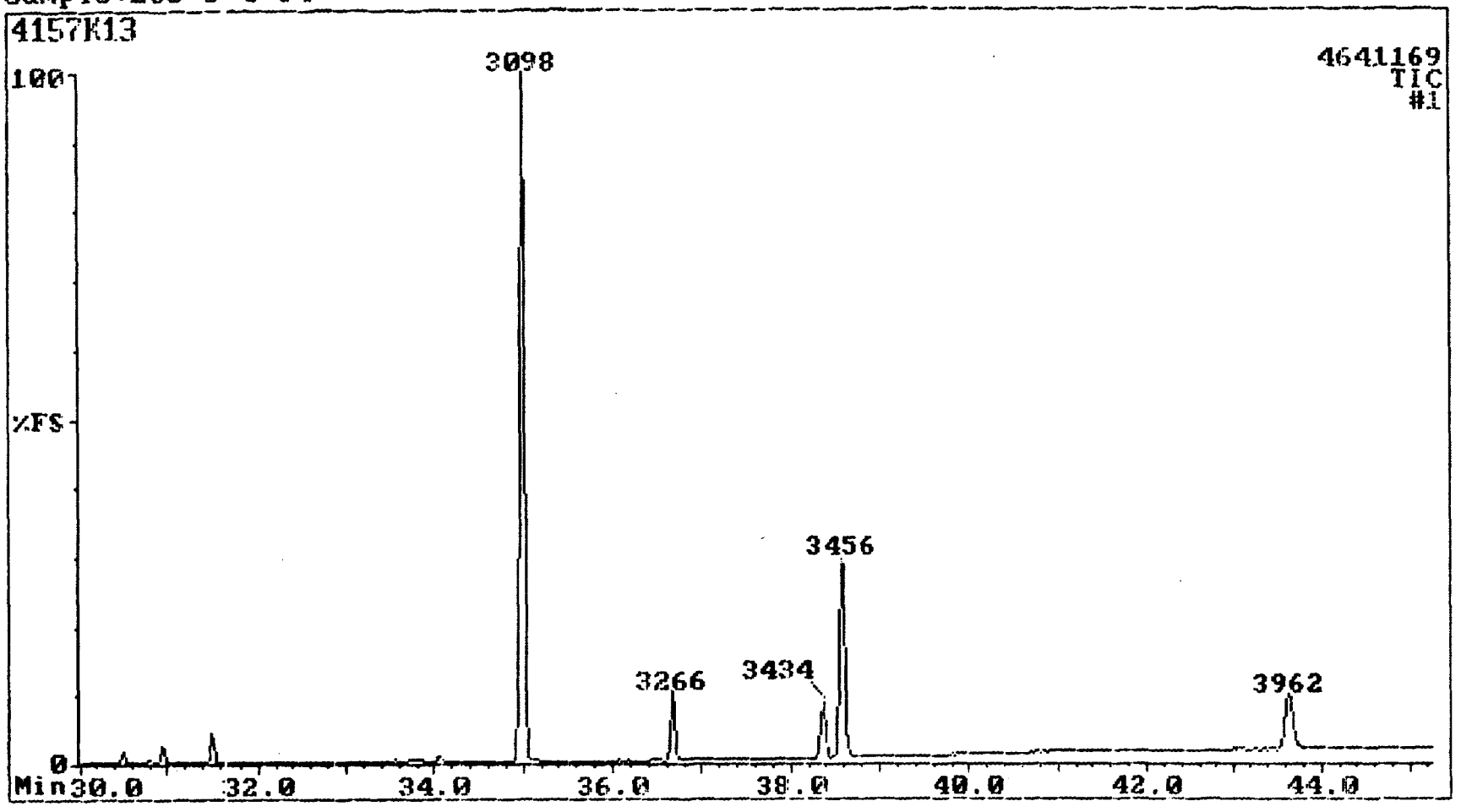
Raw Datafile : 4157K13 Quan DB : 4157K13
Find DB : TCLP8270 Scan DB : 4157K13

No.	Spectrum MAT	FOR	REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	95	97	-1	1413473	bb	1096	1097	152	1,4-Dichlorobenzene-d4
2	100	96	97	2	3813432	bv	710	708	112	2-Fluorophenol
3	100	97	98	1	3153022	bv	973	972	99	Phenol-d5
4	100	98	99	2	4850432	b?	336	334	79	Pyridine
5	100	96	97	1	3937241	bv	1102	1101	146	1,4-Dichlorobenzene
6	100	97	97	2	5137628	bv	1163	1161	108	2-Methyphenol
7	100	96	97	2	9875227	vv	1211	1209	108	3 & 4-Methylphenol
8	100	97	98	1	1397871	bb	1255	1254	117	Hexachloroethane
9	100	96	97	1	6199534	bv	1026	1025	132	2-Chlorophenol-d4
10	*** No Trace Found ***					*		1143	152	1,2-Dichlorobenzene-d4
11	100	93	96	1	5482774	bv	1498	1497	136	Naphthalene-d8
12	100	89	97	1	4437275	vv	1268	1267	82	Nitrobenzene-d5
13	100	96	97	1	6416456	vv	1275	1274	77	Nitrobenzene
14	100	93	97	-1	1149456	bb	1541	1542	225	Hexachlorobutadiene
15	100	94	95	-1	3055860	bv	2077	2078	164	Acenaphthene-d10
16	100	93	97	1	6565317	bv	1849	1848	172	2-Fluorobiphenyl
17	100	87	97	1	1579886	bv	2338	2337	330	2,4,6-Tribromophenol
18	100	92	98	1	2799369	bv	1820	1819	196	2,4,6-Trichlorophenol
19	100	91	97	1	3120884	vv	1831	1830	196	2,4,5-Trichlorophenol
20	100	93	96	2	2838776	bv	2135	2133	165	2,4-Dinitrotoluene
21	100	91	94	0	5044670	vv	2573	2573	188	Phenanthrene-d10
22	100	87	92	2	2959029	bv	2443	2441	284	Hexachlorobenzene
23	99	82	95	2	1972259	bv	2505	2503	266	Pentachlorophenol
24	100	82	88	1	2347883	bb	3456	3455	240	Chrysene-d12
25	100	86	93	0	8484633	v?	3097	3097	244	Terphenyl-d14
26	89	67	83	-1	1012131	bv	3961	3962	264	Perylene-d12

File:4157K13 06/06/94 18:04 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCS 6/6/94 HPN:



File:4157K13 06/06/94 18:04 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCS 6/6/94 HPN:



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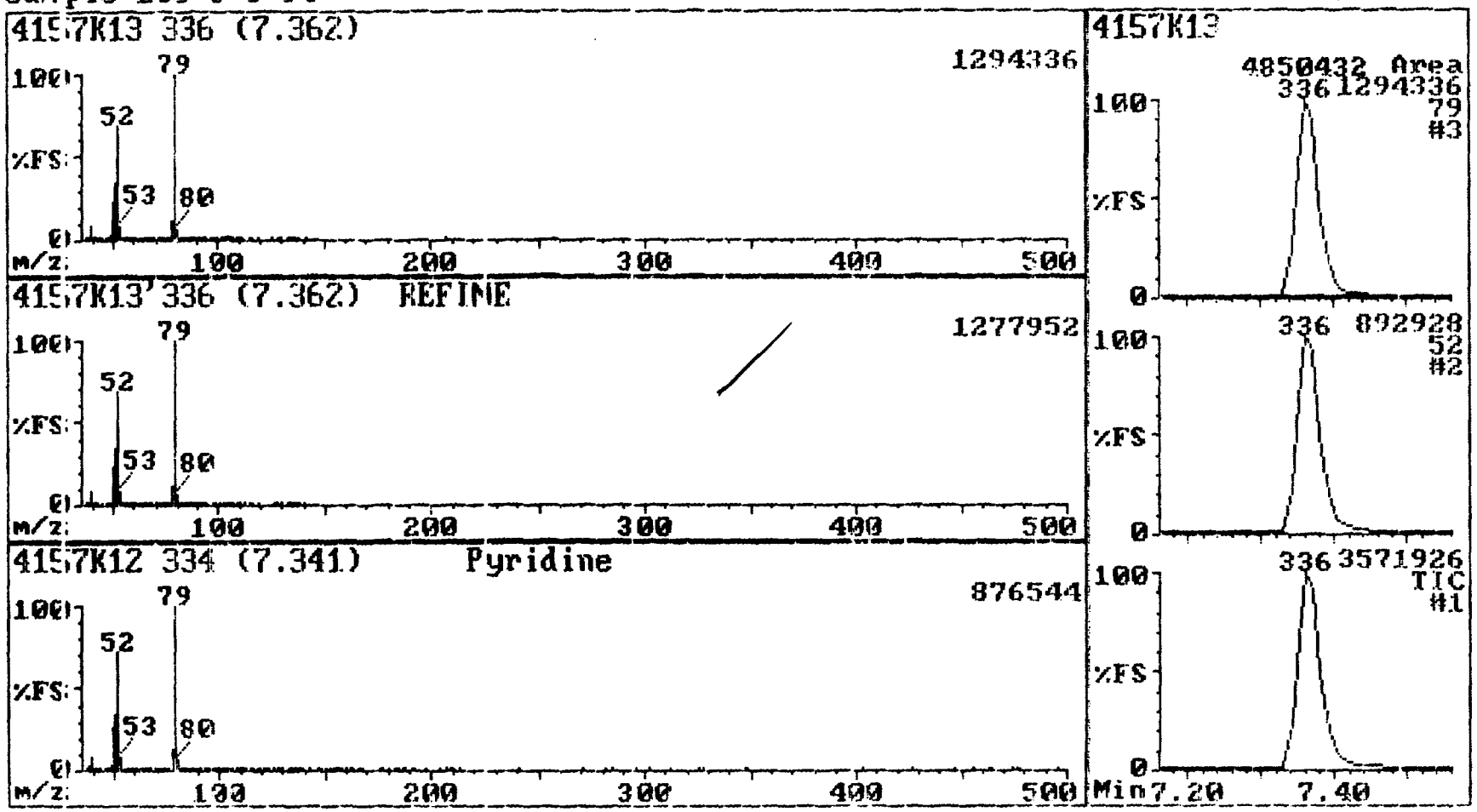
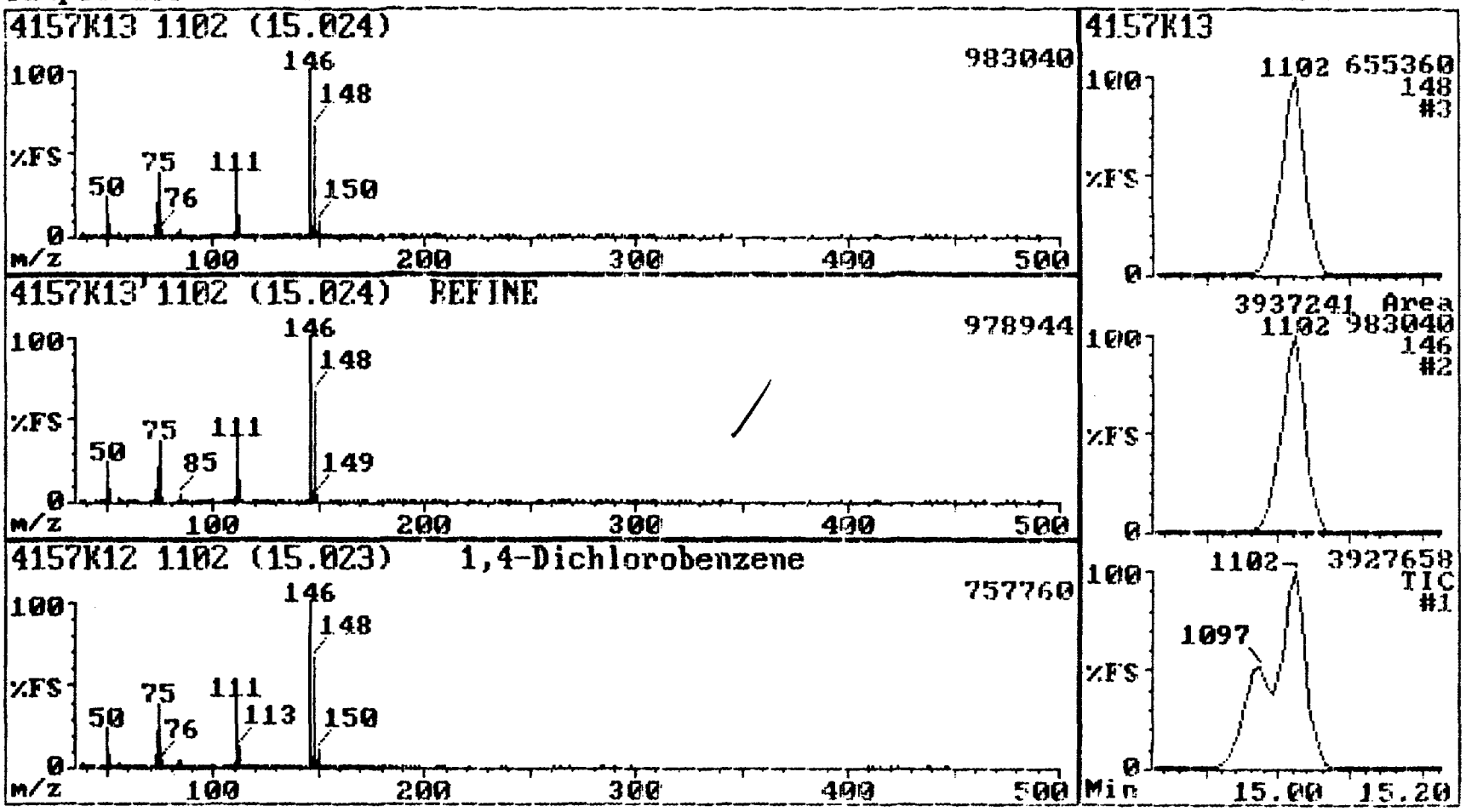
Sample:LCS 6/6/94 HPN:



File:4157K13 06/06/94 18:04 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCS 6/6/94 HPN:



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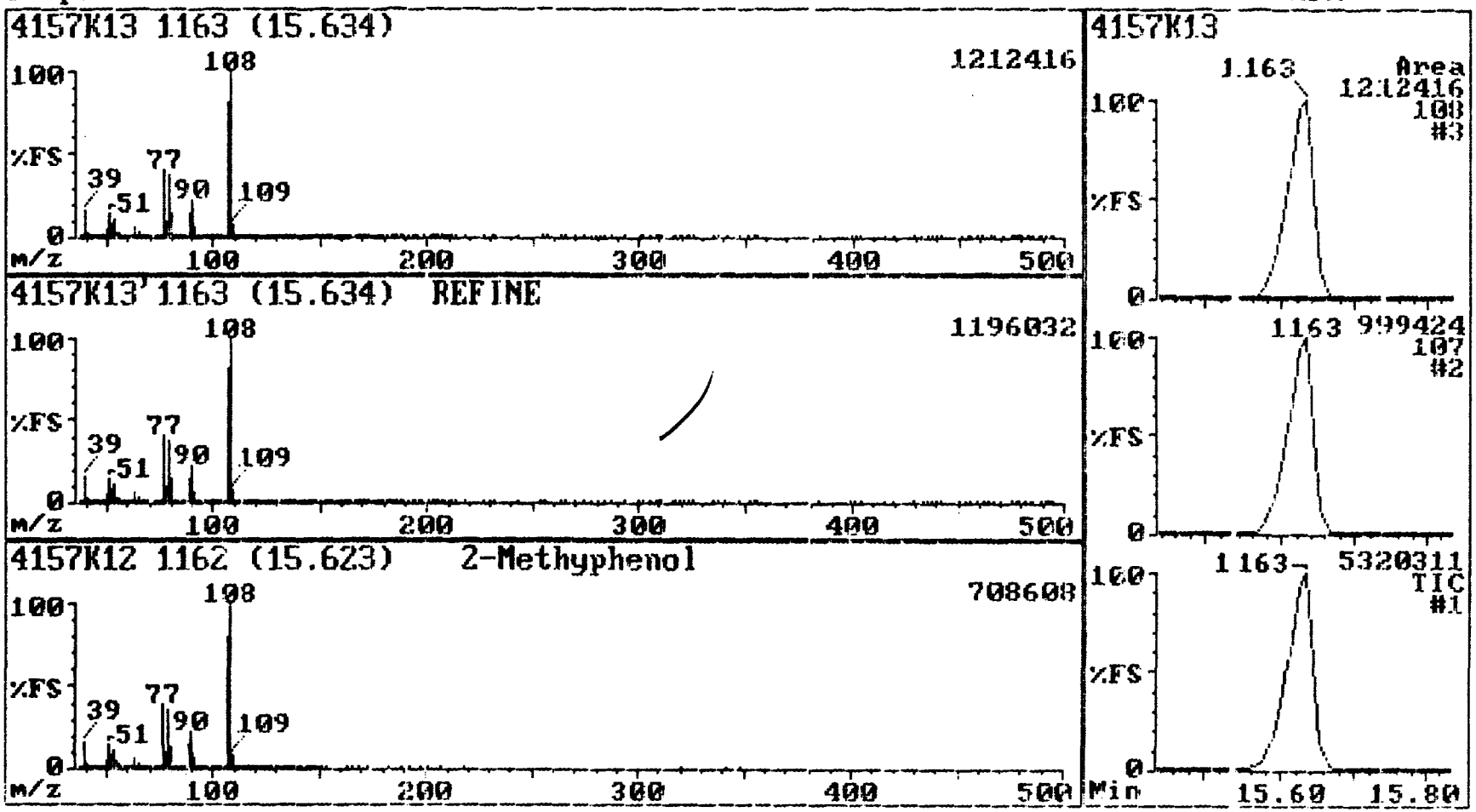
Sample:LCS 6/6/94 HPN:



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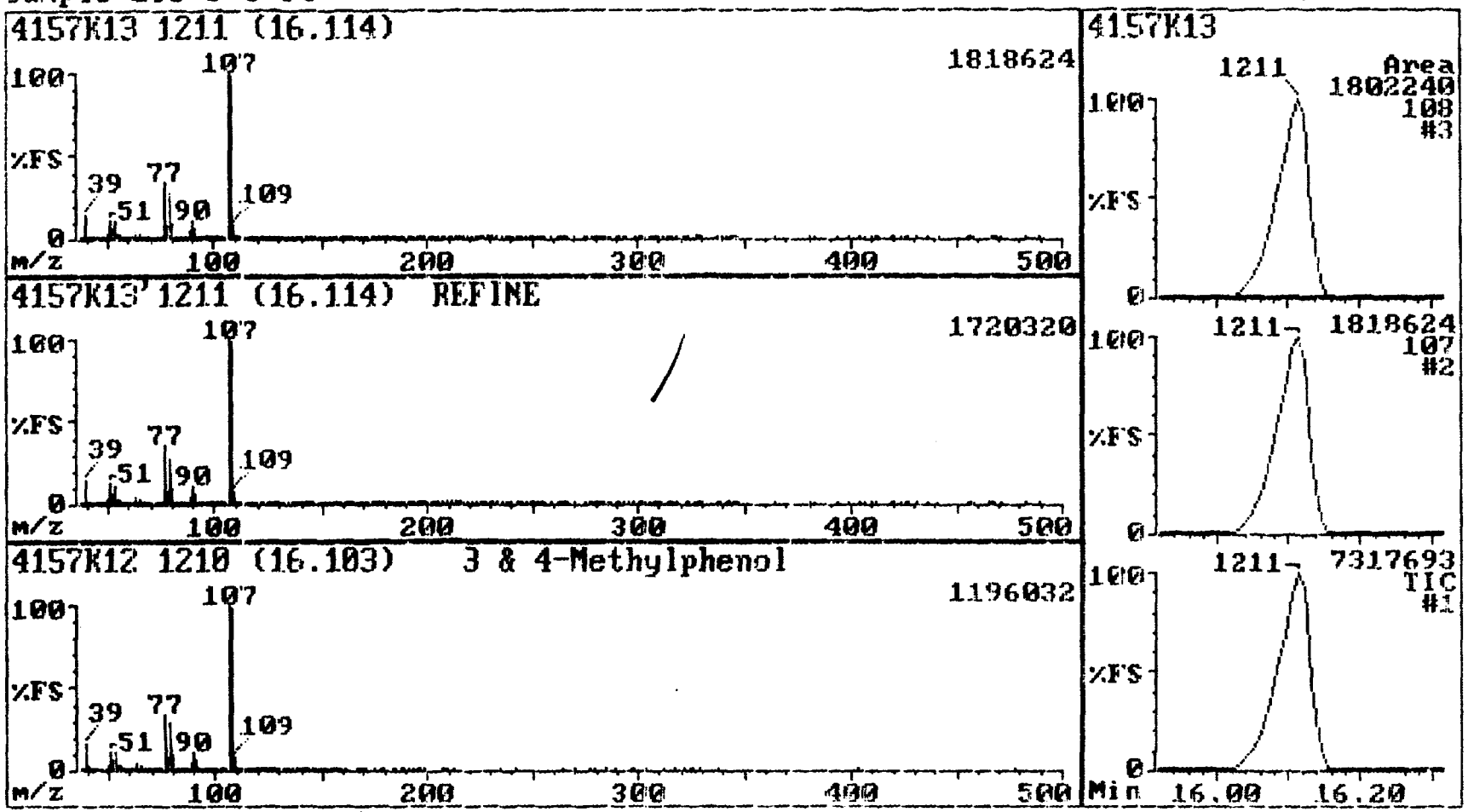
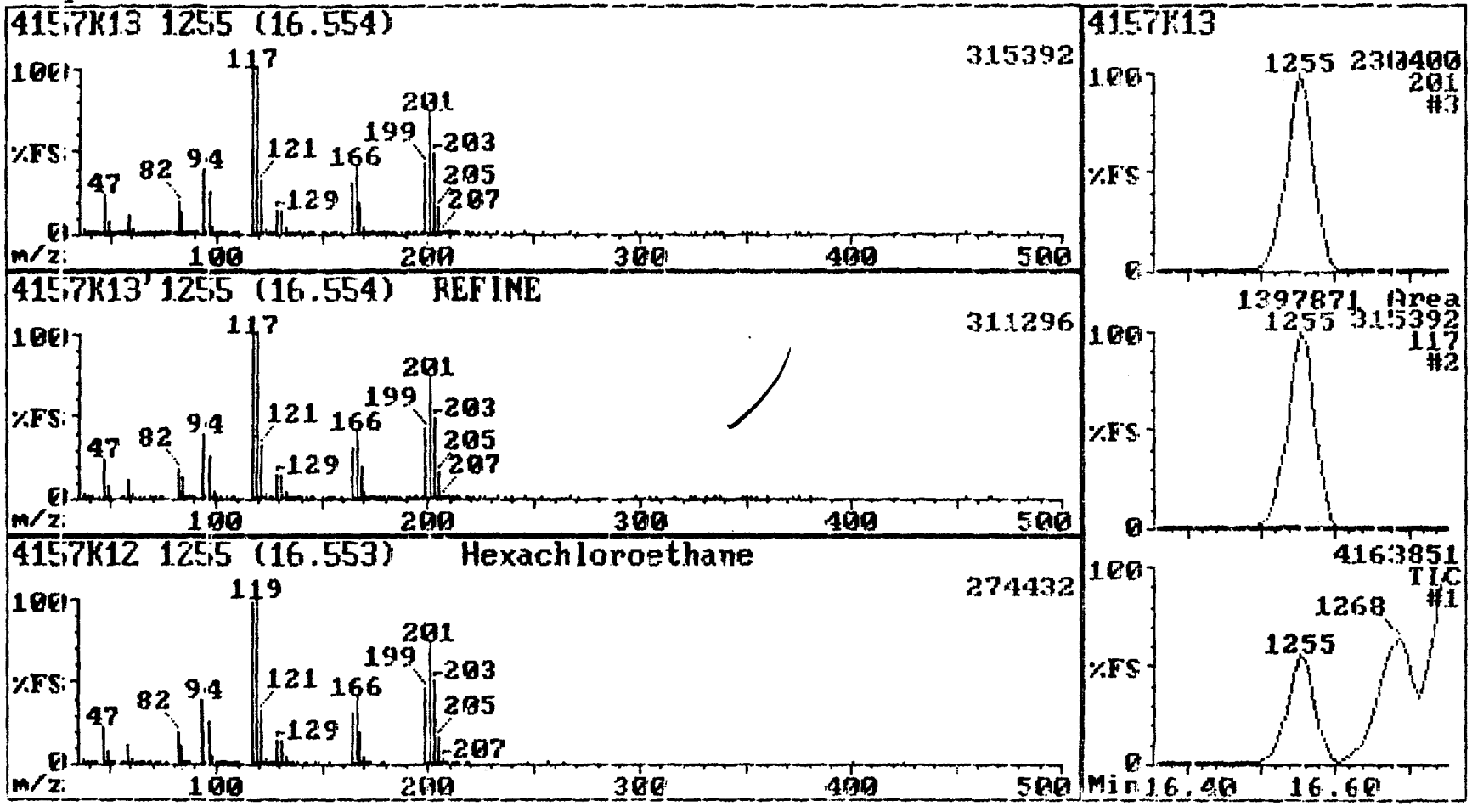
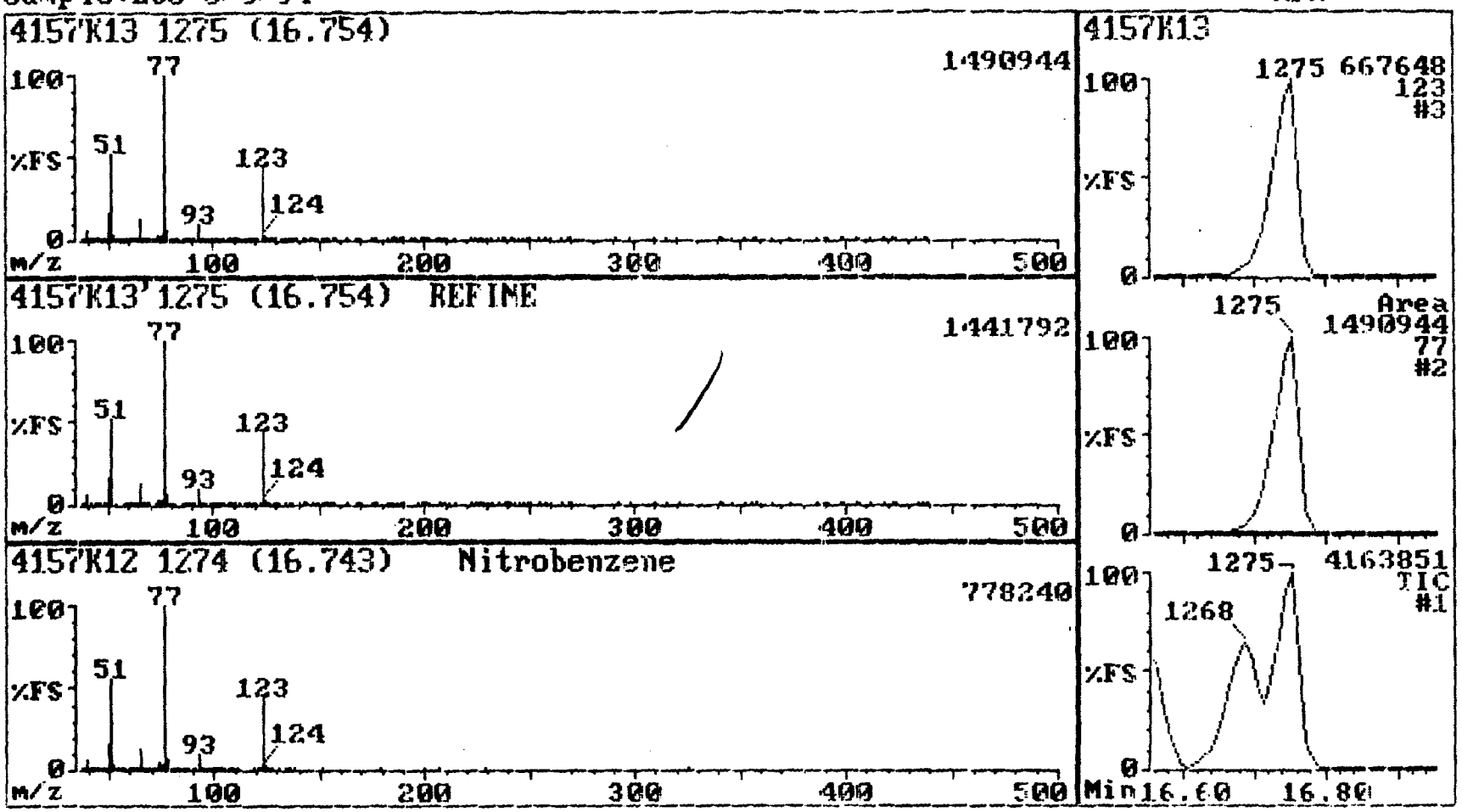
Sample:LCS 6/6/94 HPN:



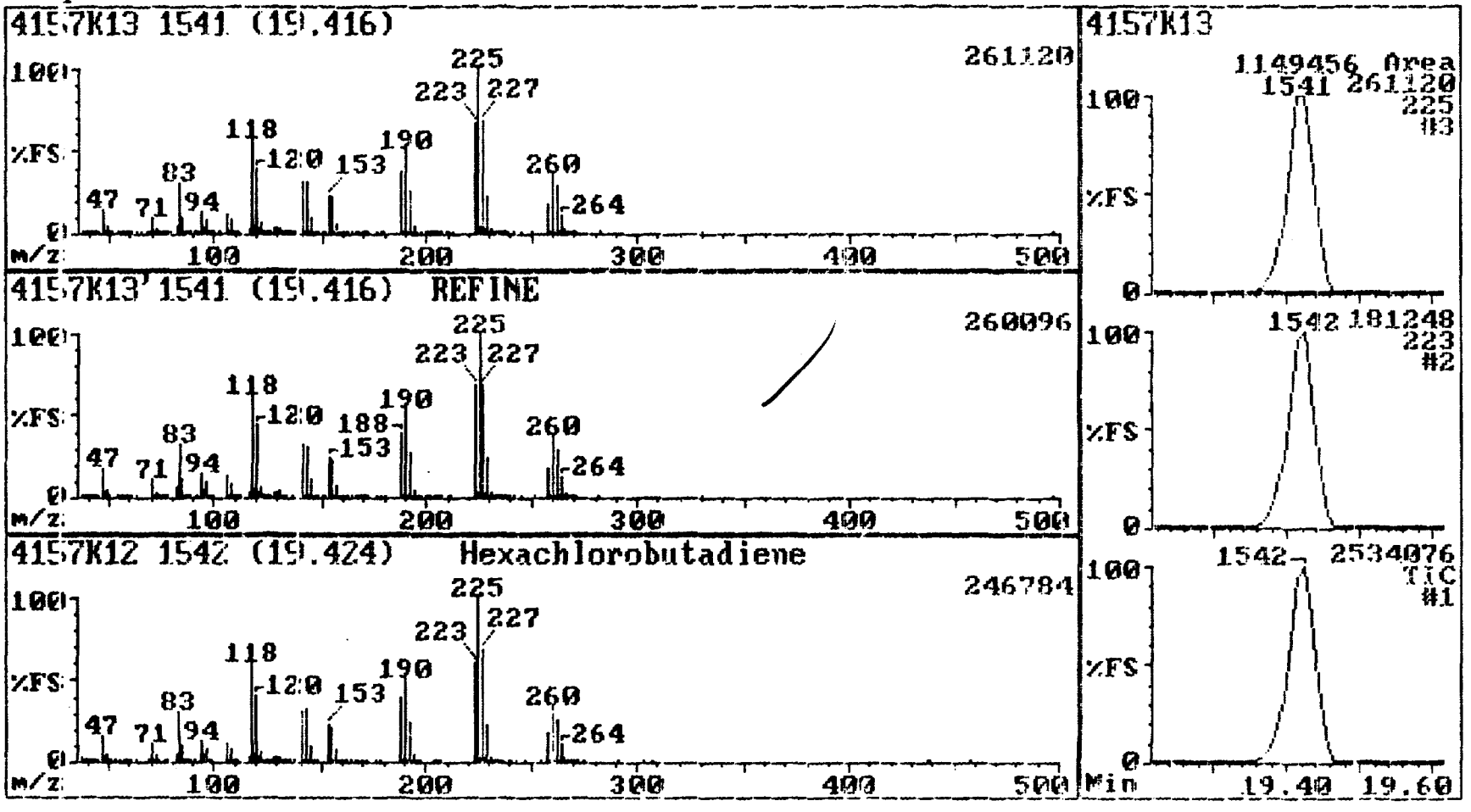
File:4157K13 06/06/94 18:04 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCS 6/6/94 HPN:



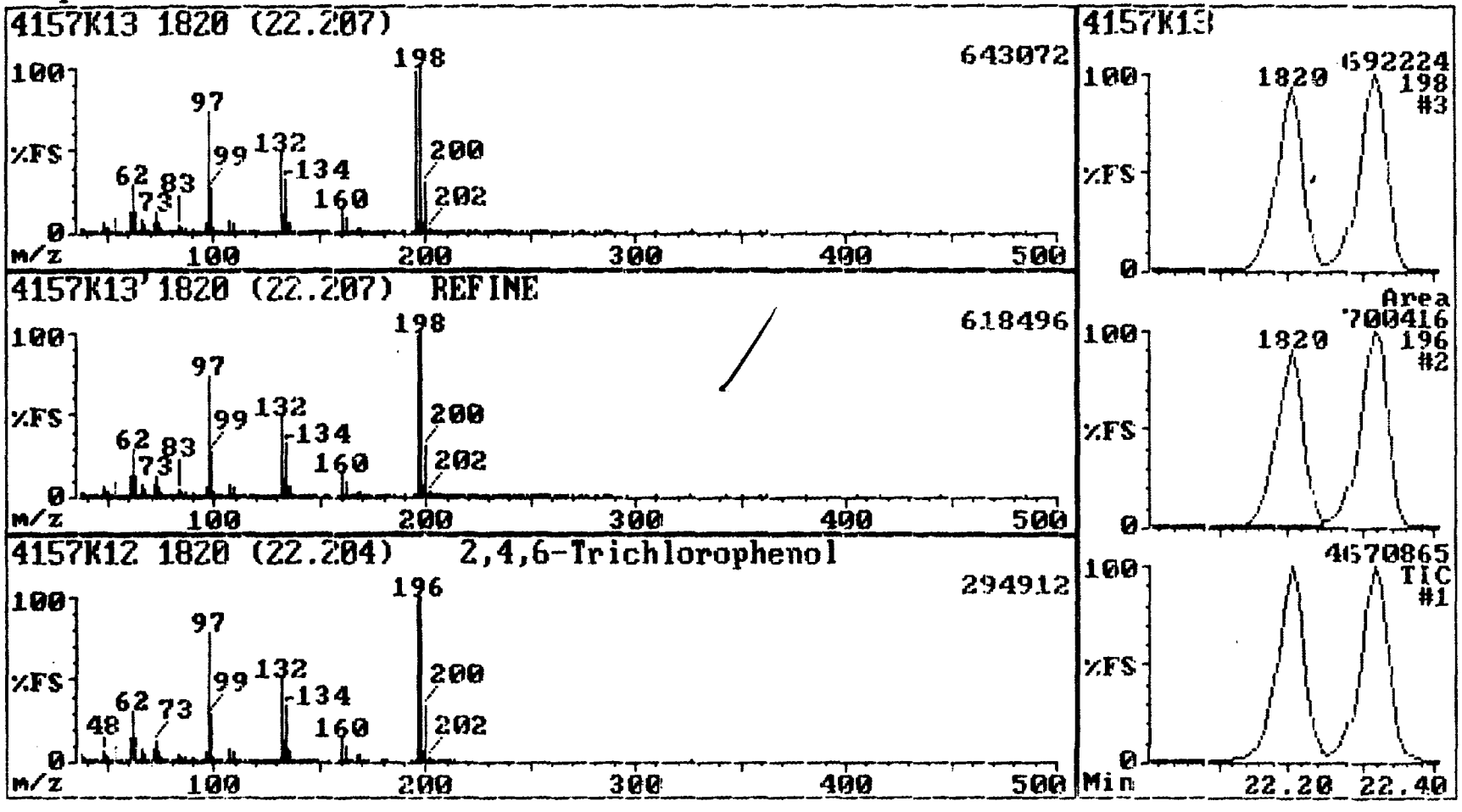
File:4157K13 06/06/94 18:04 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCS 6/6/94 HPN:



File:4157K13 06/06/94 13:04 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCS 6/6/94 HPN:



File:4157K13 06/06/94 18:04 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCS 6/6/94 HPN:



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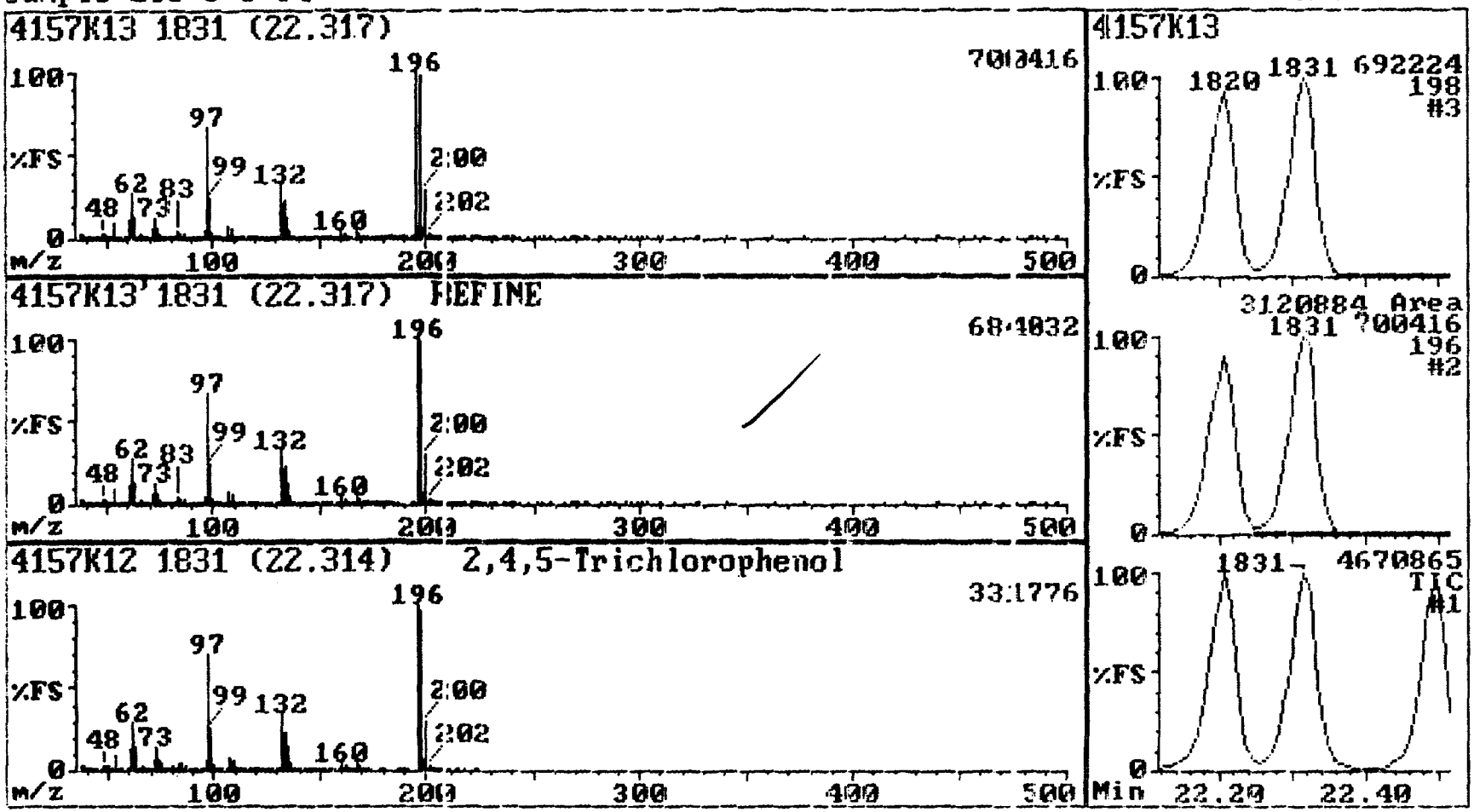
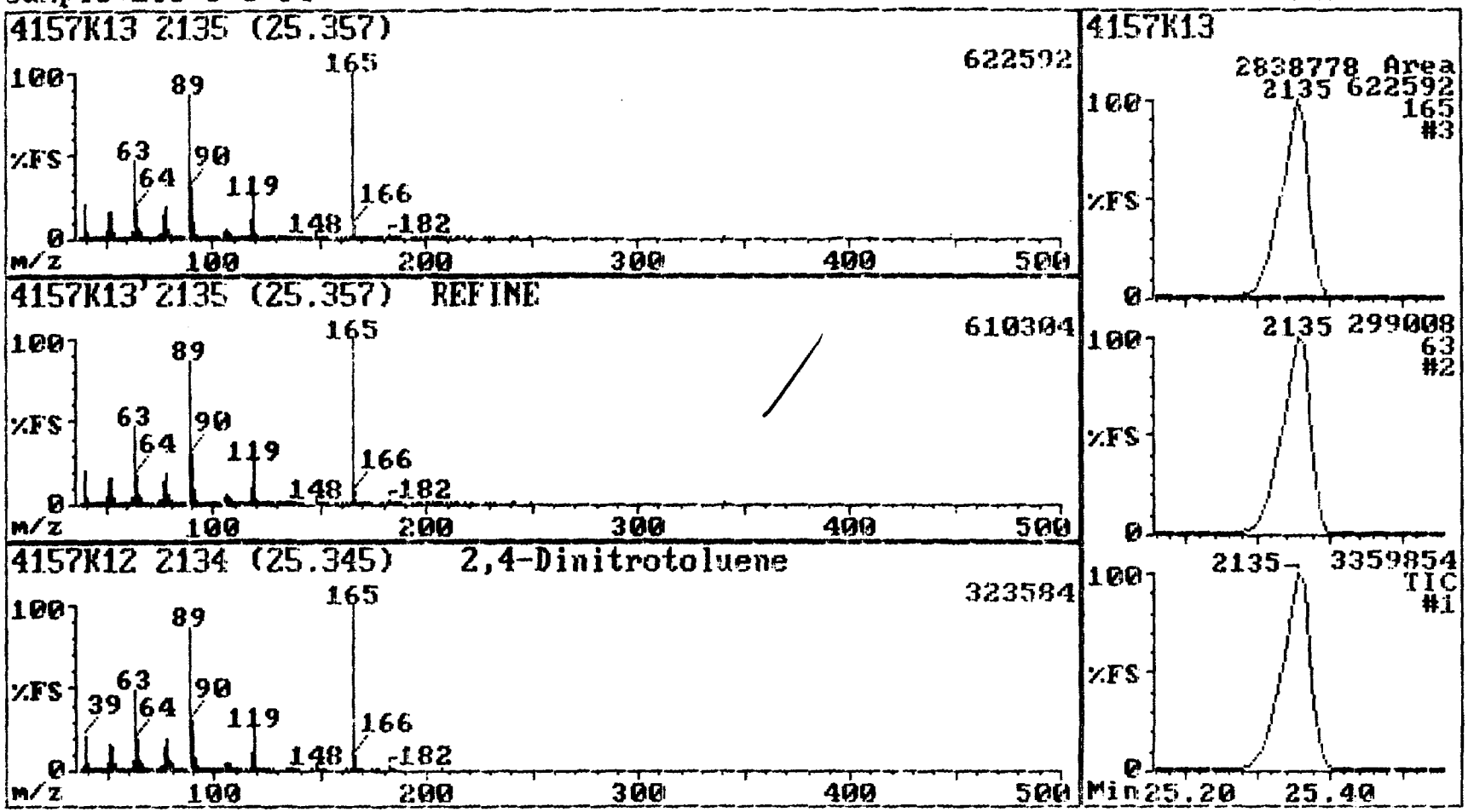
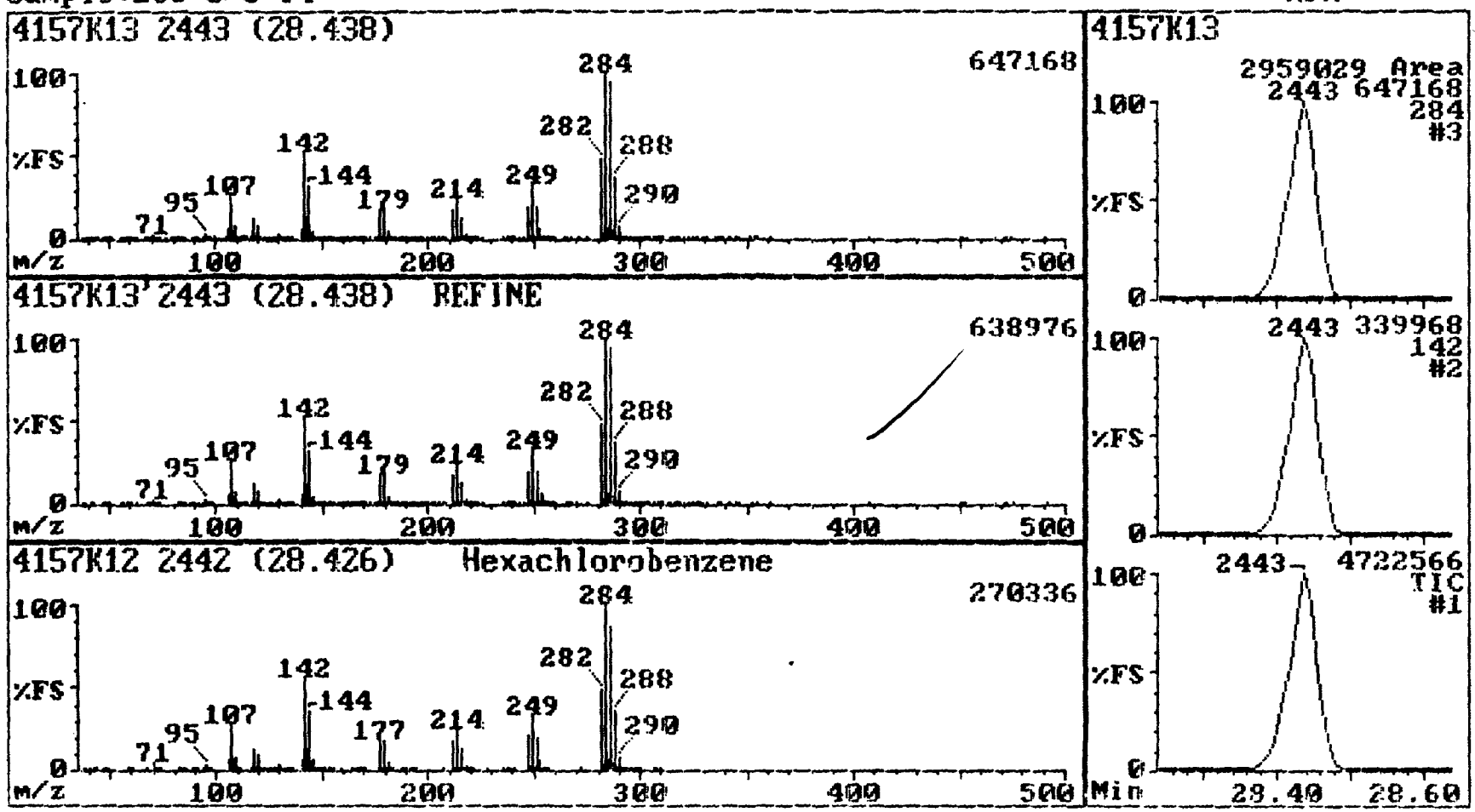
Sample:LCS 6/6/94 HPN:



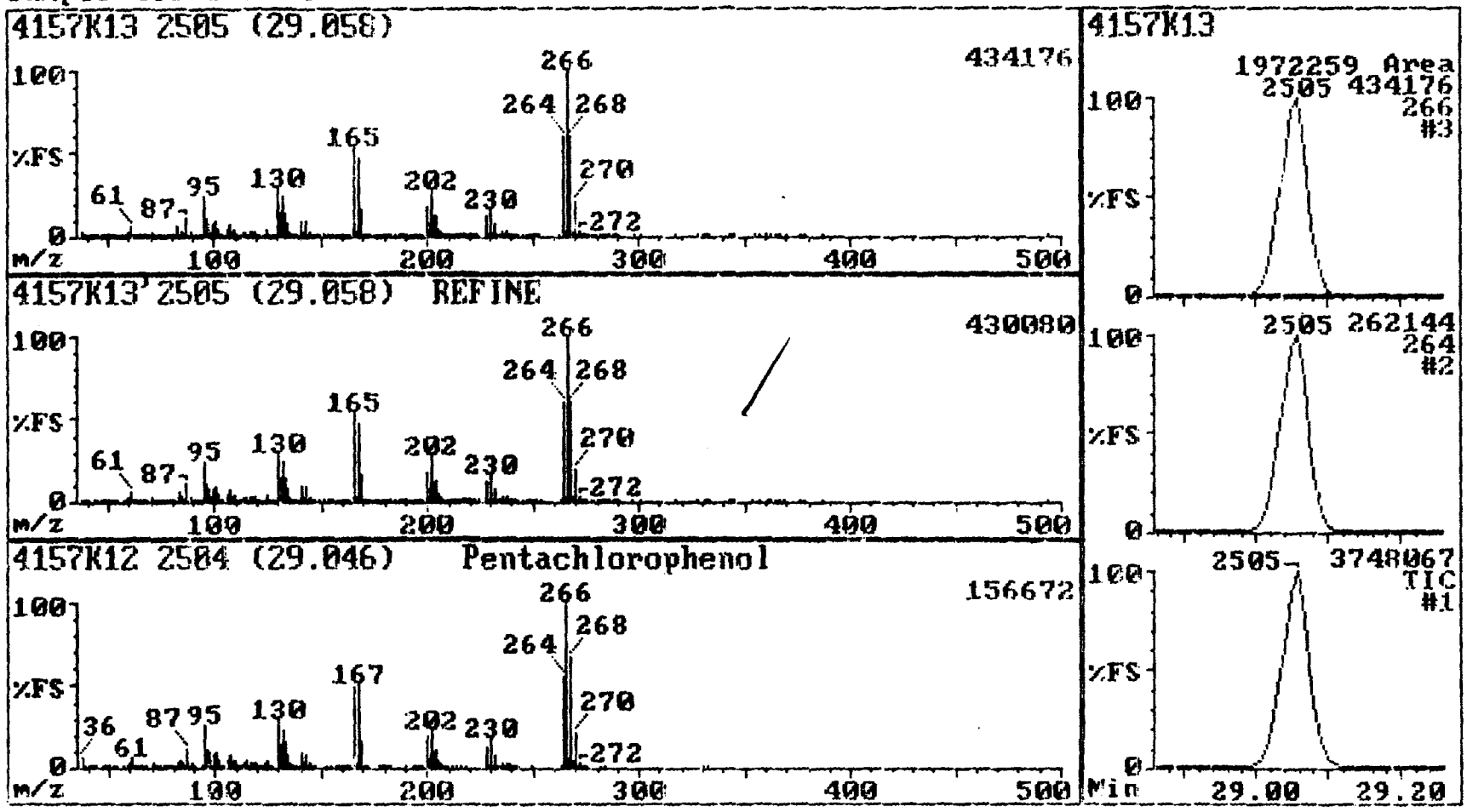
File:4157K13 06/06/94 18:04 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:LCS 6/6/94 HPN:



File:4157K13 06/06/94 18:04 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCS 6/6/94 HPN:



File:4157K13 06/06/94 18:04 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCS 6/6/94 HPN:



DAILY CALIBRATION CHECK

DATE : 06/07/94

TIME : 08:33

LAB FILE ID: 4157K12

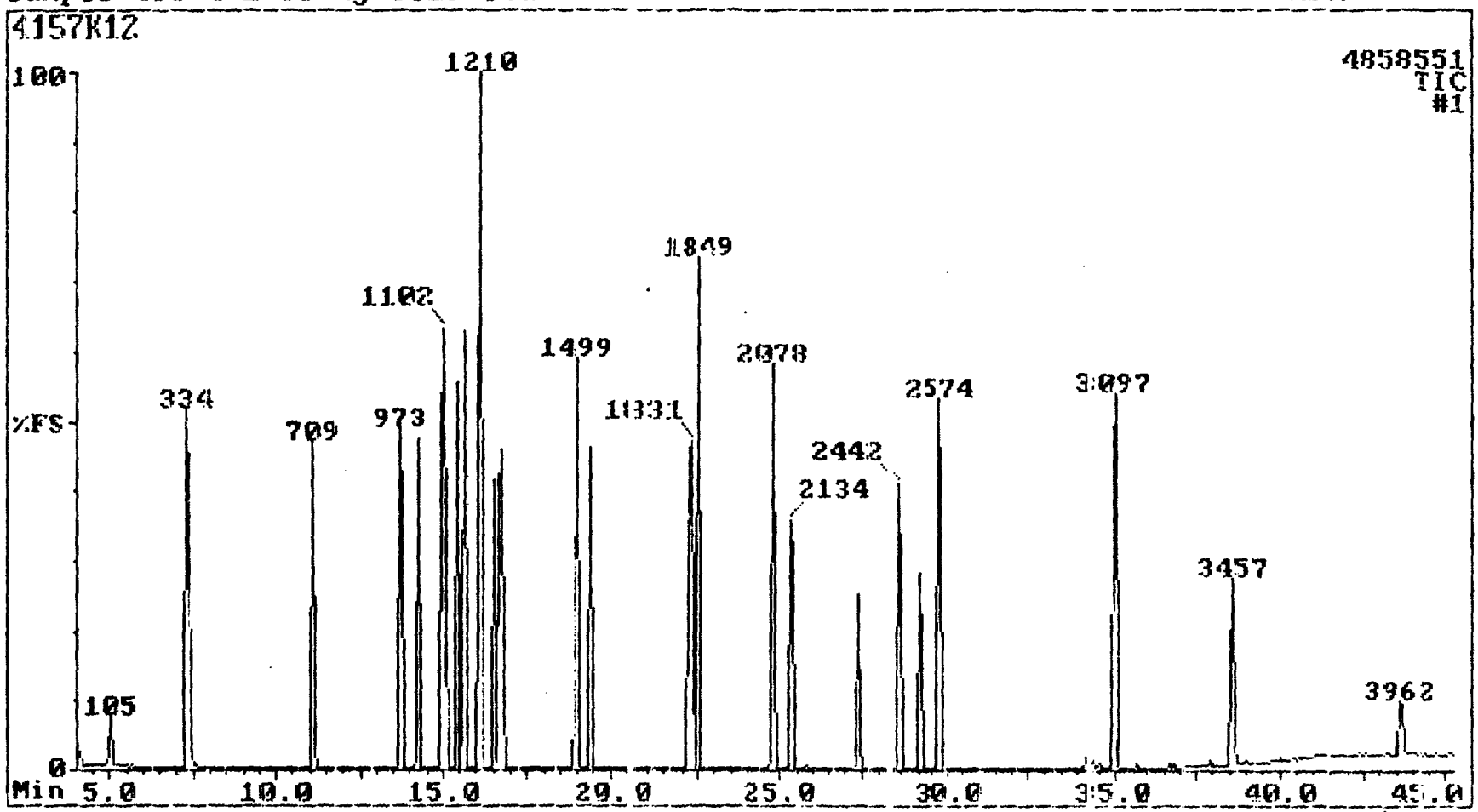
	COMPOUND	FLAG	RF MEAN	RF 50	%D
4	Pyridine		1.665	1.783	-7.1
5	1,4-Dichlorobenzene	CCC	1.599	1.639	-2.5
6	2-Methyphenol		1.548	1.580	-2.1
7	3 & 4-Methylphenol		1.581	1.612	-2.0
8	Hexachloroethane		0.651	0.688	-5.6
13	Nitrobenzene		0.396	0.405	-2.3
14	Hexachlorobutadiene	CCC	0.130	0.131	-1.3
18	2,4,6-Trichlorophenol	CCC	0.310	0.317	-2.2
19	2,4,5-Trichlorophenol		0.327	0.337	-2.9
20	2,4-Dinitrotoluene		0.315	0.322	-2.4
22	Hexachlorobenzene		0.187	0.193	-3.3
23	Pentachlorophenol	CCC	0.096	0.105	-9.2
2	2-Fluorophenol	S	1.445	1.550	-7.3
3	Phenol-d5	S	1.824	1.885	-3.4
9	2-Chlorophenol-d4	S	1.457	1.566	-7.4
10	1,2-Dichlorobenzene-d4	S	0.985	1.022	-3.7
12	Nitrobenzene-d5	S	0.393	0.403	-2.4
16	2-Fluorobiphenyl	S	1.207	1.231	-2.0
17	2,4,6-Tribromophenol	S	0.126	0.147	-16.7
25	Terphenyl-d14	S	1.446	1.348	6.8

! = FAILS METHOD CALIBRATION CRITERIA
- SPCC RF > 0.050
CCC Difference < 30
* = Exceeds calibration warning limits
Difference < 20

QUAN DB : 4157K12 LAB-BASE QUAN 06/07/94 08:44

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.97	1.00	1097	0	94	97	1397253	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	11.09	0.74	709	0	96	97	2707786	bv	112	2-Fluorophenol	50.0	S
3	13.73	0.92	973	0	97	98	3292762	bv	99	Phenol-d5	50.0	S
4	7.34	0.49	334	1	98	99	3113824	b?	79	Pyridine	50.0	
5	15.02	1.00	1102	0	96	97	2861896	bv	146	1,4-Dichlorobenzene	50.0	CC
6	15.62	1.04	1162	0	97	97	2759347	bv	108	2-Methyphenol	50.0	
7	16.10	1.08	1210	-1	96	97	5632578	bv	108	3 & 4-Methylphenol	100.0	
8	16.55	1.11	1255	-1	97	98	1201339	bb	117	Hexachloroethane	50.0	
9	14.26	0.95	1026	0	95	97	2734300	bv	132	2-Chlorophenol-d4	50.0	S
10	15.44	1.03	1144	-1	94	96	1784696	bv	152	1,2-Dichlorobenzene-d4	50.0	S
11	18.99	1.27	1498	-1	94	97	6229975	vv	136	Naphthalene-d8	40.0	I
12	16.67	0.88	1267	0	93	96	3136281	vv	82	Nitrobenzene-d5	50.0	S
13	16.74	0.88	1274	1	96	97	3154975	vv	77	Nitrobenzene	50.0	
14	19.42	1.02	1542	0	93	97	1023771	bb	225	Hexachlorobutadiene	50.0	CC
15	24.79	1.31	2078	1	95	96	3188807	bv	164	Acenaphthene-d10	40.0	I
16	22.50	0.91	1849	0	93	97	4907244	vv	172	2-Fluorobiphenyl	50.0	S
17	27.39	1.10	2338	0	88	97	587665	bv	330	2,4,6-Tribromophenol	50.0	S
18	22.21	0.90	1820	0	93	98	1263775	bv	196	2,4,6-Trichlorophenol	50.0	CC
19	22.32	0.90	1831	0	92	97	1342556	vv	196	2,4,5-Trichlorophenol	50.0	
20	25.35	1.02	2134	0	94	97	1284582	bv	165	2,4-Dinitrotoluene	50.0	
21	29.75	1.20	2574	0	91	95	5202084	bv	188	Phenanthrene-d10	40.0	I
22	28.43	0.96	2442	-1	88	93	1257615	bv	284	Hexachlorobenzene	50.0	
23	29.05	0.98	2504	-1	82	95	684510	bv	266	Pentachlorophenol	50.0	CC
24	38.57	1.30	3456	-1	85	90	2653285	bv	240	Chrysene-d12	40.0	I
25	34.98	0.91	3057	0	86	93	4472084	bb	244	Terphenyl-d14	50.0	S
26	43.63	1.13	3962	1	68	86	1321290	b?	264	Perylene-d12	40.0	I

File:4157K12 06/06/94 17:06 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:496-4-2 50 ng TCLP Std HPN:



Interim Report LAB-BASE FIND 06/07/94 08:30

Raw Datafile : 415/K12 Quan DB : 415/K12
Find DB : TCLP8270 Scan DB :

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Scan Pred	QM	Compound Name
1	100	94	97	0	1397253	bb	1097	1097	152	1,4-Dichlorobenzene-d4
	75	95	97	47	1784696	bv	1144			
2	100	96	97	0	2707786	bv	709	709	112	2-Fluorophenol
3	100	97	98	0	3292782	bv	973	973	99	Phenol-d5
4	100	98	99	1	3113824	b?	334	333	79	Pyridine
5	100	96	97	0	2861898	bv	1102	1102	146	1,4-Dichlorobenzene
6	100	97	97	0	2759347	bv	1162	1162	108	2-Methyphenol
7	100	96	97	-1	5632578	bv	1210	1211	108	3 & 4-Methylphenol
8	100	97	98	-1	1201339	bb	1255	1256	117	Hexachloroethane
9	100	95	97	0	2734300	bv	1026	1026	132	2-Chlorophenol-d4
10	100	94	96	-1	1784696	bv	1144	1145	152	1,2-Dichlorobenzene-d4
11	100	94	97	-1	6229975	vv	1498	1499	136	Naphthalene-d8
12	100	93	96	0	3136281	vv	1267	1267	82	Nitrobenzene-d5
13	100	96	97	1	3154975	vv	1274	1273	77	Nitrobenzene
14	100	93	97	0	1023771	bb	1542	1542	225	Hexachlorobutadiene
15	100	95	96	1	3188807	bv	2078	2077	164	Acenaphthene-d10
16	100	93	97	0	4907244	vv	1849	1849	172	2-Fluorobiphenyl
17	100	88	97	0	587665	bv	2338	2338	330	2,4,6-Tribromophenol
18	100	93	98	0	1263775	bv*	1820	1820	196	2,4,6-Trichlorophenol
19	100	92	97	0	1342556	vv	1831	1831	196	2,4,5-Trichlorophenol
20	100	94	97	0	1264582	bv	2134	2134	165	2,4-Dinitrotoluene
21	100	91	95	0	5202084	bv	2574	2574	188	Phenanthrene-d10
22	100	88	93	-1	1257615	bv	2442	2443	284	Hexachlorobenzene
23	100	82	95	-1	684510	bv	2504	2505	266	Pentachlorophenol
24	100	85	90	-1	2653285	bv	3456	3457	240	Chrysene-d12
25	100	86	93	0	4472084	bb	3097	3097	244	Terphenyl-d14
26	91	68	86	1	1321290	b?	3962	3961	264	Perylene-d12

SW-846 DFTPP TUNE CHECK REPORT

Datafile : 4157K11

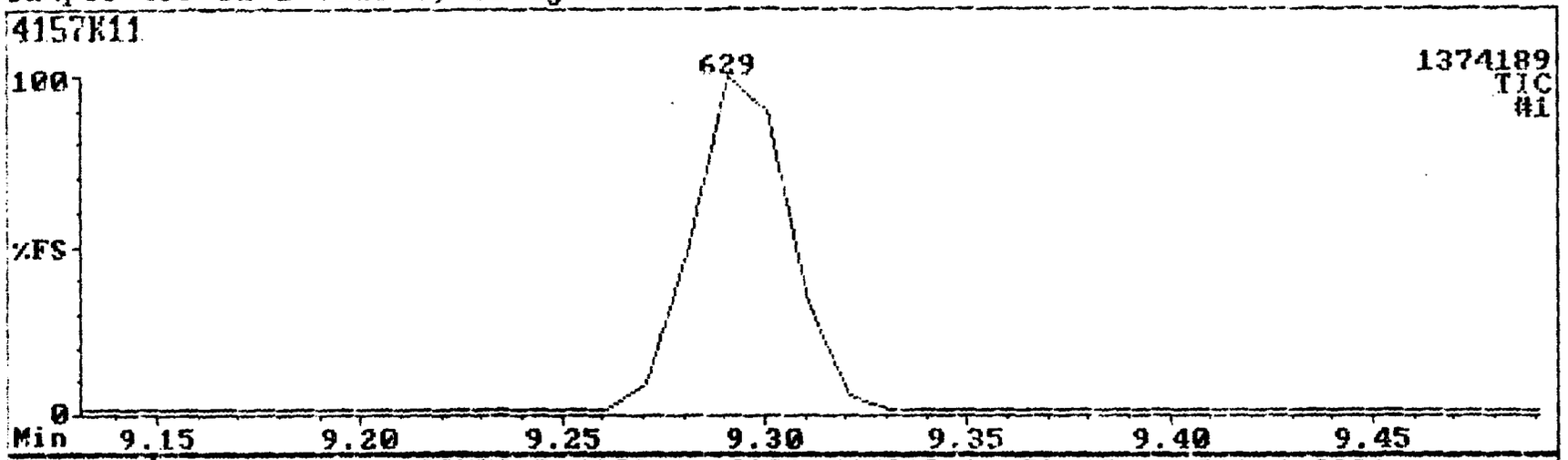
Date : 06/06/94
Time : 16:45

M/E	ION ABUNDANCE CRITERIA	ABUNDANCE	TUNE
51	30.0 - 60.0% of mass 198	42.27	PASS
68	Less than 2.0% of mass 69	0.04(0.2)1	PASS
69	Mass 69 relative abundance	18.17	PASS
70	Less then 2.0% of mass 69	0.21(1.2)1	PASS
127	40.0 - 60.0% of mass 198	56.83	PASS
197	Less than 1% of mass 198	0.16	PASS
198	Base peak, 100% relative abundance	100.00	PASS
199	5 - 9% of mass 198	6.65	PASS
275	10 - 30% of mass 198	20.50	PASS
365	greater than 1.0% of mass 198	1.72	PASS
441	Present, but less then mass 443	13.85	PASS
442	greater than 40.0% of mass 198	107.91	PASS
443	17.0 - 23.0% of mass 442	19.60(18.2)2	PASS

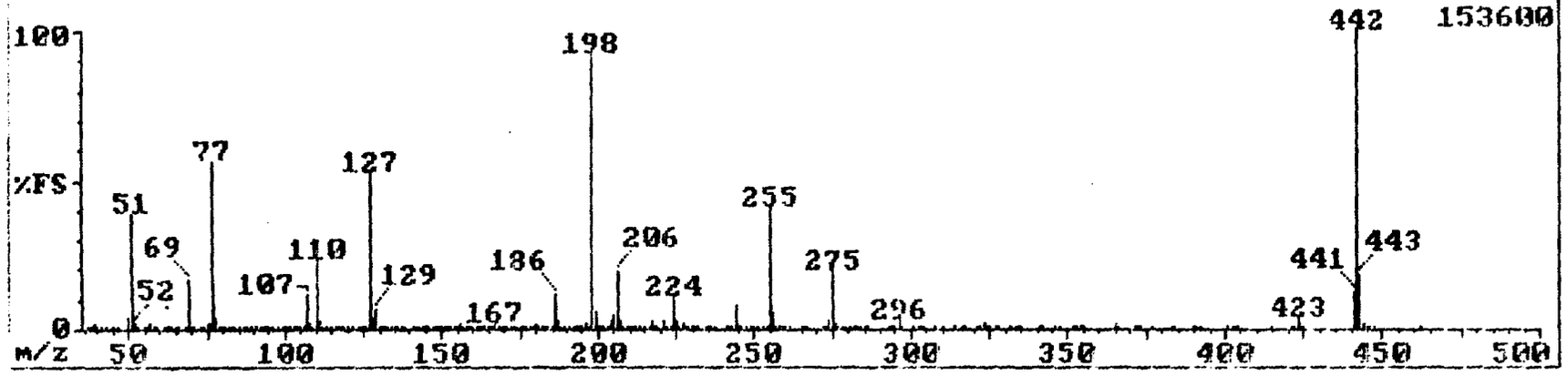
4157K11'629 (9.291) COMBINE:(628 to 630)-((619 to 0)+(0 to 0))*1.000) 153600

Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int
35	56	0.04	93	512	0.33	145	148	0.10	193	1200	0.78	246	864	0.56	322	74	0.05
36	724	0.47	94	131	0.09	146	41	0.03	194	191	0.12	247	212	0.14	323	2672	1.74
37	99	0.06	95	83	0.05	147	448	0.29	195	88	0.06	249	448	0.29	324	524	0.34
38	400	0.26	96	280	0.18	148	676	0.44	196	2352	1.53	250	42	0.03	325	36	0.02
39	3216	2.09	98	264	0.17	149	157	0.10	197	233	0.15	251	30	0.02	327	492	0.32
40	189	0.12	99	752	0.49	150	143	0.09	198	142336	92.67	253	138	0.09	328	260	0.17
41	250	0.16	100	42	0.03	151	260	0.17	199	9472	6.17	254	73	0.05	332	113	0.07
43	19	0.01	101	2208	1.44	152	51	0.03	200	872	0.57	255	63232	41.17	333	206	0.13
45	104	0.07	102	93	0.06	153	219	0.14	201	532	0.35	256	9600	6.25	334	1808	1.18
47	67	0.04	103	241	0.16	154	214	0.14	202	236	0.15	257	808	0.53	335	528	0.34
50	5568	3.62	104	39	0.03	155	1184	0.77	203	215	0.14	258	1760	1.15	341	340	0.22
51	60160	39.17	105	184	0.12	156	2656	1.73	204	3744	2.44	259	304	0.20	342	170	0.11
52	3376	2.20	106	115	0.07	157	416	0.27	205	6976	4.54	260	66	0.04	346	424	0.28
53	219	0.14	107	17152	11.17	158	136	0.09	206	29952	19.50	261	139	0.09	347	94	0.02
55	84	0.05	108	3136	2.04	159	184	0.12	207	3888	2.53	265	464	0.30	352	824	0.54
56	328	0.21	109	127	0.08	160	383	0.25	208	492	0.32	266	55	0.04	353	596	0.39
57	3024	1.97	110	36352	23.67	161	1056	0.69	209	132	0.09	267	14	0.01	354	980	0.64
58	130	0.08	111	4288	2.79	162	336	0.22	210	238	0.15	272	67	0.04	355	260	0.17
59	89	0.06	112	400	0.26	163	183	0.12	211	1264	0.82	273	2096	1.36	365	2448	1.59
61	119	0.08	113	103	0.07	164	37	0.02	212	165	0.11	274	5120	3.33	366	332	0.22
62	154	0.10	115	47	0.03	165	184	0.12	213	80	0.05	275	29184	19.00	371	203	0.13
63	932	0.61	116	101	0.07	166	512	0.33	215	41	0.03	276	3664	2.39	372	1600	1.04
64	134	0.09	117	1008	0.66	167	3440	2.24	216	230	0.15	277	1488	0.97	373	404	0.26
65	1552	1.01	118	100	0.07	168	1616	1.05	217	4864	3.17	278	243	0.16	377	33	0.02
66	109	0.07	119	24	0.02	169	348	0.23	218	792	0.52	279	54	0.04	383	460	0.30
68	53	0.03	120	134	0.09	170	65	0.04	219	61	0.04	281	99	0.06	384	44	0.03
69	25856	16.83	122	76	0.05	171	30	0.02	221	5056	3.29	282	45	0.03	390	246	0.16
70	300	0.20	123	336	0.22	172	98	0.06	222	700	0.46	283	304	0.20	391	138	0.09
71	32	0.02	124	97	0.06	173	380	0.25	223	1504	0.98	284	169	0.11	392	38	0.02
73	264	0.17	125	484	0.32	174	940	0.61	224	16064	10.46	285	432	0.28	401	179	0.12
74	648	0.42	126	30	0.02	175	2112	1.38	225	3936	2.56	286	30	0.02	402	684	0.45
75	3424	2.23	127	80896	52.67	176	444	0.29	226	332	0.22	293	556	0.36	403	1120	0.73
76	3232	2.10	128	5376	3.50	177	392	0.26	227	2704	1.76	294	108	0.07	404	380	0.25
77	87040	56.67	129	10944	7.12	178	48	0.03	228	424	0.28	295	33	0.02	415	75	0.05
78	6336	4.13	130	1000	0.65	179	2144	1.40	229	1104	0.72	296	4736	3.08	421	1056	0.69
79	504	0.33	131	225	0.15	180	2848	1.85	230	189	0.12	297	680	0.44	422	816	0.53
80	376	0.24	132	144	0.09	181	1472	0.96	231	556	0.36	301	30	0.02	423	6400	4.17
81	1488	0.97	133	124	0.08	182	228	0.15	232	77	0.05	302	50	0.03	424	1280	0.83
82	660	0.43	134	146	0.10	183	31	0.02	234	79	0.05	303	896	0.58	425	125	0.08
83	1392	0.91	135	1184	0.77	184	90	0.06	235	364	0.24	304	284	0.18	441	19712	12.83
84	61	0.04	136	300	0.20	185	1408	0.92	236	228	0.15	308	33	0.02	442	153600	100.00
85	232	0.15	137	768	0.50	186	17408	11.33	237	448	0.29	310	89	0.06	443	27904	18.17
87	151	0.10	138	250	0.16	187	4992	3.25	241	147	0.10	314	304	0.20	444	2768	1.80
88	101	0.07	141	696	0.45	188	492	0.32	242	780	0.51	315	564	0.37	445	264	0.17
89	31	0.02	142	336	0.22	189	138	0.09	243	820	0.53	316	512	0.33	446	79	0.05
91	188	0.12	143	440	0.29	191	216	0.14	244	12096	7.88	317	63	0.04	447	107	0.07
92	174	0.11	144	73	0.05	192	800	0.52	245	1488	0.97	321	268	0.17	462	29	0.02

File:4157K11 06/06/94 16:45 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:436-51-1 vial 4, 50 ng DFTPP HPN:



4157K11 629 (9.291) COMBINE:(628 to 630)-(((619 to 0)+(0 to 0))*1.000)



QUAN DB : 4157K10 LAB-BASE QUAN 06/06/94 16:57

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.97	1.00	1097	0	96	97	1448535	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	11.10	0.74	710	1	96	97	4030980	bv	112	2-Fluorophenol	80.3	S
3	13.73	0.92	973	0	97	98	3229713	bv	99	Phenol-d5	49.6	S
4	7.33	0.49	0	0	0	0	0		79	Pyridine	0.0	
5	15.02	1.00	0	0	0	0	0		146	1,4-Dichlorobenzene	0.0	CC
6	15.62	1.04	0	0	0	0	0		108	2-Methyphenol	0.0	
7	16.11	1.08	0	0	0	0	0		108	3 & 4-Methylphenol	0.0	
8	16.56	1.11	0	0	0	0	0		117	Hexachloroethane	0.0	
9	14.27	0.95	1027	1	96	97	6386325	bv	132	2-Chlorophenol-d4	123.8	S
10	15.45	1.03	0	0	0	0	0		152	1,2-Dichlorobenzene-d4	0.0	S
11	18.99	1.27	1499	0	92	96	5544060	bv	136	Naphthalene-d8	40.0	I
12	16.68	0.88	1268	0	95	97	5089465	bv	82	Nitrobenzene-d5	95.8	S
13	16.74	0.88	0	0	0	0	0		77	Nitrobenzene	0.0	
14	19.43	1.02	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
15	24.77	1.30	2077	-1	94	95	3165715	bv	164	Acenaphthene-d10	40.0	I
16	22.50	0.91	1850	2	93	98	6504643	bv	172	2-Fluorobiphenyl	68.6	S
17	27.39	1.11	2339	2	83	97	1323044	bv	330	2,4,6-Tribromophenol	122.8	S
18	22.20	0.90	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
19	22.31	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
20	25.34	1.02	0	0	0	0	0		165	2,4-Dinitrotoluene	0.0	
21	29.74	1.20	2574	1	91	94	4692938	vv	188	Phenanthrene-d10	40.0	I
22	28.43	0.96	0	0	0	0	0		284	Hexachlorobenzene	0.0	
23	29.05	0.98	0	0	0	0	0		266	Pentachlorophenol	0.0	CC
24	38.57	1.30	3457	0	81	87	2097533	bv	240	Chrysene-d12	40.0	I
25	34.99	0.91	3099	1	85	93	7341148	bv	244	Terphenyl-d14	109.0	S
26	43.62	1.13	3962	0	62	82	855988	bv	264	Perylene-d12	40.0	I

Datafile : 4157K10

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	625668	1448535	2502670
Naphthalene-d8	2531333	5544060	10125330
Acenaphthene-d10	1410990	3165715	5643958
Phenanthrene-d10	2319433	4692988	9277732
Chrysene-d12	1152549	2097533	4610196
Perylene-d12	650243	855988	2600972

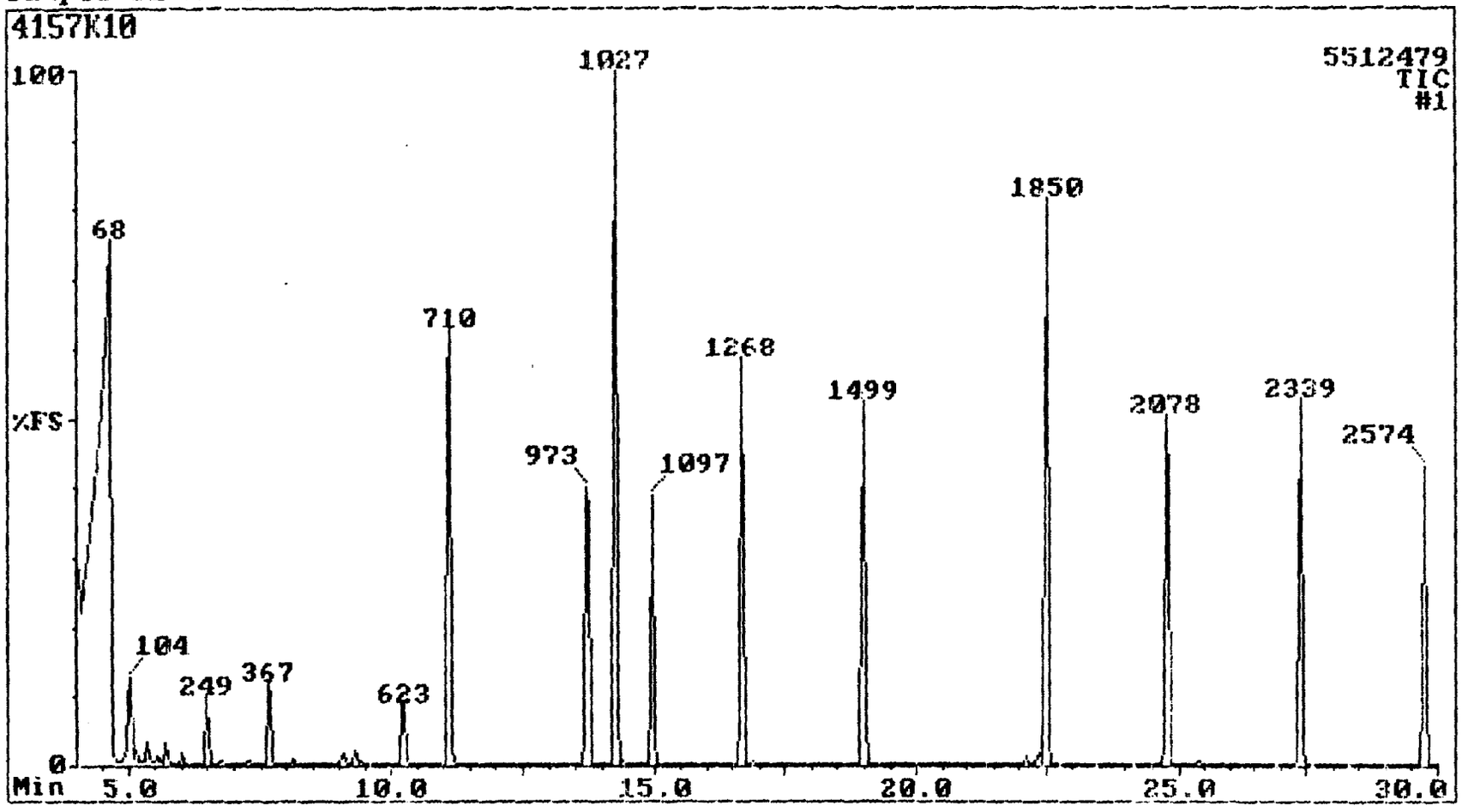
Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	14.97	14.97
Naphthalene-d8	18.99	18.99
Acenaphthene-d10	24.78	24.77
Phenanthrene-d10	29.74	29.74
Chrysene-d12	38.58	38.57
Perylene-d12	43.63	43.62

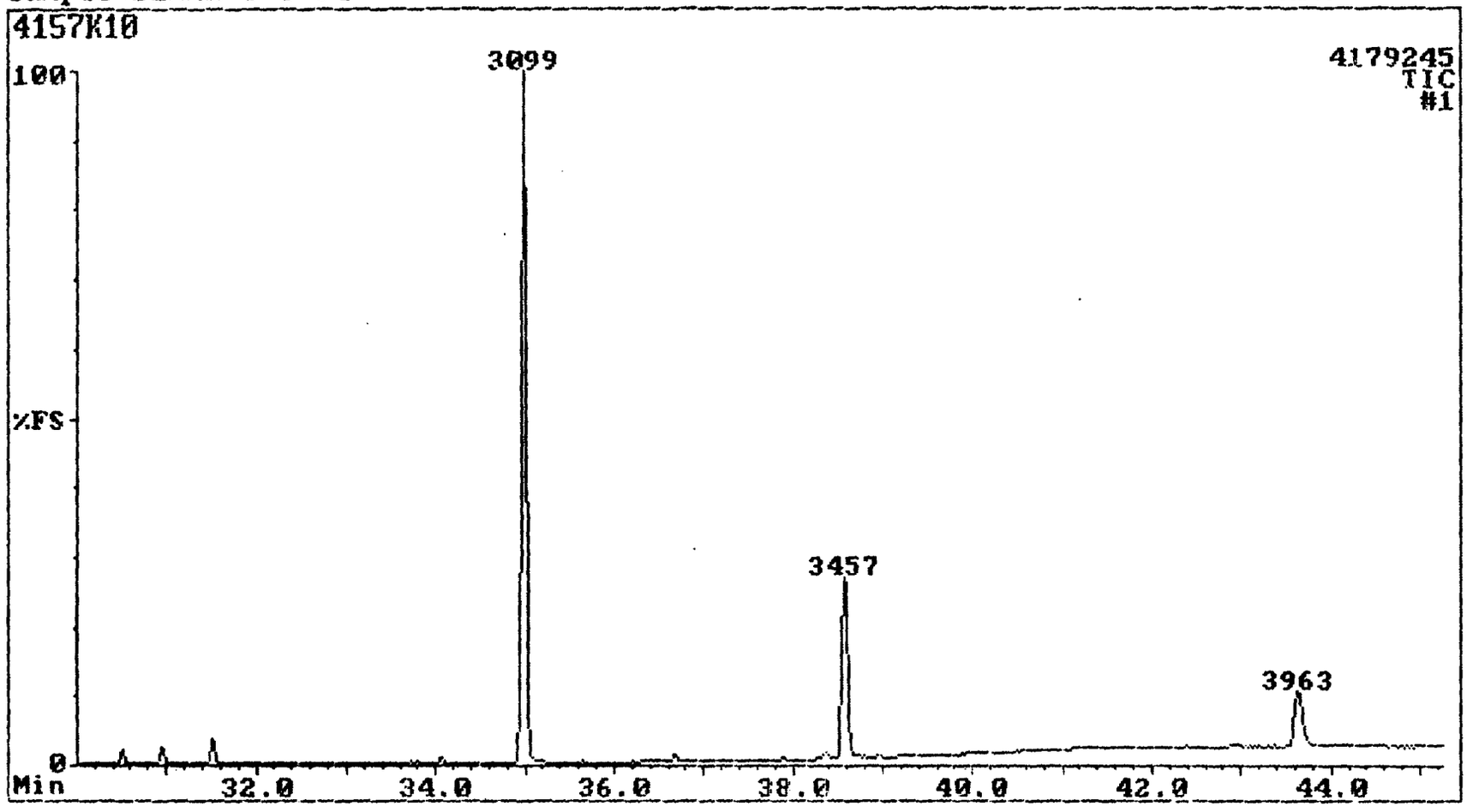
Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	80.2524	53.5	(25-121)	(21-110)	bv	4030980
Phenol-d5	49.5607	33.0	(24-113)	(10-110)	bv	3229713
2-Chlorophenol-d4	123.8414	82.6	(20-130)	(33-110)	bv	6386325
1,2-Dichlorobenzene-d4	0.0000	0.0	(20-130)	(16-110)		0
Nitrobenzene-d5	95.8136	95.8	(23-120)	(35-114)	bv	5089465
2-Fluorobiphenyl	68.5854	68.6	(30-115)	(43-116)	bv	6504643
2,4,6-Tribromophenol	122.8180	81.9	(19-122)	(10-123)	bv	1323044
Terphenyl-d14	109.0094	109.0	(18-137)	(33-141)	bv	7341148

File:4157K10 06/06/94 15:53 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:BLANK 6/6/94 HPN:



File:4157K10 06/06/94 15:53 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:BLANK 6/6/94 HPN:



Interim Report LAB-BASE FIND 06/06/94 16:44

Raw Datafile : 4157K10 Quan DB : 4157K10
Find DB : TCLP8270 Scan DB :

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	96	97	0	1448535	bb	1097	1097	152	1,4-Dichlorobenzene-d4
2	100	96	97	1	4030980	bv	710	709	112	2-Fluorophenol
3	100	97	98	0	3229713	bv	973	973	99	Phenol-d5
4	*** No Trace Found ***					*		333	79	Pyridine
5	*** No Trace Found ***							1102	146	1,4-Dichlorobenzene
6	*** No Trace Found ***							1162	108	2-Methyphenol
7	*** No Trace Found ***							1211	108	3 & 4-Methylphenol
8	*** No Trace Found ***							1256	117	Hexachloroethane
9	100	96	97	1	6386325	bv	1027	1026	132	2-Chlorophenol-d4
10	*** No Trace Found ***					*		1145	152	1,2-Dichlorobenzene-d4
11	100	92	96	0	5544060	bv	1499	1499	136	Naphthalene-d8
12	100	95	97	0	5089465	bv	1268	1268	82	Nitrobenzene-d5
13	*** No Trace Found ***					*		1274	77	Nitrobenzene
14	*** No Trace Found ***							1543	225	Hexachlorobutadiene
15	100	94	95	-1	3165715	bv	2077	2078	164	Acenaphthene-d10
16	100	93	98	2	6504643	bv	1850	1848	172	2-Fluorobiphenyl
17	100	88	97	2	1323044	bv	2339	2337	330	2,4,6-Tribromophenol
18	*** No Trace Found ***					*		1819	196	2,4,6-Trichlorophenol
19	*** No Trace Found ***							1830	196	2,4,5-Trichlorophenol
20	*** No Trace Found ***							2133	165	2,4-Dinitrotoluene
21	100	91	94	1	4692988	vv	2574	2573	188	Phenanthrene-d10
22	*** No Trace Found ***					*		2443	284	Hexachlorobenzene
23	*** No Trace Found ***							2505	266	Pentachlorophenol
24	100	81	87	0	2097533	bv	3457	3457	240	Chrysene-d12
25	100	85	93	1	7341148	bv	3099	3098	244	Terphenyl-d14
26	85	62	82	0	855988	bv	3962	3962	264	Perylene-d12

DAILY CALIBRATION CHECK

DATE : 06/06/94

TIME : 15:44

LAB FILE ID: 4157K05

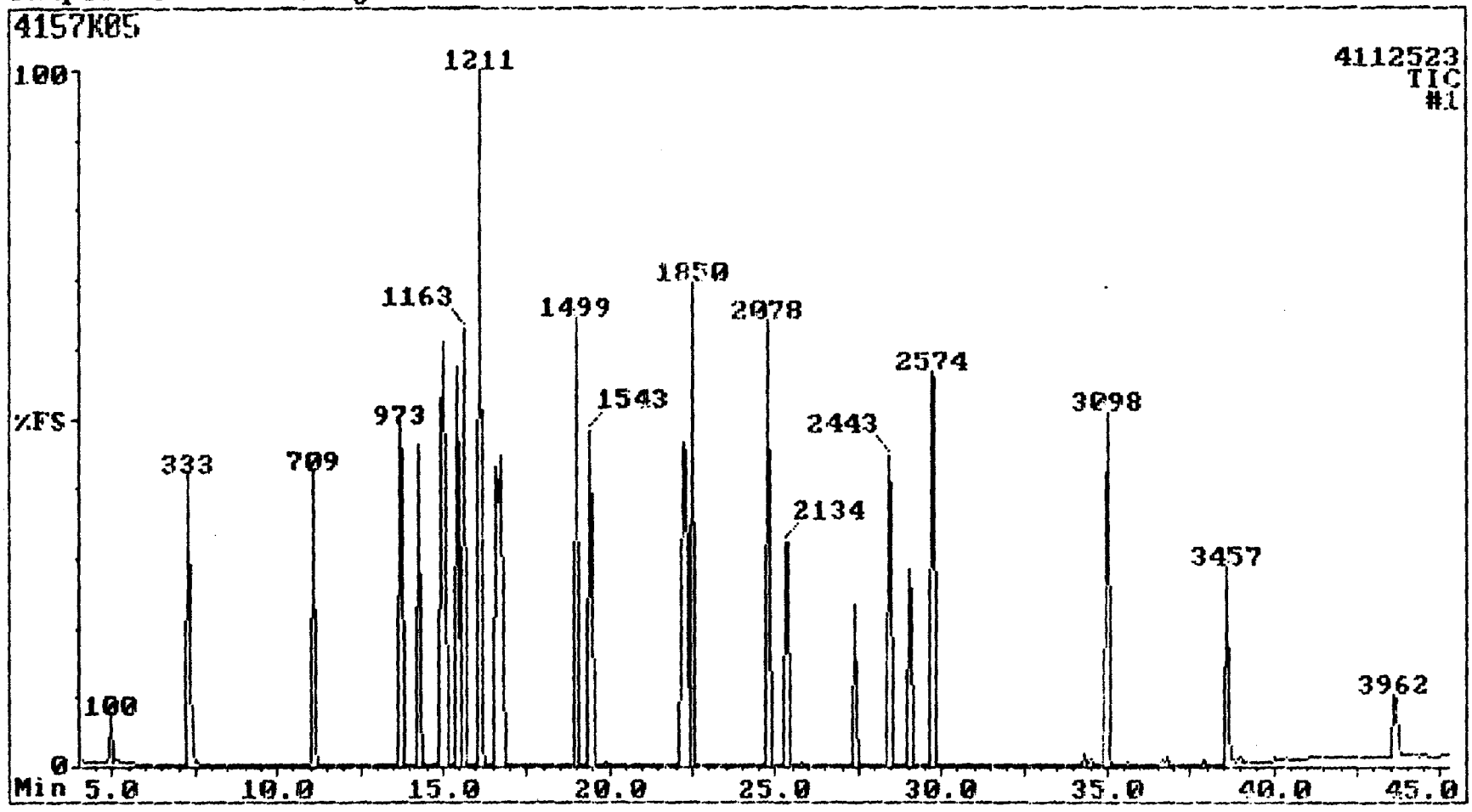
	COMPOUND	FLAG	RF MEAN	RF 50	%D
4	Pyridine		1.665	1.560	6.3
5	1,4-Dichlorobenzene	CCC	1.599	1.625	-1.6
6	2-Methyphenol		1.548	1.493	3.6
7	3 & 4-Methylphenol		1.581	1.546	2.2
8	Hexachloroethane		0.651	0.631	3.1
13	Nitrobenzene		0.396	0.367	7.4
14	Hexachlorobutadiene	CCC	0.130	0.144	-10.9
18	2,4,6-Trichlorophenol	CCC	0.310	0.298	4.0
19	2,4,5-Trichlorophenol		0.327	0.315	3.8
20	2,4-Dinitrotoluene		0.315	0.319	-1.4
22	Hexachlorobenzene		0.187	0.179	4.2
23	Pentachlorophenol	CCC	0.096	0.095	1.8
2	2-Fluorophenol	S	1.445	1.387	4.0
3	Phenol-d5	S	1.824	1.800	1.3
9	2-Chlorophenol-d4	S	1.457	1.424	2.3
10	1,2-Dichlorobenzene-d4	S	0.985	1.025	-4.0
12	Nitrobenzene-d5	S	0.393	0.383	2.6
16	2-Fluorobiphenyl	S	1.207	1.198	0.7
17	2,4,6-Tribromophenol	S	0.126	0.136	-7.8
25	Terphenyl-d14	S	1.446	1.284	11.2

! = FAILS METHOD CALIBRATION CRITERIA
- SPCC RF > 0.050
CCC Difference < 30
* = Exceeds calibration warning limits
Difference < 20

QUAN DB : 4157K05 LAB-BASE QUAN 06/06/94 16:06

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.97	1.00	1097	0	96	97	1251335	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	11.09	0.74	709	0	96	97	2169538	bv	112	2-Fluorophenol	50.0	S
3	13.73	0.92	973	0	97	98	2814756	bv	99	Phenol-d5	50.0	S
4	7.33	0.49	333	0	98	99	2440464	bv	79	Pyridine	50.0	
5	15.02	1.00	1102	0	96	97	2541703	bb	146	1,4-Dichlorobenzene	50.0	CC
6	15.62	1.04	1162	0	96	97	2334879	bv	108	2-Methyphenol	50.0	
7	16.11	1.08	1211	0	96	97	4837581	bv	108	3 & 4-Methylphenol	100.0	
8	16.56	1.11	1256	0	97	98	986715	bb	117	Hexachloroethane	50.0	
9	14.26	0.95	1026	0	96	97	2227408	bv	132	2-Chlorophenol-d4	50.0	S
10	15.45	1.03	1145	0	94	96	1603610	bb	152	1,2-Dichlorobenzene-d4	50.0	S
11	18.99	1.27	1499	0	94	97	5062665	vv	136	Naphthalene-d8	40.0	I
12	16.68	0.88	1268	0	94	97	2425305	vv	82	Nitrobenzene-d5	50.0	S
13	16.74	0.88	1274	0	96	97	2320529	bv	77	Nitrobenzene	50.0	
14	19.43	1.02	1543	0	93	97	910748	bb	225	Hexachlorobutadiene	50.0	CC
15	24.78	1.30	2078	0	94	96	2821979	bv	164	Acenaphthene-d10	40.0	I
16	22.49	0.91	1849	0	93	97	4227110	bv	172	2-Fluorobiphenyl	50.0	S
17	27.38	1.10	2338	-1	88	97	480136	bv	330	2,4,6-Tribromophenol	50.0	S
18	22.20	0.90	1820	0	92	97	1050783	bv	196	2,4,6-Trichlorophenol	50.0	CC
19	22.31	0.90	1831	0	92	97	1111007	vv	196	2,4,5-Trichlorophenol	50.0	
20	25.34	1.02	2134	0	94	96	1124944	bv	165	2,4-Dinitrotoluene	50.0	
21	29.74	1.20	2574	0	91	94	4638866	bv	188	Phenanthrene-d10	40.0	I
22	28.43	0.96	2443	1	88	93	1039258	bv	284	Hexachlorobenzene	50.0	
23	29.05	0.98	2505	0	82	96	548897	bv	266	Pentachlorophenol	50.0	CC
24	38.58	1.30	3457	0	84	89	2305098	bv	240	Chrysene-d12	40.0	I
25	34.98	0.91	3098	0	86	93	3700417	vv	244	Terphenyl-d14	50.0	S
26	43.63	1.13	3962	1	73	85	1300486	bv	264	Perylene-d12	40.0	I

File:4157K05 06/06/94 11:04 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:496-4-2 50 ng TCLP Std HPN:



INITIAL CALIBRATION CHECK

Report Date : 06/06/94
Time : 15:42

LAB FILE ID: RF20 =4157K06 RF50 =4157K05 RF80 =4157K07
RF120=4157K08 RF160=4157K09

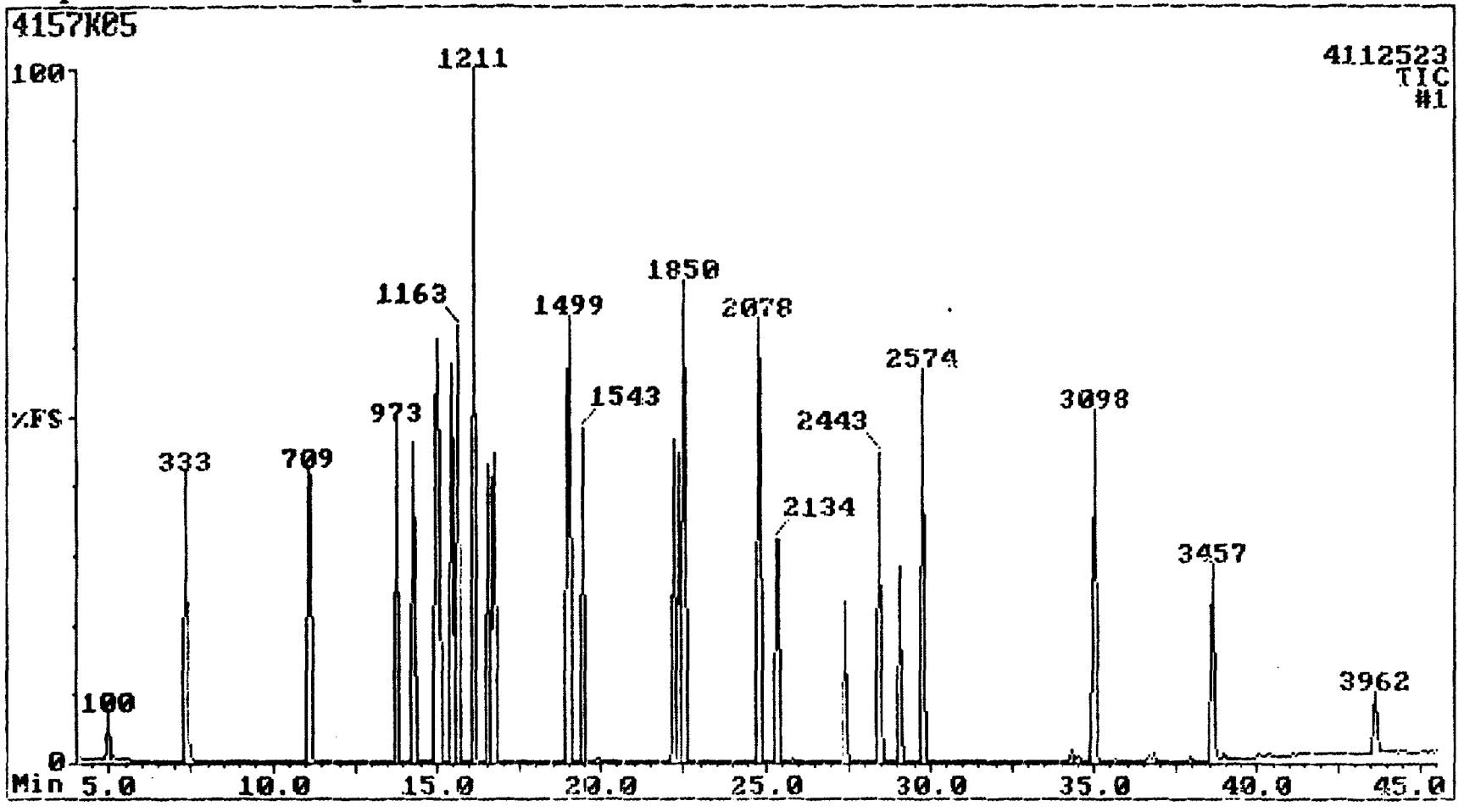
	COMPOUND	FLAG	RF 20NG	RF 50NG	RF 80NG	RF 120NG	RF 160NG	RF MEAN	%RSD
4	Pyridine		1.636	1.560	1.628	1.738	1.763	1.665	5.0
5	1,4-Dichlorobenzene	CCC	1.648	1.625	1.594	1.582	1.546	1.599	2.5
6	2-Methyphenol		1.539	1.493	1.545	1.556	1.606	1.548	2.6
7	3 & 4-Methylphenol		1.594	1.546	1.586	1.583	1.595	1.581	1.3
8	Hexachloroethane		0.650	0.631	0.663	0.651	0.661	0.651	2.0
13	Nitrobenzene		0.387	0.367	0.394	0.426	0.407	0.396	5.6
14	Hexachlorobutadiene	CCC	0.132	0.144	0.122	0.132	0.119	0.130	7.5
18	2,4,6-Trichlorophenol	CCC	0.299	0.298	0.307	0.337	0.310	0.310	5.1
19	2,4,5-Trichlorophenol		0.310	0.315	0.328	0.347	0.337	0.327	4.6
20	2,4-Dinitrotoluene		0.299	0.319	0.293	0.325	0.337	0.315	5.8
22	Hexachlorobenzene		0.190	0.179	0.193	0.180	0.194	0.187	3.8
23	Pentachlorophenol	CCC	0.073	0.095	0.093	0.111	0.110	0.096	16.0
2	2-Fluorophenol	S	1.423	1.387	1.436	1.506	1.476	1.446	3.2
3	Phenol-d5	S	1.820	1.799	1.850	1.763	1.866	1.824	1.9
9	2-Chlorophenol-d4	S	1.472	1.424	1.473	1.488	1.429	1.457	2.0
10	1,2-Dichlorobenzene-d4	S	1.020	1.025	0.974	0.961	0.947	0.985	3.6
12	Nitrobenzene-d5	S	0.386	0.383	0.388	0.410	0.400	0.394	2.9
16	2-Fluorobiphenyl	S	1.166	1.198	1.183	1.258	1.230	1.207	3.1
17	2,4,6-Tribromophenol	S	0.113	0.136	0.113	0.133	0.136	0.126	9.6
25	Terphenyl-d14	S	1.412	1.284	1.552	1.442	1.541	1.446	7.6

! = FAILS CALIBRATION CRITERIA
SPCC RF MUST BE > 0.050
CCC RSD MUST BE < 30
* = Exceeds calibration warning limits
RSD should be < 30(non-CCCs)

QUAN DB : 4157K05 LAB-BASE QUAN 06/06/94 15:43

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.97	1.00	1097	0	96	97	1251335	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	11.09	0.74	709	0	96	97	2169538	bv	112	2-Fluorophenol	50.0	S
3	13.73	0.92	973	0	97	98	2814758	bv	99	Phenol-d5	50.0	S
4	7.33	0.49	333	0	98	99	2440464	b?	79	Pyridine	50.0	
5	15.02	1.00	1102	0	96	97	2541703	bb	146	1,4-Dichlorobenzene	50.0	CC
6	15.62	1.04	1162	0	96	97	2334879	bv	108	2-Methyphenol	50.0	
7	16.11	1.08	1211	0	96	97	4837581	bv	108	3 & 4-Methylphenol	100.0	
8	16.56	1.11	1256	0	97	98	986715	bb	117	Hexachloroethane	50.0	
9	14.26	0.95	1026	0	96	97	2227408	bv	132	2-Chlorophenol-d4	50.0	S
10	15.45	1.03	1145	0	94	96	1603610	bb	152	1,2-Dichlorobenzene-d4	50.0	S
11	18.99	1.27	1499	0	94	97	5062665	vv	136	Naphthalene-d8	40.0	I
12	16.68	0.88	1268	0	94	97	2425305	vv	82	Nitrobenzene-d5	50.0	S
13	16.74	0.88	1274	0	96	97	2320529	bv	77	Nitrobenzene	50.0	
14	19.43	1.02	1543	0	93	97	910748	bb	225	Hexachlorobutadiene	50.0	CC
15	24.78	1.30	2078	0	94	96	2821979	bv	164	Acenaphthene-d10	40.0	I
16	22.49	0.91	1849	0	93	97	4227110	bv	172	2-Fluorobiphenyl	50.0	S
17	27.38	1.10	2338	-1	88	97	480136	bv	330	2,4,6-Tribromophenol	50.0	S
18	22.20	0.90	1820	0	92	97	1050783	bv	196	2,4,6-Trichlorophenol	50.0	CC
19	22.31	0.90	1831	0	92	97	1111007	vv	196	2,4,5-Trichlorophenol	50.0	
20	25.34	1.02	2134	0	94	96	1124944	bv	165	2,4-Dinitrotoluene	50.0	
21	29.74	1.20	2574	0	91	94	4638866	bv	188	Phenanthrene-d10	40.0	I
22	28.43	0.96	2443	1	88	93	1039258	bv	284	Hexachlorobenzene	50.0	
23	29.05	0.98	2505	0	82	96	548897	bv	266	Pentachlorophenol	50.0	CC
24	38.58	1.30	3457	0	84	89	2305098	bv	240	Chrysene-d12	40.0	I
25	34.98	0.91	3098	0	86	93	3700417	v?	244	Terphenyl-d14	50.0	S
26	43.63	1.13	3962	1	73	85	1300486	bv	264	Perylene-d12	40.0	I

File:4157K05 06/06/94 11:04 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:496-4-2 50 ng TCLP Std HPN:



Interim Report LAB-BASE FIND 06/06/94 11:51

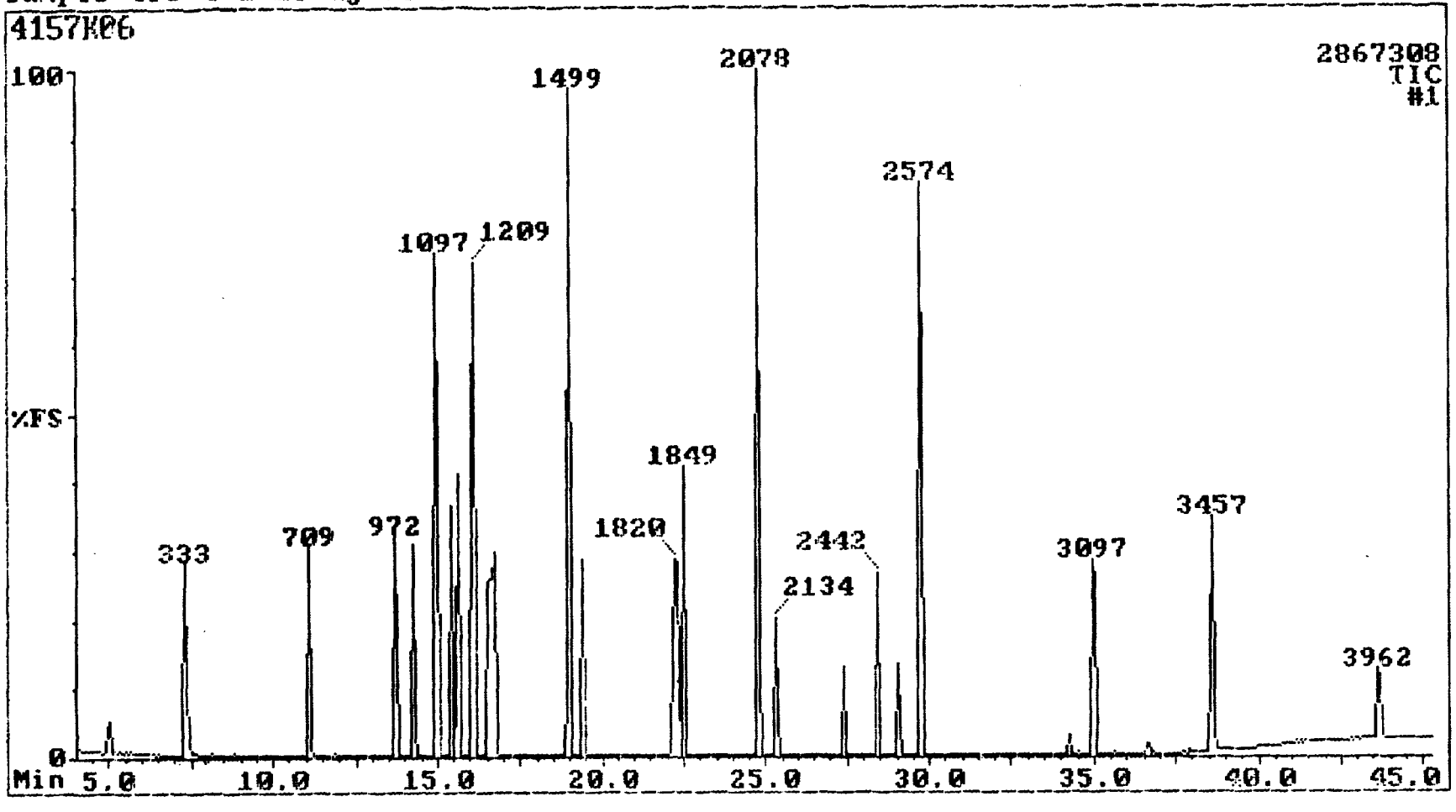
Raw Datafile : 415/K05 Quan DB : 415/K05
Find DB : TCLP8270 Scan DB :

No.	Spectrum MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	GM	Compound Name
1	100	96	97	0	1251335	bb	1097	1097	152	1,4-Dichlorobenzene-d4
	74	95	97	48	1603610	bb	1145			
2	100	96	97	0	2169538	bv	709	709	112	2-Fluorophenol
3	100	97	98	0	2814758	bv	973	973	99	Phenol-d5
4	100	98	99	0	2440464	b?	333	333	79	Pyridine
5	100	96	97	0	2541703	bb	1102	1102	146	1,4-Dichlorobenzene
6	100	96	97	0	2334879	bv	1162	1162	108	2-Methyphenol
7	100	96	97	0	4837581	bv	1211	1211	108	3 & 4-Methylphenol
8	100	97	98	0	986715	bb	1256	1256	117	Hexachloroethane
9	100	96	97	0	2227408	bv	1026	1026	132	2-Chlorophenol-d4
10	100	94	96	0	1603610	bb	1145	1145	152	1,2-Dichlorobenzene-d4
11	100	94	97	0	5062665	vv	1499	1499	136	Naphthalene-d8
12	100	94	97	0	2425305	vv	1268	1268	82	Nitrobenzene-d5
13	100	96	97	0	2320529	bv	1274	1274	77	Nitrobenzene
14	100	93	97	0	910748	bb	1543	1543	225	Hexachlorobutadiene
15	100	94	96	0	2821979	bv	2078	2078	164	Acenaphthene-d10
16	100	93	97	0	4227110	bv	1849	1849	172	2-Fluorobiphenyl
17	100	88	97	-1	480136	bv	2338	2339	330	2,4,6-Tribromophenol
18	100	92	97	0	1050783	bv*	1820	1820	196	2,4,6-Trichlorophenol
19	100	92	97	0	1111007	vv	1831	1831	196	2,4,5-Trichlorophenol
20	100	94	96	0	1124944	bv	2134	2134	165	2,4-Dinitrotoluene
21	100	91	94	0	4638866	bv	2574	2574	188	Phenanthrene-d10
22	100	88	93	1	1039258	bv	2443	2442	284	Hexachlorobenzene
23	100	82	96	0	548897	bv	2505	2505	266	Pentachlorophenol
24	100	84	89	0	2305098	bv	3457	3457	240	Chrysene-d12
25	100	86	93	0	3700417	v?	3098	3098	244	Terphenyl-d14
26	94	73	85	1	1300486	bv	3962	3961	264	Perylene-d12

QUAN DB : 4157K06 LAB-BASE QUAN 06/06/94 15:43

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.97	1.00	1097	0	96	97	1394001	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	11.09	0.74	709	0	97	98	991462	bb	112	2-Fluorophenol	20.0	S
3	13.72	0.92	972	-1	97	98	1268645	bv	99	Phenol-d5	20.0	S
4	7.33	0.49	333	0	98	99	1140400	bv	79	Pyridine	20.0	
5	15.02	1.00	1102	0	96	97	1148704	bb	146	1,4-Dichlorobenzene	20.0	CC
6	15.62	1.04	1162	0	97	97	1072736	bv	108	2-Methyphenol	20.0	
7	16.09	1.07	1209	-2	96	97	2221471	bv	108	3 & 4-Methylphenol	40.0	
8	16.56	1.11	1256	0	97	98	453039	bb	117	Hexachloroethane	20.0	
9	14.26	0.95	1026	0	96	97	1026244	bv	132	2-Chlorophenol-d4	20.0	S
10	15.44	1.03	1144	-1	94	96	710868	bb	152	1,2-Dichlorobenzene-d4	20.0	S
11	18.99	1.27	1499	0	93	96	5773089	bv	136	Naphthalene-d8	40.0	I
12	16.67	0.88	1267	-1	93	97	1113231	vv	82	Nitrobenzene-d5	20.0	S
13	16.73	0.88	1273	-1	96	97	1115727	bb	77	Nitrobenzene	20.0	
14	19.42	1.02	1542	-1	93	97	380467	bb	225	Hexachlorobutadiene	20.0	CC
15	24.78	1.30	2078	0	95	96	3036098	bv	164	Acenaphthene-d10	40.0	I
16	22.49	0.91	1849	0	93	98	1770480	bv	172	2-Fluorobiphenyl	20.0	S
17	27.38	1.11	2338	0	88	98	171676	bv	330	2,4,6-Tribromophenol	20.0	S
18	22.20	0.90	1820	0	93	98	454450	bv	196	2,4,6-Trichlorophenol	20.0	CC
19	22.31	0.90	1831	0	92	98	470707	vv	196	2,4,5-Trichlorophenol	20.0	
20	25.33	1.02	2133	-1	94	97	453288	bv	165	2,4-Dinitrotoluene	20.0	
21	29.74	1.20	2574	0	88	91	4835269	bv	188	Phenanthrene-d10	40.0	I
22	28.42	0.96	2442	-1	89	94	459308	bv	284	Hexachlorobenzene	20.0	
23	29.04	0.98	2504	-1	83	96	177592	bv	266	Pentachlorophenol	20.0	CC
24	38.57	1.30	3457	0	85	89	2047810	b?	240	Chrysene-d12	40.0	I
25	34.97	0.91	3097	-1	87	94	1445623	b?	244	Terphenyl-d14	20.0	S
26	43.62	1.13	3962	0	71	87	1015224	bv	264	Perylene-d12	40.0	I

File:4157K06 06/06/94 12:02 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:496-4-1 20 ng TCLP Std HPN:



Interim Report LAB-BASE FIND 06/06/94 13:37

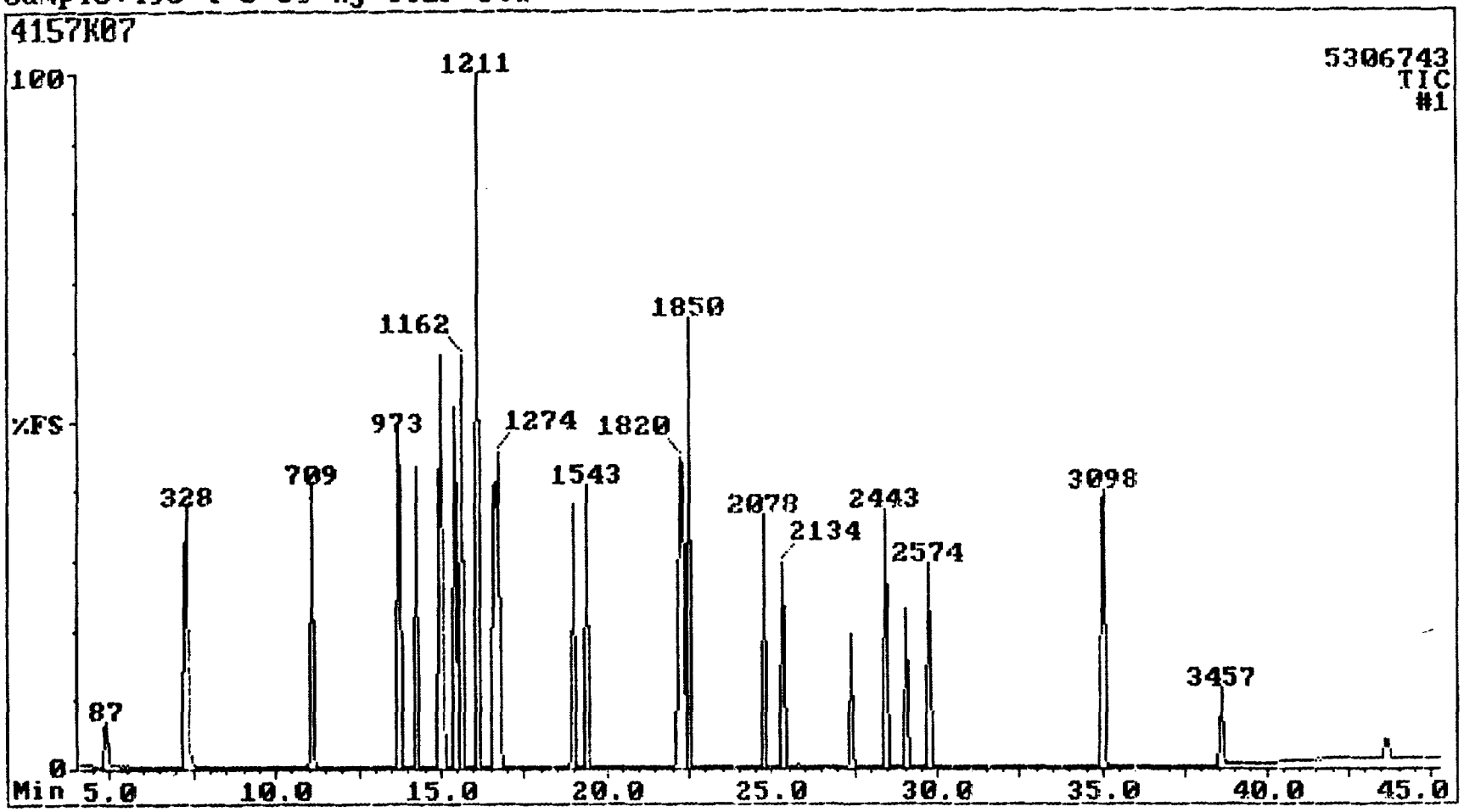
Raw Datafile : 4157K06 Quan DB : 4157K06
Find DB : TCLP8270 Scan DB :

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	GM	Compound Name
1	100	96	97	0	1394001	bb	1097	1097	152	1,4-Dichlorobenzene-d4
	75	95	97	47	710868	bb	1144			
2	100	97	98	0	991462	bb	709	709	112	2-Fluorophenol
3	100	97	98	-1	1268645	bv	972	973	99	Phenol-d5
4	100	98	99	0	1140400	bv	333	333	79	Pyridine
5	100	96	97	0	1148704	bb	1102	1102	146	1,4-Dichlorobenzene
6	100	97	97	0	1072736	bv	1162	1162	108	2-Methyphenol
7	100	96	97	-2	2221471	bv	1209	1211	108	3 & 4-Methylphenol
8	100	97	98	0	453039	bb	1256	1256	117	Hexachloroethane
9	100	96	97	0	1026244	bv	1026	1026	132	2-Chlorophenol-d4
10	100	94	96	-1	710868	bb	1144	1145	152	1,2-Dichlorobenzene-d4
11	100	93	96	0	5773089	bv	1499	1499	136	Naphthalene-d8
12	100	93	97	-1	1113231	vv	1267	1268	82	Nitrobenzene-d5
13	100	96	97	-1	1115727	bb	1273	1274	77	Nitrobenzene
14	100	93	97	-1	380467	bb	1542	1543	225	Hexachlorobutadiene
15	100	95	96	0	3036098	bv	2078	2078	164	Acenaphthene-d10
16	100	93	98	0	1770480	bv	1849	1849	172	2-Fluorobiphenyl
17	100	88	98	0	171676	bv	2338	2338	330	2,4,6-Tribromophenol
18	100	93	98	0	454450	bv*	1820	1820	196	2,4,6-Trichlorophenol
19	100	92	98	0	470707	vv	1831	1831	196	2,4,5-Trichlorophenol
20	100	94	97	-1	453288	bv	2133	2134	165	2,4-Dinitrotoluene
21	100	88	91	0	4835269	bv	2574	2574	188	Phenanthrene-d10
22	100	89	94	-1	459308	bv	2442	2443	284	Hexachlorobenzene
23	100	83	96	-1	177592	bv	2504	2505	266	Pentachlorophenol
24	100	85	89	0	2047810	b?	3457	3457	240	Chrysene-d12
25	100	87	94	-1	1445623	b?	3097	3098	244	Terphenyl-d14
26	99	71	87	0	1015224	bv	3962	3962	264	Perylene-d12

QUAN DB : 4157K07 LAB-BASE QUAN 06/06/94 15:43

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.97	1.00	1097	0	96	97	906918	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	11.09	0.74	709	0	97	98	2605150	bv	112	2-Fluorophenol	80.0	S
3	13.73	0.92	973	0	97	98	3356364	bv	99	Phenol-d5	80.0	S
4	7.28	0.49	328	-5	98	99	2952701	b?	79	Pyridine	80.0	
5	15.02	1.00	1102	0	96	97	2891838	bv	146	1,4-Dichlorobenzene	80.0	CC
6	15.62	1.04	1162	0	97	97	2801638	bv	108	2-Methyphenol	80.0	
7	16.11	1.08	1211	0	96	97	5752526	bv	108	3 & 4-Methylphenol	160.0	
8	16.56	1.11	1256	0	97	98	1202852	bb	117	Hexachloroethane	80.0	
9	14.26	0.95	1026	0	95	96	2671864	bv	132	2-Chlorophenol-d4	80.0	S
10	15.44	1.03	1144	-1	94	96	1766816	bb	152	1,2-Dichlorobenzene-d4	80.0	S
11	18.99	1.27	1499	0	93	96	3807031	bv	136	Naphthalene-d8	40.0	I
12	16.68	0.88	1268	0	95	97	2951164	vv	82	Nitrobenzene-d5	80.0	S
13	16.74	0.88	1274	0	96	97	2996122	bv	77	Nitrobenzene	80.0	
14	19.42	1.02	1542	-1	93	97	930196	bb	225	Hexachlorobutadiene	80.0	CC
15	24.78	1.30	2078	0	95	96	1989065	bv	164	Acenaphthene-d10	40.0	I
16	22.50	0.91	1850	1	93	98	4704014	bv	172	2-Fluorobiphenyl	80.0	S
17	27.38	1.11	2338	0	88	98	450059	bv	330	2,4,6-Tribromophenol	80.0	S
18	22.20	0.90	1820	0	93	98	1223028	bv	196	2,4,6-Trichlorophenol	80.0	CC
19	22.31	0.90	1831	0	92	97	1304187	vv	196	2,4,5-Trichlorophenol	80.0	
20	25.34	1.02	2134	0	94	97	1167191	bv	165	2,4-Dinitrotoluene	80.0	
21	29.74	1.20	2574	0	91	95	2918813	bv	188	Phenanthrene-d10	40.0	I
22	28.43	0.96	2443	0	89	94	1124068	bv	284	Hexachlorobenzene	80.0	
23	29.05	0.98	2505	0	82	96	541676	bv	266	Pentachlorophenol	80.0	CC
24	38.57	1.30	3457	0	84	90	1196777	bv	240	Chrysene-d12	40.0	I
25	34.98	0.91	3098	0	86	94	3715492	bv	244	Terphenyl-d14	80.0	S
26	43.63	1.13	3963	1	59	83	539858	bv	264	Perylene-d12	40.0	I

File:4157K07 06/06/94 13:00 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:496-4-3 80 ng TCLP Std HPN:



Interim Report LAB-BASE FIND 06/06/94 13:58

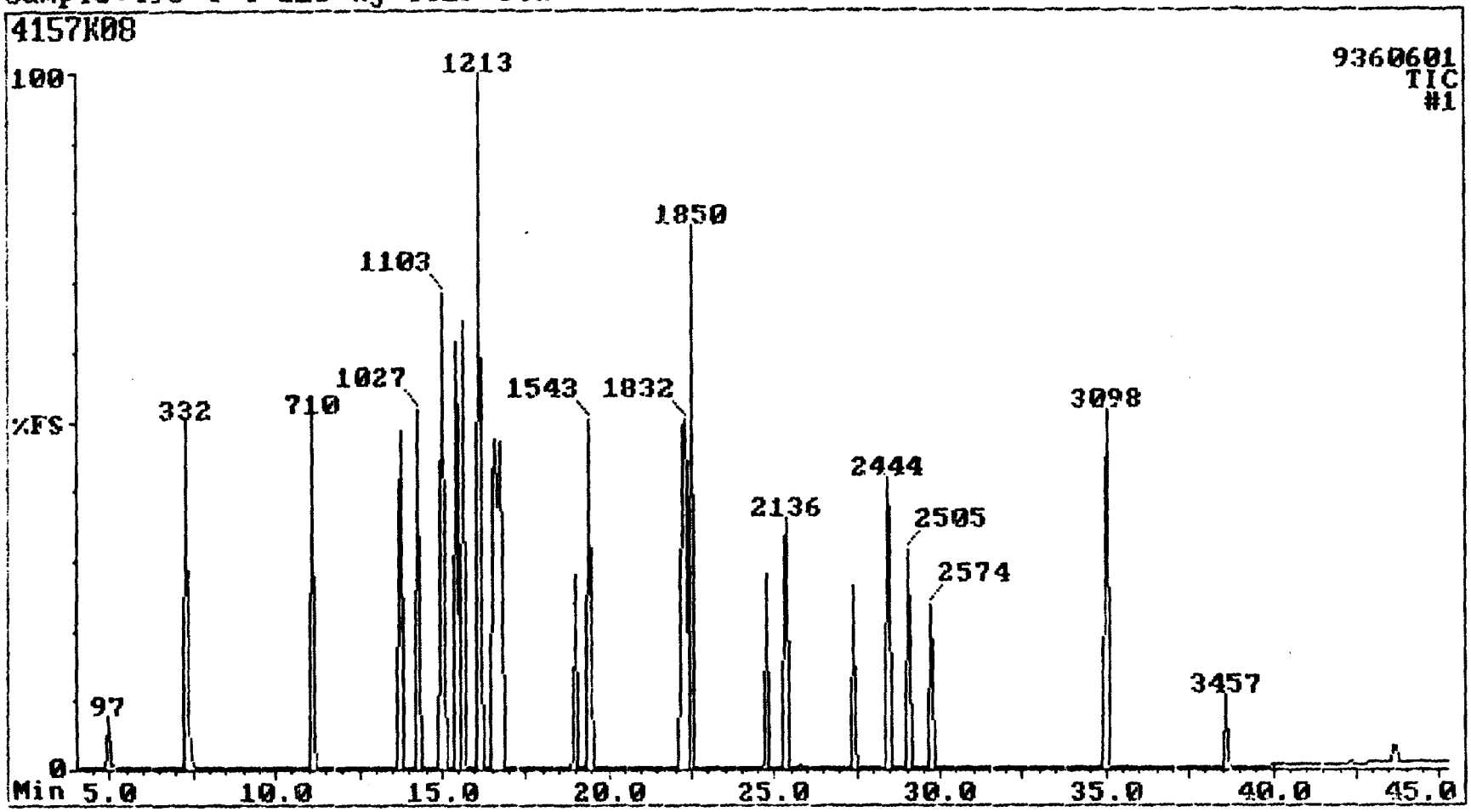
Raw Datafile : 4157K07 Quan DB : 4157K07
Find DB : TCLP8270 Scan DB :

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	96	97	0	906918	bb	1097	1097	152	1,4-Dichlorobenzene-d4
	75	95	97	47	1766816	bb	1144			
2	100	97	98	0	2605150	bv	709	709	112	2-Fluorophenol
3	100	97	98	0	3356364	bv	973	973	99	Phenol-d5
4	88	98	99	-5	2952701	b?	328	333	79	Pyridine
5	100	96	97	0	2891838	bv	1102	1102	146	1,4-Dichlorobenzene
6	100	97	97	0	2801638	bv	1162	1162	108	2-Methyphenol
7	100	96	97	0	5752526	bv	1211	1211	108	3 & 4-Methylphenol
8	100	97	98	0	1202852	bb	1256	1256	117	Hexachloroethane
9	100	95	96	0	2671864	bv	1026	1026	132	2-Chlorophenol-d4
10	100	94	96	-1	1766816	bb	1144	1145	152	1,2-Dichlorobenzene-d4
11	100	93	96	0	3807031	bv	1499	1499	136	Naphthalene-d8
12	100	95	97	0	2951164	vv	1268	1268	82	Nitrobenzene-d5
13	100	96	97	0	2996122	bv	1274	1274	77	Nitrobenzene
14	100	93	97	-1	930196	bb	1542	1543	225	Hexachlorobutadiene
15	100	95	96	0	1989065	bv	2078	2078	164	Acenaphthene-d10
16	100	93	98	1	4704014	bv	1850	1849	172	2-Fluorobiphenyl
17	100	88	98	0	450059	bv	2338	2338	330	2,4,6-Tribromophenol
18	100	93	98	0	1223028	bv*	1820	1820	196	2,4,6-Trichlorophenol
19	100	92	97	0	1304187	vv	1831	1831	196	2,4,5-Trichlorophenol
20	100	94	97	0	1167191	bv	2134	2134	165	2,4-Dinitrotoluene
21	100	91	95	0	2918813	bv	2574	2574	188	Phenanthrene-d10
22	100	89	94	0	1124066	bv	2443	2443	284	Hexachlorobenzene
23	100	82	96	0	541676	bv	2505	2505	266	Pentachlorophenol
24	100	84	90	0	1196777	bv	3457	3457	240	Chrysene-d12
25	100	86	94	0	3715492	bv	3098	3098	244	Terphenyl-d14
26	84	59	83	1	539858	bv	3963	3962	264	Perylene-d12

QUAN DB : 4157K08 LAB-BASE QUAN 06/06/94 15:43

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.97	1.00	1097	0	95	97	1276003	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	11.10	0.74	710	1	96	97	5764505	bv	112	2-Fluorophenol	120.0	S
3	13.74	0.92	974	1	97	98	6825680	bb	99	Phenol-d5	120.0	S
4	7.32	0.49	332	-1	98	99	6653728	b?	79	Pyridine	120.0	
5	15.03	1.00	1103	1	96	97	6056897	bv	146	1,4-Dichlorobenzene	120.0	CC
6	15.63	1.04	1163	1	96	97	5955580	bv	108	2-Methyphenol	120.0	
7	16.13	1.08	1213	2	97	97	12118435	vv	108	3 & 4-Methylphenol	240.0	
8	16.56	1.11	1256	0	97	98	2493115	bb	117	Hexachloroethane	120.0	
9	14.27	0.95	1027	1	96	97	5696843	bv	132	2-Chlorophenol-d4	120.0	S
10	15.45	1.03	1145	0	95	96	3677487	bb	152	1,2-Dichlorobenzene-d4	120.0	S
11	18.99	1.27	1499	0	93	96	5061950	bv	136	Naphthalene-d8	40.0	I
12	16.69	0.88	1269	1	94	97	6230028	vv	82	Nitrobenzene-d5	120.0	S
13	16.76	0.88	1276	2	96	97	6469264	vv	77	Nitrobenzene	120.0	
14	19.43	1.02	1543	0	93	97	2006658	bb	225	Hexachlorobutadiene	120.0	CC
15	24.78	1.30	2078	0	95	96	2645467	bv	164	Acenaphthene-d10	40.0	I
16	22.50	0.91	1850	1	93	97	9987970	bv	172	2-Fluorobiphenyl	120.0	S
17	27.39	1.11	2339	1	88	97	1057913	bv	330	2,4,6-Tribromophenol	120.0	S
18	22.21	0.90	1821	1	92	98	2673288	bv	196	2,4,6-Trichlorophenol	120.0	CC
19	22.32	0.90	1832	1	92	97	2752255	vv	196	2,4,5-Trichlorophenol	120.0	
20	25.36	1.02	2136	2	94	97	2580597	bv	165	2,4-Dinitrotoluene	120.0	
21	29.74	1.20	2574	0	90	94	4130501	bv	188	Phenanthrene-d10	40.0	I
22	28.44	0.96	2444	1	88	93	2230167	bv	284	Hexachlorobenzene	120.0	
23	29.05	0.98	2505	0	82	96	1377488	bv	266	Pentachlorophenol	120.0	CC
24	38.57	1.30	3457	0	85	90	1984146	bv	240	Chrysene-d12	40.0	I
25	34.98	0.91	3098	0	87	94	8582287	bv	244	Terphenyl-d14	120.0	S
26	43.62	1.13	3962	0	65	86	842440	bv	264	Perylene-d12	40.0	I

File:4157K08 06/06/94 13:57 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:496-4-4 120 ng TCLP Std HPN:



Interim Report LAB-BASE FIND 06/06/94 14:44

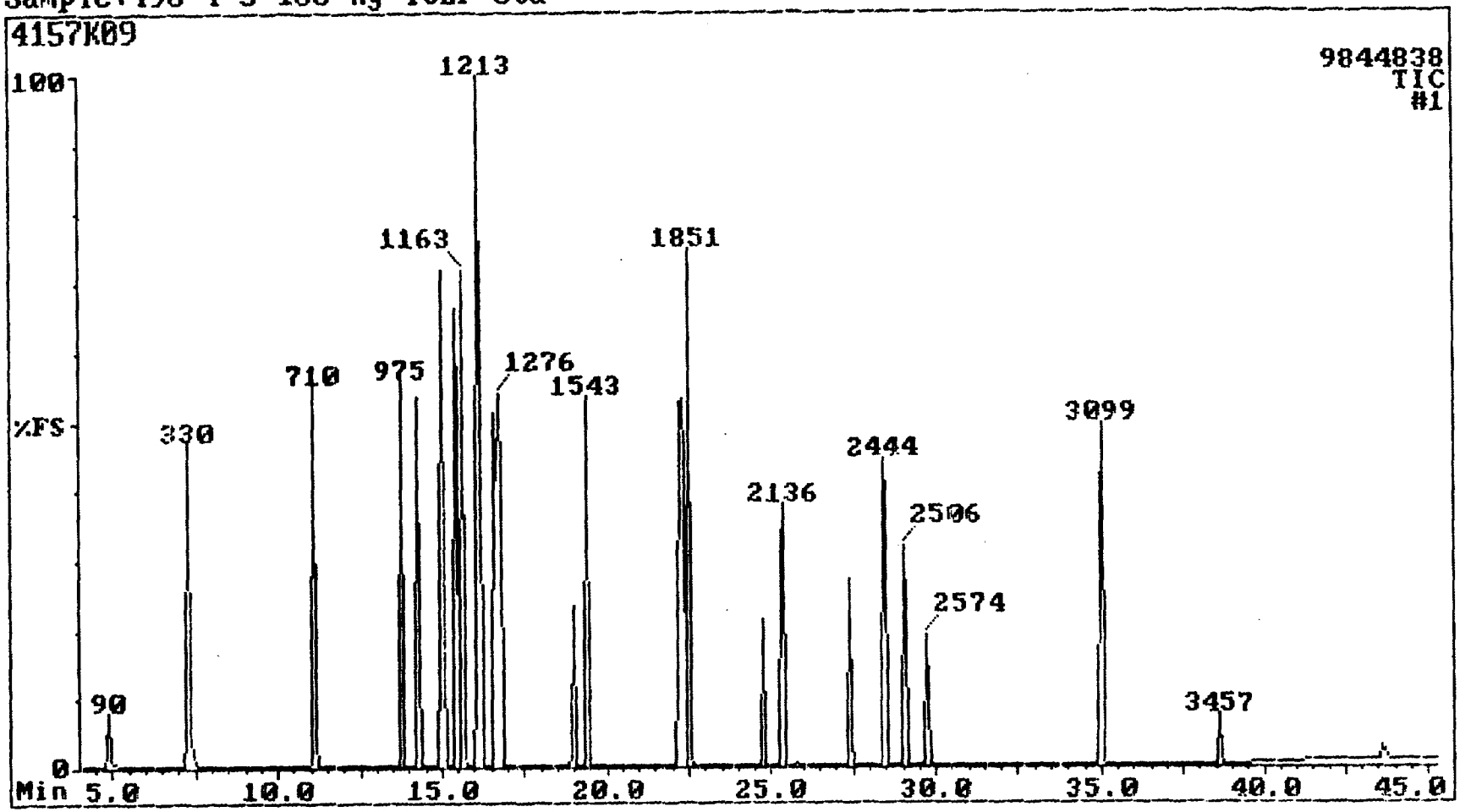
Raw Datafile : 4157K08 Quan DB : 4157K08
Find DB : TCLP8270 Scan DB :

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Freq	QM	Compound Name
1	100	95	97	0	1276003	bb	1097	1097	152	1,4-Dichlorobenzene-d4
	75	96	97	48	3677487	bb	1145			
2	100	96	97	1	5764505	bv	710	709	112	2-Fluorophenol
3	100	97	98	1	6825680	bb	974	973	99	Phenol-d5
4	100	98	99	-1	6653728	b?	332	333	79	Pyridine
5	100	96	97	1	6056897	bv	1103	1102	146	1,4-Dichlorobenzene
6	100	96	97	1	5955580	bv	1163	1162	108	2-Methyphenol
7	100	97	97	2	12118435	vv	1213	1211	108	3 & 4-Methylphenol
8	100	97	98	0	2493115	bb	1256	1256	117	Hexachloroethane
9	100	96	97	1	5696843	bv	1027	1026	132	2-Chlorophenol-d4
10	100	95	96	0	3677487	bb	1145	1145	152	1,2-Dichlorobenzene-d4
11	100	93	96	0	5061950	bv	1499	1499	136	Naphthalene-d8
12	100	94	97	1	6230028	vv	1269	1268	82	Nitrobenzene-d5
13	100	96	97	2	6469264	vv	1276	1274	77	Nitrobenzene
14	100	93	97	0	2006658	bb	1543	1543	225	Hexachlorobutadiene
15	100	95	96	0	2645467	bv	2078	2078	164	Acenaphthene-d10
16	100	93	97	1	9987970	bv	1850	1849	172	2-Fluorobiphenyl
17	100	88	97	1	1057913	bv	2339	2338	330	2,4,6-Tribromophenol
18	100	92	98	1	2673288	bv	1821	1820	196	2,4,6-Trichlorophenol
19	100	92	97	1	2752255	vv	1832	1831	196	2,4,5-Trichlorophenol
20	100	94	97	2	2580597	bv	2136	2134	165	2,4-Dinitrotoluene
21	100	90	94	0	4130501	bv	2574	2574	188	Phenanthrene-d10
22	100	88	93	1	2230167	bv	2444	2443	284	Hexachlorobenzene
23	100	82	96	0	1377488	bv	2505	2505	266	Pentachlorophenol
24	100	85	90	0	1984146	bv	3457	3457	240	Chrysene-d12
25	100	87	94	0	8582287	bv	3098	3098	244	Terphenyl-d14
26	89	65	86	0	842440	bv	3962	3962	264	Perylene-d12

QUAN DB : 4157K09 LAB-BASE QUAN 06/06/94 15:43

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.97	1.00	1097	0	96	97	1048779	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	11.10	0.74	710	1	96	97	6191154	bv	112	2-Fluorophenol	160.0	S
3	13.75	0.92	975	2	97	98	7828106	bv	99	Phenol-d5	160.0	S
4	7.30	0.49	330	-3	98	99	7394932	b?	79	Pyridine	160.0	
5	15.03	1.00	1103	1	96	97	6484530	bv	146	1,4-Dichlorobenzene	160.0	CC
6	15.63	1.04	1163	1	96	97	6738490	bv	108	2-Methyphenol	160.0	
7	16.13	1.08	1213	2	96	97	13382797	bv	108	3 & 4-Methylphenol	320.0	
8	16.56	1.11	1256	0	97	98	2773053	bb	117	Hexachloroethane	160.0	
9	14.27	0.95	1027	1	95	97	5995059	bv	132	2-Chlorophenol-d4	160.0	S
10	15.45	1.03	1145	0	94	96	3974593	bv	152	1,2-Dichlorobenzene-d4	160.0	S
11	18.99	1.27	1499	0	94	97	4404914	bv	136	Naphthalene-d8	40.0	I
12	16.69	0.88	1269	1	94	96	7057172	vv	82	Nitrobenzene-d5	160.0	S
13	16.76	0.88	1276	2	96	96	7170904	bv	77	Nitrobenzene	160.0	
14	19.43	1.02	1543	0	93	97	2098421	bv	225	Hexachlorobutadiene	160.0	CC
15	24.78	1.30	2078	0	94	96	2202279	bv	164	Acenaphthene-d10	40.0	I
16	22.50	0.91	1850	1	93	97	10833819	bv	172	2-Fluorobiphenyl	160.0	S
17	27.39	1.11	2339	1	88	97	1197317	bv	330	2,4,6-Tribromophenol	160.0	S
18	22.21	0.90	1821	1	92	98	2733906	bv	196	2,4,6-Trichlorophenol	160.0	CC
19	22.32	0.90	1832	1	92	97	2966024	vv	196	2,4,5-Trichlorophenol	160.0	
20	25.36	1.02	2136	2	94	96	2967437	bv	165	2,4-Dinitrotoluene	160.0	
21	29.74	1.20	2574	0	92	95	3462780	bv	188	Phenanthrene-d10	40.0	I
22	28.44	0.96	2444	1	88	93	2688156	bv	284	Hexachlorobenzene	160.0	
23	29.05	0.98	2505	0	82	96	1524660	bv	266	Pentachlorophenol	160.0	CC
24	38.57	1.30	3457	0	84	91	1428769	bv	240	Chrysene-d12	40.0	I
25	34.99	0.91	3099	1	86	94	8807952	bv	244	Terphenyl-d14	160.0	S
26	43.62	1.13	3962	0	57	86	612361	bv	264	Perylene-d12	40.0	I

File:4157K09 06/06/94 14:55 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:496-4-5 160 ng TCLP Std HPN:



Interim Report LAB-BASE FIND 06/06/94 15:40

Raw Datafile : 4157K09 Quan DB : 4157K09
Find DB : TCLP8270 Scan DB :

No.	Spectrum MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	GM	Compound Name
1	100	96	97	0	1048779	bb	1097	1097	152	1,4-Dichlorobenzene-d4
	74	95	97	48	3974593	bv	1145			
2	100	96	97	1	6191154	bv	710	709	112	2-Fluorophenol
3	100	97	98	2	7828106	bv	975	973	99	Phenol-d5
4	100	98	99	-3	7394932	b?	330	333	79	Pyridine
5	100	96	97	1	6484530	bv	1103	1102	146	1,4-Dichlorobenzene
6	100	96	97	1	6738490	bv	1163	1162	108	2-Methyphenol
7	100	96	97	2	13382797	bv	1213	1211	108	3 & 4-Methylphenol
8	100	97	98	0	2773053	bb	1256	1256	117	Hexachloroethane
9	100	95	97	1	5995059	bv	1027	1026	132	2-Chlorophenol-d4
10	100	94	96	0	3974593	bv	1145	1145	152	1,2-Dichlorobenzene-d4
11	100	94	97	0	4404914	bv	1499	1499	136	Naphthalene-d8
12	100	94	96	1	7057172	vv	1269	1268	82	Nitrobenzene-d5
13	100	96	96	2	7170904	bv	1276	1274	77	Nitrobenzene
14	100	93	97	0	2096421	bv	1543	1543	225	Hexachlorobutadiene
15	100	94	96	0	2202279	bv	2078	2078	164	Acenaphthene-d10
16	100	93	97	1	10833819	bv	1850	1849	172	2-Fluorobiphenyl
17	100	88	97	1	1197317	bv	2339	2338	330	2,4,6-Tribromophenol
18	100	92	98	1	2733906	bv	1821	1820	196	2,4,6-Trichlorophenol
19	100	92	97	1	2966024	vv	1832	1831	196	2,4,5-Trichlorophenol
20	100	94	96	2	2967437	bv	2136	2134	165	2,4-Dinitrotoluene
21	100	92	95	0	3462780	bv	2574	2574	188	Phenanthrene-d10
22	100	88	93	1	2688156	bv	2444	2443	284	Hexachlorobenzene
23	100	82	96	0	1524660	bv	2505	2505	266	Pentachlorophenol
24	100	84	91	0	1428769	bv	3457	3457	240	Chrysene-d12
25	100	86	94	1	8807952	bv	3099	3098	244	Terphenyl-d14
26	89	57	86	0	612361	bv	3962	3962	264	Perylene-d12

Xit Hcpy ? Delete CONTACT CLOSURE SEQUENCE EDITOR

File: BNA
Entry: 1
Out of: 4

LN Laboratory Name TCT St Paul
IN Instrument Name VGTrio2C IS Inlet System GC

Per Entry
RF Raw Filename 4157K06 IF Inlet Filename BNA
SD Sample Description
496-4-1 20 ng TCLP Std
JI Job Identifier
TI Task Identifier
UN User Name DPZ

Xit Hcpy ? Other GC INLET EDITOR File: BNA

SD Sample Description
496-4-2 50 ng TCLP Std
CO Conditions DB-5 30m x 0.25mm id x 1um film, 2uL inj

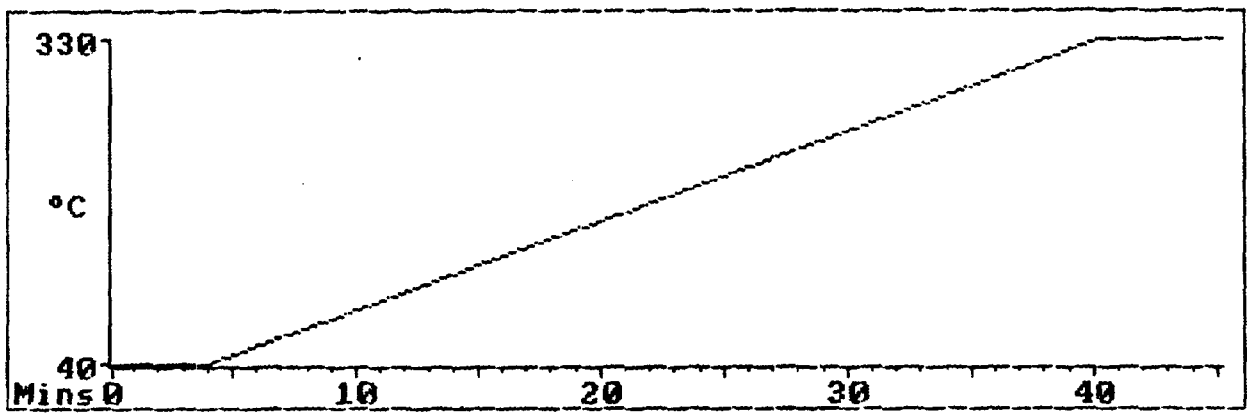
DU Duration (mins)	0.00	MSM	MS Mode	SCN
SO Solvent delay	4.0	MSF	MS Filename	BNA

JI Job Identifier				
TI Task Identifier				
UN User Name	DPZ	ST	Store oven Temperature	NO
IN Instrument Name	VGTrio2C	ECS	External Contact Start	YES
LN Laboratory Name	TCT St Paul			

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Xit Hcpy ? Other GC INLET EDITOR File: BNA

1st ramp		2nd ramp		3rd ramp		4th ramp	
1T Temperature	40	2T Temperature	330	3T Temperature	0	4T Temperature	0
1M Minutes	4.00	2M Minutes	5.00	3M Minutes	0.00	4M Minutes	0.00
1R Rate	8.0	2R Rate	0.0	3R Rate	0.0		



Signals	
SS1 Select	0
SR1 Range	0
SA1 Atten.	0
SZ1 Zero	0.0
SS2 Select	0
SR2 Range	0
SA2 Atten.	0
SZ2 Zero	0.0

Colors		Purge valve		Injectors		General	
CA Axes	8	PS Purge State	ON	IA Temperature	0	GO Oven max	340
CS Scale	13	PF Mins off	0.00	IB Temperature	250	GC Cryogenic	NO
CR Ramp	11	PN Mins on	1.00			GE Eq mins	0.50
						GV Dump Valve	NO
						GD Detectors	NO

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Xit Hcpy ? SCAN EDITOR File: BNA

SD Sample Description
HEPTACOSA, Dynamic Calibration Scan

DU Duration (mins)	0.25	A1 Analog channel 1	OFF
UN User Name	DPZ	A2 Analog channel 2	OFF
IM Ionization Mode	EI+	A3 Analog channel 3	OFF
IN Instrument Name	VGTrio2C	A4 Analog channel 4	OFF
LN Laboratory Name	TCT St Paul		

Scanning Control Parameters

	Start mass	End mass	Scan time	Interscan time
SE SEgment	35	500	0.50	0.10

SW-846 DFTPP TUNE CHECK REPORT

Datafile : 4157K04

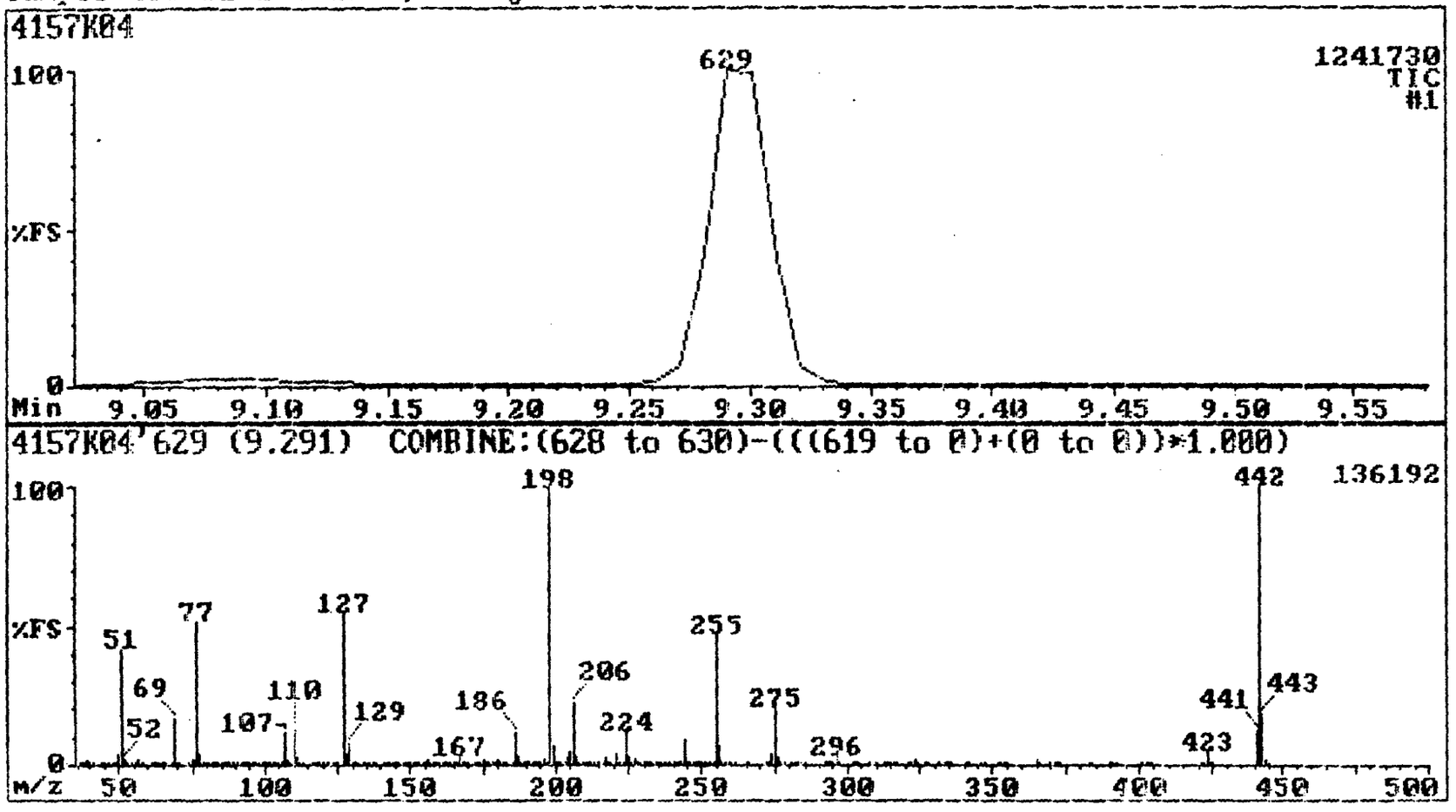
Date : 06/06/94
Time : 10:42

M/E	ION ABUNDANCE CRITERIA	ABUNDANCE	TUNE
51	30.0 - 60.0% of mass 198	41.67	PASS
68	Less than 2.0% of mass 69	0.06(0.4)1	PASS
69	Mass 69 relative abundance	16.86	PASS
70	Less then 2.0% of mass 69	0.11(0.7)1	PASS
127	40.0 - 60.0% of mass 198	54.55	PASS
197	Less than 1% of mass 198	0.12	PASS
198	Base peak, 100% relative abundance	100.00	PASS
199	5 - 9% of mass 198	6.82	PASS
275	10 - 30% of mass 198	20.45	PASS
365	greater than 1.0% of mass 198	1.74	PASS
441	Present, but less then mass 443	13.07	PASS
442	greater than 40.0% of mass 198	100.76	PASS
443	17.0 - 23.0% of mass 442	18.75(18.6)2	PASS

4157K04'629 (9.291) COMBINE:(628 to 630)-((619 to 0)+(0 to 0))(1.000) 136192

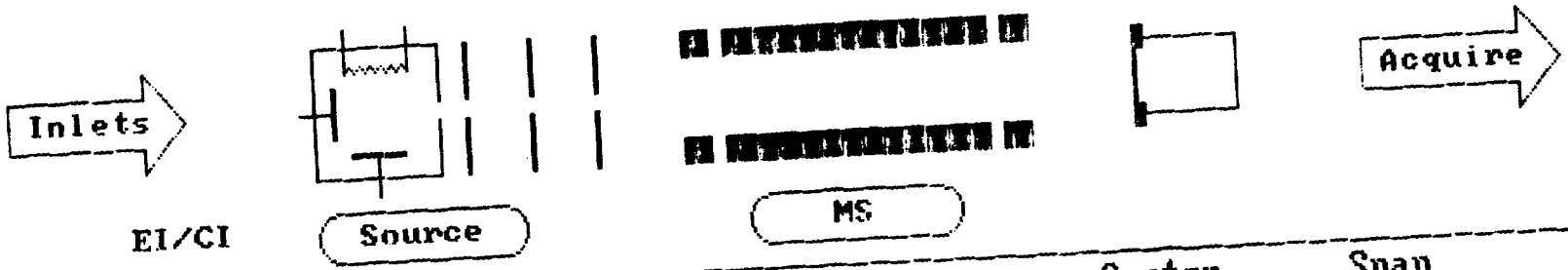
Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int
36	520	0.38	93	484	0.36	147	520	0.38	196	2256	1.66	246	1020	0.75	323	2656	1.95
37	50	0.04	94	98	0.07	148	580	0.43	197	162	0.12	247	206	0.15	324	464	0.34
38	384	0.28	95	76	0.06	149	140	0.10	198	135168	99.25	248	77	0.06	327	352	0.26
39	2832	2.08	96	364	0.27	150	106	0.08	199	9216	6.77	249	444	0.33	328	194	0.14
40	148	0.11	97	38	0.03	151	292	0.21	200	796	0.58	250	30	0.02	332	150	0.11
41	235	0.17	98	296	0.22	152	67	0.05	201	468	0.34	251	37	0.03	333	183	0.13
44	48	0.04	99	704	0.52	153	196	0.14	202	180	0.13	253	125	0.09	334	1728	1.27
45	51	0.04	100	32	0.02	154	256	0.19	203	260	0.19	254	208	0.15	335	460	0.34
47	11	0.01	101	1808	1.33	155	1120	0.82	204	3488	2.56	255	63488	46.62	336	35	0.03
48	103	0.08	102	80	0.06	156	2240	1.64	205	6976	5.12	256	8704	6.39	341	320	0.23
49	27	0.02	103	191	0.14	157	424	0.31	206	29952	21.99	257	672	0.49	342	38	0.03
50	5504	4.04	104	34	0.02	158	69	0.05	207	3984	2.93	258	1760	1.29	346	404	0.30
51	56320	41.35	105	221	0.16	159	166	0.12	208	588	0.43	259	264	0.19	347	39	0.03
52	2992	2.20	106	72	0.05	160	376	0.28	209	162	0.12	260	32	0.02	352	872	0.64
53	99	0.07	107	16256	11.94	161	1000	0.73	210	222	0.16	261	80	0.06	353	644	0.47
54	34	0.02	108	2864	2.10	162	292	0.21	211	1232	0.90	265	504	0.37	354	1024	0.75
56	308	0.23	109	125	0.09	163	37	0.03	212	171	0.13	266	43	0.03	355	216	0.16
57	2672	1.96	110	31232	22.93	164	30	0.02	213	75	0.05	272	39	0.03	365	2352	1.73
58	160	0.12	111	3968	2.91	165	121	0.09	215	69	0.05	273	1808	1.33	366	316	0.23
61	120	0.09	112	356	0.26	166	460	0.34	216	316	0.23	274	5120	3.76	370	35	0.03
62	149	0.11	113	54	0.04	167	3408	2.50	217	4608	3.38	275	27648	20.30	371	174	0.13
63	704	0.52	116	61	0.04	168	1632	1.20	218	636	0.47	276	3728	2.74	372	1488	1.09
64	129	0.09	117	908	0.67	169	368	0.27	219	86	0.06	277	1504	1.10	373	376	0.28
65	1216	0.89	118	89	0.07	170	40	0.03	221	5312	3.90	278	222	0.16	383	436	0.32
66	70	0.05	119	36	0.03	172	93	0.07	222	672	0.49	281	29	0.02	384	120	0.09
68	82	0.06	120	128	0.09	173	300	0.22	223	1376	1.01	282	92	0.07	390	192	0.14
69	22784	16.73	122	91	0.07	174	888	0.65	224	16256	11.94	283	214	0.16	391	121	0.09
70	150	0.11	123	360	0.26	175	2128	1.56	225	3552	2.61	284	93	0.07	392	72	0.05
71	82	0.06	124	117	0.09	176	484	0.36	226	344	0.25	285	396	0.29	401	74	0.05
74	564	0.41	125	432	0.32	177	292	0.21	227	2592	1.90	292	42	0.03	402	760	0.56
75	3232	2.37	127	73728	54.14	178	32	0.02	228	420	0.31	293	536	0.39	403	960	0.70
76	2608	1.91	128	5120	3.76	179	1920	1.41	229	1168	0.86	294	43	0.03	404	336	0.25
77	69632	51.13	129	11072	8.13	180	2560	1.88	230	153	0.11	295	29	0.02	421	980	0.72
78	4864	3.57	130	968	0.71	181	1248	0.92	231	612	0.45	296	4416	3.24	422	824	0.61
79	428	0.31	131	214	0.16	182	133	0.10	232	34	0.02	297	676	0.50	423	6848	5.03
80	372	0.27	132	133	0.10	183	64	0.05	233	44	0.03	302	75	0.06	424	1312	0.96
81	1344	0.99	134	146	0.11	185	1184	0.87	234	87	0.06	303	764	0.56	425	103	0.08
82	592	0.43	135	1136	0.83	186	16384	12.03	235	360	0.26	304	231	0.17	441	17664	12.97
83	1200	0.88	136	436	0.32	187	4288	3.15	236	296	0.22	308	44	0.03	442	136192	100.00
84	177	0.13	137	668	0.49	188	504	0.37	237	444	0.33	310	72	0.05	443	25344	18.61
85	147	0.11	138	171	0.13	189	160	0.12	239	37	0.03	313	38	0.03	444	2432	1.79
86	105	0.08	141	660	0.48	190	32	0.02	240	58	0.04	314	344	0.25	445	234	0.17
87	138	0.10	142	456	0.33	191	324	0.24	241	98	0.07	315	560	0.41			
88	136	0.10	143	356	0.26	192	928	0.68	242	704	0.52	316	488	0.36			
89	34	0.02	144	93	0.07	193	1280	0.94	243	724	0.53	317	30	0.02			
91	145	0.11	145	145	0.11	194	229	0.17	244	12096	8.88	321	236	0.17			
92	122	0.09	146	34	0.02	195	31	0.02	245	1584	1.16	322	53	0.04			

File:4157K04 06/06/94 10:42 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:496-51-1 vial 4, 50 ng DFTPP HPN:



Xit Hcpy ? Rd T TUNE EDITOR Ion mode: EI+ File: LAB_BASE

Temperature (°C): Source 249 GC line 251 Jet 400

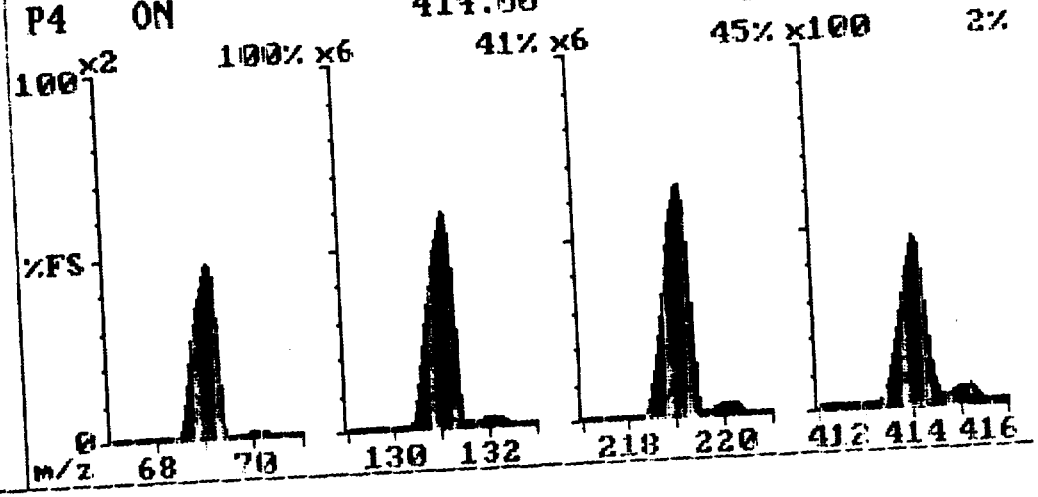


EI/CI

TU	Tuning
ST	250
EE	70
EC	50
IR	1.0
IX	70
IF	33
F3	10
PT	0
RG	ON

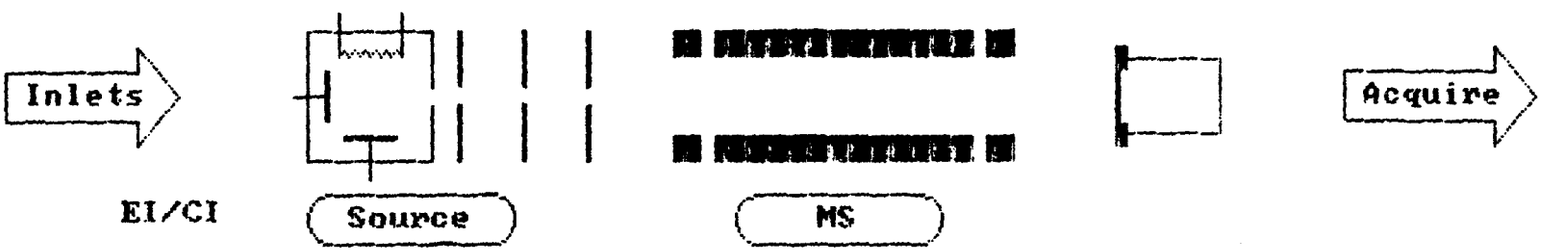
SOURCE

Peak		Center	Span	Gain
P1	ON	69.00	4	2
P2	ON	131.00	4	6
P3	ON	219.00	4	6
P4	ON	414.00	4	100



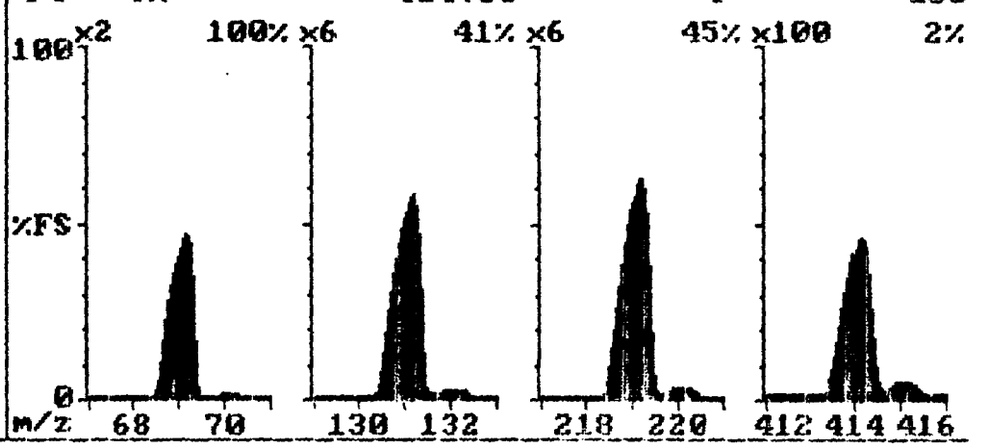
Xit Hcpy ? Rd T TUNE EDITOR Ion mode: EI+ File: LAB_BASE

Temperature (°C): Source 249 GC line 249 Jet 400



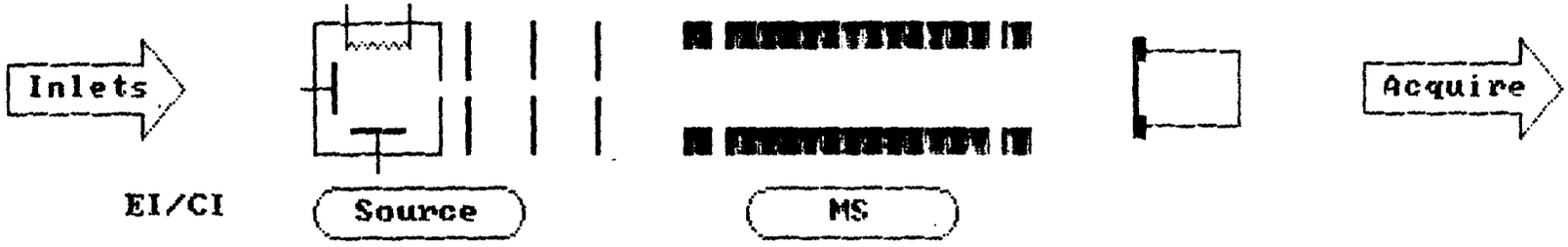
TU	Tuning	MS
IE	1.0	
ER	12.0	
RL	10.0	
RH	8.5	
MU	650	

Peak		Center	Span	Gain
P1	ON	69.00	4	2
P2	ON	131.00	4	6
P3	ON	219.00	4	6
P4	ON	414.00	4	100



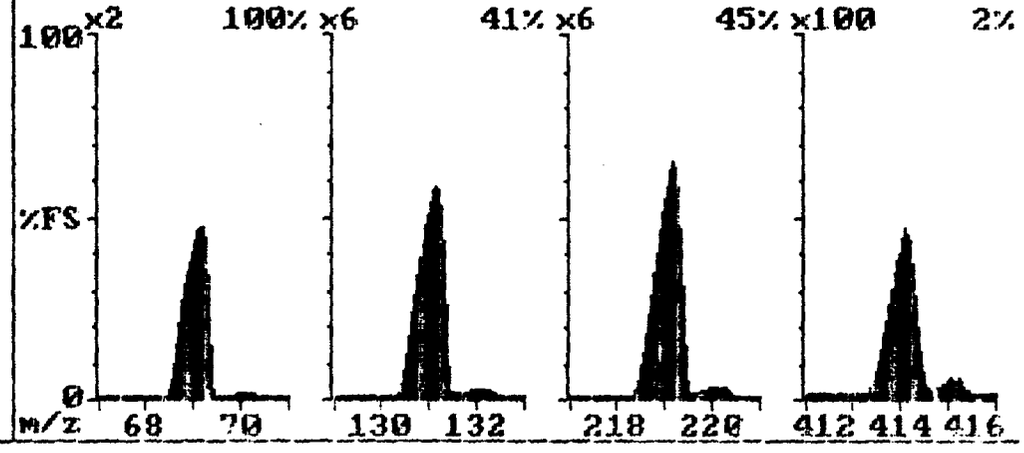
Xit Hcpy ? Rd T TUNE EDITOR Ion mode: EI+ File: LAB_BASE

Temperature (°C): Source 249 GC line 252 Jet 400



TU	Tuning	INLETS
IT	250	
DC	0	
JT	0	

Peak		Center	Span	Gain
P1	ON	69.00	4	2
P2	ON	131.00	4	6
P3	ON	219.00	4	6
P4	ON	414.00	4	100



Xit Hcpy ? Other GC INLET EDITOR File: DFTPP

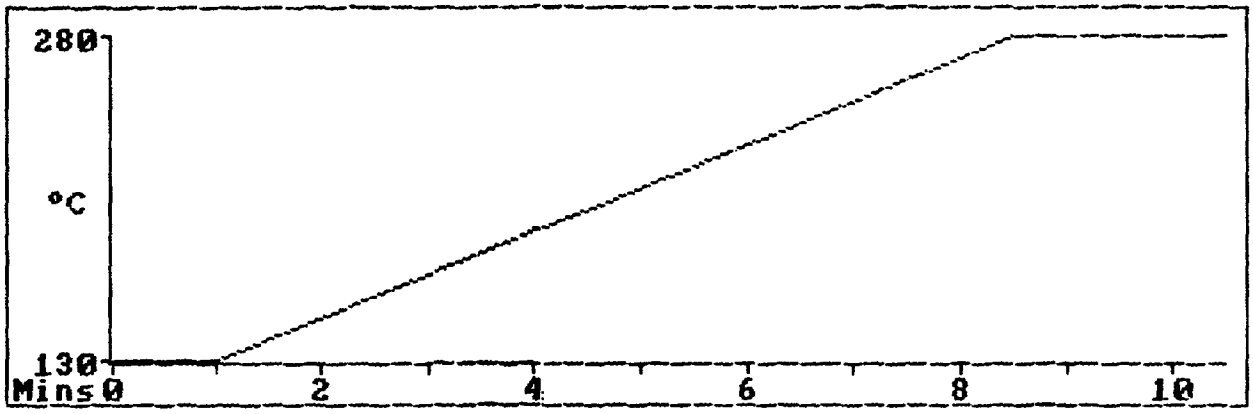
SD Sample Description
496-51-1 vial 4, 50 ng DFTPP
CO Conditions DB5.625 30m x 0.25mm id x 1um film, 2uL

DU	Duration (mins)	0.00	MSM	MS Mode	SCN
SO	Solvent delay	3.0	MSF	MS Filename	BNA
JI	Job Identifier				
TI	Task Identifier				
UN	User Name	GNM	ST	Store oven Temperature	NO
IN	Instrument Name	VGTrio2C	ECS	External Contact Start	YES
LN	Laboratory Name	TCT St Paul			

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Xit Hcpy ? Other GC INLET EDITOR File: DFTPP

1st ramp		2nd ramp		3rd ramp		4th ramp	
1T Temperature	130	2T Temperature	280	3T Temperature	0	4T Temperature	0
1M Minutes	1.00	2M Minutes	2.00	3M Minutes	0.00	4M Minutes	0.00
1R Rate	20.0	2R Rate	0.0	3R Rate	0.0		



Signals	
SS1 Select	0
SR1 Range	0
SA1 Atten.	0
SZ1 Zero	0.0
SS2 Select	0
SR2 Range	0
SA2 Atten.	0
SZ2 Zero	0.0

Colors		Purge valve		Injectors		General	
CA Axes	8	PS Purge State	ON	IA Temperature	0	GO Oven max	325
CS Scale	13	PF Mins off	0.00	IB Temperature	250	GC Cryogenic	NO
CR Ramp	11	PN Mins on	1.00			GE Eq mins	0.50
						GV Dump Valve	NO
						GD Detectors	NO

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Xit Hcpy ?

SCAN EDITOR

File: BNA

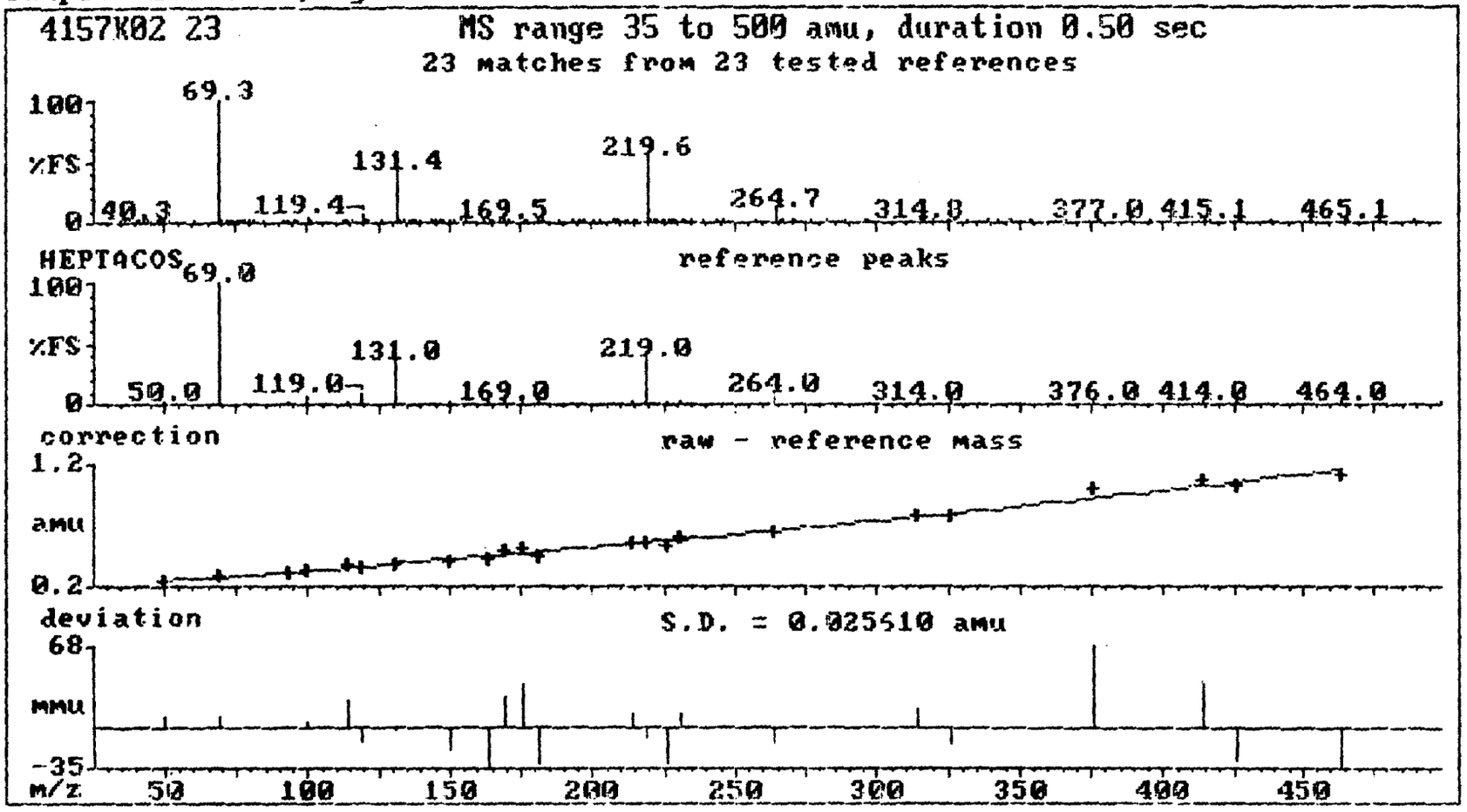
SD Sample Description
HEPTACOSA, Dynamic Calibration Scan

DU Duration (mins)	0.25	A1 Analog channel 1	OFF
UN User Name	DPZ	A2 Analog channel 2	OFF
IM Ionization Mode	EI+	A3 Analog channel 3	OFF
IN Instrument Name	VGTrio2C	A4 Analog channel 4	OFF
LN Laboratory Name	TCT St Paul		

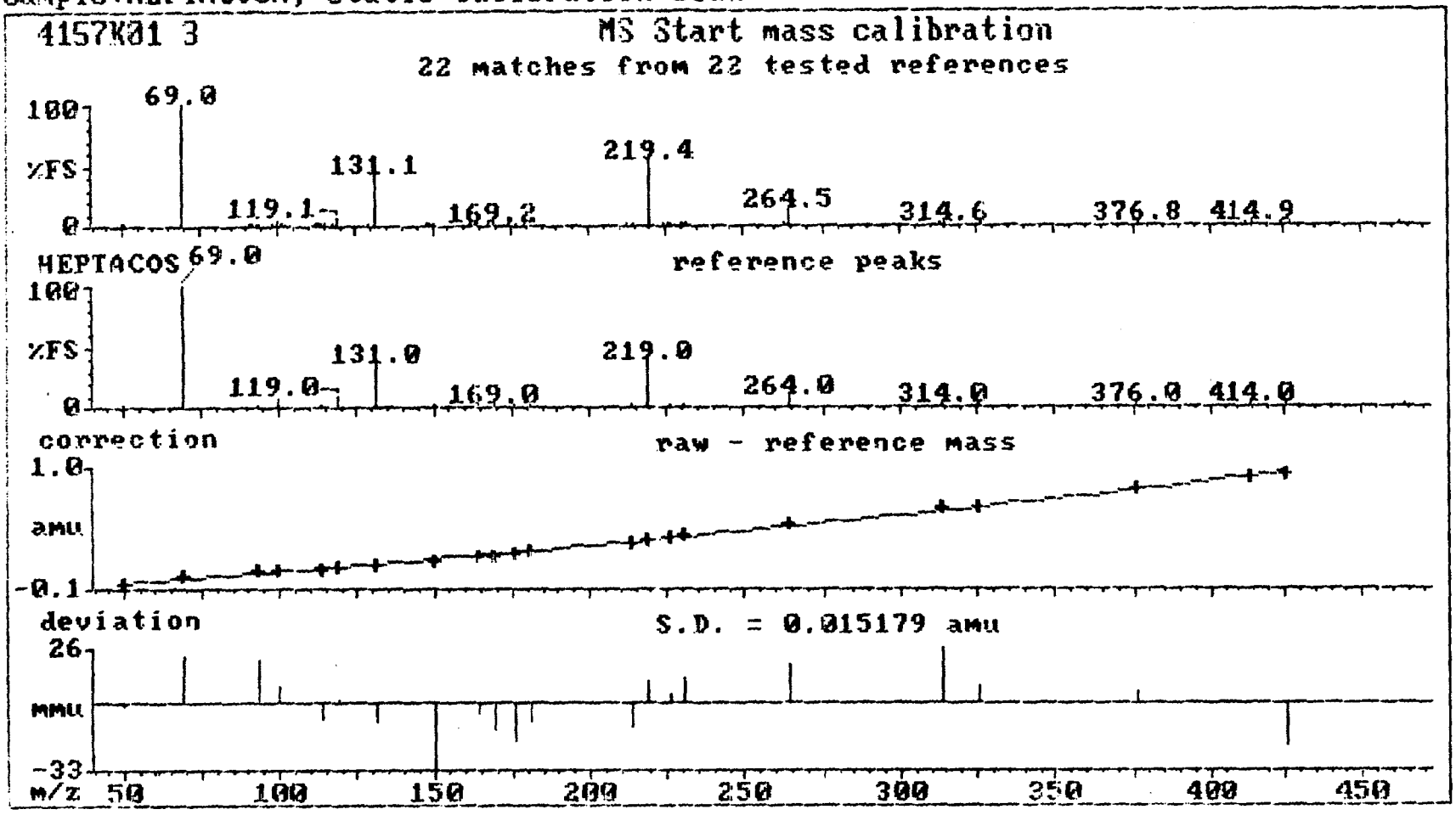
Scanning Control Parameters

	Start mass	End mass	Scan time	Interscan time
SE SEgment	35	500	0.50	0.10

File:4157K02 06/06/94 10:08 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:HEPTACOSA, Dynamic Calibration Scan HPN:



File:4157K01 06/06/94 10:07 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:HEPTACOSA, Static Calibration Scan HPN:



Huntingdon

EXTRACTABLES INSTRUMENT RUN LOG

Date 6/7/94 Analyst Signature [signature]

Channel/Inst. No(s). VG TR102C Column(s) #82 DB5 ms Calibration File No(s). 4157R

Document maintenance on lines below:

Mtn 8270 TCLP

Pos. No.	Data File No.	Sample No.	Client/Job No.	Injection Vol.	Dilution	Remarks
maint: cleaned &		silanized	injection liner & seal,	clipped		column replaced septa
	4158K01	Heptacosa	—	—	—	Dynamic Cal
	02	496-51-1	—	2 µL	—	50 ng DFTPP
	03	496-4-2	—	2 µL	—	50 ng TCLP Std
	04	GS-C304-102 RI	EEI	2 µL	—	6/6/94

last 2 IS
2 surrogate

[illegible] 6/8/94

QUAN DB : 4158K04 LAB-BASE QUAN 06/08/94 09:58

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.91	1.00	1091	1	97	98	1535311	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	11.05	0.74	705	0	97	98	3562989	bv	112	2-Fluorophenol	65.1	S
3	13.69	0.92	969	0	93	98	3452476	bb	99	Phenol-d5	51.5	S
4	7.29	0.49	0	0	0	0	.0		79	Pyridine	0.0	
5	14.95	1.00	0	0	0	0	0		146	1,4-Dichlorobenzene	0.0	CC
6	15.59	1.05	1155	1	79	95	108091	bv	108	2-Methyphenol	1.9	
7	16.08	1.08	1208	2	95	97	7577411	bv	108	3 & 4-Methylphenol	130.6	
8	16.49	1.11	0	0	0	0	0		117	Hexachloroethane	0.0	
9	14.21	0.95	1021	0	96	98	6083344	bv	132	2-Chlorophenol-d4	109.1	S
10	15.38	1.03	0	0	0	0	0		152	1,2-Dichlorobenzene-d4	0.0	S
11	18.93	1.27	1493	0	29	87	5754167	bv	136	Naphthalene-d8	40.0	I
12	16.62	0.88	1262	0	95	97	4772831	bv	82	Nitrobenzene-d5	86.0	S
13	16.75	0.88	1275	6	34	67	26158	bv	77	Nitrobenzene	0.5	
14	19.36	1.02	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
15	24.75	1.31	2075	0	0	0	2504784	M	164	Acenaphthene-d10	40.0	I
16	22.47	0.91	1847	5	87	96	7700581	vv	172	2-Fluorobiphenyl	96.3	S
17	27.36	1.11	2336	5	81	96	2204813	vv	330	2,4,6-Tribromophenol	193.0	S
18	22.13	0.89	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
19	22.24	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
20	25.27	1.02	0	0	0	0	0		165	2,4-Dinitrotoluene	0.0	
21	29.68	1.20	2568	2	86	92	5298918	vv	188	Phenanthrene-d10	40.0	I
22	28.35	0.95	0	0	0	0	0		284	Hexachlorobenzene	0.0	
23	29.00	0.98	2500	1	13	93	31535	vv	266	Pentachlorophenol	4.9	CC
24	38.48	1.30	3448	-3	66	88	1407387	b?	240	Chrysene-d12	40.0	I
25	34.90	0.91	3090	1	86	94	7697650	vb	244	Terphenyl-d14	172.2	S
26	43.50	1.13	3950	-1	60	87	600929	M	264	Perylene-d12	40.0	I

- RF failed report as EQL DZ

Datafile : 4158K04

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	754510	1535311	3018040
Naphthalene-d8	3129377	5754167	12517506
Acenaphthene-d10	1623411	2504784	6493642
Phenanthrene-d10	2767748	5298918	11070990
Chrysene-d12	1598158	1407387	6392632****
Perylene-d12	984476	600929	3937908****

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	14.90	14.91
Naphthalene-d8	18.92	18.93
Acenaphthene-d10	24.70	24.75
Phenanthrene-d10	29.66	29.68
Chrysene-d12	38.48	38.48
Perylene-d12	43.51	43.50

Surrogate Recoveries

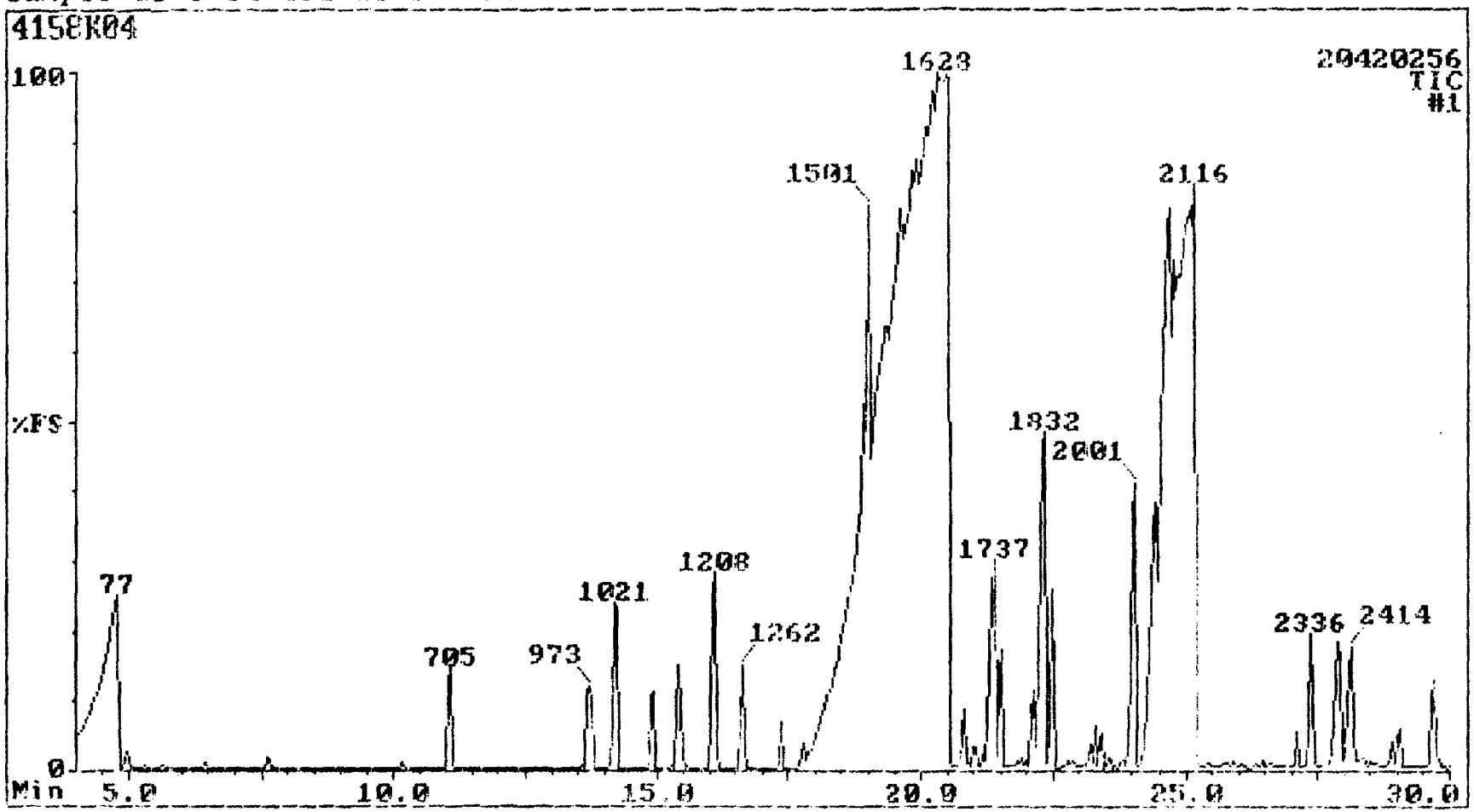
COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	65.1442	43.4	(25-121)	(21-110)	bv	3562989
Phenol-d5	51.5250	34.3	(24-113)	(10-110)	bb	3452476
2-Chlorophenol-d4	109.1474	72.8	(20-130)	(33-110)	bv	6083344
1,2-Dichlorobenzene-d4	0.0000	0.0	(20-130)	(16-110)		0
Nitrobenzene-d5	86.0290	86.0	(23-120)	(35-114)	bv	4772831
2-Fluorobiphenyl	96.3239	96.3	(30-115)	(43-116)	vv	7700581
2,4,6-Tribromophenol	192.9704	128.6	(19-122)	(10-123)	vv	2204813
Terphenyl-d14	172.2186	172.2	(18-137)	(33-141)	vb	7697650

Interim Report LAB-BASE FIND 06/08/94 08:10

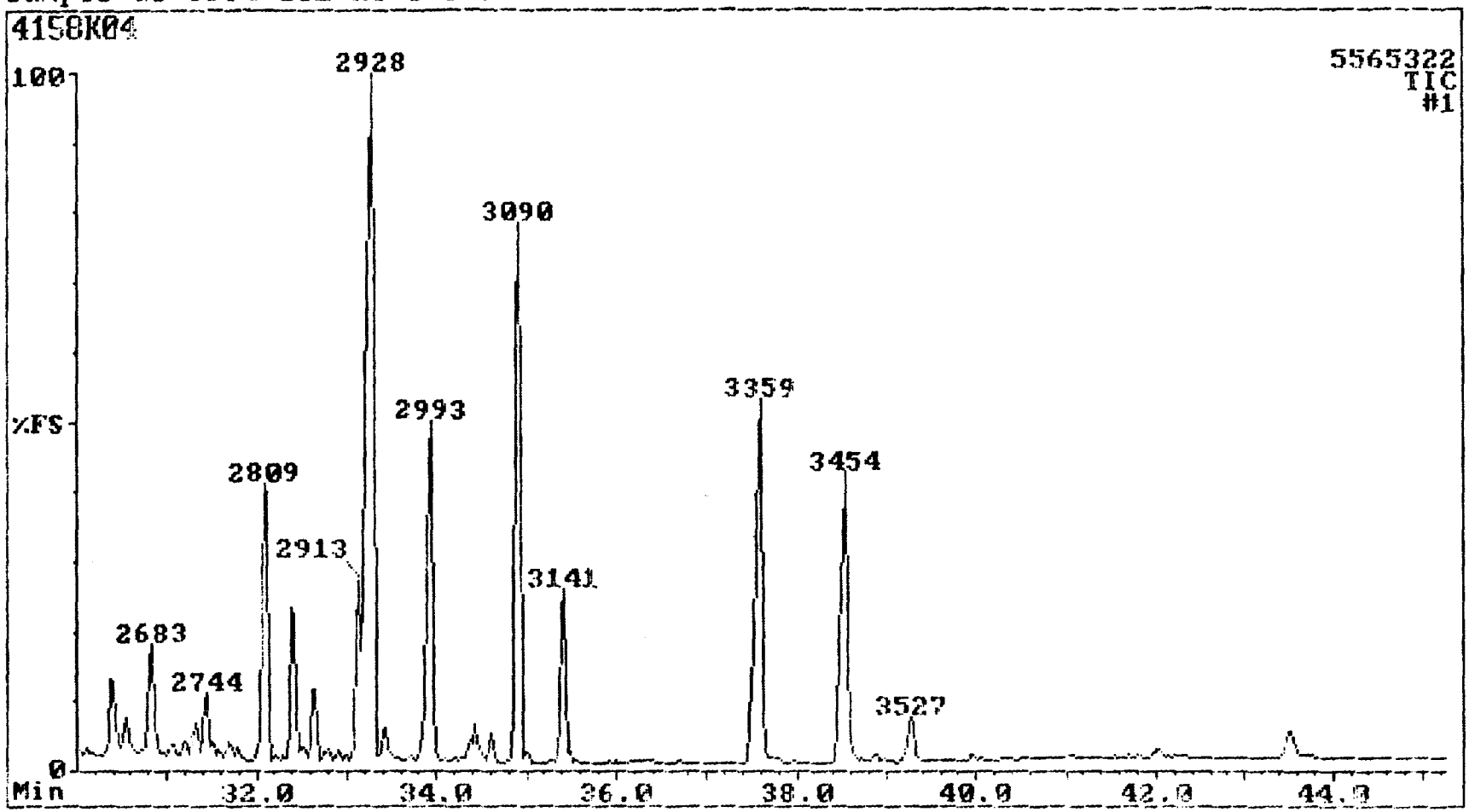
Raw Datafile : 4158K04 Quan DB : 4158K04
Find DB : TCLP8270 Scan DB : 4158K04

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	97	98	1	1535311	bb	1091	1090	152	1,4-Dichlorobenzene-d4
2	100	97	98	0	3562989	bv	705	705	112	2-Fluorophenol
3	100	93	98	0	3452476	bb	969	969	99	Phenol-d5
4	*** No Trace Found ***					*		329	79	Pyridine
5	*** No Trace Found ***							1097	146	1,4-Dichlorobenzene
6	100	79	95	1	108091	bv	1159	1158	108	2-Methyphenol
7	100	96	97	2	7577411	bv	1208	1206	108	3 & 4-Methylphenol
8	*** No Trace Found ***					*		1250	117	Hexachloroethane
9	100	96	98	0	6083344	bv	1021	1021	132	2-Chlorophenol-d4
10	*** No Trace Found ***					*		1139	152	1,2-Dichlorobenzene-d4
11	73	29	87	0	5754167	bv	1493	1493	136	Naphthalene-d8
12	100	95	97	0	4772831	bv	1262	1262	82	Nitrobenzene-d5
13	43	34	67	6	26158	bv	1275	1269	77	Nitrobenzene
14	*** No Trace Found ***							1537	225	Hexachlorobutadiene
15	*** No Trace Found ***							2071	164	Acenaphthene-d10
16	85	87	96	5	7700581	vv	1847	1842	172	2-Fluorobiphenyl
17	82	81	96	5	2204813	vv	2336	2331	330	2,4,6-Tribromophenol
18	*** No Trace Found ***							1813	196	2,4,6-Trichlorophenol
19	*** No Trace Found ***							1824	196	2,4,5-Trichlorophenol
20	*** No Trace Found ***							2127	165	2,4-Dinitrotoluene
21	100	86	92	2	5298918	vv	2568	2566	188	Phenanthrene-d10
22	*** No Trace Found ***							2437	284	Hexachlorobenzene
23	63	13	93	1	31535	vv	2500	2499	266	Pentachlorophenol
24	81	66	88	-3	1407387	bv	3448	3451	240	Chrysene-d12
25	100	86	94	1	7697650	vb	3090	3089	244	Terphenyl-d14
26	87	60	87	-1	567043	bv	3950	3951	264	Perylene-d12

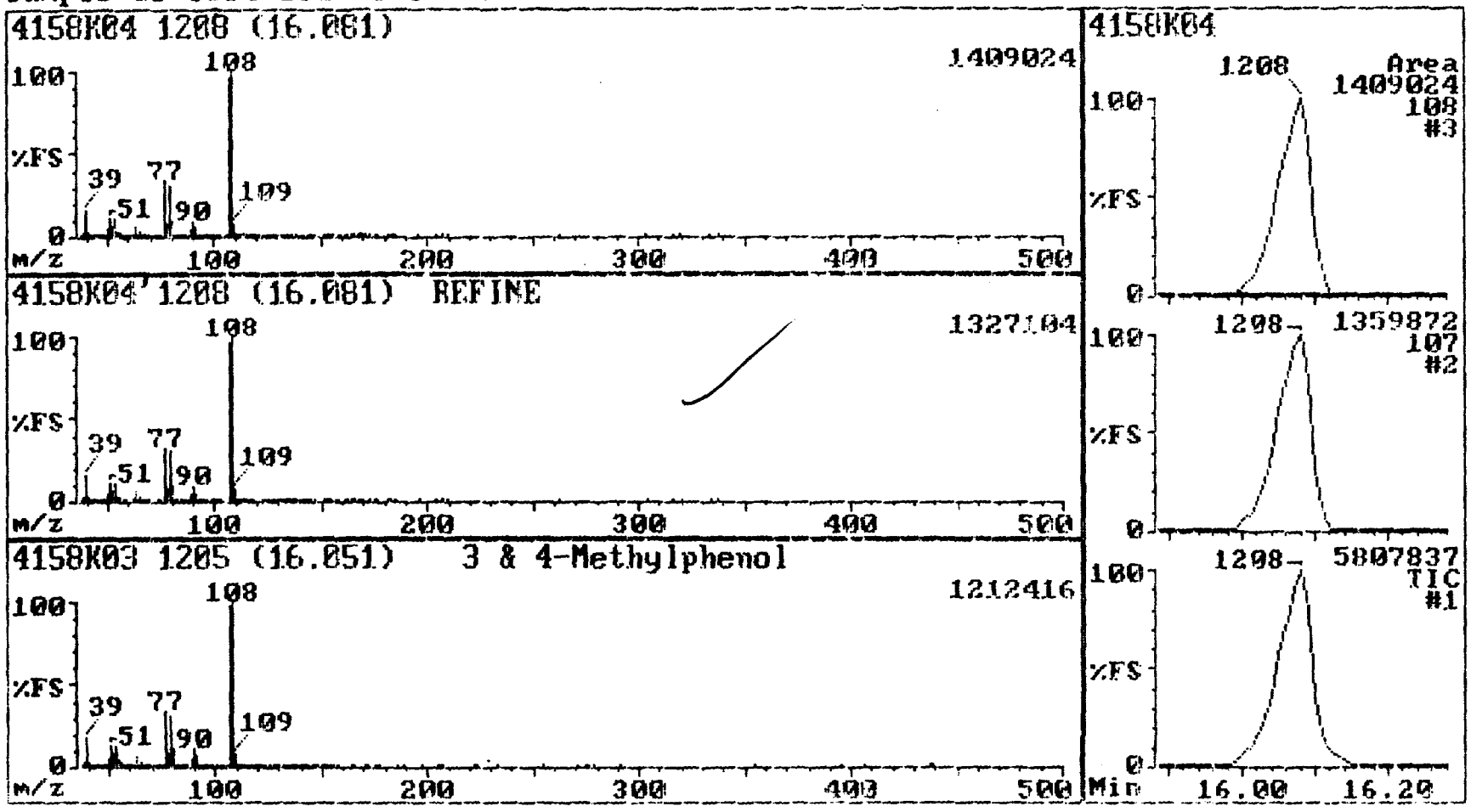
File:4158K04 06/07/94 17:22 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:GS-C304-102 RI 6/6/94 HPN:



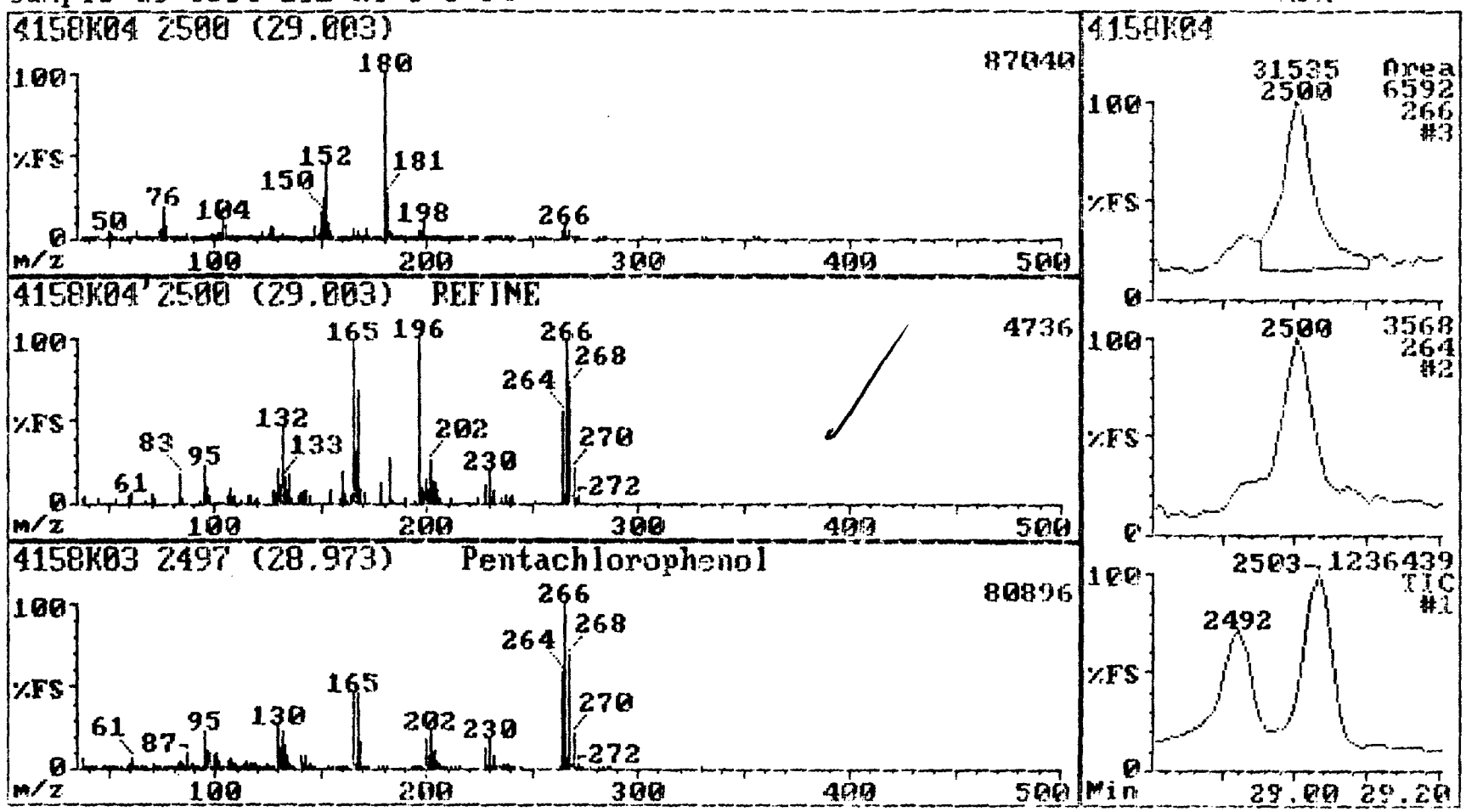
File:4158K04 06/07/94 17:22 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:GS-C304-102 RI 6/6/94 HPN:



File:4158K04 06/07/94 17:22 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:GS-C304-102 RI 6/6/94 HPN:



File:4158K04 06/07/94 17:22 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:GS-C304-102 RI 6/6/94 HPN:



DAILY CALIBRATION CHECK

DATE : 06/08/94

TIME : 08:06

LAB FILE ID: 4158K03

	COMPOUND	FLAG	RF MEAN	RF 50	%D
4	Pyridine		1.665	1.496	10.2
5	1,4-Dichlorobenzene	CCC	1.599	1.529	4.4
6	2-Methyphenol		1.548	1.482	4.3
7	3 & 4-Methylphenol		1.581	1.512	4.4
8	Hexachloroethane		0.651	0.625	4.0
13	Nitrobenzene		0.396	0.390	1.5
14	Hexachlorobutadiene	CCC	0.130	0.139	-6.9
18	2,4,6-Trichlorophenol	CCC	0.310	0.320	-3.0
19	2,4,5-Trichlorophenol		0.327	0.321	1.9
20	2,4-Dinitrotoluene		0.315	0.335	-6.5
22	Hexachlorobenzene		0.187	0.232	-24.1*
23	Pentachlorophenol	CCC	0.096	0.048	49.7!
2	2-Fluorophenol	S	1.445	1.425	1.4
3	Phenol-d5	S	1.824	1.746	4.3
9	2-Chlorophenol-d4	S	1.457	1.452	0.4
10	1,2-Dichlorobenzene-d4	S	0.985	0.936	4.8
12	Nitrobenzene-d5	S	0.393	0.386	2.0
16	2-Fluorobiphenyl	S	1.207	1.277	-5.8
17	2,4,6-Tribromophenol	S	0.126	0.182	-44.5*
25	Terphenyl-d14	S	1.446	1.270	12.2

fails
6/8/94

! = FAILS METHOD CALIBRATION CRITERIA
SPCC RF > 0.050
CCC Difference < 30

* = Exceeds calibration warning limits
Difference < 20

QUAN DB : 4158K03 LAB-BASE QUAN 06/08/94 08:09

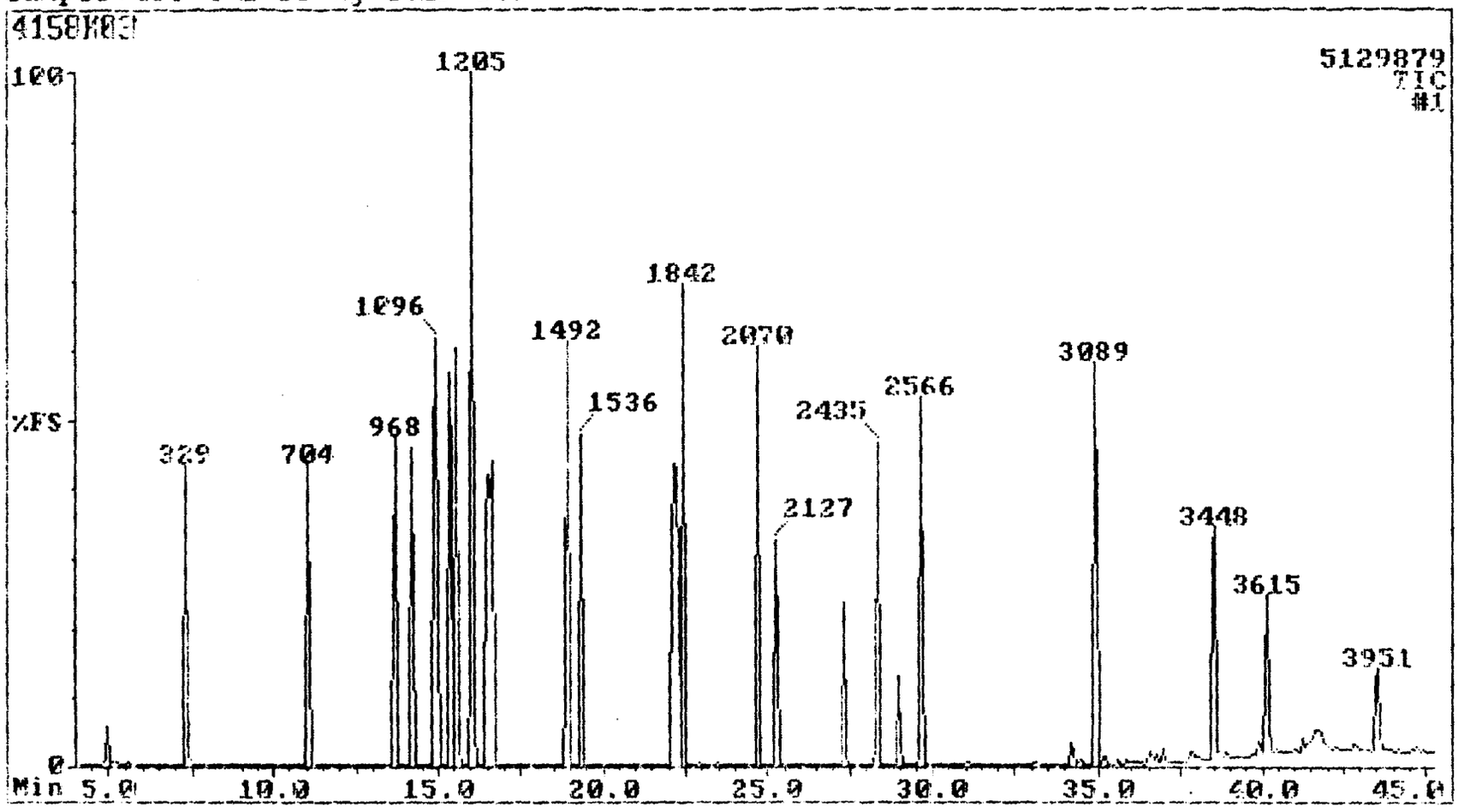
No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.90	1.00	1090	-7	96	98	1509020	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	11.04	0.74	704	0	97	98	2687863	bv	112	2-Fluorophenol	50.0	S
3	13.68	0.92	968	1	98	99	3292924	bv	99	Phenol-d5	50.0	S
4	7.29	0.49	329	-2	99	99	2821024	b?	79	Pyridine	50.0	
5	14.96	1.00	1096	1	97	98	2883948	bv	146	1,4-Dichlorobenzene	50.0	CC
6	15.57	1.04	1157	2	97	98	2794597	bv	108	2-Methyphenol	50.0	
7	16.05	1.08	1205	3	97	98	5703352	bv	108	3 & 4-Methylphenol	100.0	
8	16.49	1.11	1249	2	97	98	1179044	bb	117	Hexachloroethane	50.0	
9	14.20	0.95	1020	1	96	98	2739035	bv	132	2-Chlorophenol-d4	50.0	S
10	15.38	1.03	1138	1	96	97	1769682	bv	152	1,2-Dichlorobenzene-d4	50.0	S
11	18.92	1.27	1492	3	95	98	6258753	bv	136	Naphthalene-d8	40.0	I
12	16.61	0.88	1261	-1	95	97	3017217	vv	82	Nitrobenzene-d5	50.0	S
13	16.68	0.88	1268	-1	97	98	3051128	vv	77	Nitrobenzene	50.0	
14	19.36	1.02	1536	0	94	98	1086042	bb	225	Hexachlorobutadiene	50.0	CC
15	24.70	1.31	2070	0	95	97	3246821	bv	164	Acenaphthene-d10	40.0	I
16	22.42	0.91	1842	0	93	98	5181404	bv	172	2-Fluorobiphenyl	50.0	S
17	27.31	1.11	2331	2	88	97	740524	bv	330	2,4,6-Tribromophenol	50.0	S
18	22.13	0.90	1813	0	93	98	1297931	bv	196	2,4,6-Trichlorophenol	50.0	CC
19	22.24	0.90	1824	0	92	98	1303310	vv	196	2,4,5-Trichlorophenol	50.0	
20	25.27	1.02	2127	1	94	96	1359665	bv	165	2,4-Dinitrotoluene	50.0	
21	29.66	1.20	2566	2	92	96	5535495	bv	188	Phenanthrene-d10	40.0	I
22	28.35	0.96	2435	1	89	94	1607161	bv	284	Hexachlorobenzene	50.0	
23	28.97	0.98	2497	1	82	96	335447	bv	266	Pentachlorophenol	50.0	CC
24	38.48	1.30	3448	2	81	93	3196316	bv	240	Chrysene-d12	40.0	I
25	34.89	0.91	3089	-1	87	94	5075564	b?	244	Terphenyl-d14	50.0	S
26	43.51	1.13	3951	-2	77	90	1968951	bv	264	Perylene-d12	40.0	I

Interim Report LAB-BASE FIND 06/08/94 08:07

Raw Datafile : 4158R03 Quan DB : 4158R03
Find DB : TCLP8270 Scan DB :

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	96	98	-7	1509020	bb	1090	1097	152	1,4-Dichlorobenzene-d4
	82	96	98	41	1769682	bv	1138			
2	100	97	98	0	2687863	bv	704	704	112	2-Fluorophenol
3	100	98	99	1	3232924	bv	968	967	99	Phenol-d5
4	100	99	99	-2	2821024	b?	329	331	79	Pyridine
5	100	97	98	1	2883948	bv	1096	1095	146	1,4-Dichlorobenzene
6	100	97	98	2	2794597	bv	1157	1155	108	2-Methyphenol
7	100	97	98	3	5703352	bv	1205	1202	108	3 & 4-Methylphenol
8	100	97	96	2	1179044	bb	1249	1247	117	Hexachloroethane
9	100	96	98	1	2739035	bv	1020	1019	132	2-Chlorophenol-d4
10	100	96	97	1	1769682	bv	1138	1137	152	1,2-Dichlorobenzene-d4
11	100	95	98	3	6258753	bv	1492	1489	136	Naphthalene-d8
12	100	95	97	-1	3017217	vv	1261	1262	82	Nitrobenzene-d5
13	100	97	98	-1	3051128	vv	1268	1269	77	Nitrobenzene
14	100	94	96	0	1086042	bb	1536	1536	225	Hexachlorobutadiene
15	100	95	97	0	3246821	bv	2070	2070	164	Acenaphthene-d10
16	100	93	98	0	5161404	bv	1842	1842	172	2-Fluorobiphenyl
17	100	88	97	2	740524	bv	2331	2329	330	2,4,6-Tribromophenol
18	100	93	98	0	1297931	bv*	1813	1813	196	2,4,6-Trichlorophenol
19	100	92	98	0	1303310	vv	1824	1824	196	2,4,5-Trichlorophenol
20	100	94	96	1	1359665	bv	2127	2126	165	2,4-Dinitrotoluene
21	100	92	96	2	5535495	bv	2566	2564	188	Phenanthrene-d10
22	100	89	94	1	1607161	bv	2435	2434	284	Hexachlorobenzene
23	100	82	96	1	335447	bv	2497	2496	266	Pentachlorophenol
24	97	81	93	2	3196316	bv	3448	3446	240	Chrysene-d12
25	100	87	94	-1	5075564	b?	3089	3090	244	Terphenyl-d14
26	93	77	90	-2	1968951	bv	3951	3953	264	Perylene-d12

File:4158K03 06/07/94 16:27 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:496-1-2 50 ng TCLP Std HPN:



SW-846 DFTPP TUNE CHECK REPORT

Datafile : 4158K02

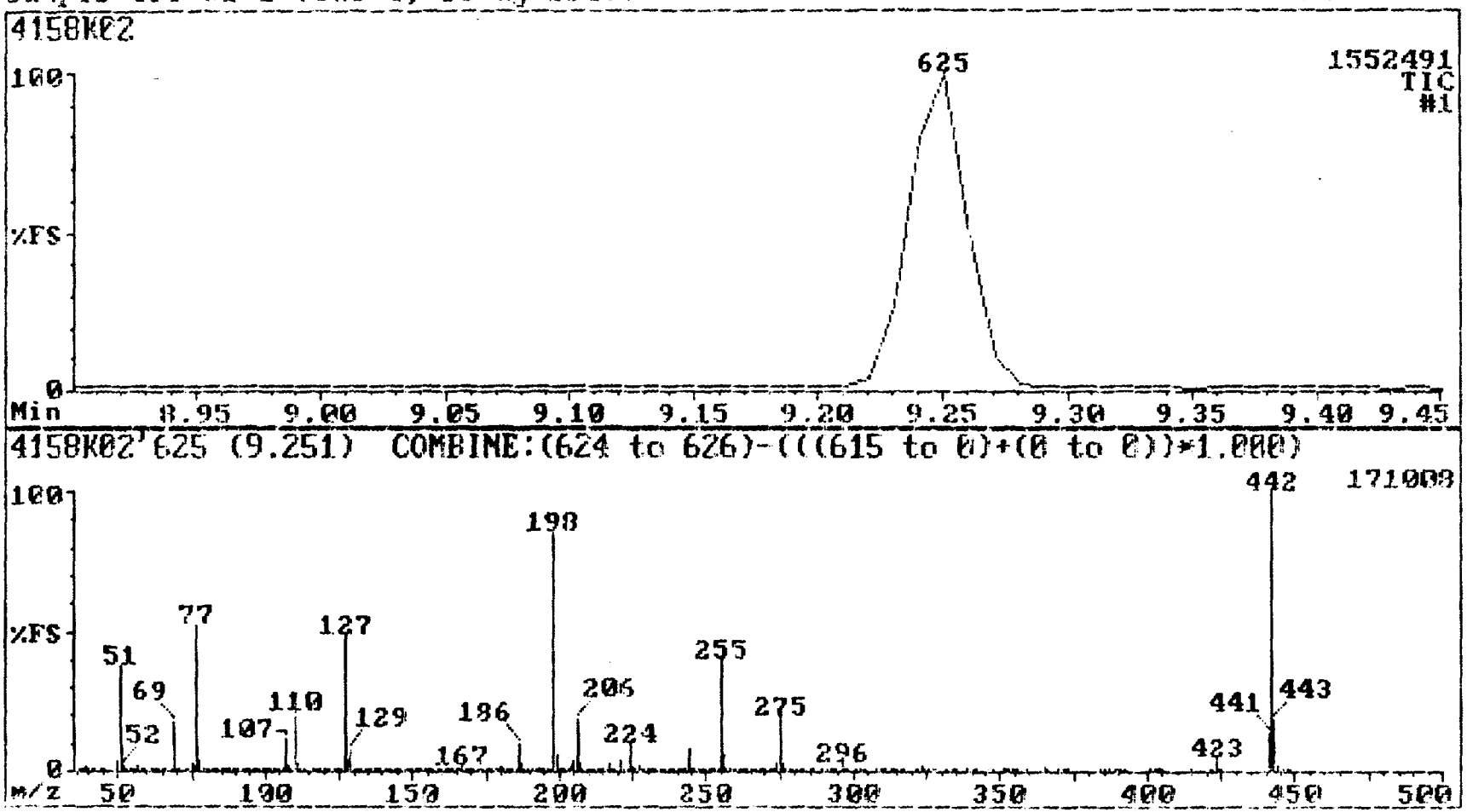
Date : 06/07/94
Time : 16:02

M/Z	ION ABUNDANCE CRITERIA	ABUNDANCE	TUNE
51	30.0 - 60.0% of mass 198	44.76	PASS
68	Less than 2.0% of mass 69	0.11(0.5)1	PASS
69	Mass 69 relative abundance	19.93	PASS
70	Less then 2.0% of mass 69	0.24(1.2)1	PASS
127	40.0 - 60.0% of mass 198	56.64	PASS
197	Less than 1% of mass 198	0.19	PASS
198	Base peak, 100% relative abundance	100.00	PASS
199	5 - 9% of mass 198	6.86	PASS
275	10 - 30% of mass 198	22.20	PASS
365	greater than 1.0% of mass 198	1.89	PASS
441	Present, but less then mass 443	15.73	PASS
442	greater than 40.0% of mass 198	116.78	PASS
443	17.0 - 23.0% of mass 442	21.50(18.4)2	PASS

4158K02'625 (9.251) COMBINE:(624 to 626)-((615 to 0)+(0 to 0))*1.000) 171008

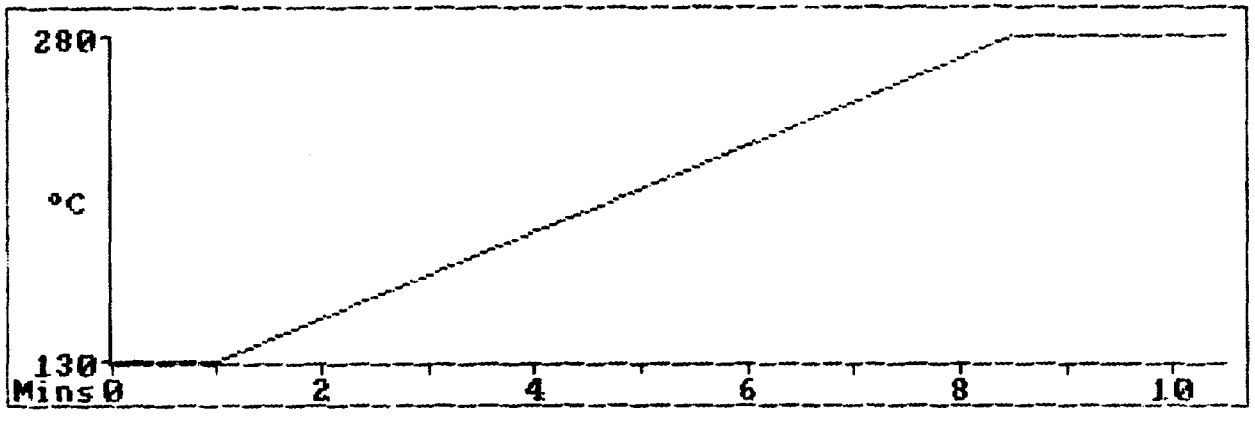
Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int
35	127	0.07	95	72	0.04	151	384	0.22	206	32256	18.86	260	124	0.07	327	500	0.29
36	872	0.51	96	368	0.22	152	187	0.11	207	4288	2.51	261	214	0.13	328	292	0.17
37	17	0.01	97	70	0.04	153	312	0.18	208	468	0.27	262	38	0.02	332	221	0.13
38	564	0.33	98	444	0.26	154	364	0.21	209	156	0.09	263	65	0.04	333	263	0.15
39	3488	2.04	99	944	0.55	155	1360	0.80	210	480	0.28	264	52	0.03	334	1856	1.09
40	218	0.13	100	125	0.07	156	2464	1.44	211	1120	0.65	265	672	0.39	335	535	0.31
41	118	0.07	101	2256	1.32	157	488	0.29	212	236	0.14	266	234	0.14	339	31	0.02
42	30	0.02	102	156	0.09	159	194	0.11	213	91	0.05	267	56	0.03	341	360	0.21
44	116	0.07	103	304	0.18	160	432	0.25	214	37	0.02	268	71	0.04	342	157	0.09
45	94	0.05	104	29	0.02	161	1168	0.68	215	102	0.06	269	73	0.04	346	520	0.30
49	144	0.08	105	324	0.19	162	432	0.25	216	241	0.14	270	78	0.05	347	41	0.02
50	6848	4.00	106	82	0.05	163	148	0.09	217	5184	3.03	271	64	0.04	351	45	0.03
51	65536	38.32	107	19456	11.38	164	126	0.07	218	836	0.49	272	130	0.08	352	976	0.57
52	3632	2.12	108	3504	2.05	165	284	0.17	219	123	0.07	273	2256	1.32	353	776	0.45
53	241	0.14	109	207	0.12	166	684	0.40	221	5888	3.44	274	5760	3.37	354	1152	0.67
54	34	0.02	110	36864	21.56	167	3984	2.33	222	720	0.42	275	32512	19.01	355	235	0.14
55	45	0.03	111	4800	2.81	168	1888	1.10	223	1632	0.95	276	4160	2.43	356	110	0.06
56	412	0.24	112	434	0.28	169	480	0.28	224	16640	9.73	277	1712	1.00	359	75	0.04
57	3408	1.99	113	186	0.11	170	41	0.02	225	3952	2.31	278	332	0.19	365	2768	1.62
58	243	0.14	116	172	0.10	171	73	0.04	226	412	0.24	279	123	0.07	366	404	0.24
59	119	0.07	117	1280	0.75	172	144	0.08	227	2864	1.67	281	288	0.17	370	135	0.08
61	232	0.14	118	234	0.14	173	432	0.25	228	536	0.33	282	87	0.05	371	245	0.14
62	217	0.13	119	88	0.05	174	1040	0.61	229	1360	0.80	283	272	0.16	372	1712	1.00
63	1088	0.64	120	218	0.13	175	2240	1.31	230	251	0.15	284	260	0.15	373	520	0.30
64	232	0.14	121	111	0.06	176	520	0.30	231	664	0.39	285	484	0.28	383	548	0.32
65	1808	1.06	122	180	0.11	177	364	0.21	232	159	0.09	286	99	0.06	384	143	0.09
66	182	0.11	123	356	0.21	178	209	0.12	233	73	0.04	289	30	0.02	385	31	0.02
68	160	0.09	124	132	0.08	179	2128	1.24	234	146	0.09	290	79	0.05	387	34	0.02
69	29184	17.07	125	588	0.34	180	2704	1.58	235	404	0.24	291	53	0.03	389	32	0.02
70	348	0.20	126	48	0.03	181	1408	0.82	236	320	0.19	292	97	0.06	390	255	0.15
71	87	0.05	127	82944	48.50	182	206	0.12	237	528	0.31	293	732	0.43	391	196	0.11
73	272	0.16	128	6080	3.56	183	62	0.04	238	84	0.05	294	127	0.07	392	112	0.07
74	1040	0.61	129	12800	7.49	184	156	0.09	239	31	0.02	296	5120	2.99	401	187	0.11
75	4224	2.47	130	1248	0.73	185	1536	0.90	240	73	0.04	297	752	0.44	402	912	0.53
76	3504	2.05	131	272	0.16	186	17408	10.18	241	226	0.13	298	96	0.06	403	1200	0.70
77	90112	52.69	132	188	0.11	187	4864	2.84	242	868	0.51	301	85	0.05	404	420	0.25
78	6272	3.67	133	66	0.04	188	129	0.08	243	125	0.07	302	121	0.07	405	77	0.05
79	648	0.38	134	128	0.07	189	218	0.13	244	13952	8.16	303	904	0.53	415	77	0.05
80	452	0.26	135	1424	0.83	191	213	0.12	245	1744	1.02	304	251	0.15	421	1120	0.65
81	1904	1.11	136	480	0.28	192	1008	0.59	246	1120	0.65	308	110	0.06	422	1040	0.61
82	824	0.48	137	804	0.47	193	1264	0.74	247	280	0.16	309	45	0.03	423	8640	5.05
83	1392	0.81	138	221	0.13	194	384	0.22	248	147	0.09	310	114	0.07	424	1568	0.92
84	64	0.04	139	78	0.05	195	124	0.07	249	556	0.33	311	37	0.02	425	107	0.06
85	217	0.13	141	972	0.57	196	2464	1.44	250	147	0.09	313	36	0.02	441	23040	13.47
86	148	0.09	142	540	0.32	197	280	0.16	251	32	0.02	314	476	0.28	442	171008	100.00
87	236	0.17	143	500	0.29	198	146432	85.63	252	114	0.07	315	712	0.42	443	31488	18.41
88	220	0.13	144	169	0.10	199	10048	5.88	253	272	0.16	316	584	0.34	444	2928	1.71
89	161	0.09	145	208	0.12	200	960	0.56	254	112	0.07	317	44	0.03	445	336	0.20
90	33	0.02	146	64	0.04	201	504	0.29	255	68608	40.12	321	280	0.16	446	98	0.06
91	213	0.12	147	708	0.41	202	316	0.18	256	9344	5.46	322	132	0.08	447	35	0.02
92	89	0.05	148	824	0.48	203	372	0.22	257	760	0.44	323	3264	1.91	448	73	0.04
93	768	0.45	149	37	0.02	204	3888	2.27	258	1936	1.13	324	580	0.34			
94	63	0.04	150	158	0.09	205	7296	4.27	259	332	0.19	326	30	0.02			

File:4158K02 06/07/94 16:02 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:495-51-1 vial 4, 50 ng DFTPP HPN:



Xit Hcpy ? Other GC INLET EDITOR File: DFTPP

1st ramp		2nd ramp		3rd ramp		4th ramp	
1T Temperature	130	2T Temperature	280	3T Temperature	0	4T Temperature	0
1M Minutes	1.00	2M Minutes	2.00	3M Minutes	0.00	4M Minutes	0.00
1R Rate	20.0	2R Rate	0.0	3R Rate	0.0		



Signals	
SS1 Select	0
SR1 Range	0
SA1 Atten.	0
SZ1 Zero	0.0
SS2 Select	0
SR2 Range	0
SA2 Atten.	0
SZ2 Zero	0.0

Colors		Purge valve		Injectors	
CA Axes	8	PS Purge State	ON	IA Temperature	0
CS Scale	13	PF Mins off	0.00	IB Temperature	250
CR Ramp	11	PN Mins on	1.00		

General	
GO Oven max	325
GC Cryogenic	NO
GE Eq mins	0.50
GV Dump Valve	NO
GD Detectors	NO

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

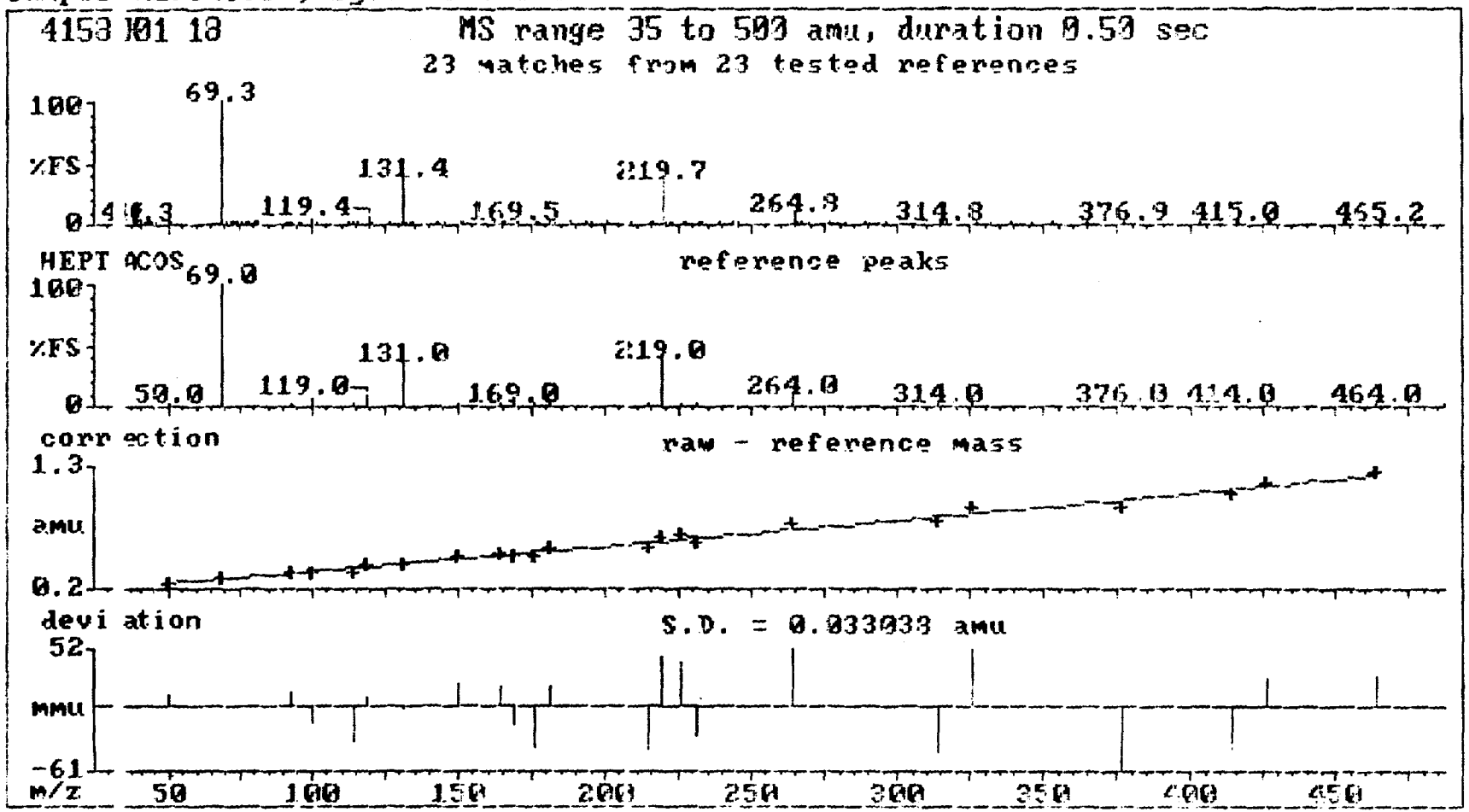
Xit Hcpy ? Other GC INLET EDITOR File: DFTPP

SD Sample Description
496-51-1 vial 4, 50 ng DFTPP
CO Conditions DB5.625 30m x 0.25mm id x 1um film, 2uL

DU Duration (mins)	0.00	MSM	MS Mode	SCN
SO Solvent delay	3.0	MSF	MS Filename	BNA
JI Job Identifier				
TI Task Identifier				
UN User Name	DPZ	ST	Store oven Temperature	NO
IN Instrument Name	VGTrio2C	ECS	External Contact Start	YES
LN Laboratory Name	TCT St Paul			

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

File:4158K01 06/07/94 15:58 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample HEPTACOSA, Dynamic Calibration Scan HPN:



Xit Hcpy ? SCAN EDITOR File: BNA

SD Sample Description
HEPTACOSA, Dynamic Calibration Scan

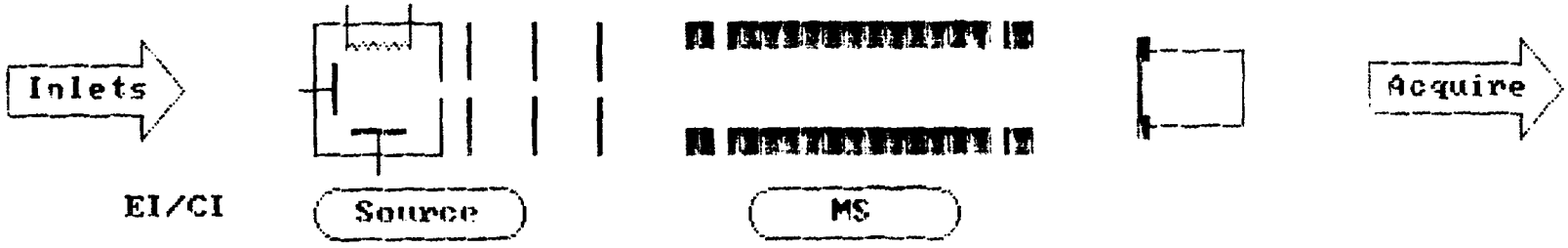
DU Duration (mins)	0.25	A1 Analog channel 1	OFF
UN User Name	DPZ	A2 Analog channel 2	OFF
IM Ionization Mode	EI+	A3 Analog channel 3	OFF
IN Instrument Name	VGTrio2C	A4 Analog channel 4	OFF
LN Laboratory Name	TCT St Paul		

Scanning Control Parameters

	Start mass	End mass	Scan time	Interscan time
SE SEgment	35	500	0.50	0.10

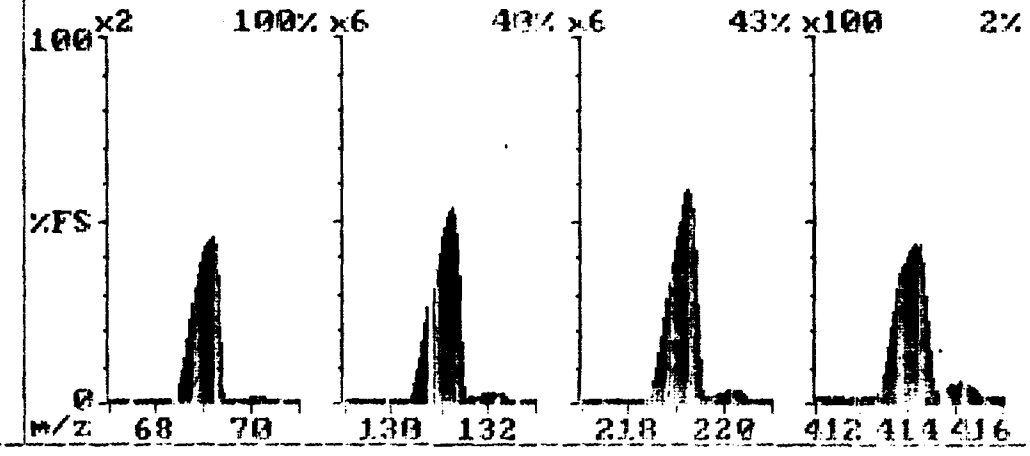
Xit Hcpy ? Rd T TUNE EDITOR Ion mode: EI+ File: LAB_BASE

Temperature (°C): Source 249 GC line 251 Jet 400



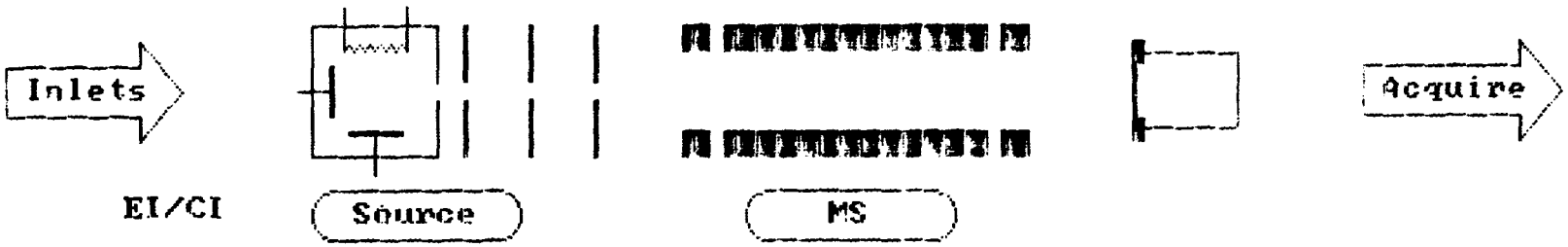
TU	Tuning	INLETS
IT	250	
DC	0	
JT	0	

Peak		Center	Span	Gain
P1	ON	69.00	4	2
P2	ON	131.00	4	6
P3	ON	219.00	4	6
P4	ON	414.00	4	100



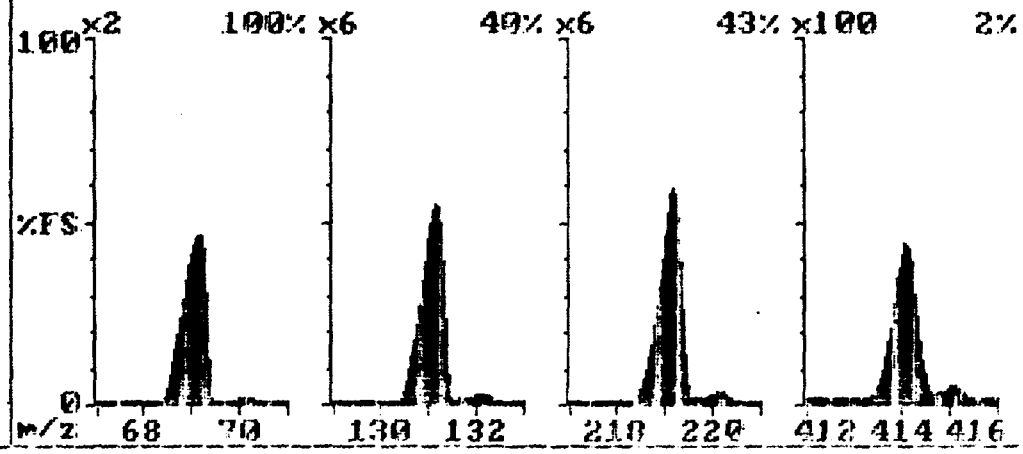
Xit Hcpy ? Rd T TUNE EDITOR Ion mode: EI+ File: LAB_BASE

Temperature (°C): Source 249 GC line 251 Jet 400



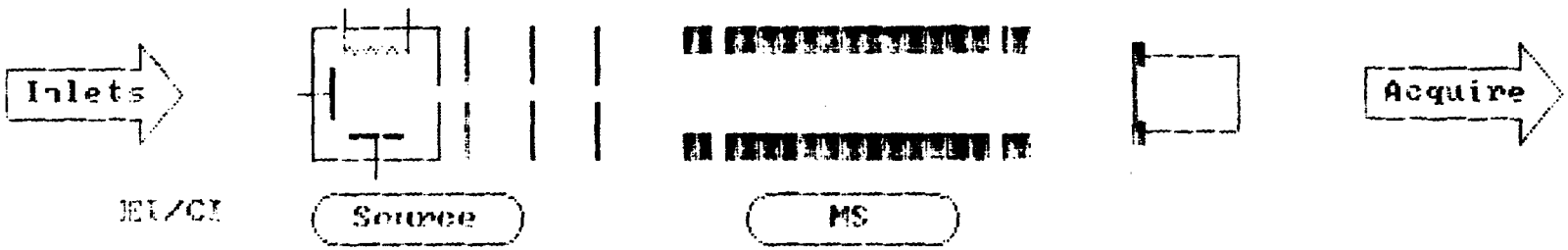
TU	Tuning	MS
IE	0.8	
ER	12.0	
RL	10.0	
RH	8.3	
MU	650	

Peak		Center	Span	Gain
P1	ON	69.00	4	2
P2	ON	131.00	4	6
P3	ON	219.00	4	6
P4	ON	414.00	4	100



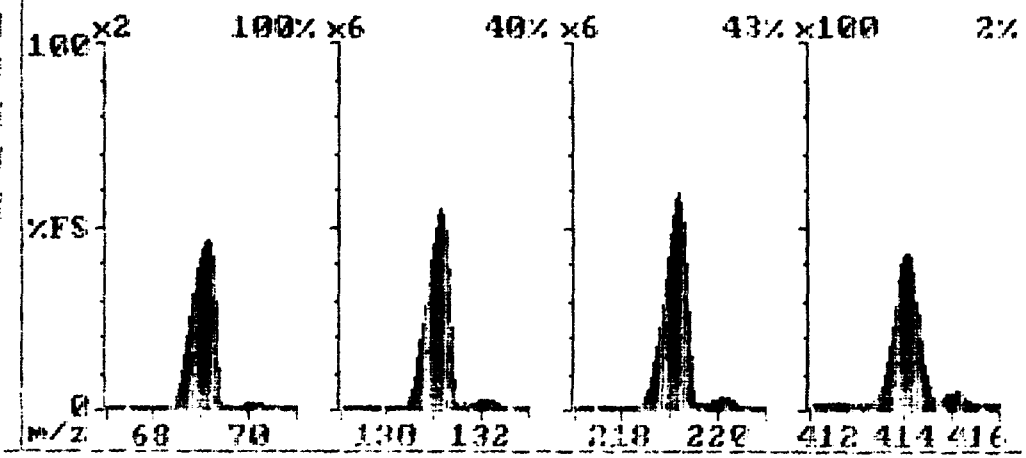
Xit Hcpy ? Rd T TUNE EDITOR Ion mode: EI+ File: LAB_BASE

Temperature (°C): Source 249 GC line 251 Jet 400



TU	Tuning	SOURCE
ST	250	
EE	70	
EC	50	
IR	1.0	
IX	70	
IF	33	
F3	10	
PT	0	
RG	ON	

Peak		Center	Span	Gain
P1	ON	69.00	4	2
P2	ON	131.00	4	6
P3	ON	219.00	4	6
P4	ON	414.00	4	100



Huntingdon

EXTRACTABLES INSTRUMENT RUN LOG

Date 6/9/94 Analyst Signature D. Zimmerman

Channel/Inst. No(s). VGTR102C Column(s) #82 DB5MS Calibration File No(s). 4160K (ICAL)

Document maintenance on lines below:

Method 8270 TCLP

Pos. No.	Data File No.	Sample No.	Client/Job No.	Injection Vol.	Dilution	Remarks
	4160K01	Heptacosa	—	—	—	Dynamic Cal
	02	496-S1-1	—	2µL	—	50 ng DFTPP
	03	496-4-2	—	2µL	—	50 ng TCLP Std
	04	496-4-1	—	2µL	—	20 ng TCLP Std
	05	496-4-3	—	2µL	—	80 ng TCLP Std
	06	496-4-4	—	2µL	—	120 ng TCLP Std
	07	496-4-5	—	2µL	—	160 ng TCLP Std
	08	Blank	—	2µL	—	6/8/94
	09	496-S1-1	—	2µL	—	50 ng DFTPP
	10	496-4-2	—	2µL	—	50 ng TCLP Std
	11	LCS	—	2µL	—	6/8/94
	12	31V-1	5001	2µL	—	6/8/94
	13	QD1-MS	EEI	2µL	—	6/8/94
	14	QD1-MSD	EEI	2µL	—	6/8/94
	15	GS-C304-101 MS	EEI	2µL	—	6/8/94
	16	GS-C304-101 MSD	EEI	2µL	—	6/8/94

6/10/94

Peer Review/Date

C-262 (5/94)

Huntingdon

TCLP

METHOD 3510/8270A EXTRACTION SHEET - WATERS

Batch No(s). _____

Date Extracted: 6-8-94 H$_2$O Polished: ✓ 10N NaOH: 4-13-94 CL (Date/Initials)

Extracted By: EL / DL MeCL$_2$ Lot: 941050 (1:1 V/V) H$_2$SO$_4$: 4-4-94 LCJM (Date/Initials)

Reviewed By: _____ Na$_2$SO$_4$ Lot: 941592 Concentrated By/Date: EL 6-8-94

HSN	HPN	Init EL Sample Wt. (mL)	Init EL/SC Surr. 500 µL	Init EL/SC Spike 500 µL	Init EL pH 1st/2nd/3rd	Init EL Date 6-8-94 F.V.(mL)
31V-1		200.0			5/2/12	1.0
					/ /	
					/ /	
					/ /	
					/ /	
					/ /	
					/ /	
					/ /	
					/ /	
					/ /	
					/ /	
					/ /	
					/ /	
MS-QD1		200.0			7/2/12	1.0
MSD-QD1		200.0			7/2/12	1.0
MS-101		200.0			5/2/12	1.0
MSD-101		200.0			5/2/12	1.0
LCS		200.0			5/2/12	1.0
BLNK		200.0			5/2/12	1.0

Comments: Added 200.0 mL of each sample to 800.0 mL [illegible] H$_2$O. 6-8-94 EL
Added 10µL IS 495-42-15 DL 6/9/94

Surrogate ID: 454-46-02 Conc.: Acid 150 µg/mL B/N 100 µg/mL Amount: 500 µL

Spike ID: 454-46-01 Conc.: 130 µg/mL ~~Acid 150 µg/mL~~ ~~B/N 100 µg/mL~~ Amount: 500 µL

Extracts:
Relinquished By: EL 6-8-94 Received By: Fri# 4416-82 Date: 6-8-94

QUAN DB : 4160K14 LAB-BASE QUAN 06/10/94 08:14

6/10/94

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.81	1.00	1081	0	94	96	1982630	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	10.95	0.74	695	1	95	96	5536656	bv	112	2-Fluorophenol	75.1	S
3	13.59	0.92	959	0	96	97	4469851	bv	99	Phenol-d5	49.2	S
4	7.20	0.49	320	3	98	99	5899428	b?	79	Pyridine	67.9	
5	14.87	1.00	1087	1	95	96	5146088	bv	146	1,4-Dichlorobenzene	66.0	CC
6	15.49	1.05	1149	1	91	98	7208274	vv	108	2-Methyphenol	94.9	
7	15.98	1.05	1198	2	95	95	13529199	bv	108	3 & 4-Methylphenol	170.1	
8	16.40	1.11	1240	1	96	97	2029432	bb	117	Hexachloroethane	62.5	
9	14.12	0.95	1012	2	95	96	8242485	bv	132	2-Chlorophenol-d4	118.4	S
10	15.29	1.03	1129	1	92	94	2605378	bv	152	1,2-Dichlorobenzene-d4	53.0	S
11	18.83	1.27	1463	0	93	96	7807079	bv	136	Naphthalene-d8	40.0	I
12	16.53	0.82	1253	1	89	95	6296932	vv	82	Nitrobenzene-d5	79.1	S
13	16.60	0.86	1260	2	94	95	9069602	bv	77	Nitrobenzene	112.9	
14	19.27	1.02	1527	0	92	96	1687050	bv	225	Hexachlorobutadiene	63.8	CC
15	24.63	1.31	2063	1	87	94	4244718	vv	164	Acenaphthene-d10	40.0	I
16	22.35	0.91	1835	0	92	96	8071299	bv	172	2-Fluorobiphenyl	60.5	S
17	27.24	1.11	2324	0	85	96	2012359	bv	330	2,4,6-Tribromophenol	171.6	S
18	22.06	0.90	1806	0	91	96	4029556	bv	196	2,4,6-Trichlorophenol	117.4	CC
19	22.18	0.90	1818	1	90	96	4441575	vb	196	2,4,5-Trichlorophenol	126.2	
20	25.23	1.02	2123	3	91	96	4207716	bv	165	2,4-Dinitrotoluene	125.3	
21	29.60	1.20	2560	0	84	89	6534093	vv	188	Phenanthrene-d10	40.0	I
22	28.29	0.96	2429	1	84	90	3756309	vv	284	Hexachlorobenzene	125.0	
23	28.92	0.98	2492	2	79	93	2664480	vv	266	Pentachlorophenol	294.0	CC
24	38.45	1.30	3445	-1	78	85	2891255	bv	240	Chrysene-d12	40.0	I
25	34.86	0.91	3086	2	82	91	10551399	bv	244	Terphenyl-d14	110.5	S
26	43.49	1.13	3949	2	64	81	1212146	bv	264	Perylene-d12	40.0	I

Datafile : 4160K14

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	840128	1982630	3360512
Naphthalene-d8	3401550	7807075	13606200
Acenaphthene-d10	1703085	4244718	6812338
Phenanthrene-d10	2705354	6534093	10821414
Chrysene-d12	1303334	2891255	5213334
Perylene-d12	632282	1212146	2529132

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	14.81	14.81
Naphthalene-d8	18.83	18.83
Acenaphthene-d10	24.62	24.63
Phenanthrene-d10	29.59	29.60
Chrysene-d12	38.45	38.45
Perylene-d12	43.47	43.49

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	75.0992	50.1	(25-121)	(21-110)	bv	5536656
Phenol-d5	49.2298	32.8	(24-113)	(10-110)	bv	4469851
2-Chlorophenol-d4	118.3526	78.9	(20-130)	(33-110)	bv	8242485
1,2-Dichlorobenzene-d4	53.0448	53.0	(20-130)	(16-110)	bv	2605378
Nitrobenzene-d5	79.0956	79.1	(23-120)	(35-114)	vv	6296992
2-Fluorobiphenyl	60.5328	60.5	(30-115)	(43-116)	bv	8071299
2,4,6-Tribromophenol	171.6023	114.4	(19-122)	(10-123)	bv	2012359
Terphenyl-d14	110.4860	110.5	(18-137)	(33-141)	bv	10551399

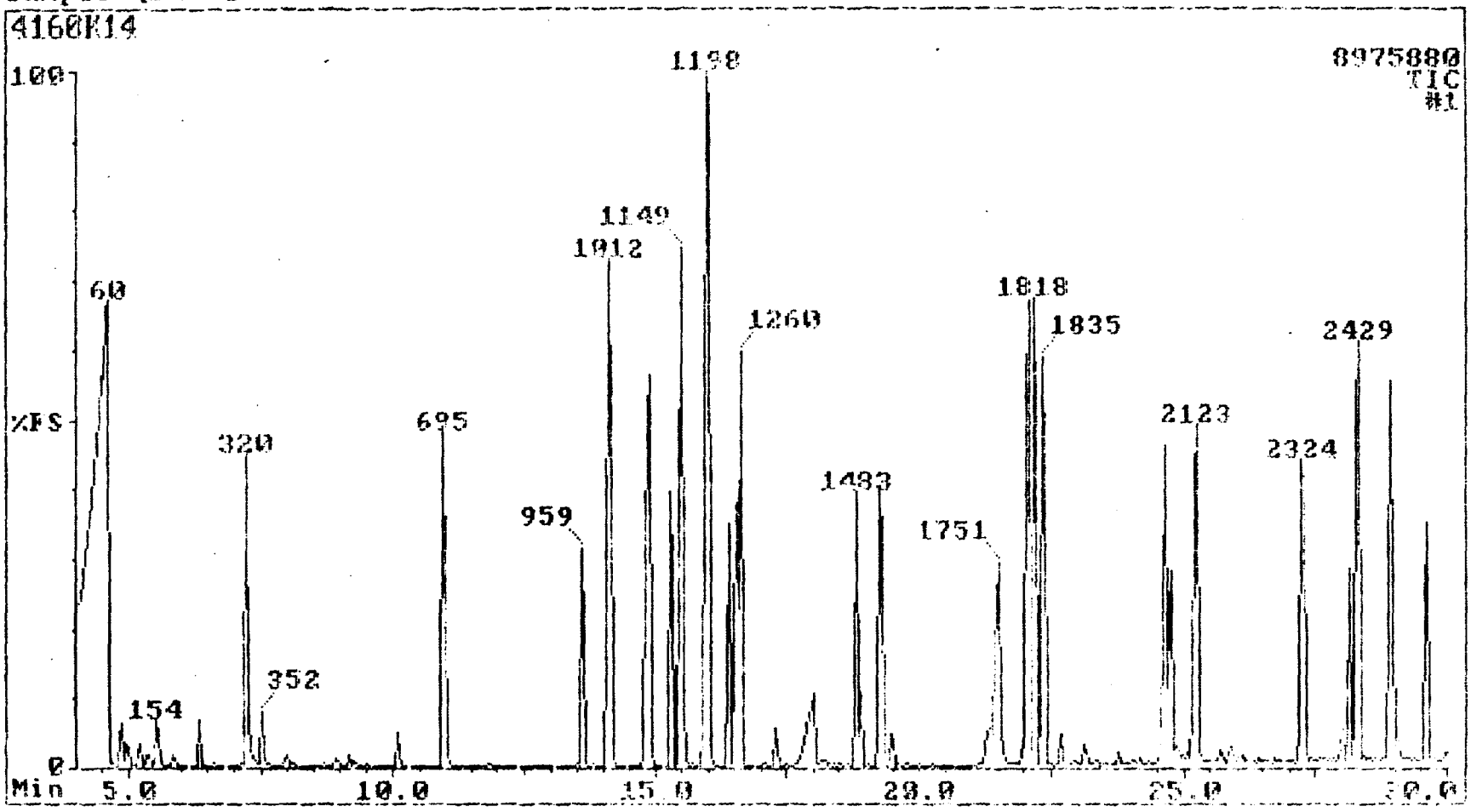
Interim Report LAB-BASE FIND 06/10/94 07:52

Raw Datafile : 4160K14
Find DB : TCLP8270

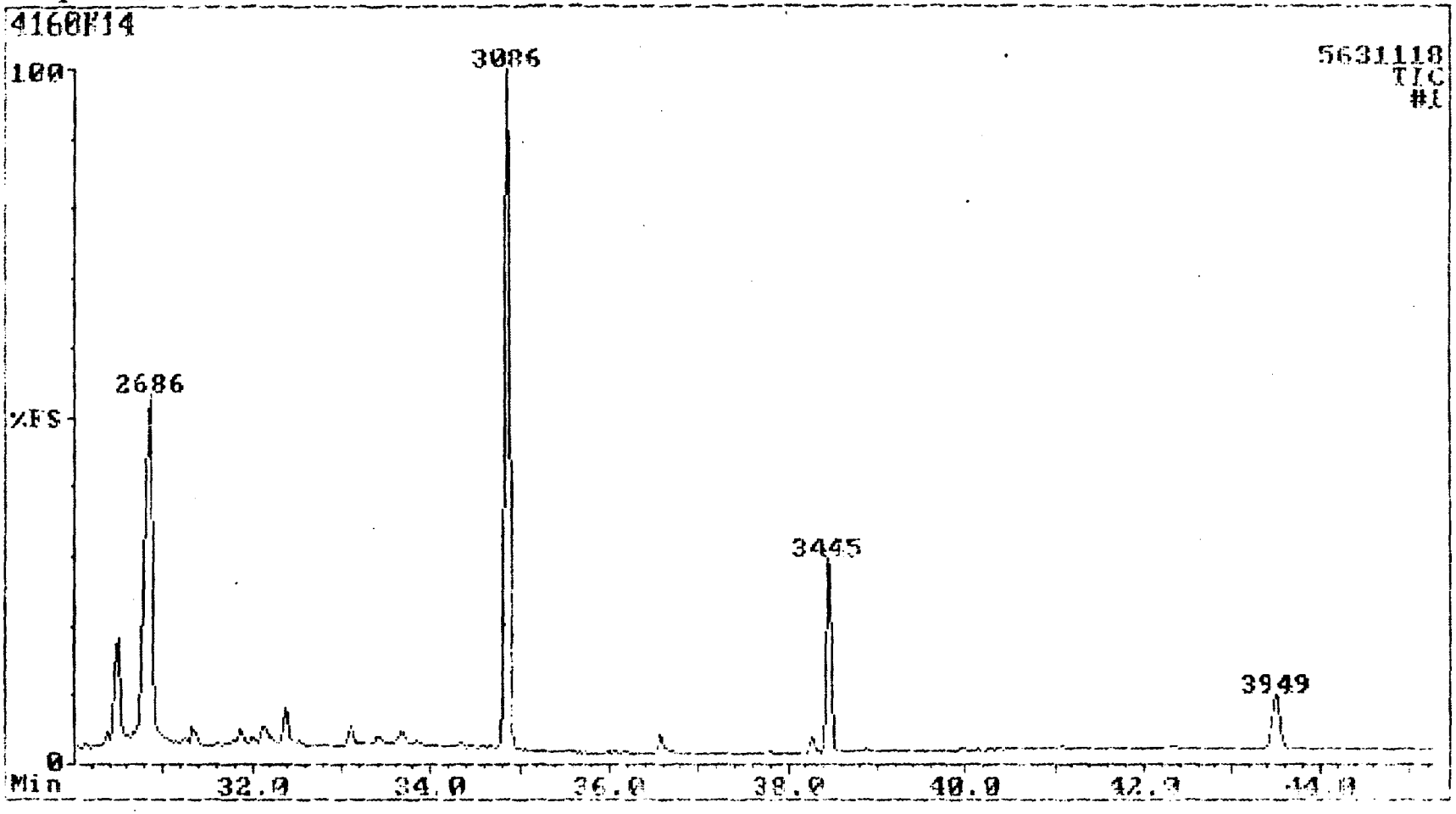
Quan DB : 4160K14
Scan DB : 4160K14

No.	Spectrum MHI	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	94	96	0	1982630	bb	1081	1081	152	1,4-Dichlorobenzene-d4
	73	94	95	48	2605378	bv	1129			
2	100	95	96	1	5536656	bv	695	694	112	2-Fluorophenol
3	100	96	97	0	4469851	bv	959	959	99	Phenol-d5
4	100	98	99	3	5899426	bv	320	317	79	Pyridine
5	100	95	96	1	5146088	bv	1087	1086	146	1,4-Dichlorobenzene
6	100	91	96	1	7202774	vv	1149	1148	108	2-Methyphenol
7	100	95	96	2	13529199	bv	1198	1196	108	3 & 4-Methylphenol
8	100	96	97	1	2029432	bb	1240	1239	117	Hexachloroethane
9	100	95	96	2	8242485	bv	1012	1010	132	2-Chlorophenol-d4
10	100	92	94	1	2605378	bv	1129	1128	152	1,2-Dichlorobenzene-d4
11	100	93	96	0	7807079	bv	1483	1483	136	Napnthalene-d8
12	100	89	96	1	6296992	vv	1253	1252	82	Nitrobenzene-d5
13	100	94	95	2	9069602	bv	1260	1258	77	Nitrobenzene
14	100	92	96	0	1687030	bv	1527	1527	225	Hexachlorobutadiene
15	100	87	94	1	4244718	vv	2063	2062	164	Acenaphthene-d10
16	100	92	96	0	8071299	bv	1835	1835	172	2-Fluorobiphenyl
17	100	85	96	0	2012359	bv	2324	2324	330	2,4,6-Tribromophenol
18	100	91	96	0	4029556	bv	1806	1806	196	2,4,6-Trichlorophenol
19	100	90	96	1	4441579	vb	1818	1817	196	2,4,5-Trichlorophenol
20	99	91	96	3	4207716	bv	2123	2120	165	2,4-Dinitrotoluene
21	100	84	89	0	6534092	vv	2560	2560	188	Phenanthrene-d10
22	100	84	90	1	3756509	vv	2429	2428	284	Hexachlorobenzene
23	96	79	93	2	2664480	vv	2492	2490	266	Pentachlorophenol
24	97	78	85	-1	2891255	bv	3445	3446	240	Chrysene-d12
25	97	83	91	2	10551399	bv	3086	3084	244	Terphenyl-d14
26	81	64	81	2	1212146	bv	3949	3947	264	Perylene-d12

File:4160K14 06/09/94 18:17 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:QD1 MSD 5/3/94 HPN:EEI



File:4160K14 06/09/94 18:17 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:QD1 MSD 6/3/94 MPN:EEI



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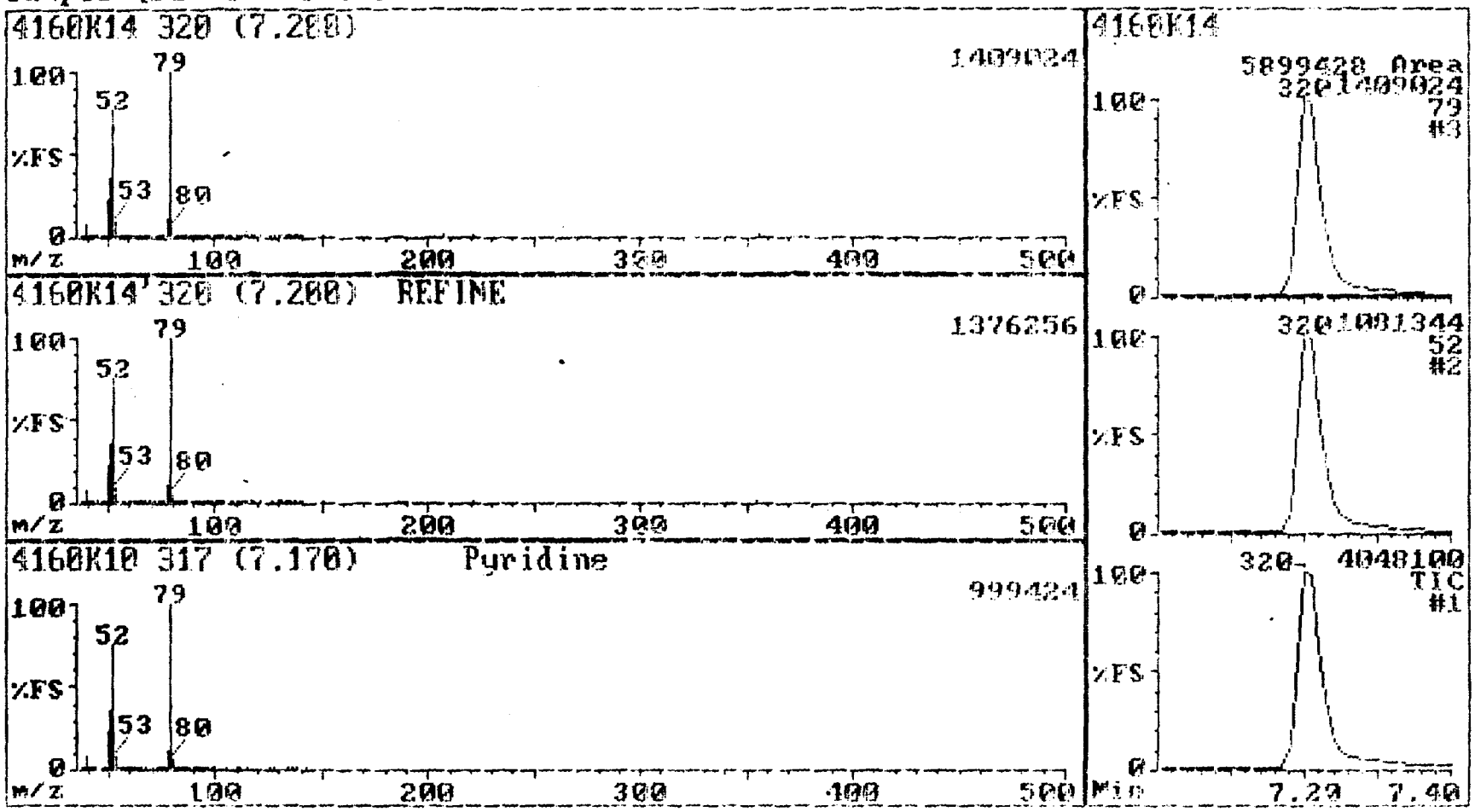
Sample:QD1 MSD 6/8/94 HPN:EEI



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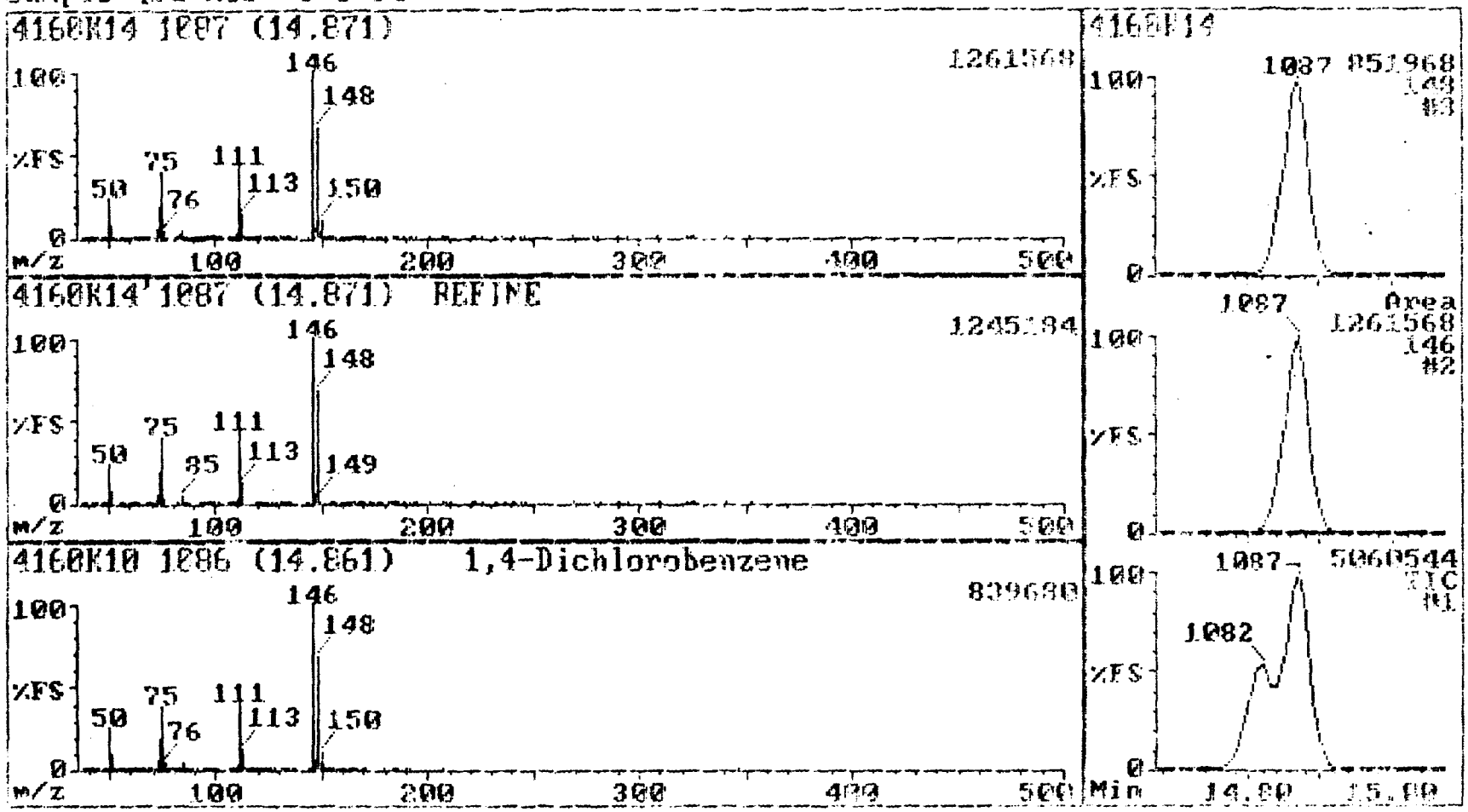
Sample:QD1 MSD 6/3/94 HPN:EEI



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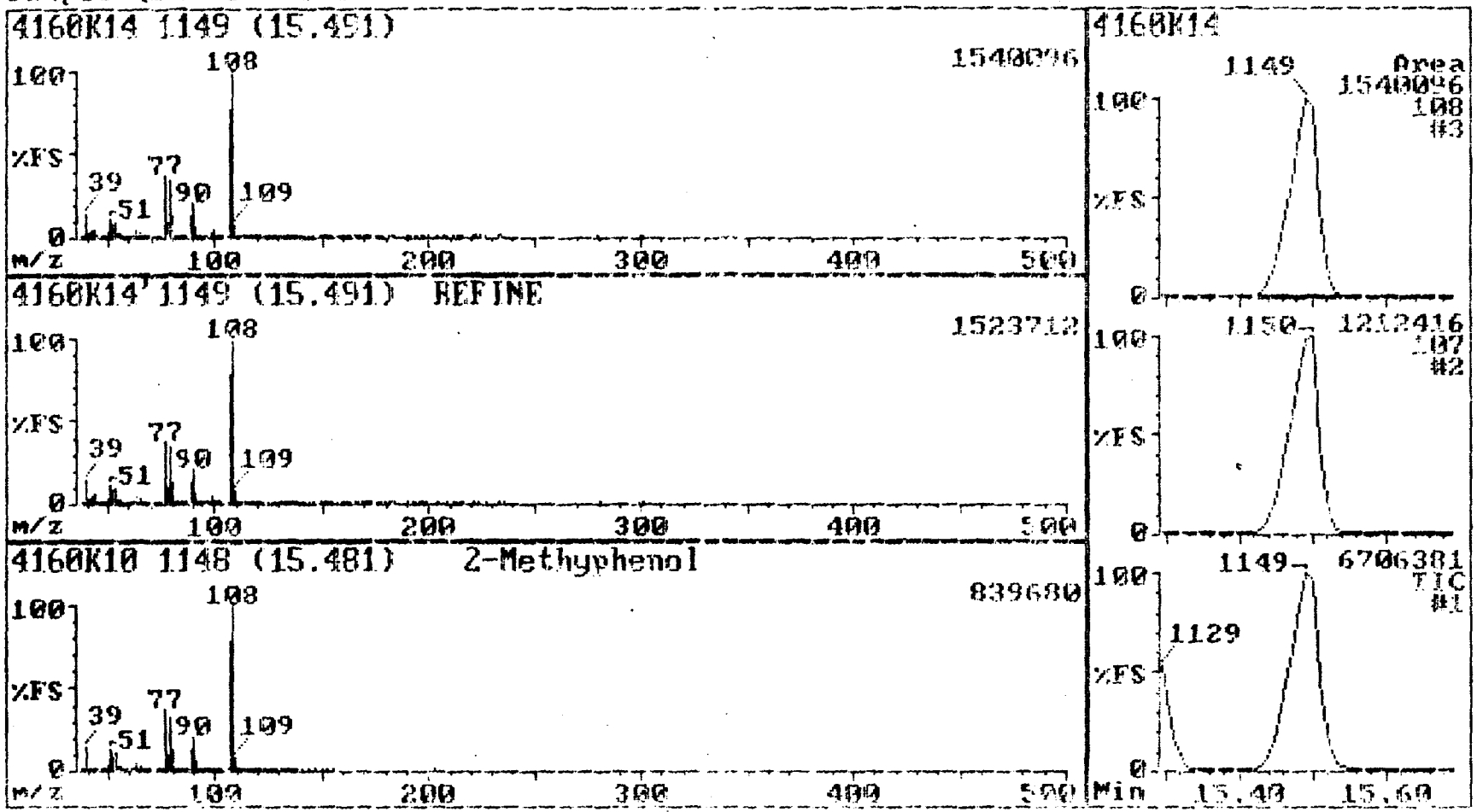
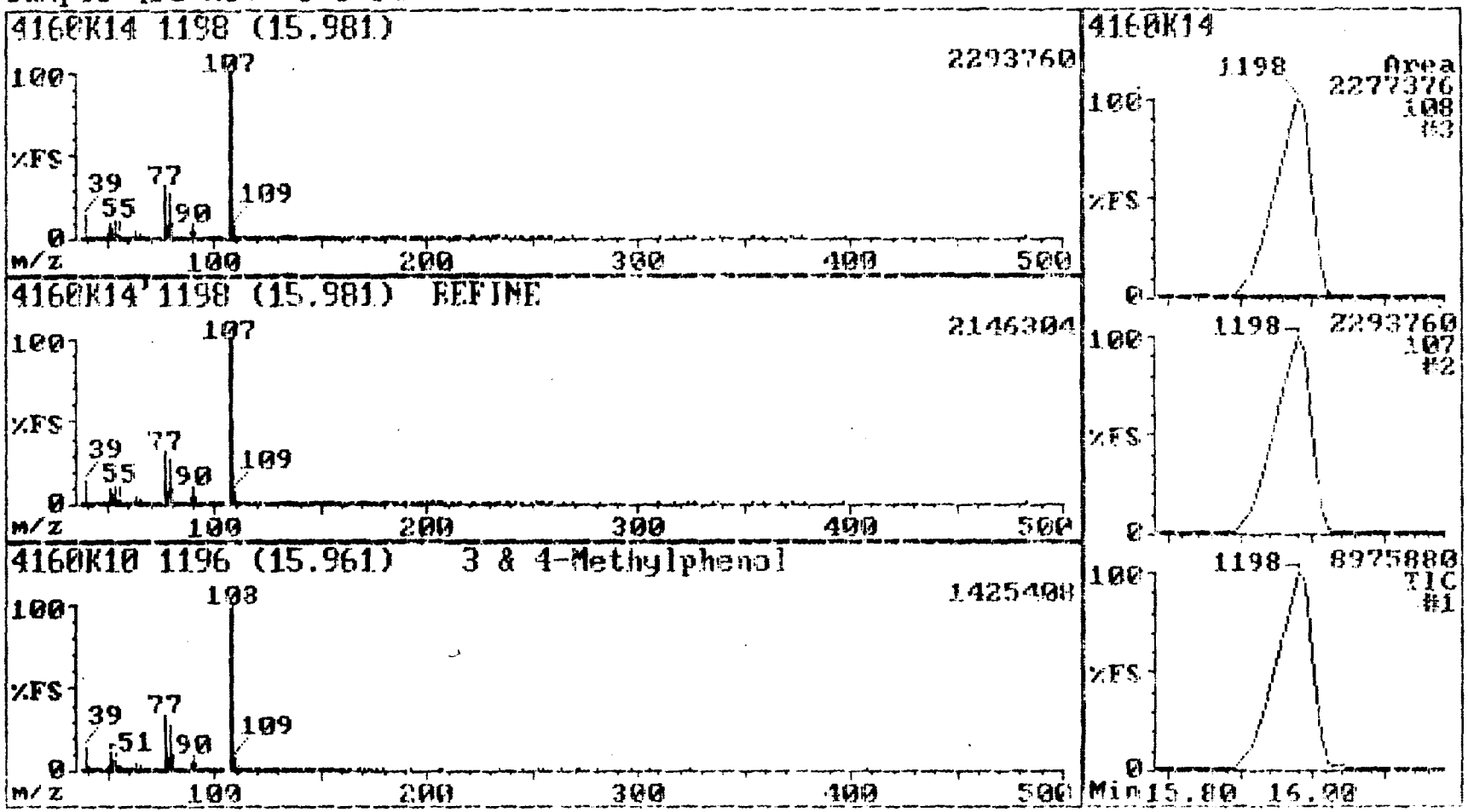
Sample:QD1 MSD 6/8/94 HPN:EEI



File:4160K14 06/09/94 18:17 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:QD1 MSD 6/8/94 HPN:EEI



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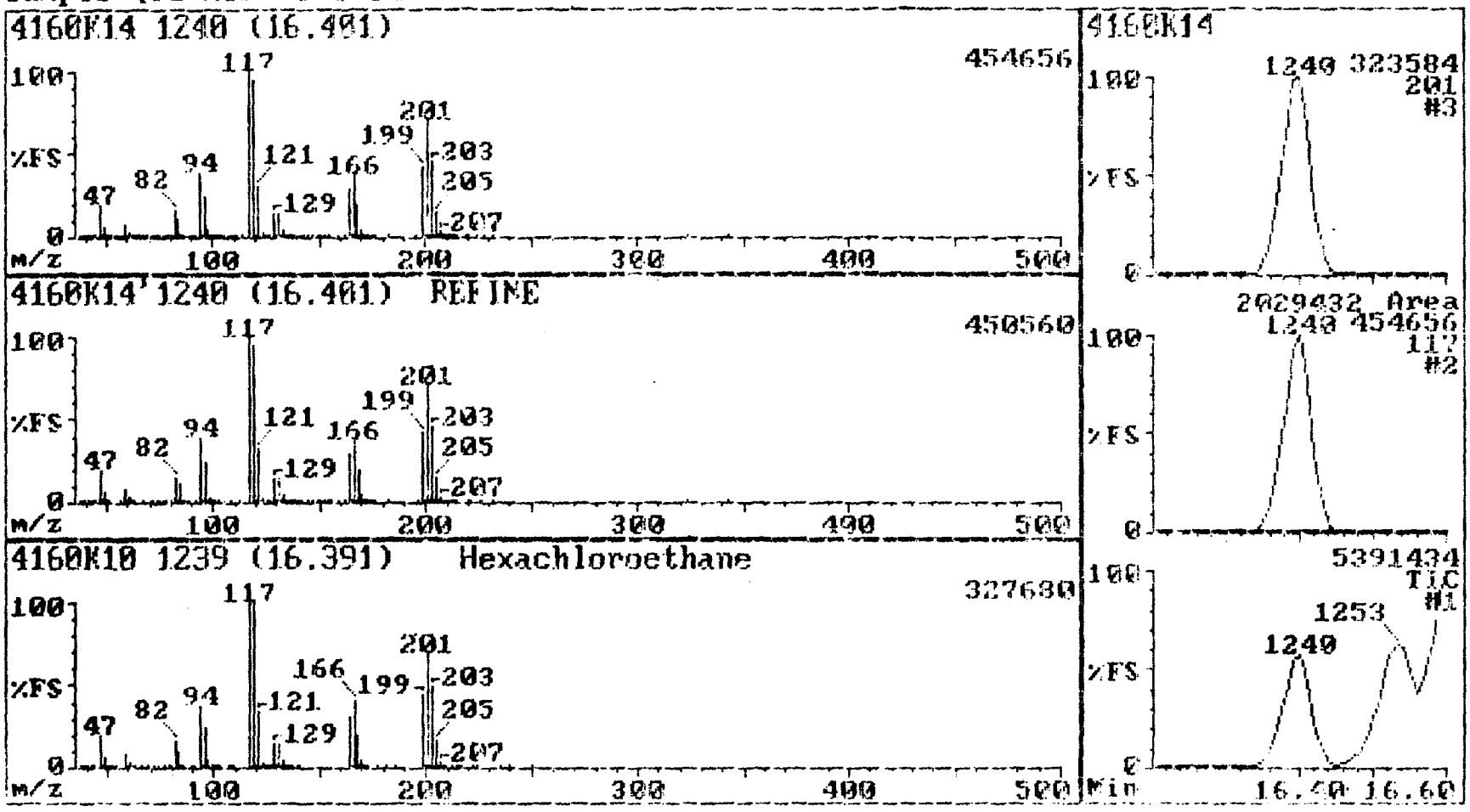
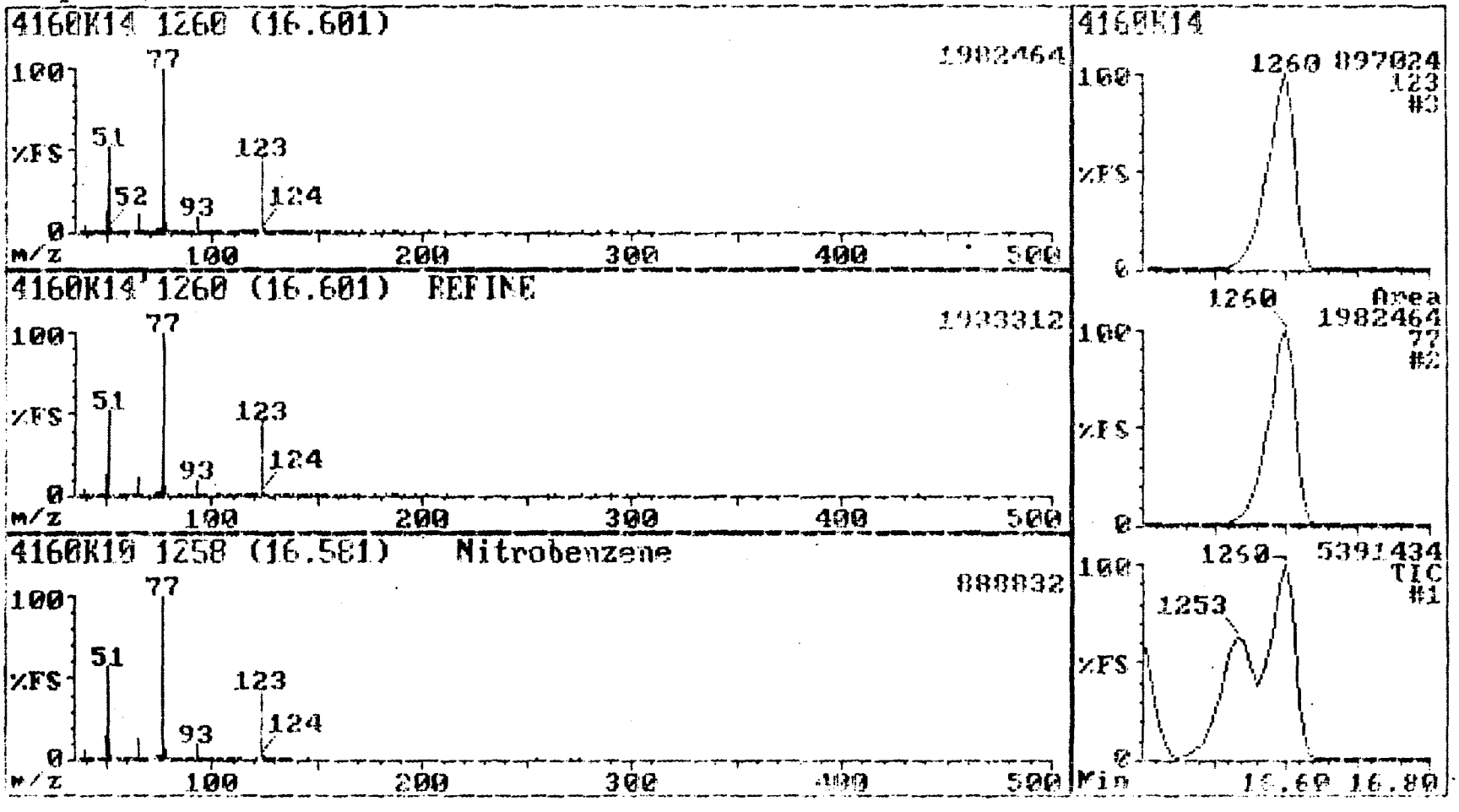
Sample:QD1 MSD 6/3/94 HPN:EEI



File:4160K14 06/09/94 18:17 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:QD1 MSD 6/8/94 HPN:EEI



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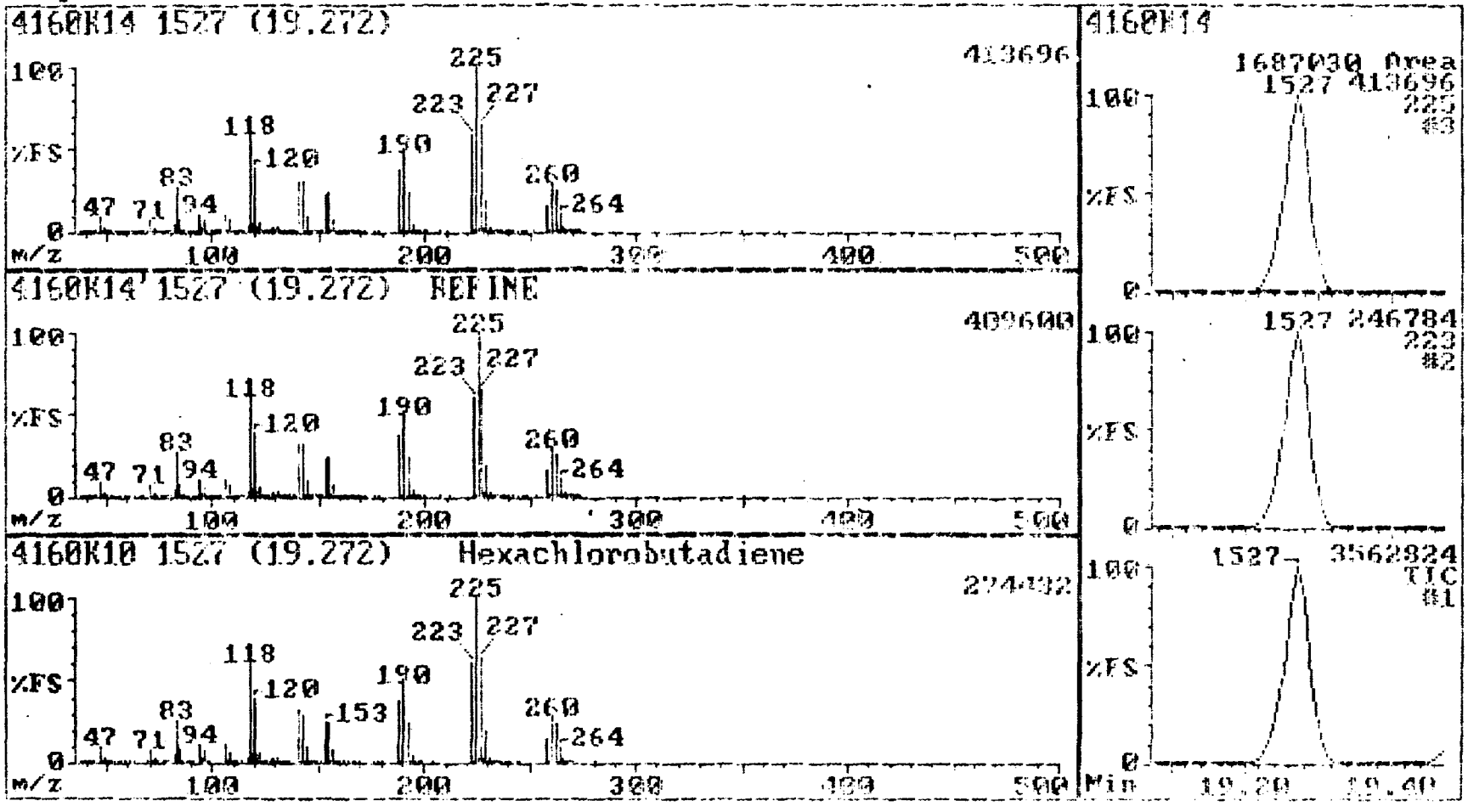
Sample:QD1 MSD 6/8/94 HPN:EEI



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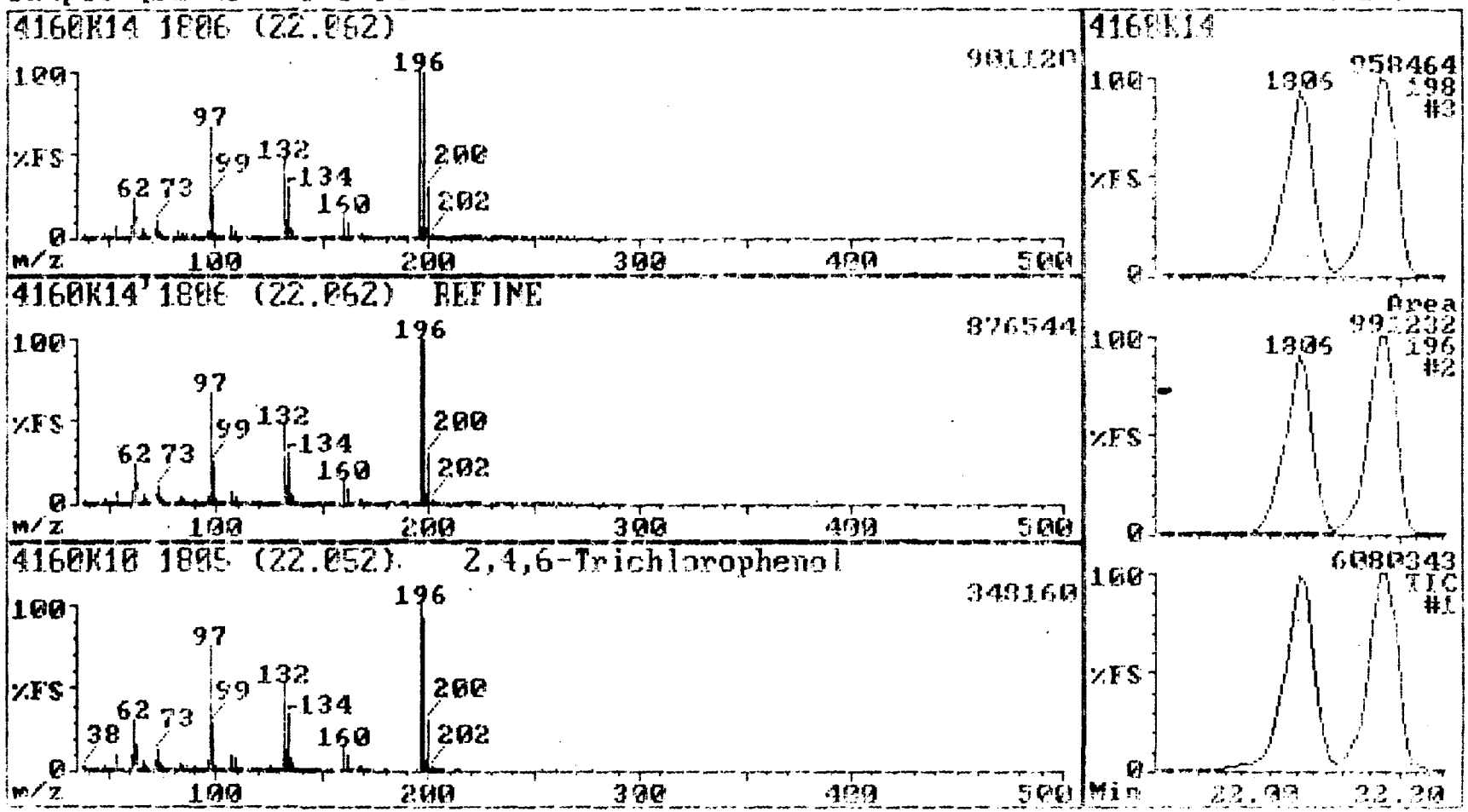
Sample:QD1 MSD 6/8/94 HPN:EEI



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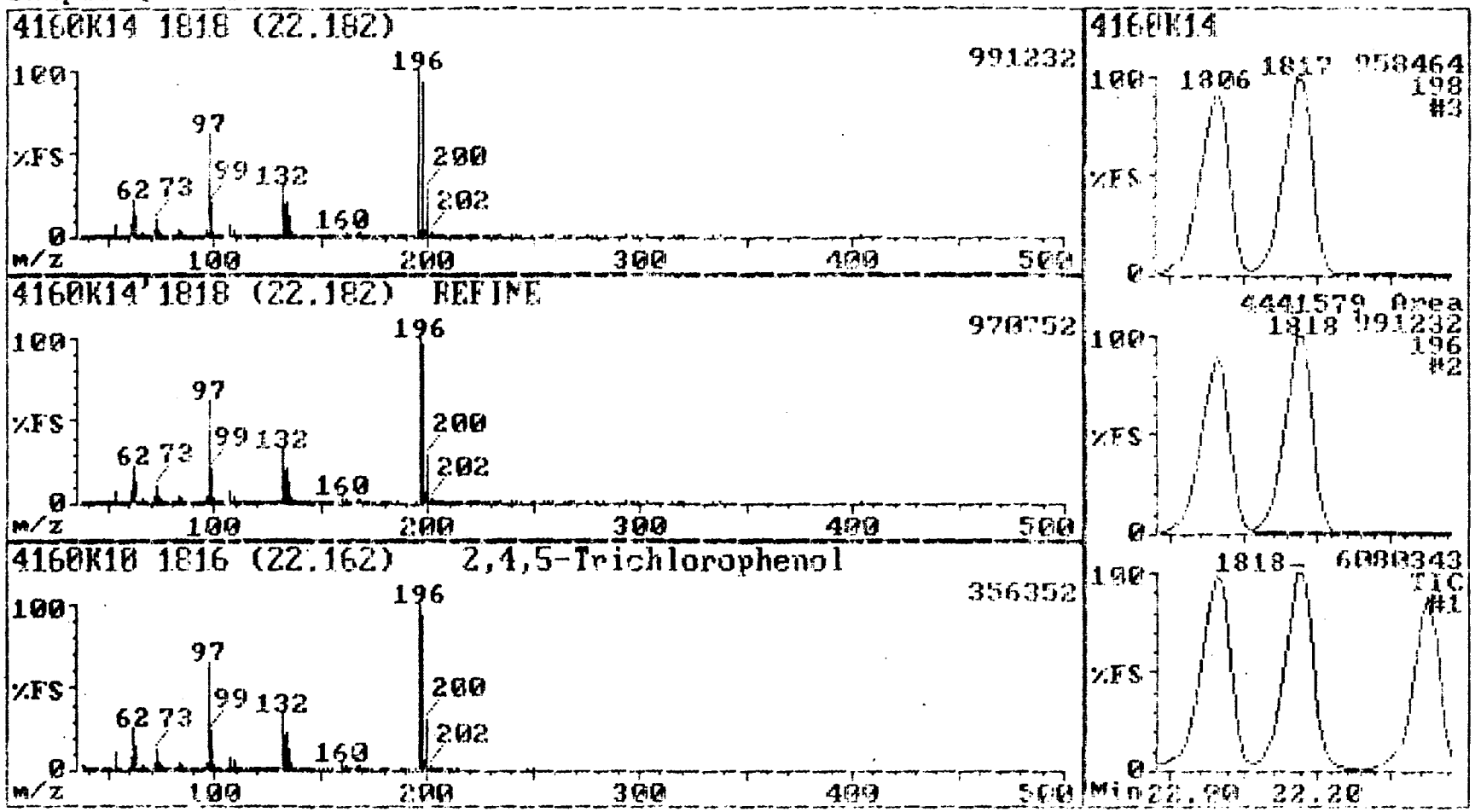
Sample:QD1 MSD 6/9/94 HPN:EEI



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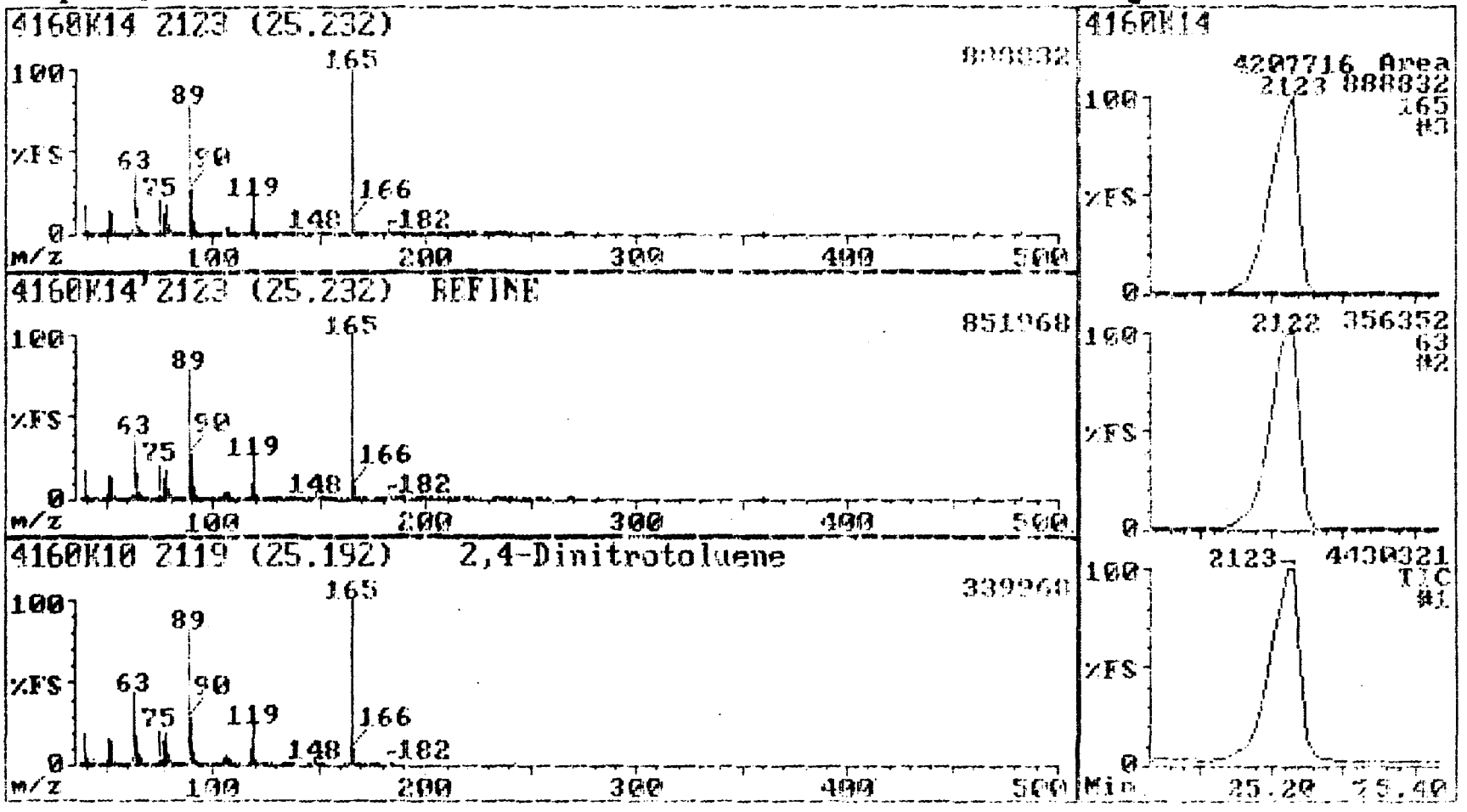
Sample:QD1 MSD 6/3/94 HPN:EEI



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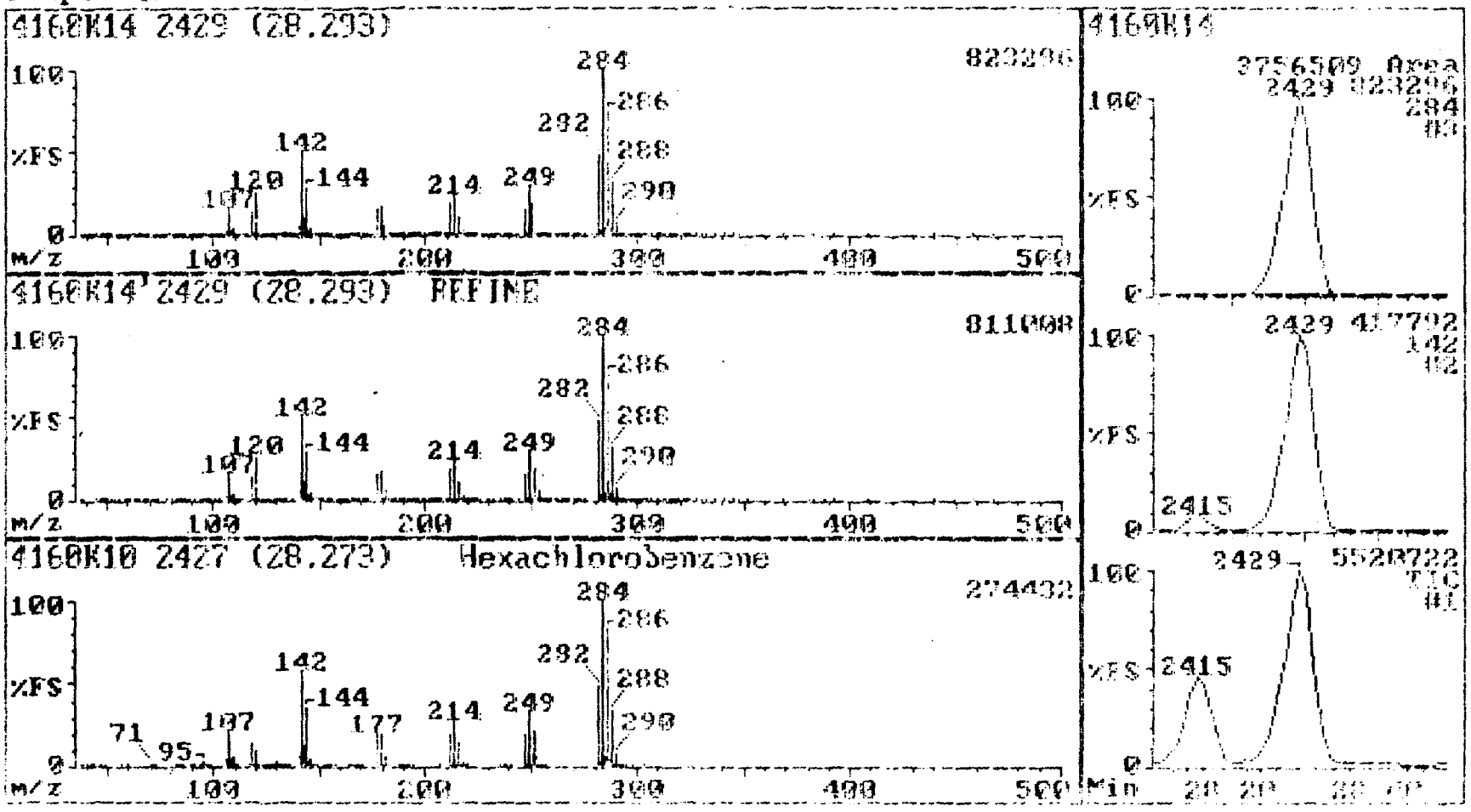
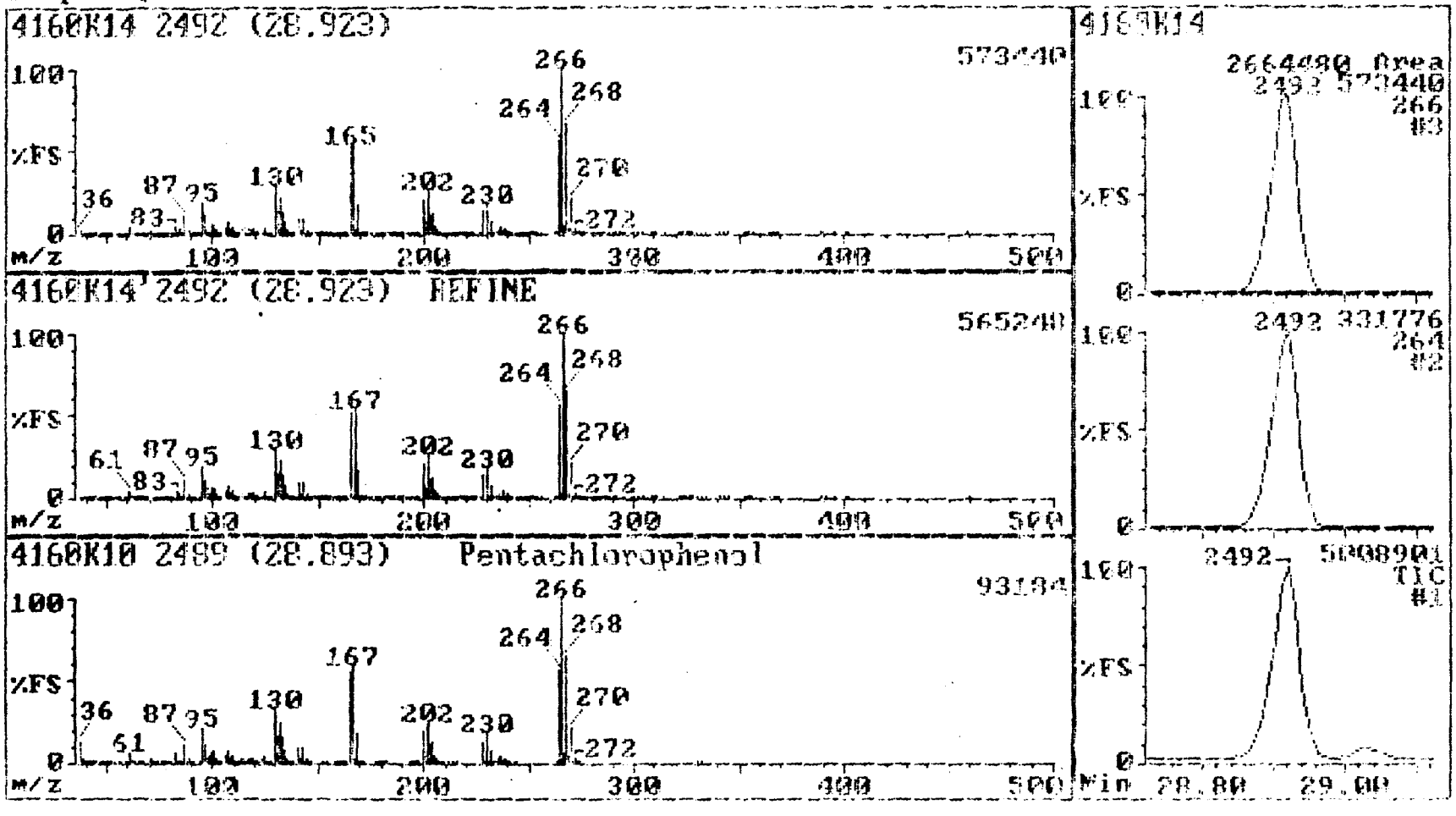
Sample:QD1 MSD 6/3/94 HPN:EEI



File:4160K14 06/09/94 18:17 Lab:TCT St Paul Instrument:HGTrio2C DPZ
Sample:QD1 MSD 6/8/94 HPM:EEI



1/26
6/10/94

QUAN DB : 4160K13 LAB-BASE QUAN 06/10/94 08:14

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.81	1.00	1081	0	94	96	1801427	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	10.95	0.74	695	1	96	97	4990598	bv	112	2-Fluorophenol	74.5	S
3	13.59	0.92	959	0	96	97	4104291	bv	99	Phenol-d5	49.8	S
4	7.19	0.49	319	2	93	99	5402352	bv	79	Pyridine	68.4	
5	14.87	1.00	1087	1	95	96	4653175	bv	146	1,4-Dichlorobenzene	65.7	CC
6	15.49	1.05	1149	1	93	96	6532580	bv	108	2-Methyphenol	95.6	
7	15.96	1.08	1198	2	96	96	12690990	vv	108	3 & 4-Methylphenol	175.6	
8	16.40	1.11	1240	1	96	97	1706288	bb	117	Hexachloroethane	57.8	
9	14.11	0.95	1011	1	95	96	7777072	bv	132	2-Chlorophenol-d4	122.9	S
10	15.29	1.03	1129	1	93	94	2287088	bv	152	1,2-Dichlorobenzene-d4	51.2	S
11	18.83	1.27	1483	0	92	95	6933859	vv	136	Naphthalene-d8	40.0	I
12	16.53	0.88	1252	1	88	96	5772608	vv	82	Nitrobenzene-d5	81.6	S
13	16.60	0.88	1260	2	95	96	7671302	vv	77	Nitrobenzene	107.5	
14	19.27	1.02	1527	0	91	96	1375613	bb	225	Hexachlorobutadiene	58.6	CC
15	24.62	1.31	2062	0	91	94	3756443	vv	164	Acenaphthene-d10	40.0	I
16	22.35	0.91	1835	1	90	96	7682558	bv	172	2-Fluorobiphenyl	65.1	S
17	27.24	1.11	2324	1	84	96	1761872	bv	330	2,4,6-Tribromophenol	169.8	S
18	22.06	0.90	1806	1	90	96	3582394	bv	196	2,4,6-Trichlorophenol	118.0	CC
19	22.17	0.90	1817	1	88	94	3766480	vv	196	2,4,5-Trichlorophenol	121.0	
20	25.22	1.02	2122	3	91	95	3671989	vv	165	2,4-Dinitrotoluene	123.6	
21	29.59	1.20	2559	0	86	92	6157625	vv	188	Phenanthrene-d10	40.0	I
22	28.29	0.96	2429	2	82	90	3297907	bv	284	Hexachlorobenzene	116.5	
23	28.91	0.98	2491	2	78	94	1983657	vb	266	Pentachlorophenol	252.2	CC
24	38.42	1.30	3445	0	79	85	2720307	bv	240	Chrysene-d12	40.0	I
25	34.85	0.91	3085	1	84	91	9010098	vb	244	Terphenyl-d14	100.3	S
26	43.49	1.13	3949	2	65	80	1176233	vv	264	Perylene-d12	40.0	I

Datafile : 4160K13

Internal Standard Area Summary

COMPOUND	LOWL MIN AREA	IS AREA	UPPL MAX AREA
1,4-Dichlorobenzene-d4	840128	1801427	3360512
Naphthalene-d8	3401550	6933859	13606200
Acenaphthene-d10	1703085	3756443	6812338
Phenanthrene-d10	2705354	6157625	10821414
Chrysene-d12	1303334	2720307	5213334
Perylene-d12	632283	1176233	2529132

Internal Standard Retention Time Summary

COMPOUND	LOWL RT	IS RT
1,4-Dichlorobenzene-d4	14.81	14.81
Naphthalene-d8	18.83	18.83
Acenaphthene-d10	24.62	24.62
Phenanthrene-d10	29.59	29.59
Chrysene-d12	38.45	38.45
Perylene-d12	43.47	43.49

Surrogate Recoveries

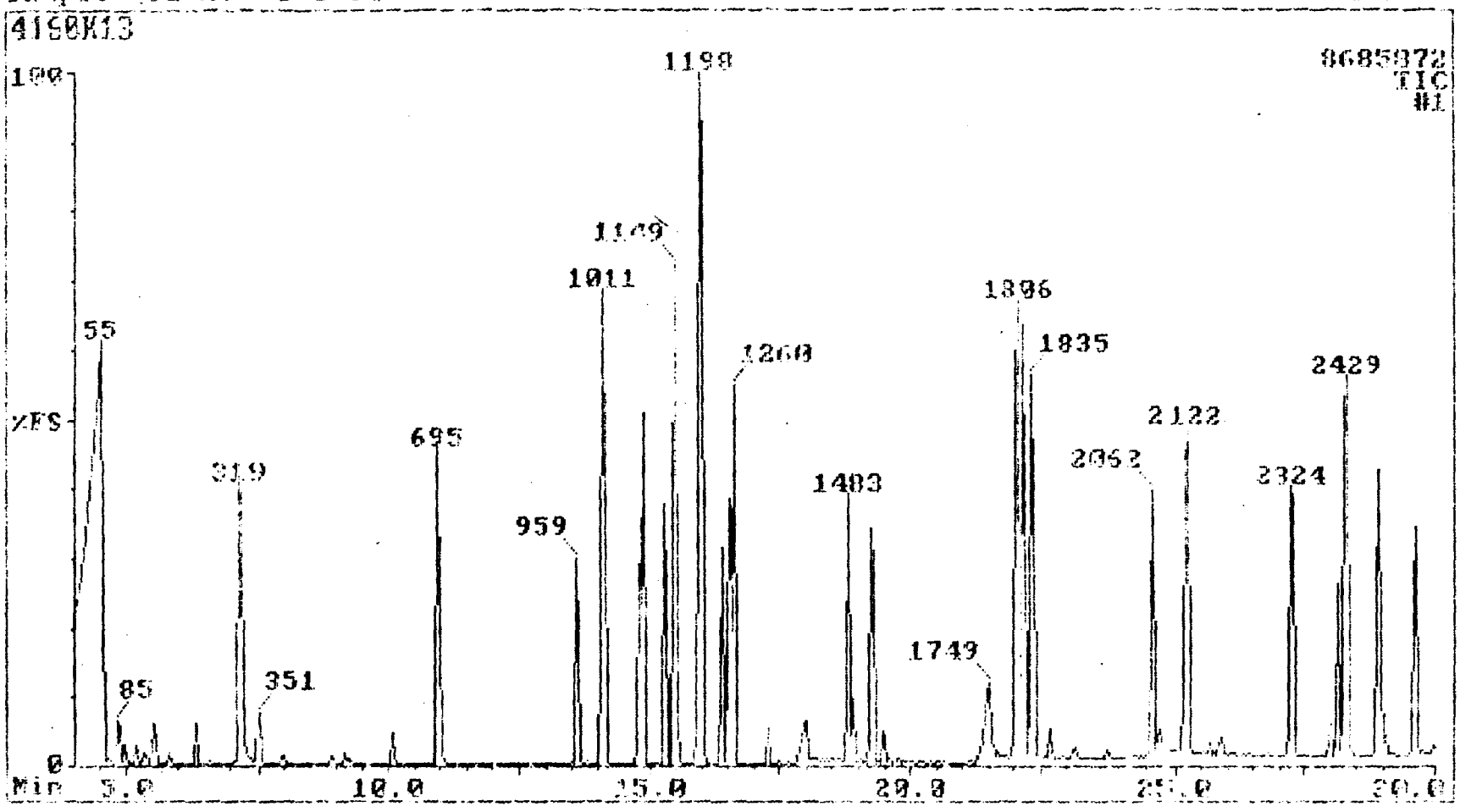
COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	74.5015	49.7	(25-121)	(21-110)	bv	4990598
Phenol-d5	49.7506	33.2	(24-113)	(10-110)	bv	4104291
2-Chlorophenol-d4	122.9027	81.9	(20-130)	(33-110)	bv	7777072
1,2-Dichlorobenzene-d4	51.2483	51.2	(20-130)	(16-110)	bv	2287088
Nitrobenzene-d5	81.6403	81.6	(23-120)	(35-114)	vv	5772606
2-Fluorobiphenyl	65.1066	65.1	(30-115)	(43-116)	bv	7682558
2,4,6-Tribromophenol	169.7712	113.2	(19-122)	(10-123)	bv	1761872
Terphenyl-d14	100.2755	100.3	(18-137)	(33-141)	vb	9010098

Interim Report LAB-BASE FIND 06/10/94 07:51

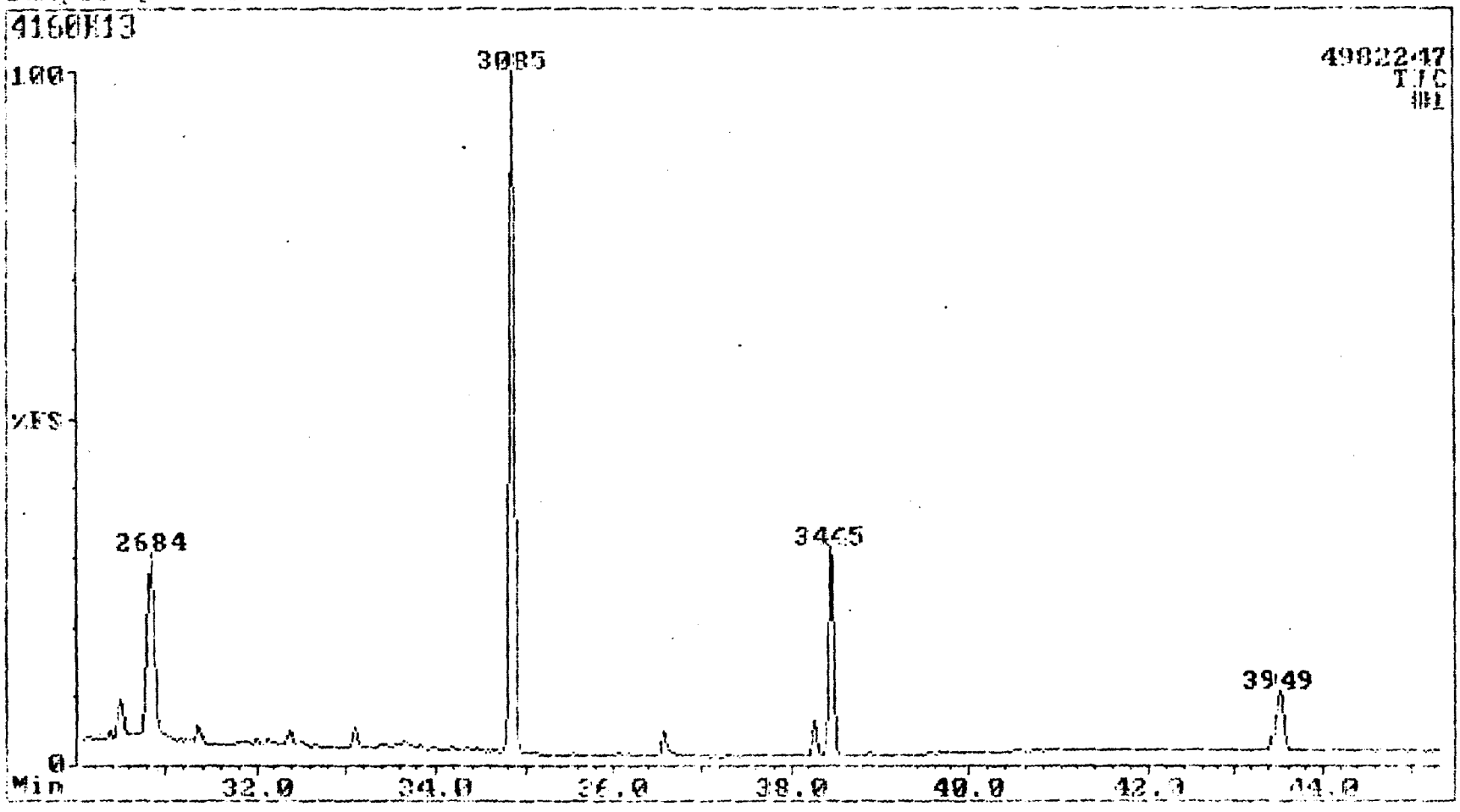
Raw Datafile : 4160K13 Quan DB : 4160K13
Find DB : TCLP8270 Scan DB : 4160K13

No.	Spectrum MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	94	96	0	1801427	bv	1081	1081	152	1,4-Dichlorobenzene-d4
	73	94	96	48	2287088	bv	1129			
2	100	96	97	1	4990598	bv	695	694	112	2-Fluorophenol
3	100	96	97	0	4104291	bv	959	959	99	Phenol-d5
4	100	98	99	2	5402352	bv	319	317	79	Pyridine
5	100	95	96	1	4853175	bv	1087	1086	146	1,4-Dichlorobenzene
6	100	93	96	1	6592580	bv	1149	1148	108	2-Methyphenol
7	100	96	96	2	12690930	vv	1198	1196	108	3 & 4-Methylphenol
8	100	96	97	1	1706288	bb	1240	1239	117	Hexachloroethane
9	100	95	96	1	7777072	bv	1011	1010	132	2-Chlorophenol-d4
10	100	93	94	1	2267088	bv	1129	1128	152	1,2-Dichlorobenzene-d4
11	100	92	95	0	6933839	vv	1483	1483	136	Naphthalene-d8
12	100	85	95	1	5772608	vv	1253	1252	82	Nitrobenzene-d5
13	100	95	96	2	7671302	vv	1260	1258	77	Nitrobenzene
14	100	91	96	0	1375613	bb	1527	1527	225	Hexachlorobutadiene
15	100	91	94	0	3756443	vv	2062	2062	164	Acenaphthene-d10
16	100	90	96	1	7682558	bv	1835	1834	172	2-Fluorobiphenyl
17	100	84	95	1	1761872	bv	2324	2323	330	2,4,6-Tribromophenol
18	100	90	96	1	3582394	bv	1806	1805	196	2,4,6-Trichlorophenol
19	100	85	94	1	3766480	vv	1617	1616	196	2,4,5-Trichlorophenol
20	98	91	95	3	3671989	vv	2122	2119	165	2,4-Dinitrotoluene
21	100	86	92	0	6157625	vv	2559	2559	188	Phenanthrene-d10
22	97	83	90	2	3297907	bv	2429	2427	284	Hexachlorobenzene
23	96	78	94	2	1983657	vb	2491	2489	266	Pentachlorophenol
24	100	79	85	0	2720307	bv	3445	3445	240	Chrysene-d12
25	100	84	91	1	9010098	vb	3085	3084	244	Terphenyl-d14
26	81	65	80	2	1176233	vv	3949	3947.	264	Perylene-d12

File:4160K13 06/30/91 17:21 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:QD1 MS 6/8/91 HPN:EEI



File:4160K13 06/09/94 17:21 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:QD1 MS 6/8/94 HPN:EEI



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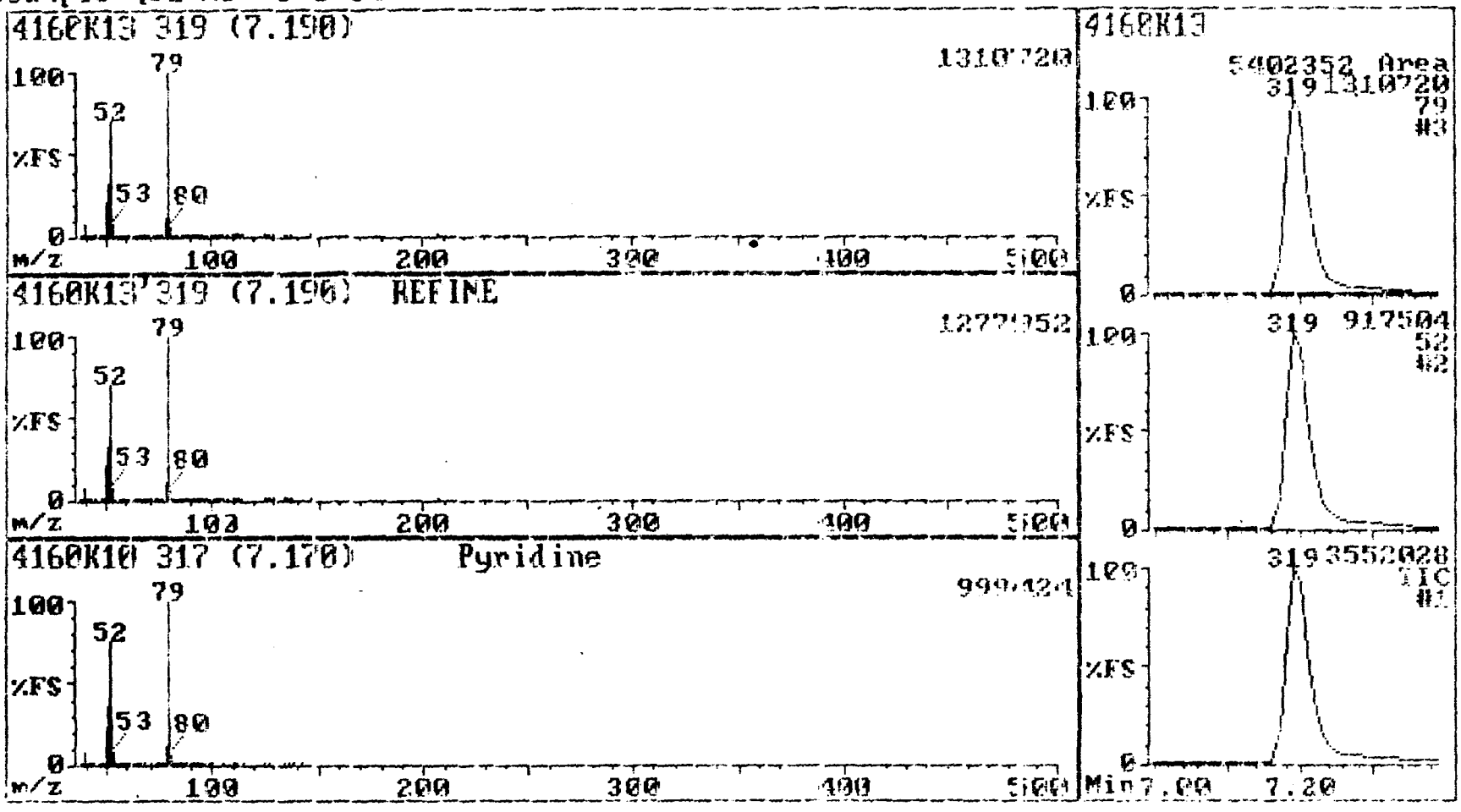
Sample:QD1 MS 6/8/94 HPN:EEI



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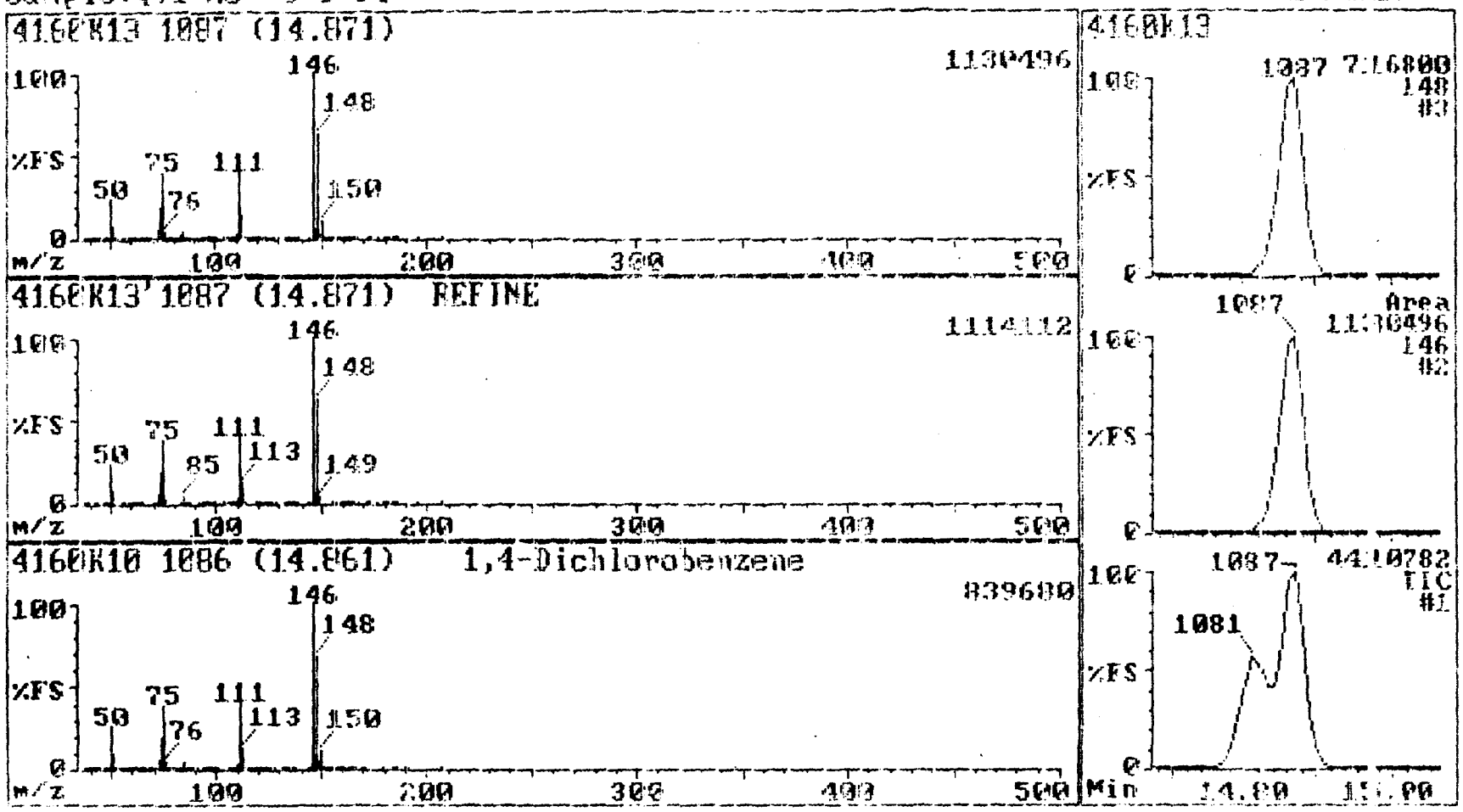
Sample:QD1 MS 6/8/94 HPN:E EI



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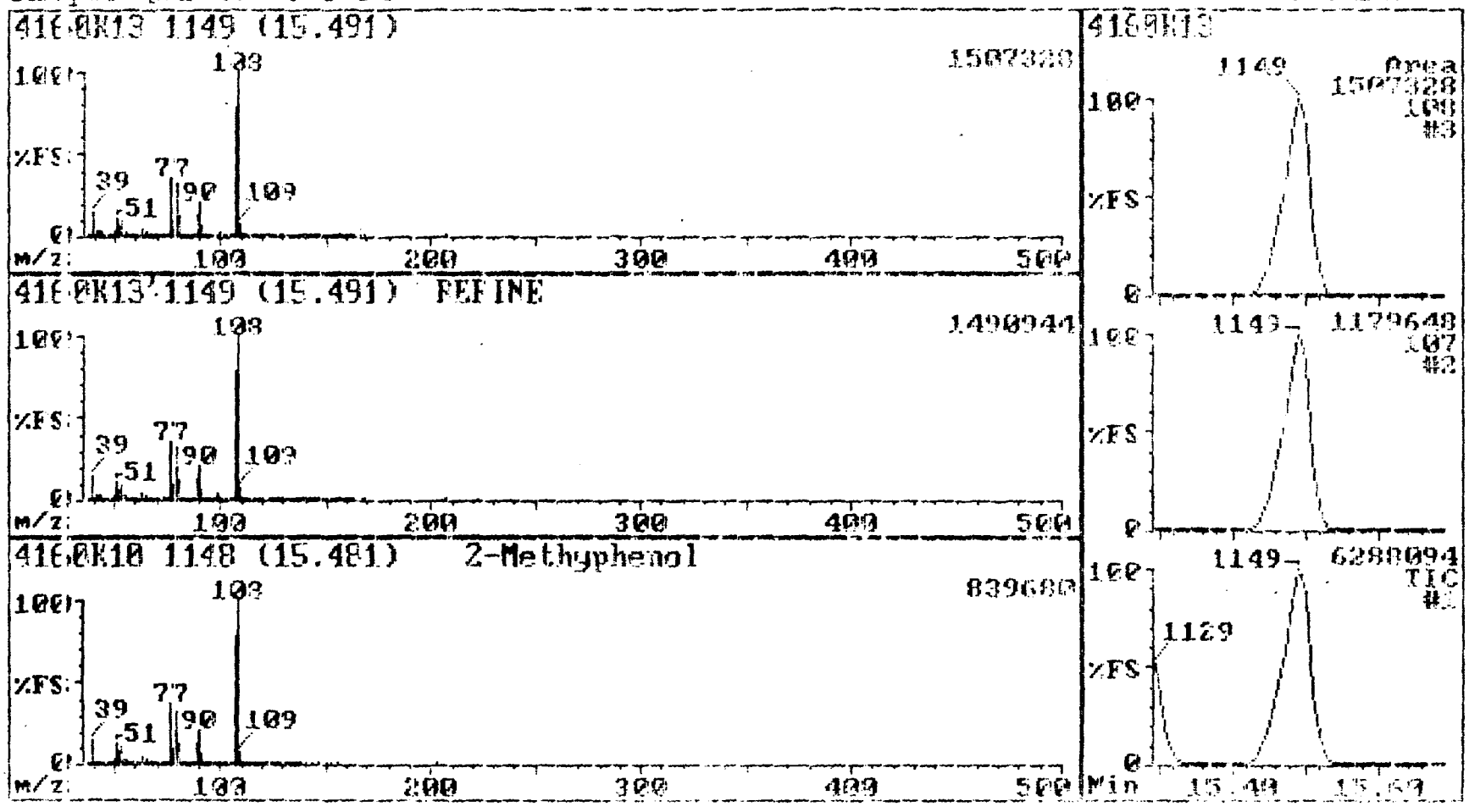
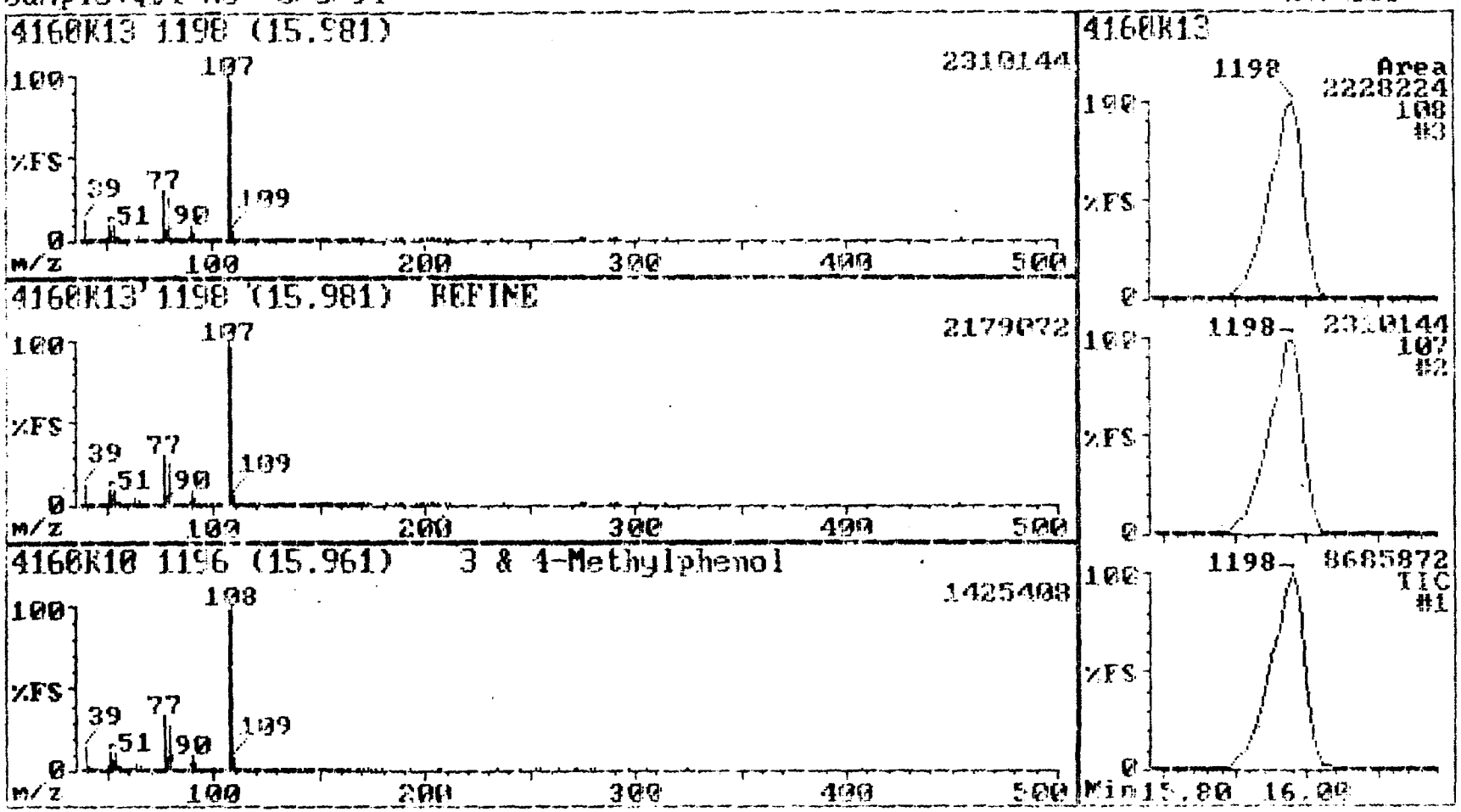
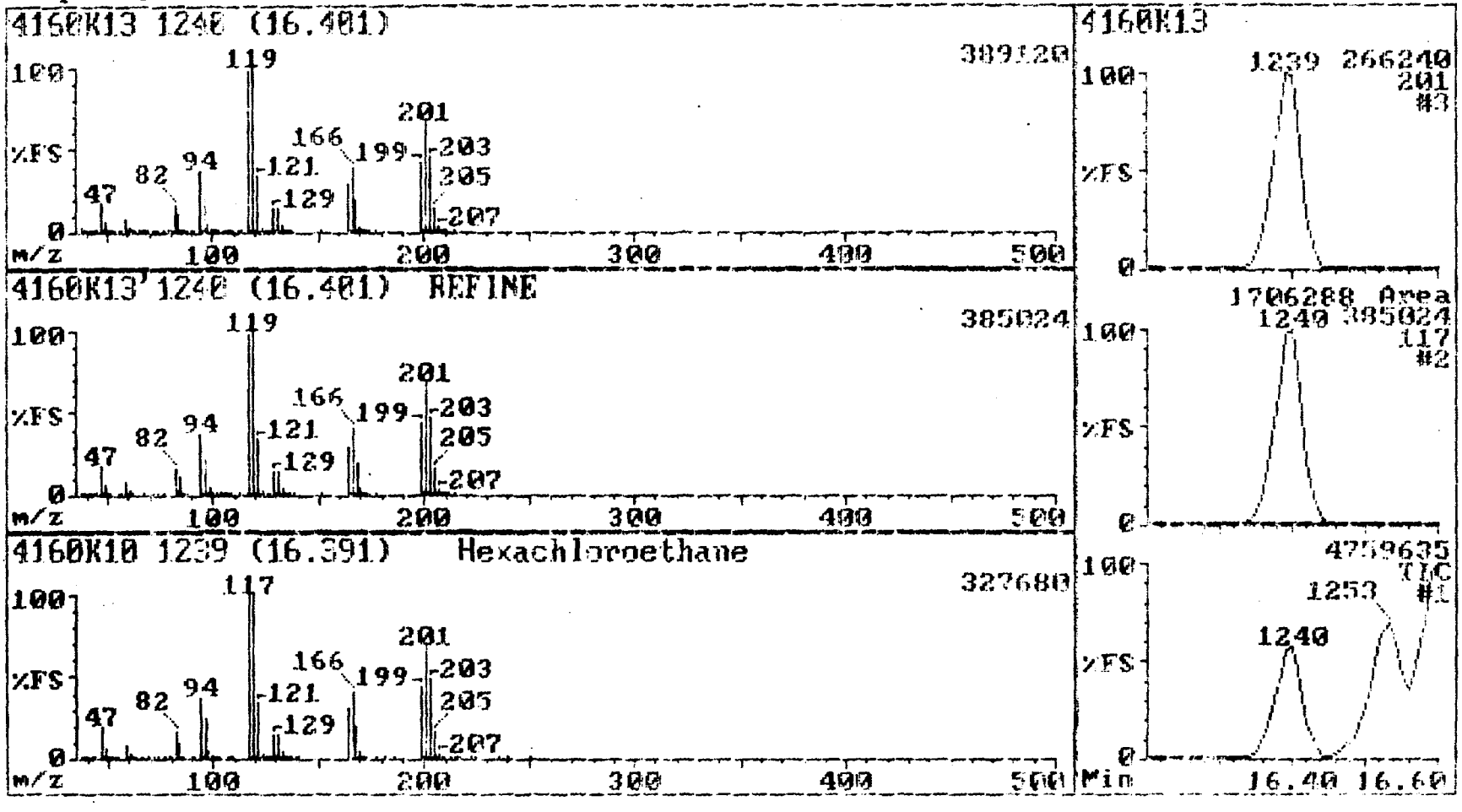
Sample:QD1 MS 6/8/94 HPN:EEI



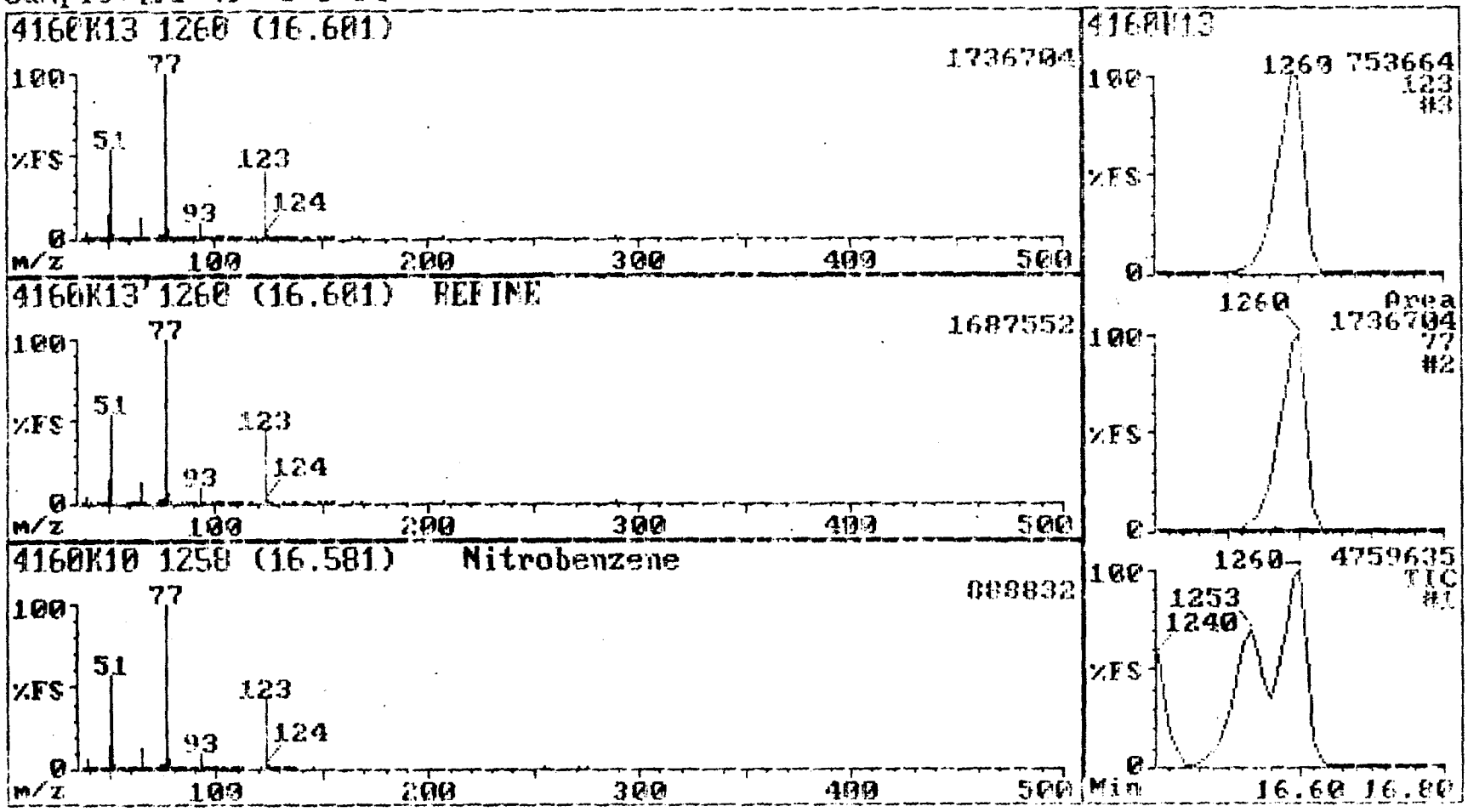
File:4160K13 06/09/94 17:21 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:QD1 MS 6/8/94 HPN:EEI



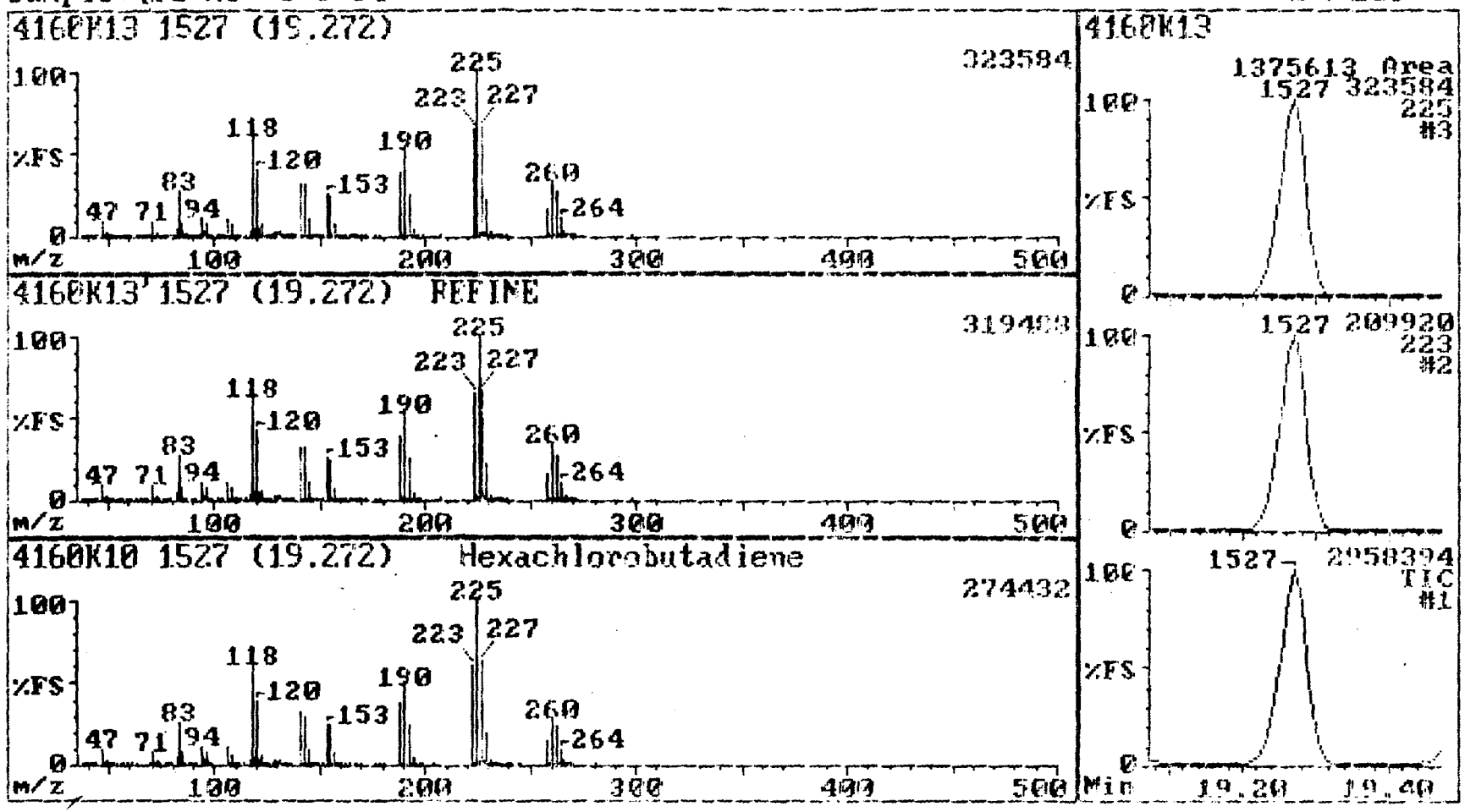
File:4160K13 06/09/94 17:21 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:QD1 MS 6/3/94 HPN:EEI



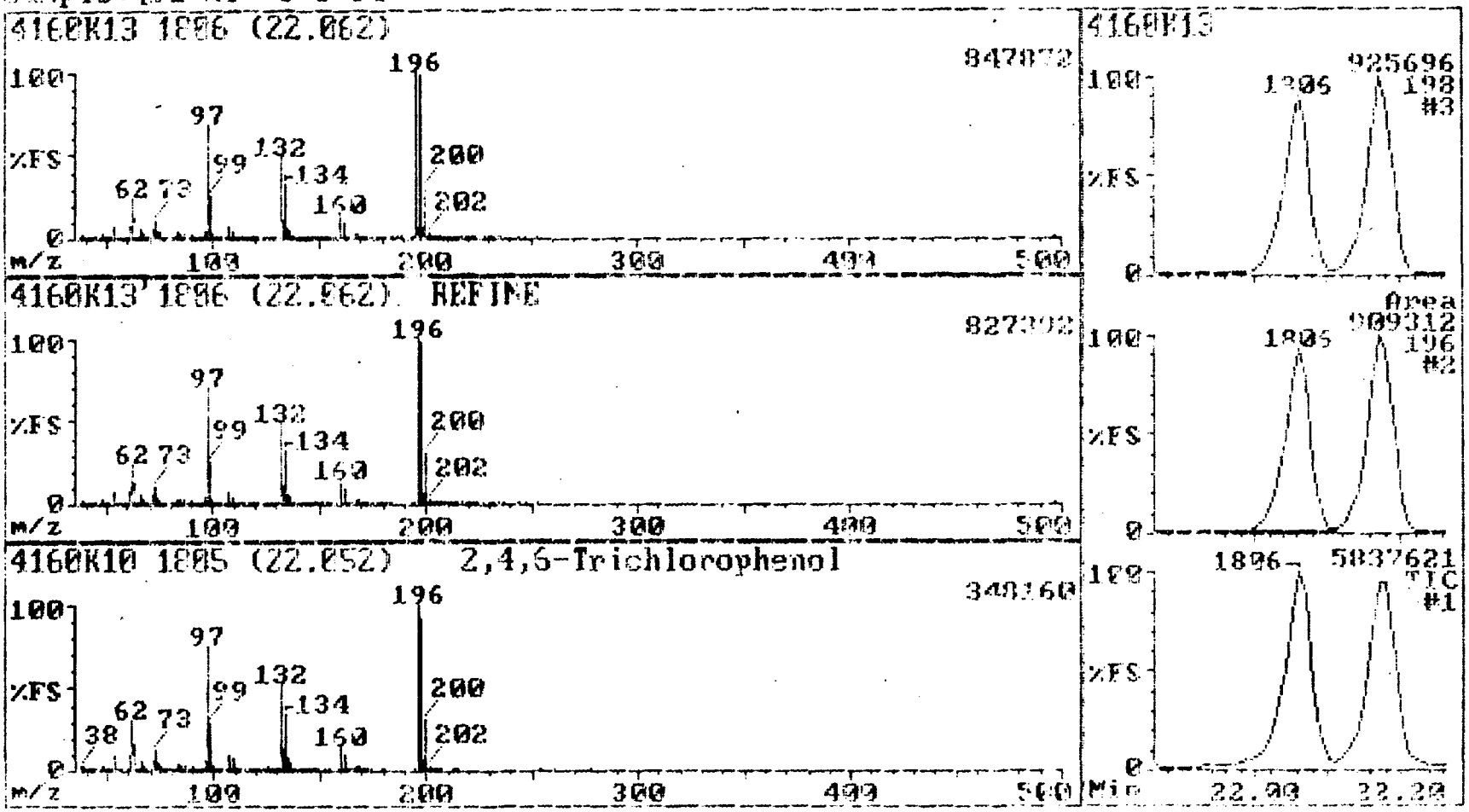
File:4160K13 06/09/94 17:21 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:QD1 MS 6/8/94 HPN:EEI



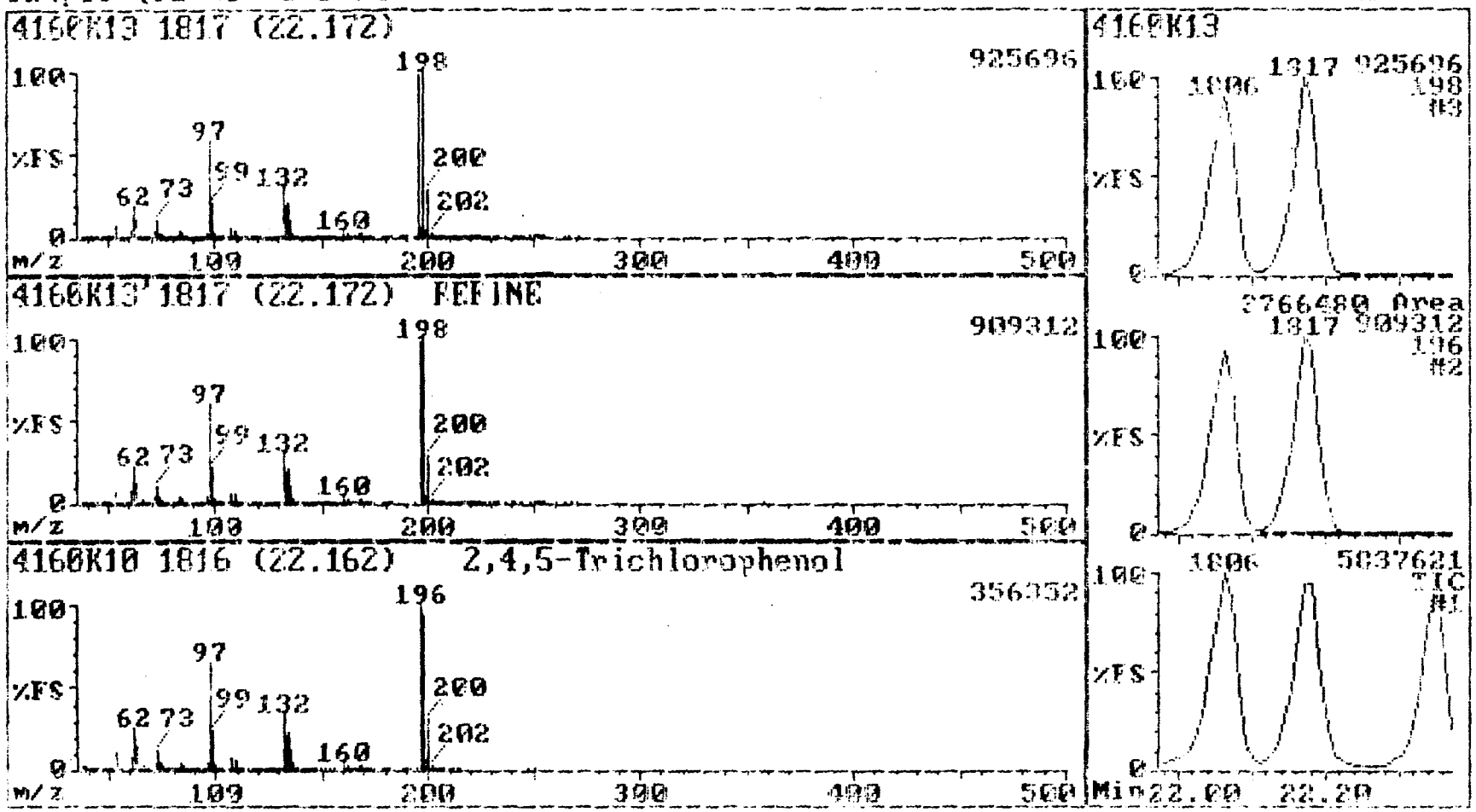
File:4160K13 06/09/94 17:21 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:QD1 MS 6/8/94 HPN:EEI



File:4160K13 06/09/94 17:21 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:QD1 MS 6/8/94 HPN:EEI



File:4160K13 06/09/94 17:21 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:QD1 MS 6/8/94 HPN:EEI



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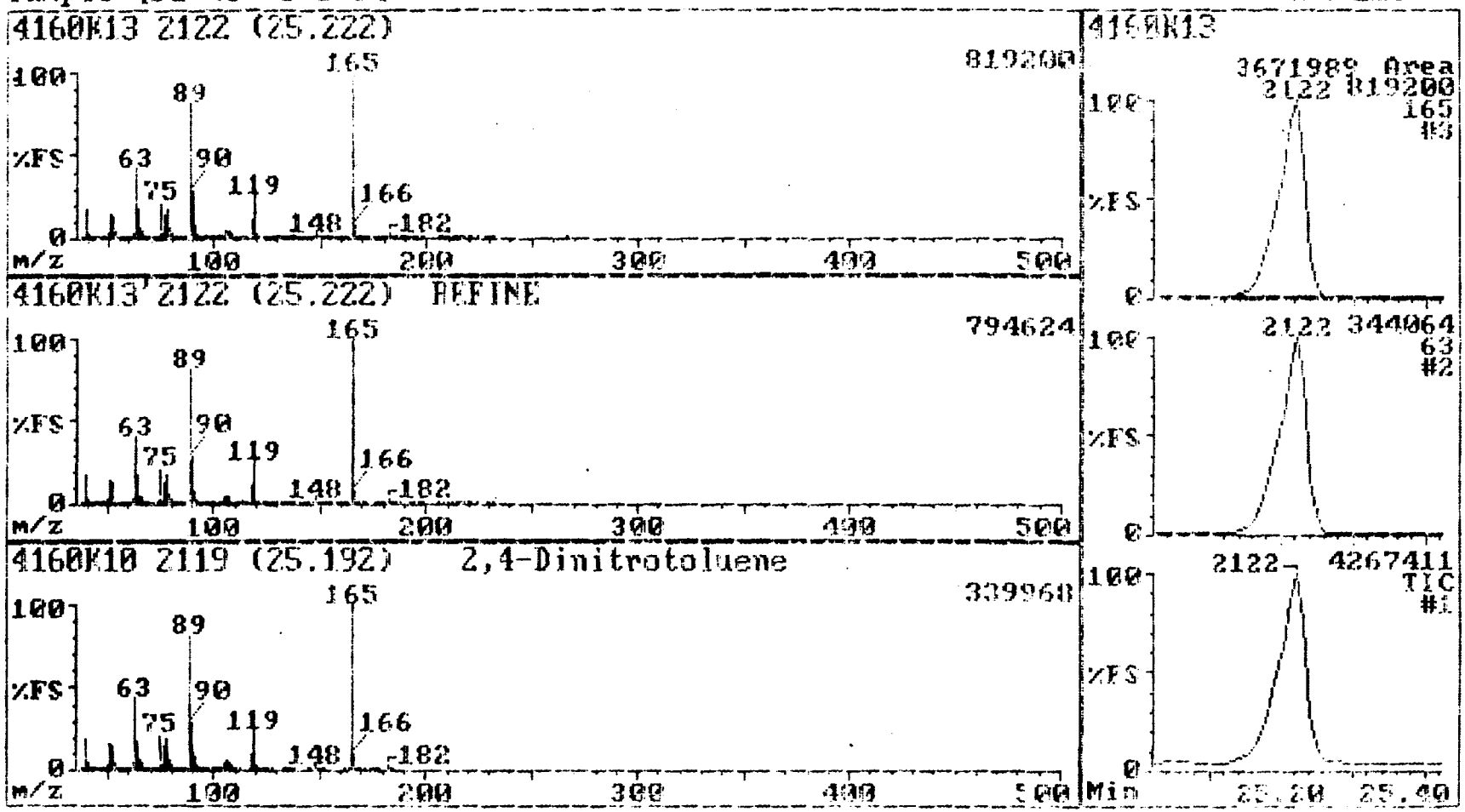
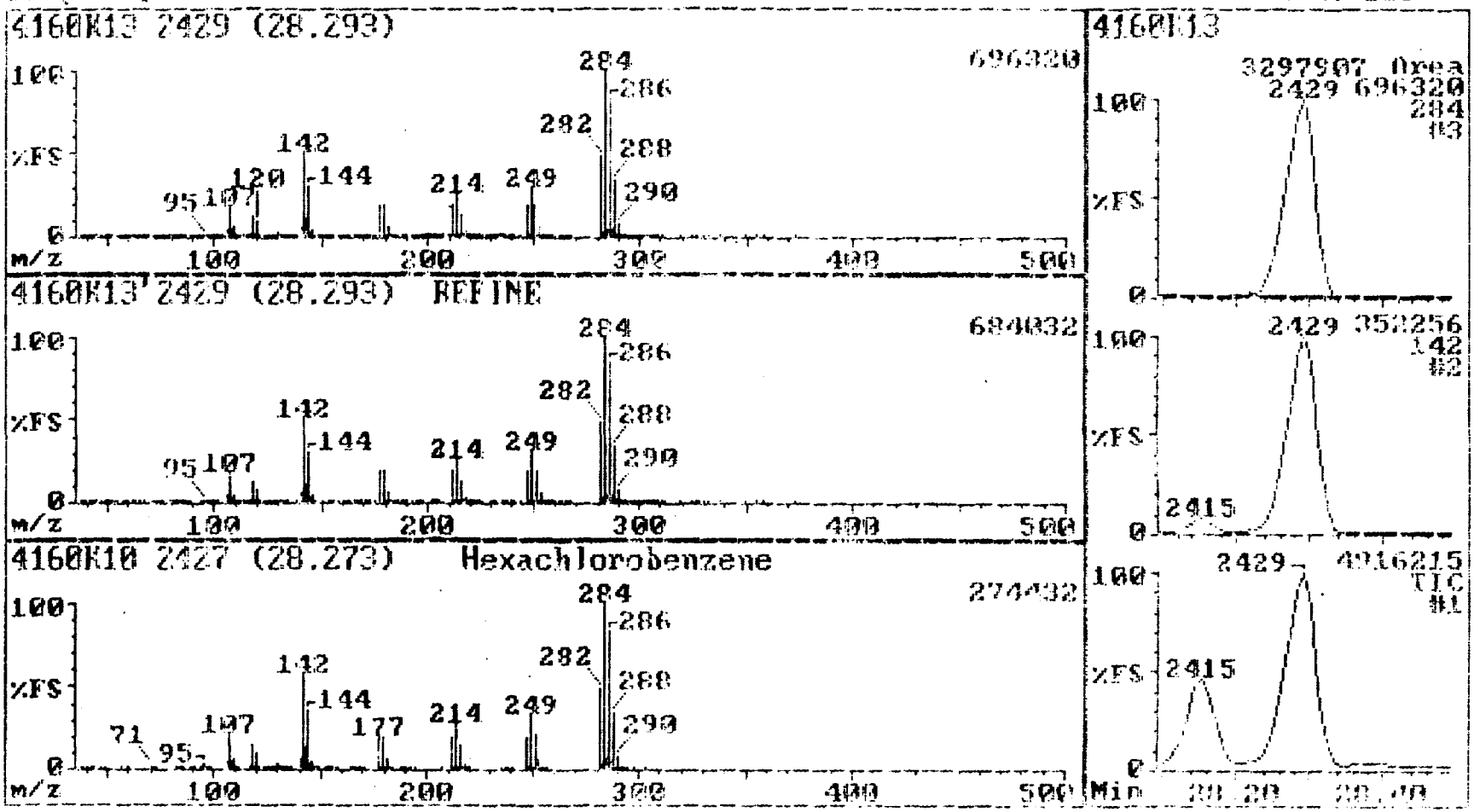
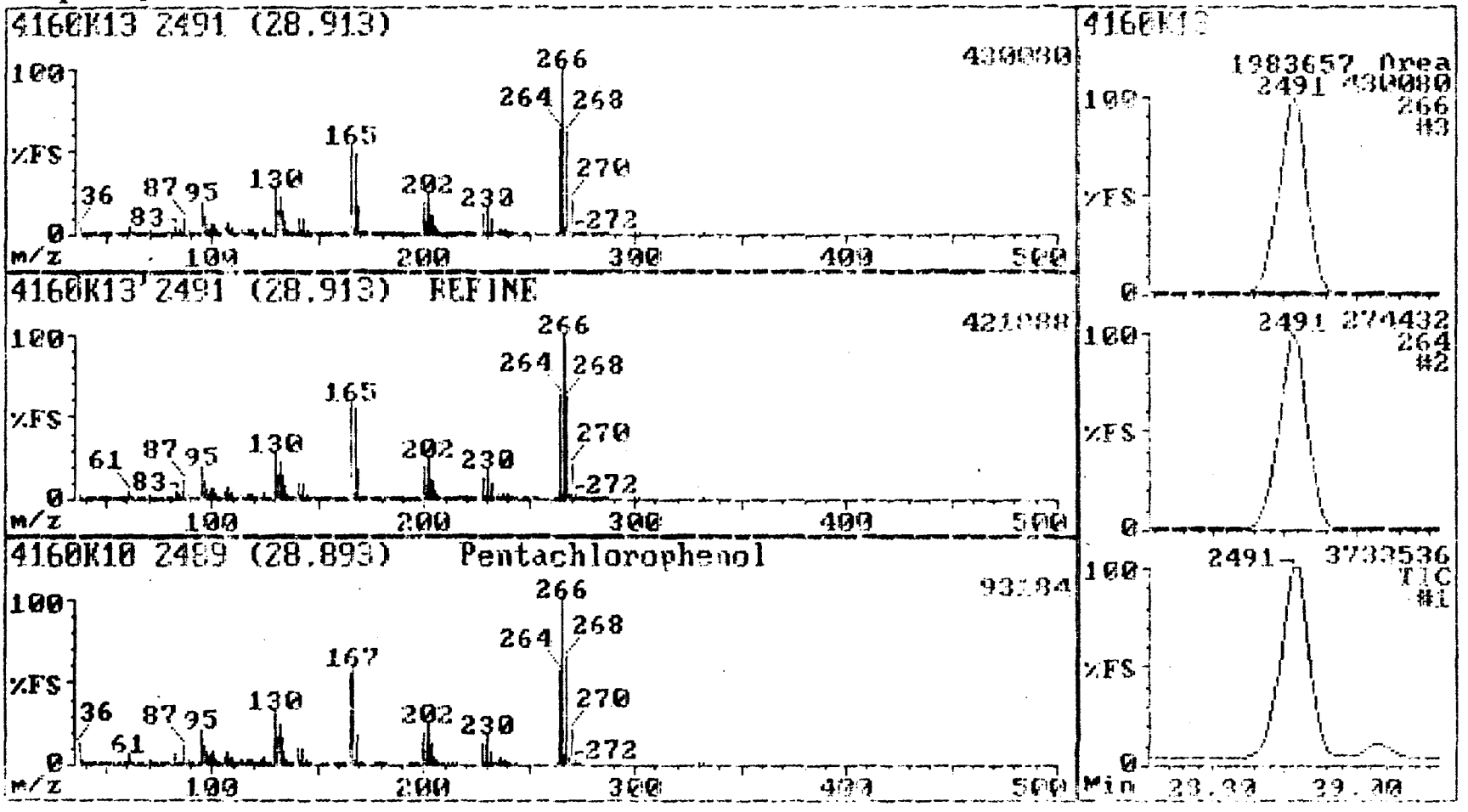
Sample:QD1 MS 6/8/94 HPN:EEI



File:4160K13 06/09/94 17:21 Lab:TCT St Paul Instrument:HGTrio2C DPZ
Sample:QD1 MS 6/8/94 HPN:EEI



File:4160K13 06/09/94 17:21 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:QD1 MS 6/8/94 HPN:EEI



QUAN DB : 4160R11 LAB-BASE QUAN 06/10/94 08:13

No	RT	RRT	Scan	Del	FUR	REV	Area	P.	QM	Name	Conc	U.
1	14.81	1.00	1081	0	95	97	1608662	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	10.94	0.74	694	0	95	96	4920851	b?	112	2-Fluorophenol	82.3	S
3	13.59	0.92	959	0	97	98	3933523	bv	99	Phenol-d5	53.4	S
4	7.19	0.49	319	2	98	99	5207808	b?	79	Pyridine	73.8	
5	14.86	1.00	1025	0	96	97	4085698	bv	146	1,4-Dichlorobenzene	64.6	CC
6	15.48	1.05	1148	0	97	97	6031104	b?	108	2-Methyphenol	98.0	
7	15.97	1.08	1197	1	96	97	11898640	bv	108	3 & 4-Methylphenol	184.4	
8	16.39	1.11	1239	0	97	98	1505229	bb	117	Hexachloroethane	57.1	
9	14.11	0.95	1011	1	96	97	7099134	bv	132	2-Chlorophenol-d4	125.6	S
10	15.28	1.03	1128	0	93	95	2182121	bv	152	1,2-Dichlorobenzene-d4	54.8	S
11	18.83	1.27	1483	0	91	95	6128458	bv	136	Naphthalene-d8	40.0	I
12	16.53	0.88	1253	1	90	96	5310547	vv	82	Nitrobenzene-d5	85.0	S
13	16.59	0.88	1259	1	94	95	7462024	vv	77	Nitrobenzene	118.3	
14	19.27	1.02	1527	0	91	95	1303344	bv	225	Hexachlorobutadiene	62.8	CC
15	24.62	1.31	2062	0	90	91	3530604	bv	164	Acenaphthene-d10	40.0	I
16	22.34	0.91	1834	0	92	96	6553185	bv	172	2-Fluorobiphenyl	59.1	S
17	27.23	1.11	2323	0	88	94	1260330	bv	330	2,4,6-Tribromophenol	129.2	S
18	22.05	0.90	1805	0	91	96	3072064	bv	196	2,4,6-Trichlorophenol	107.6	CC
19	22.16	0.90	1816	0	90	96	3201712	vv	196	2,4,5-Trichlorophenol	109.4	
20	25.21	1.02	2121	2	91	95	3069197	bv	165	2,4-Dinitrotoluene	109.9	
21	29.59	1.20	2559	0	87	90	4989327	bv	188	Phenanthrene-d10	40.0	I
22	28.28	0.96	2428	1	82	87	2949865	bv	284	Hexachlorobenzene	126.6	
23	28.90	0.98	2490	1	79	92	1270577	vv	266	Pentachlorophenol	183.6	CC
24	38.44	1.30	3444	-1	75	80	2101894	vv	240	Chrysene-d12	40.0	I
25	34.85	0.91	3085	2	84	89	7053495	bv	244	Terphenyl-d14	101.6	S
26	43.48	1.13	3948	2	67	82	986635	bv	264	Perylene-d12	40.0	I

DB 6/10/94

✓ gnm 6/10/94

Datafile : 4160K11

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	840128	1608882	3360512
Naphthalene-d8	3401550	6128458	13606200
Acenaphthene-d10	1703025	3530604	6812338
Phenanthrene-d10	2705354	4969327	10821414
Chrysene-d12	1303334	2101894	5213334
Perylene-d12	632263	986635	2529132

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	14.81	14.81
Naphthalene-d8	18.83	18.83
Acenaphthene-d10	24.62	24.62
Phenanthrene-d10	29.59	29.59
Chrysene-d12	38.45	38.44
Perylene-d12	43.47	43.48

Surrogate Recoveries

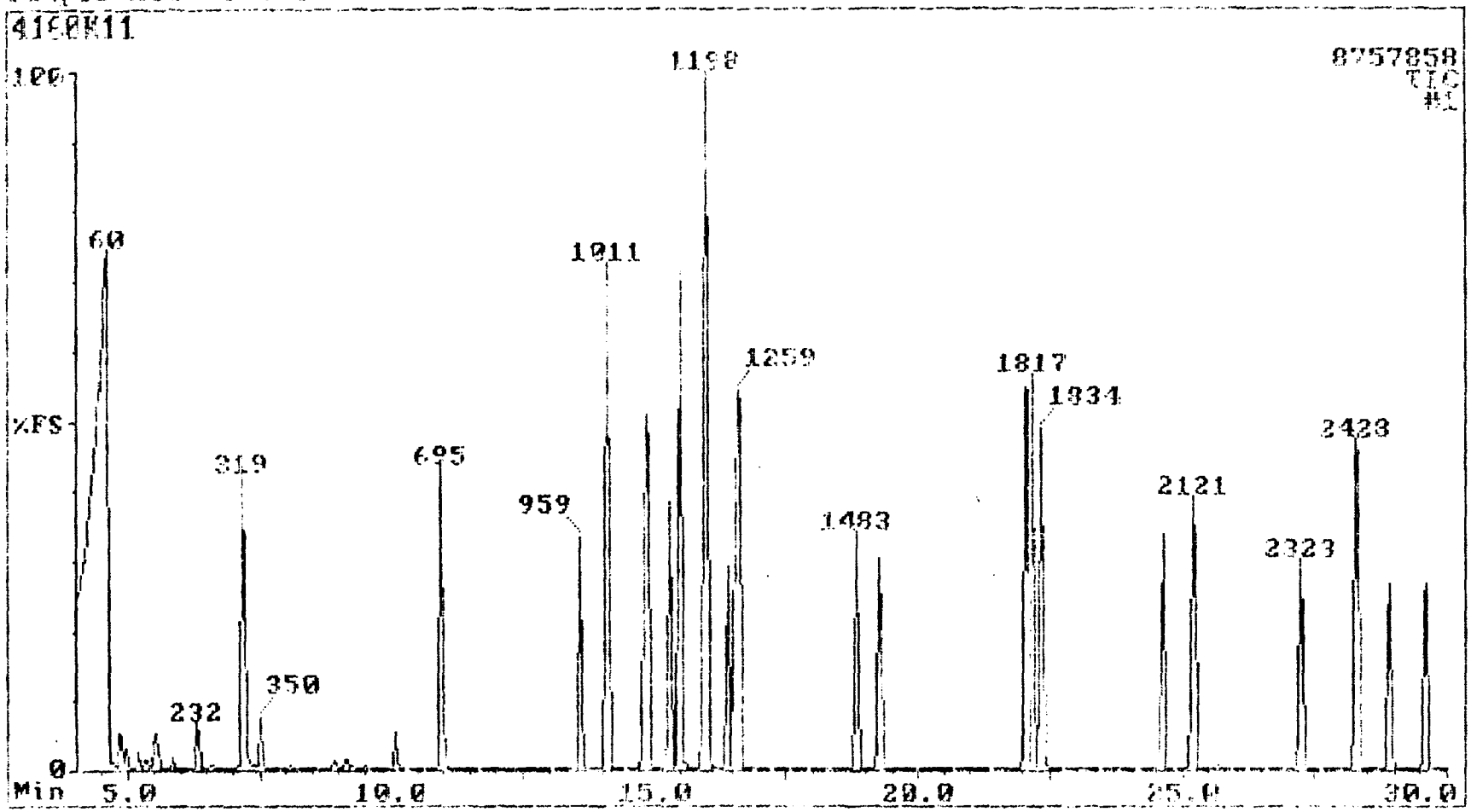
COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	82.2620	54.8	(25-121)	(21-110)	b?	4920851
Phenol-d5	53.3935	35.6	(24-113)	(10-110)	bv	3933523
2-Chlorophenol-d4	125.6311	83.8	(20-130)	(33-110)	bv	7099134
1,2-Dichlorobenzene-d4	54.7548	54.8	(20-130)	(16-110)	bv	2182121
Nitrobenzene-d5	84.9759	85.0	(23-120)	(35-114)	vv	5310547
2-Fluorobiphenyl	59.0880	59.1	(30-115)	(43-116)	bv	6553185
2,4,6-Tribromophenol	129.2117	86.1	(19-122)	(10-123)	bv	1260330
Terphenyl-d14	101.5961	101.6	(18-137)	(33-141)	bv	7053495

Interim Report LAB-BASE FIND 08/10/94 07:50

Raw Datafile : 4160R11 Quan DB : 4160R11
Find DB : TCLP8270 Scan DB : 4160R11

No.	Spectrum Scan MAX	FOR	REV	Diff	Peak Area	Flgs	Scan Found	Frec	QM	Compound Name
1	100	95	97	0	1608882	bv	1081	1081	152	1,4-Dichlorobenzene-d4
	74	94	96	47	2182121	bv	1126			
2	100	95	98	0	4920851	bv	694	694	112	2-Fluorophenol
3	100	97	98	0	3933523	bv	955	955	99	Phenol-d5
4	100	92	95	2	5217808	bv	319	317	79	Pyridine
5	100	96	97	0	4085698	bv	1086	1086	146	1,4-Dichlorobenzene
6	100	97	97	0	6031104	bv	1148	1148	108	2-Methylphenol
7	100	96	97	1	11896640	bv	1197	1196	108	3 & 4-Methylphenol
8	100	97	98	0	1505239	bb	1239	1239	117	Hexachloroethane
9	100	96	97	1	7099134	bv	1011	1010	132	2-Chlorophenol-d4
10	100	93	95	0	2182121	bv	1126	1128	152	1,2-Dichlorobenzene-d4
11	100	91	95	0	6128458	bv	1483	1483	136	Naphthalene-d8
12	100	90	96	1	5310547	vv	1253	1252	82	Nitrobenzene-d5
13	100	94	95	1	7462024	vv	1259	1258	77	Nitrobenzene
14	100	91	95	0	1303344	bv	1527	1527	225	Hexachlorobutadiene
15	100	90	91	0	3331604	bv	2062	2062	164	Acenaphthene-d10
16	100	92	96	0	6553185	bv	1834	1834	172	2-Fluorobiphenyl
17	100	86	94	0	1260330	bv	2323	2323	330	2,4,6-Tribromophenol
18	100	91	95	0	3072064	bv*	1805	1805	196	2,4,6-Trichlorophenol
19	100	90	96	0	3201712	vv	1816	1816	196	2,4,5-Trichlorophenol
20	100	91	95	2	3069197	bv	2121	2119	165	2,4-Dinitrotoluene
21	100	87	90	0	4989327	bv	2559	2559	188	Phenanthrene-d10
22	100	82	87	1	2943865	bv	2428	2427	284	Hexachlorobenzene
23	100	79	92	1	1270577	vv	2490	2489	266	Pentachlorophenol
24	92	75	80	-1	2101834	vv	3444	3445	240	Chrysene-d12
25	97	84	89	2	7053495	bv	3085	3083	244	Terphenyl-d14
26	83	67	82	2	986635	bv	3948	3946	264	Perylene-d12

File:4163R11 06/03/94 15:29 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCS 6/3/94 HPN:



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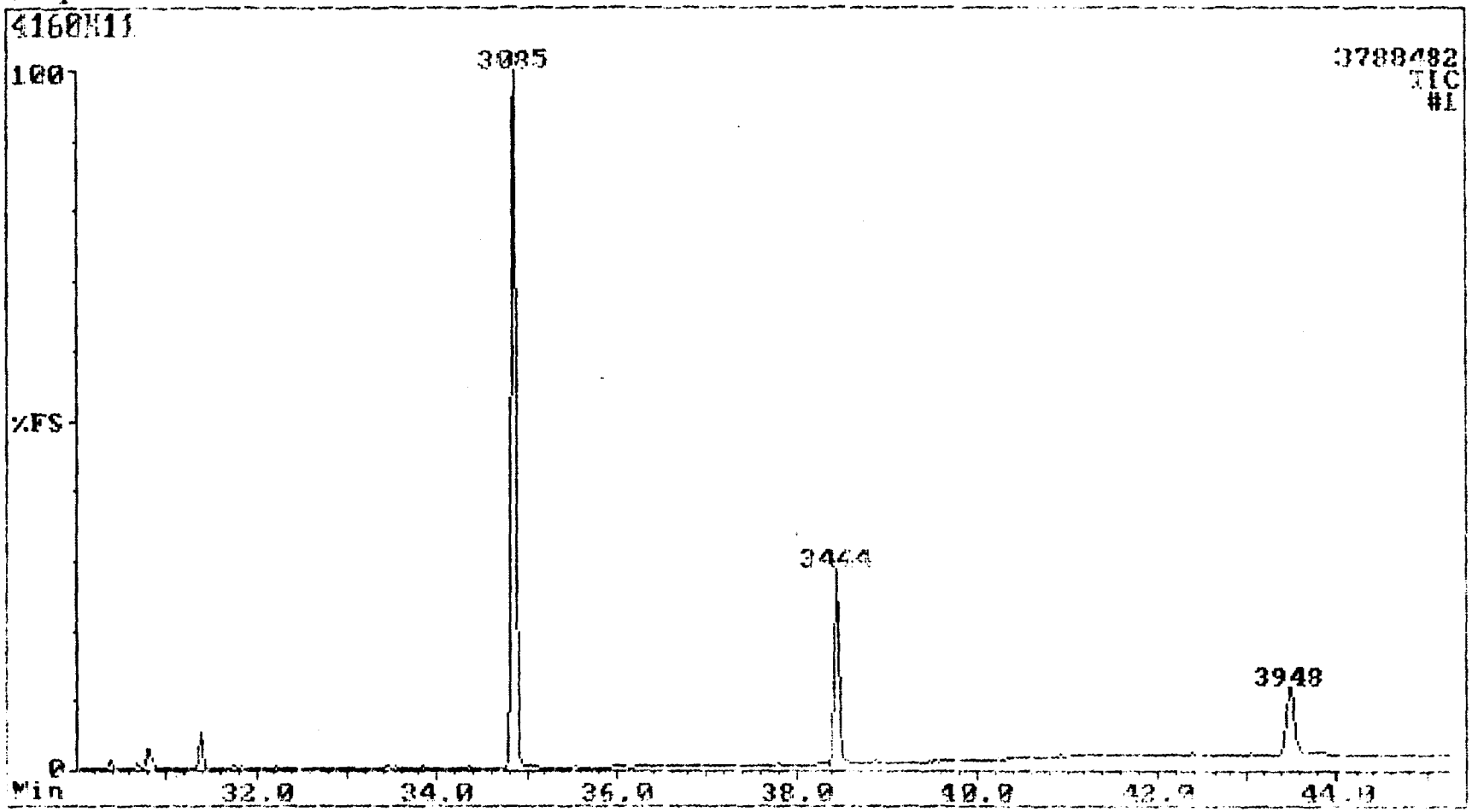
Sample:LCS 6/8/94 HPN:



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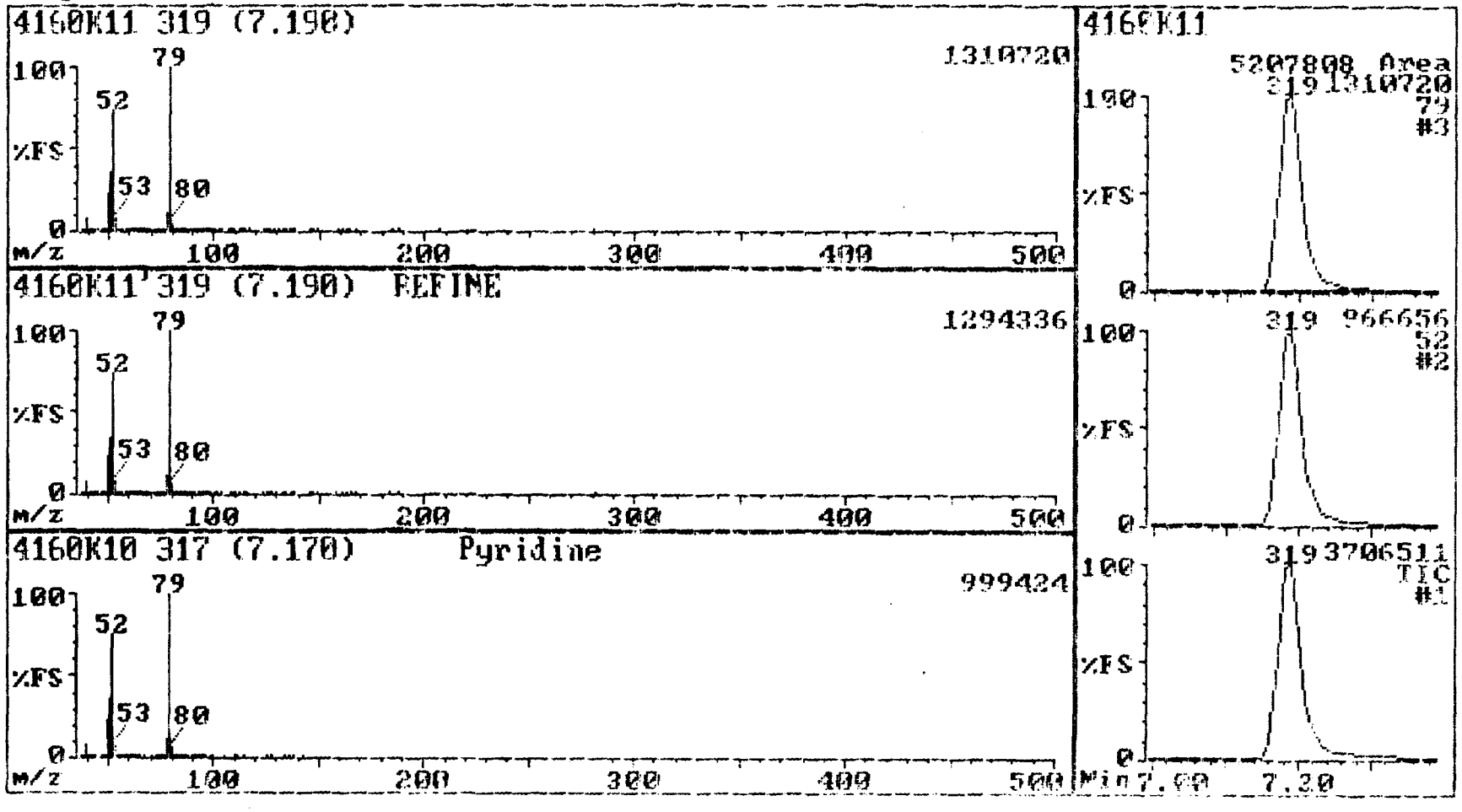
Sample:LCS 6/8/94 HPM:



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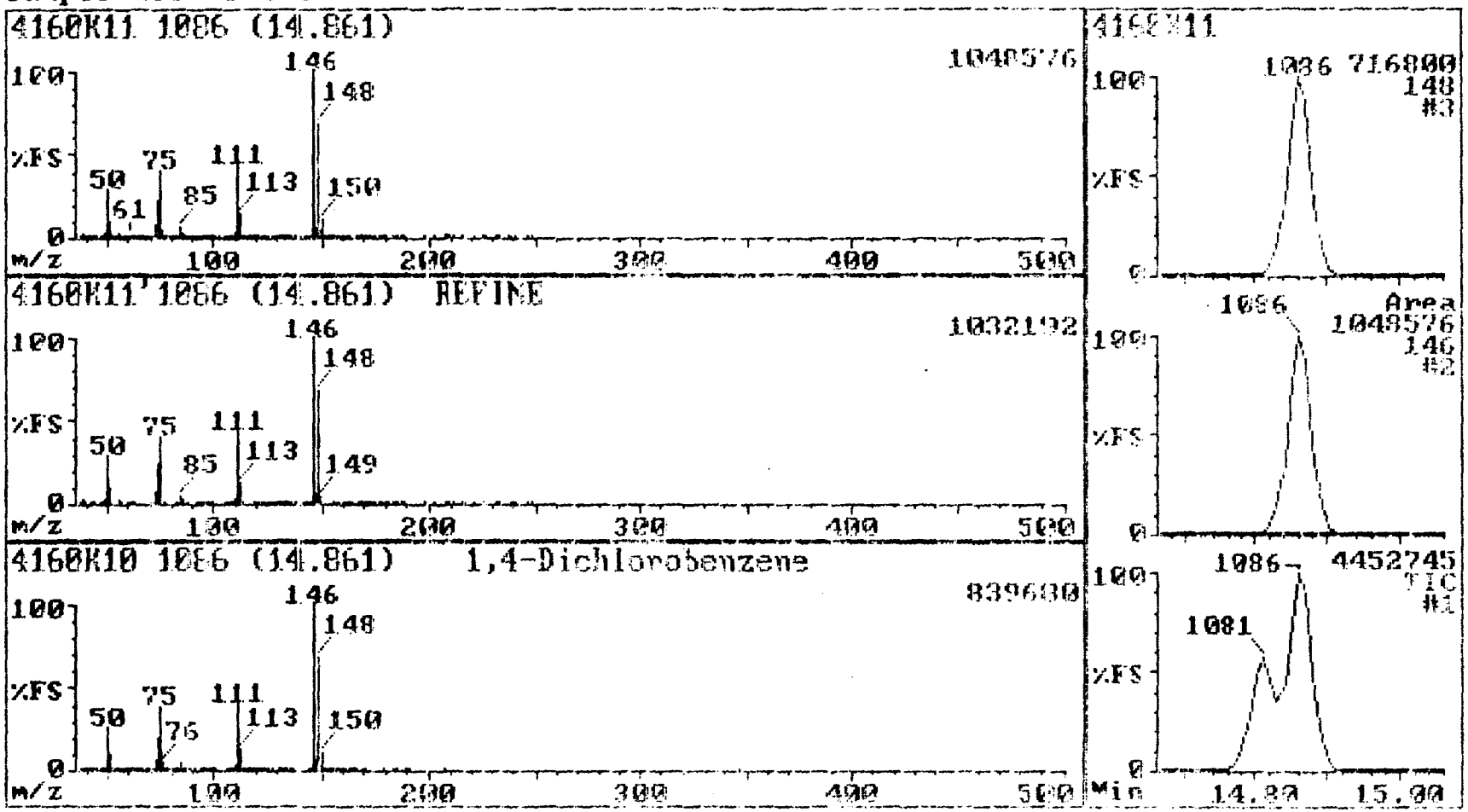
Sample:LCS 5/3/94 HPN:



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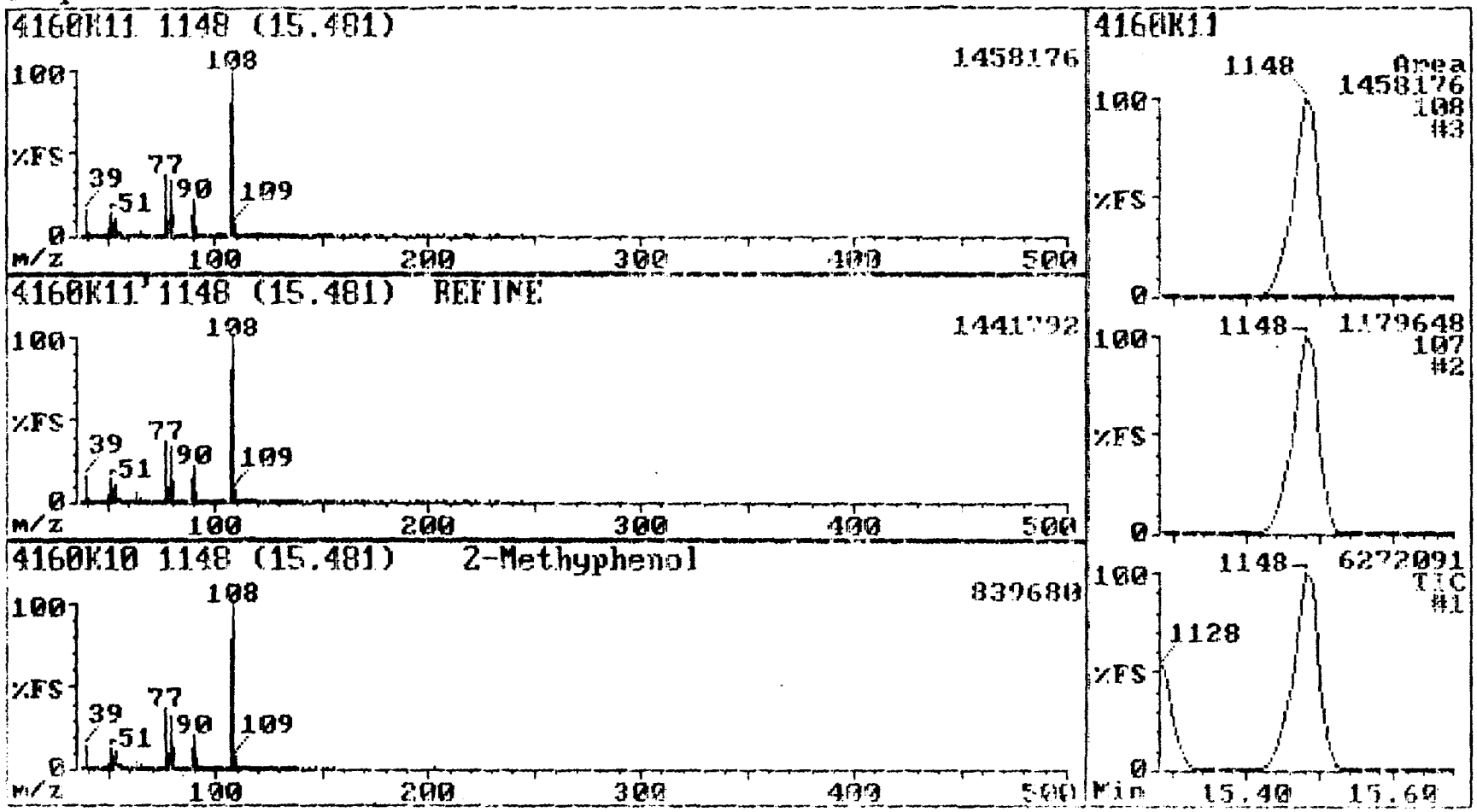
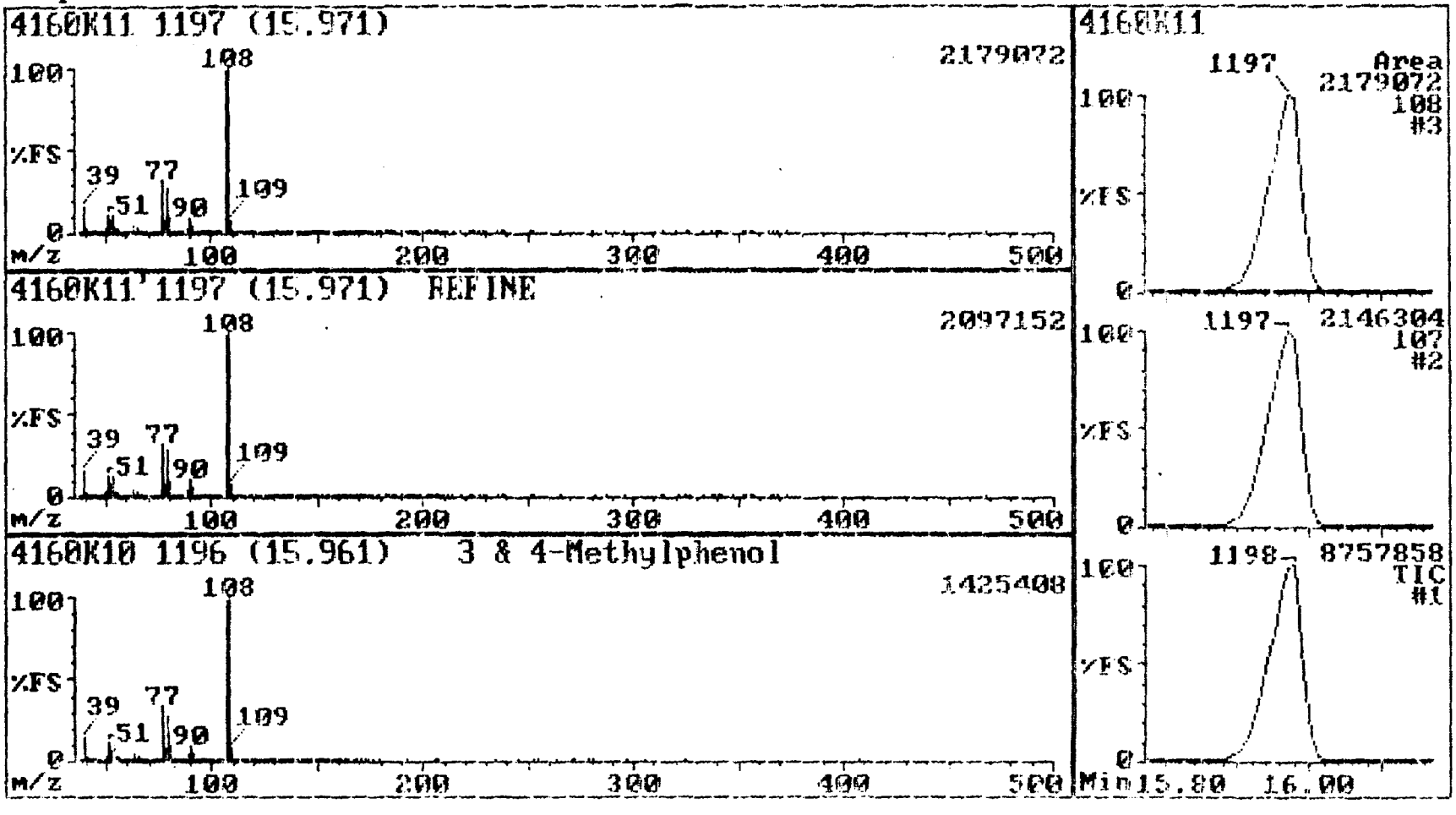
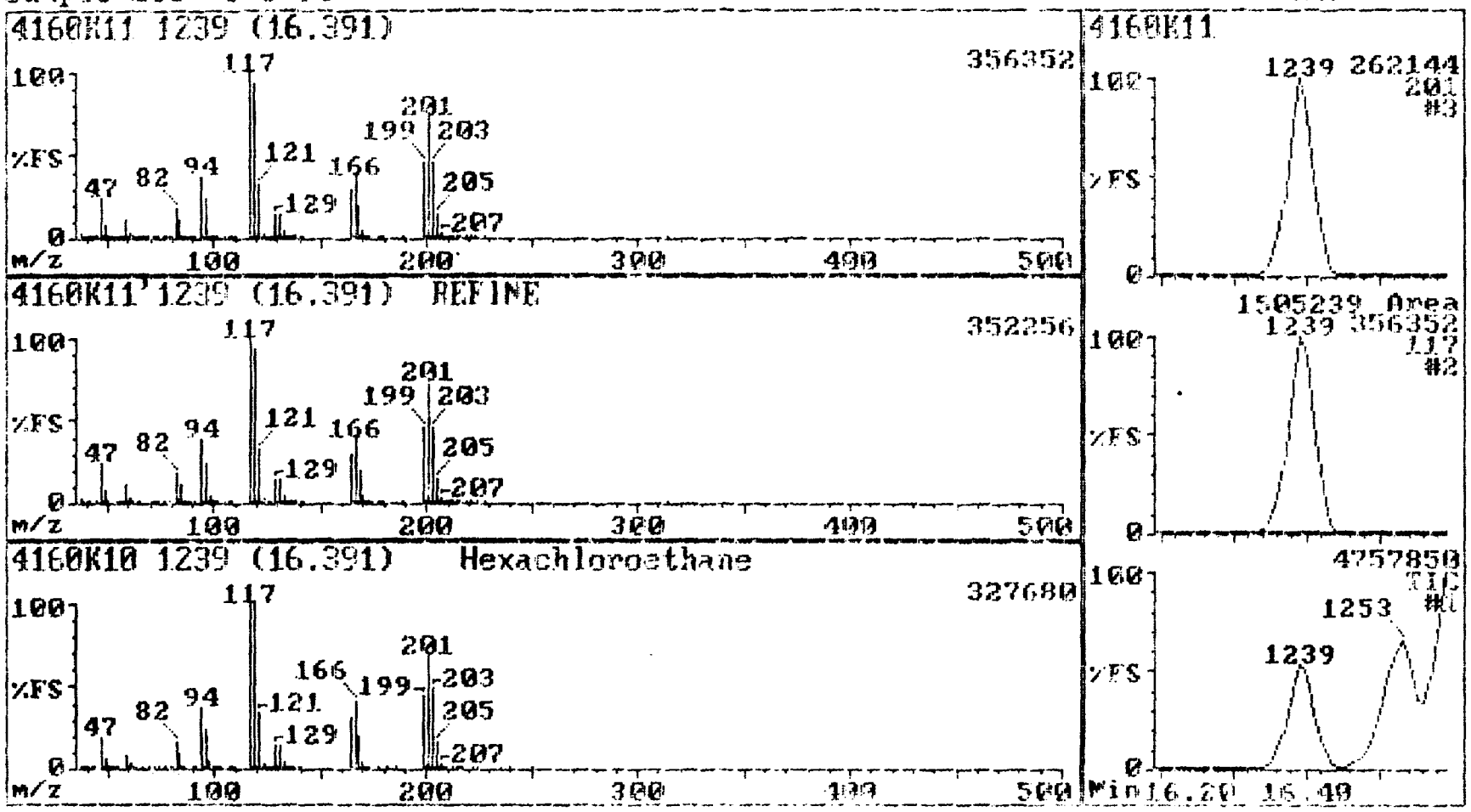
Sample:LCS 6/8/94 HPN:



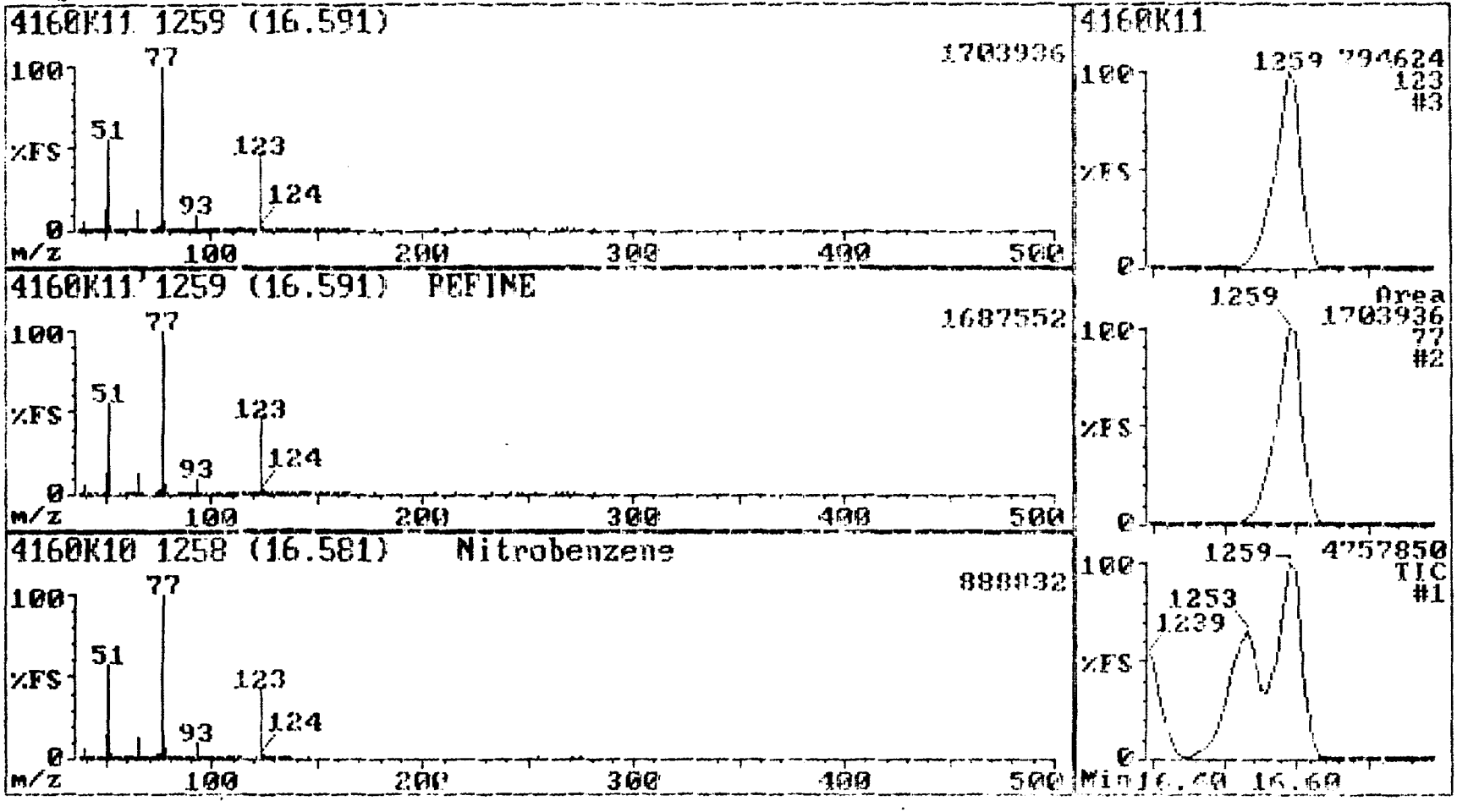
File:4160K11 06/09/94 15:29 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCS 6/8/94 HPN:



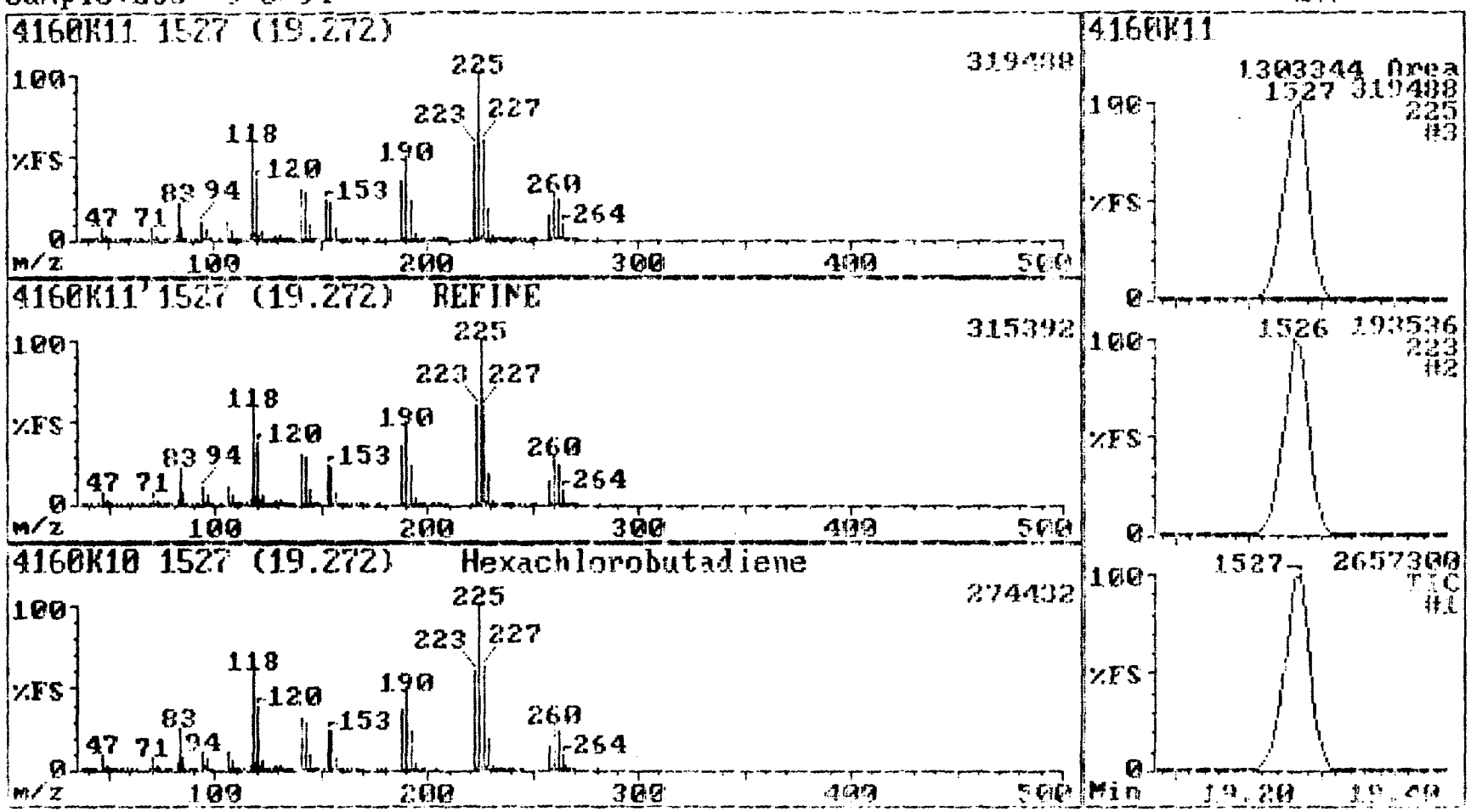
File:4160K11 06/09/94 15:29 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:LCS 6/8/94 HPN:



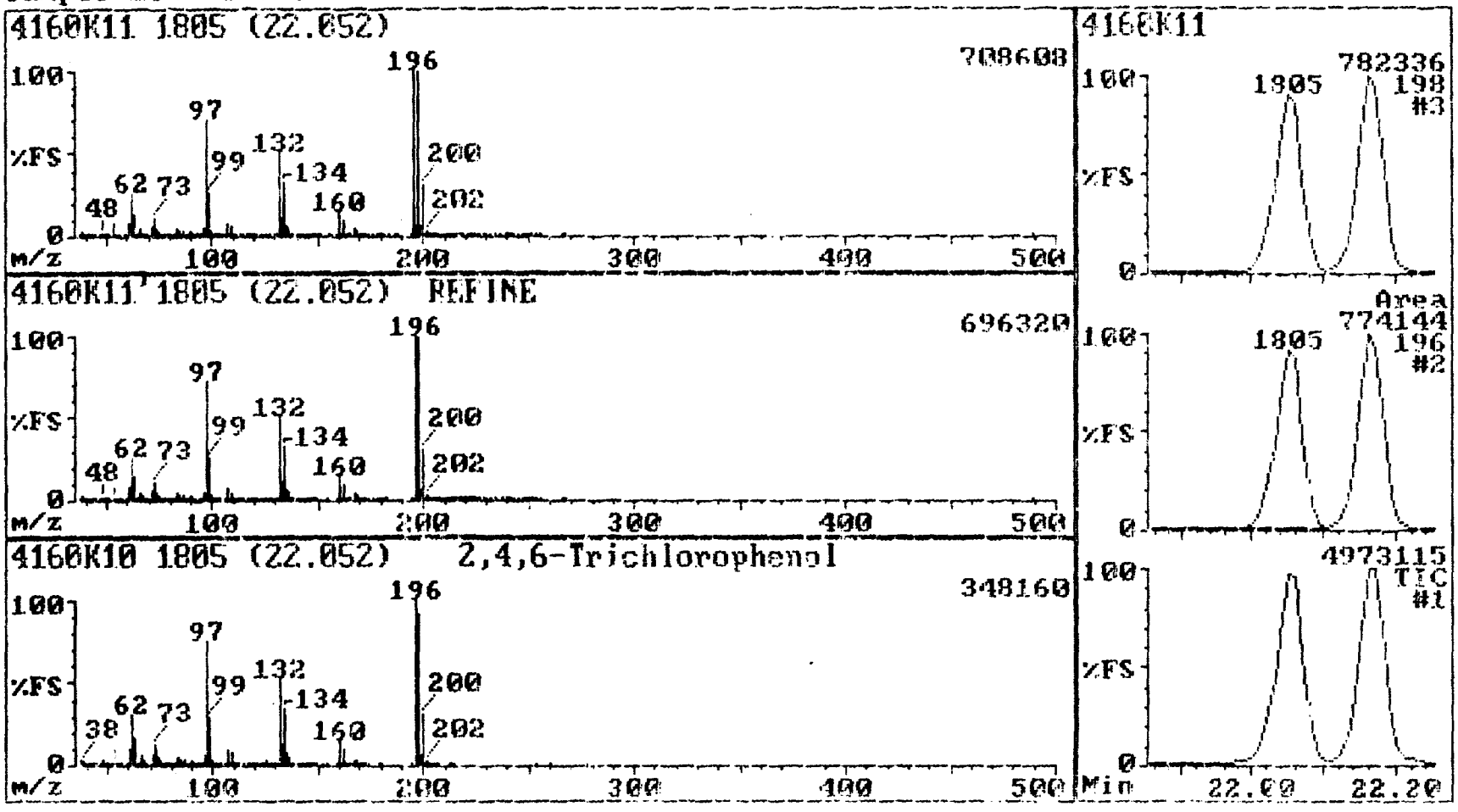
File:4160K11 06/09/94 15:29 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:LCS 6/3/94 HPN:



File:4160K11 06/09/94 15:29 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCS 6/3/94 HPN:



File:4160K11 06/09/94 15:29 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCS 6/8/94 HPN:



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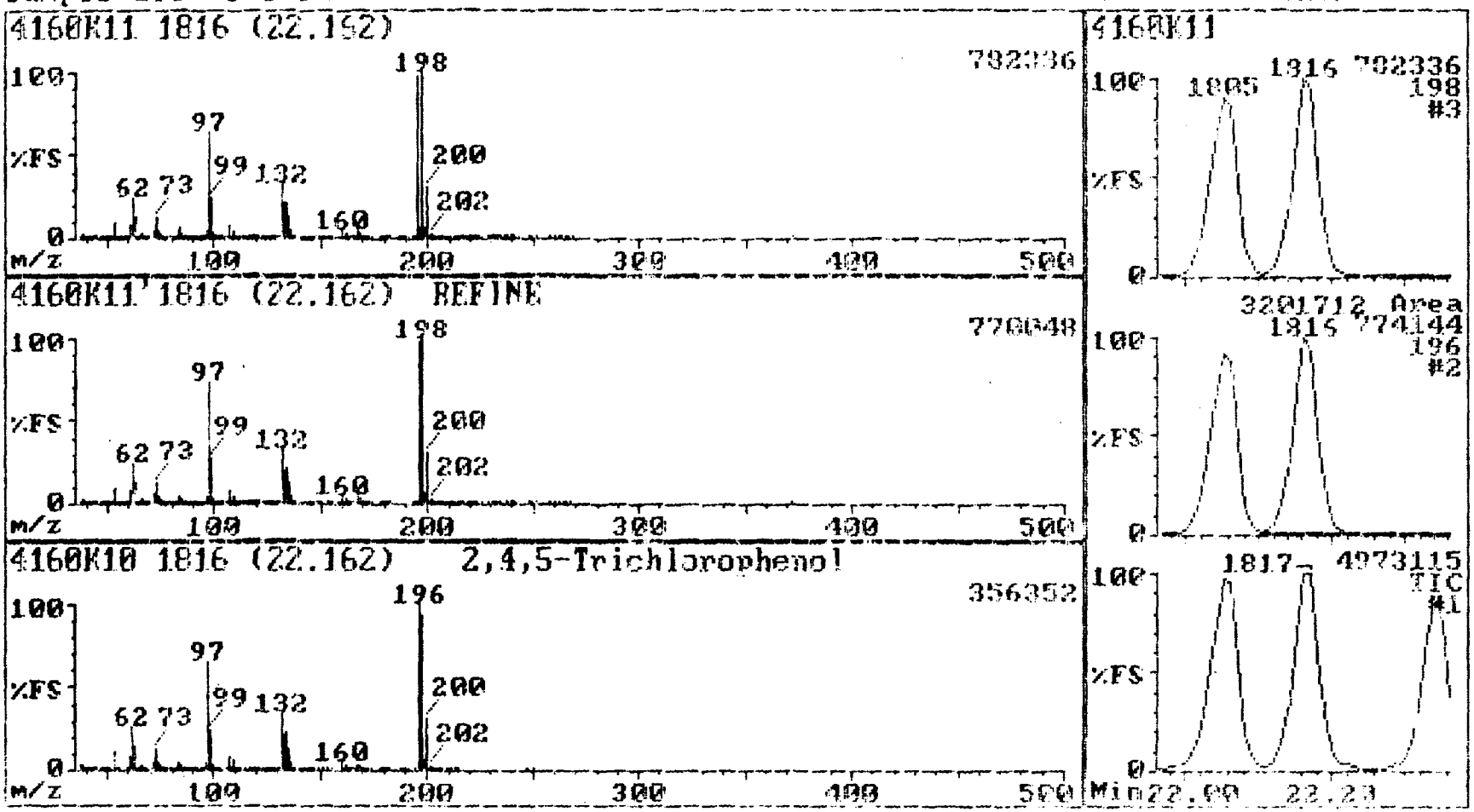
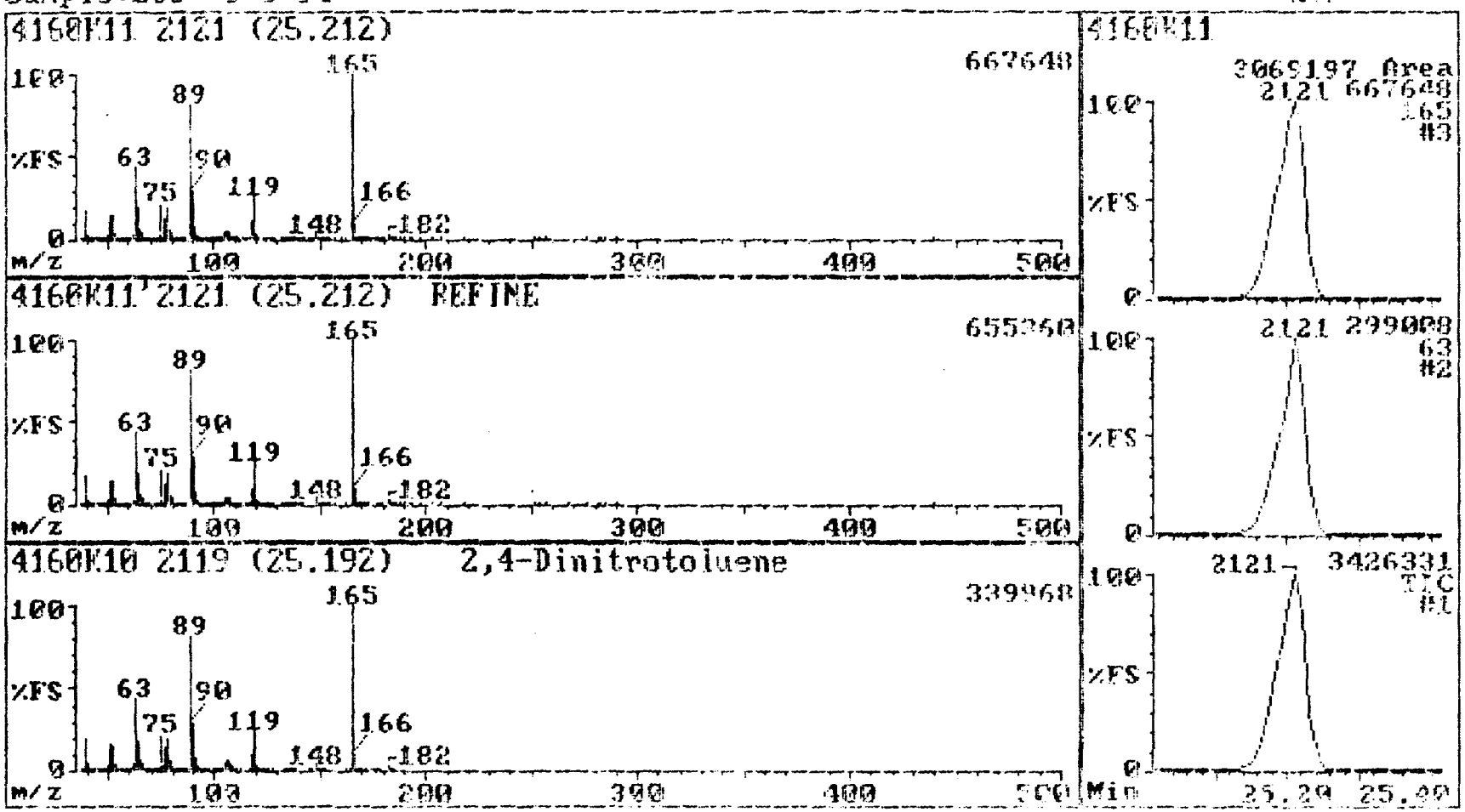
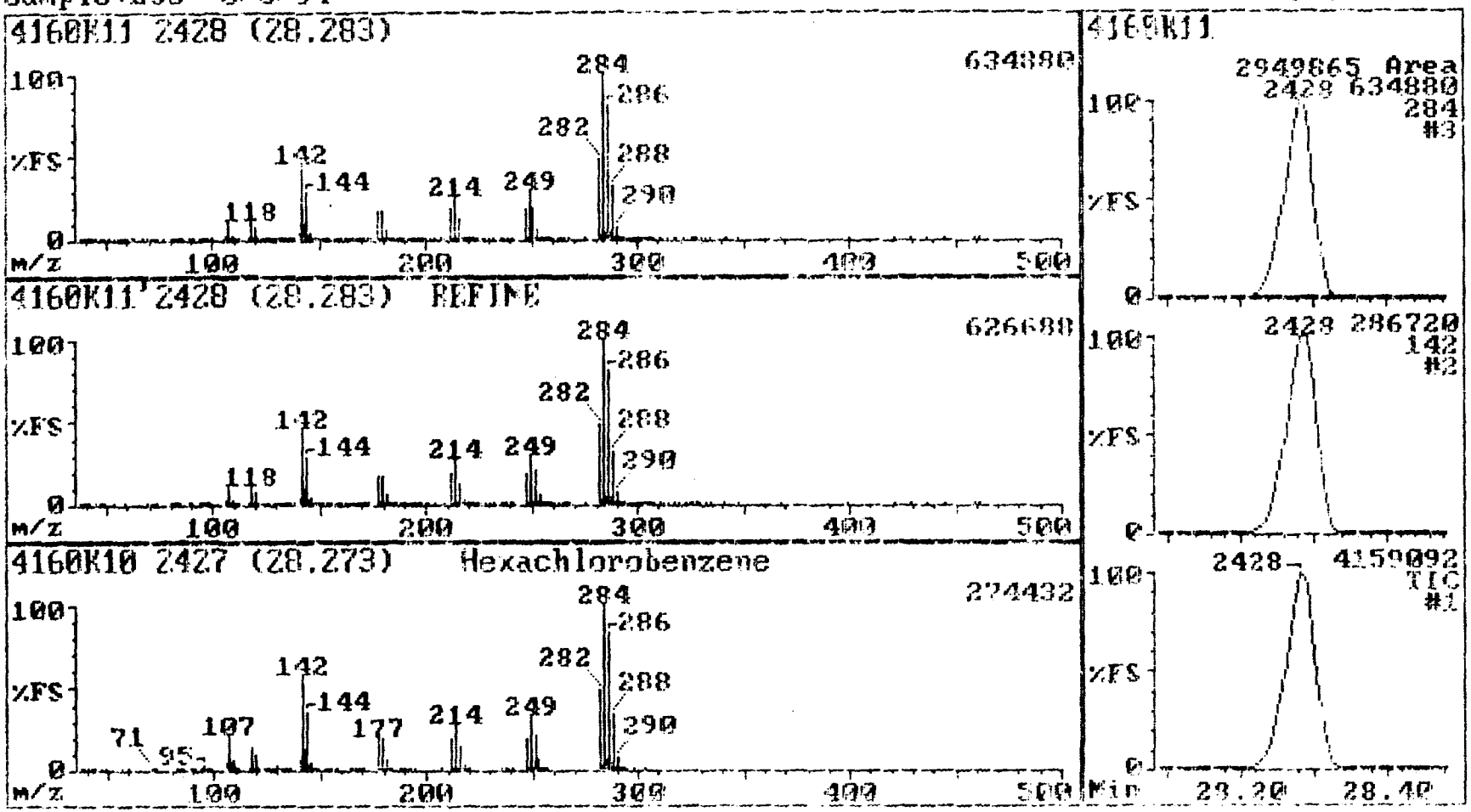
Sample:LCS 6/3/94 HPN:



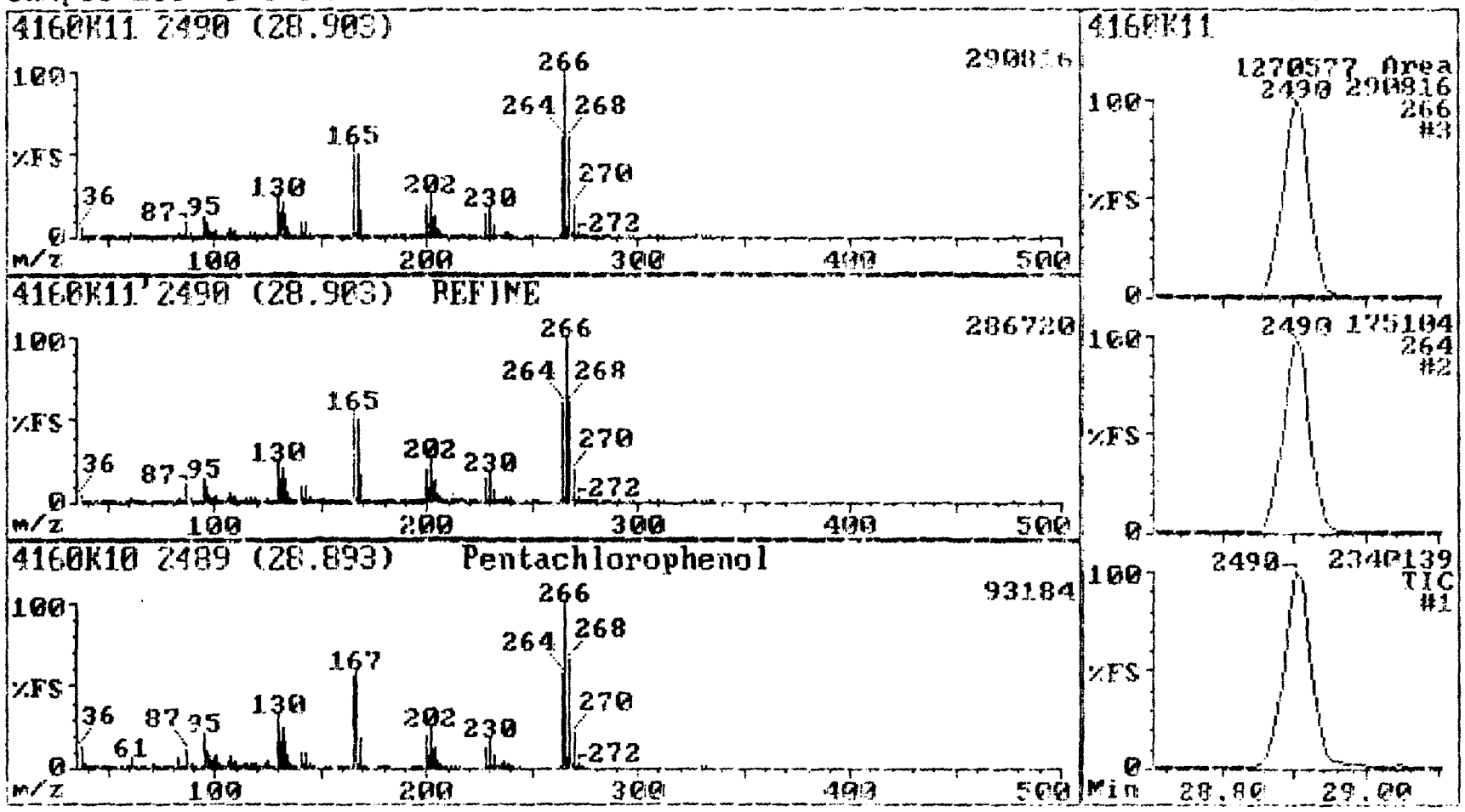
File:4160K11 06/09/94 15:29 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:LCS 6/3/94 HPN:



File:4160K11 06/09/94 15:29 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:LCS 6/8/94 HPN:



File:4160K11 06/09/94 15:29 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:LCS 6/9/94 HPN:



DAILY CALIBRATION CHECK

DATE : 06/09/9[illegible]

TIME : 15:2[illegible]

LAB FILE ID: 4160K10

	COMPOUND	FLAG	RF MEAN	RF 50	%D
4	Pyridine		1.741	1.754	-0.7
5	1,4-Dichlorobenzene	CCC	1.596	1.57[illegible]	1.5
6	2-Methyphenol		1.488	1.530	-2.9
7	3 & 4-Methylphenol		1.52[illegible]	1.605	-5.5
8	Hexachloroethane		0.634	0.655	-3.3
13	Nitrobenzene		0.423	0.412	2.6
14	Hexachlorobutadiene	CCC	0.144	0.135	6.2
18	2,4,6-Trichlorophenol	CCC	0.325	0.323	0.4
19	2,4,5-Trichlorophenol		0.333	0.332	0.3
20	2,4-Dinitrotoluene		0.305	0.316	-3.8
22	Hexachlorobenzene		0.202	0.184	8.8
23	Pentachlorophenol	CCC	0.074	0.055	25.3*
2	2-Fluorophenol	S	1.378	1.487	-7.9
3	Phenol-d5	S	1.761	1.832	-4.0
9	2-Chlorophenol-d4	S	1.417	1.405	0.8
10	1,2-Dichlorobenzene-d4	S	0.985	0.991	-0.2
12	Nitrobenzene-d5	S	0.413	0.408	1.1
16	2-Fluorobiphenyl	S	1.182	1.257	-6.3
17	2,4,6-Tribromophenol	S	0.120	0.111	8.0
25	Terphenyl-d14	S	1.348	1.321	2.0

! = FAILS METHOD CALIBRATION CRITERIA
SPCC RF > 0.050
CCC Difference < 30

* = Exceeds calibration warning limits
Difference < 20

QUAN DB : 4160K10 LAB-BASE QUAN 06/09/94 15:21

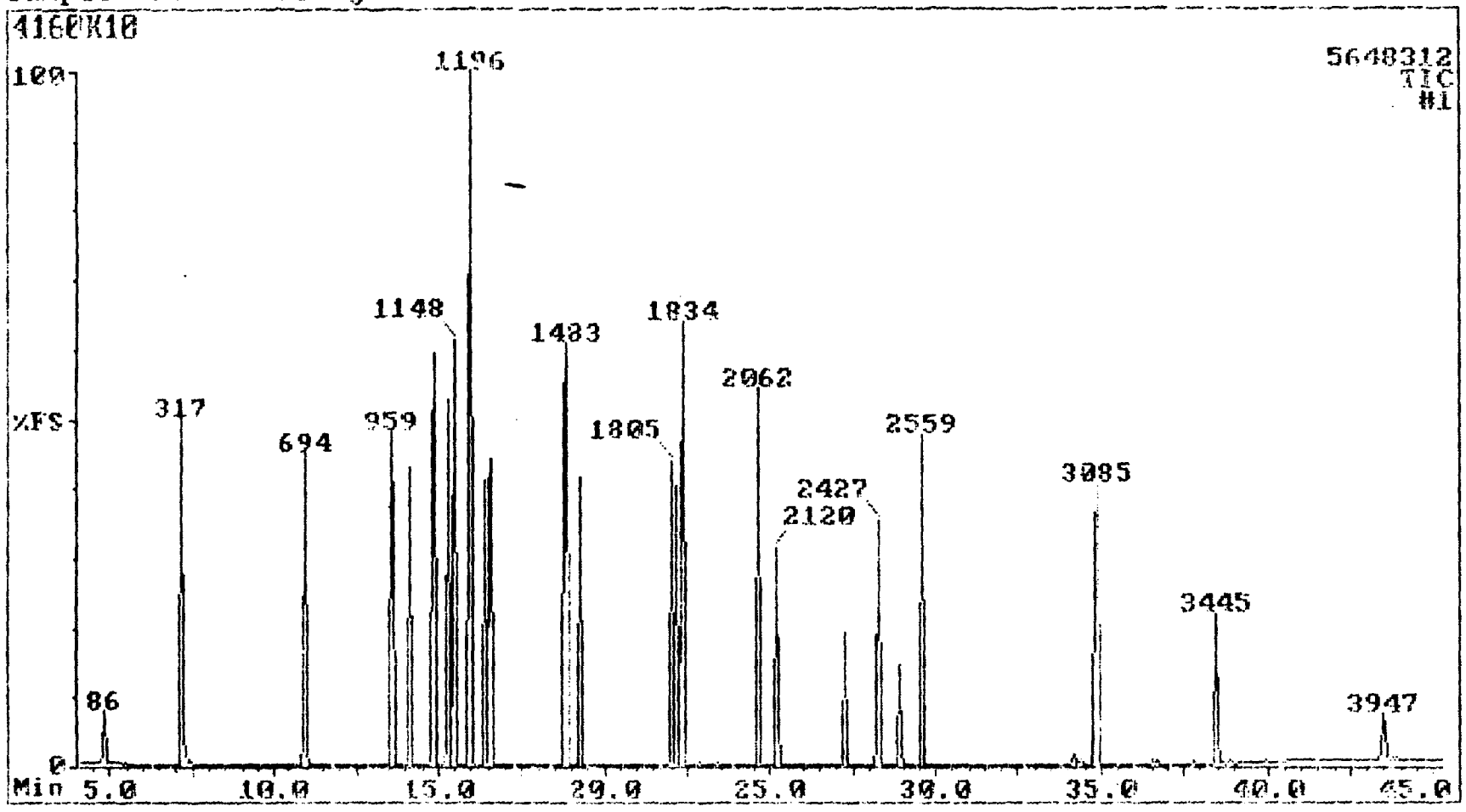
No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.81	1.00	1081	1	93	96	1680256	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	10.94	0.74	694	-1	95	96	3124038	bv	112	2-Fluorophenol	50.0	S
3	13.59	0.92	959	0	96	97	3647411	bb	99	Phenol-d5	50.0	S
4	7.17	0.48	317	-1	98	99	3684328	b?	79	Pyridine	50.0	
5	14.86	1.00	1086	-1	94	96	3302253	bv	146	1,4-Dichlorobenzene	50.0	CC
6	15.42	1.05	1148	0	96	97	3214486	bv	108	2-Methyphenol	50.0	
7	15.96	1.06	1196	-1	96	97	6740922	bv	108	3 & 4-Methylphenol	100.0	
8	16.33	1.11	1239	-1	96	97	1376269	bb	117	Hexachloroethane	50.0	
9	14.10	0.95	1010	-1	95	96	2951097	bv	132	2-Chlorophenol-d4	50.0	S
10	15.28	1.03	1128	-1	94	95	2081287	bv	152	1,2-Dichlorobenzene-d4	50.0	S
11	18.83	1.27	1483	0	93	96	6803100	bv	136	Naphthalene-d8	40.0	I
12	16.52	0.88	1252	0	93	96	3468720	vv	82	Nitrobenzene-d5	50.0	S
13	16.58	0.88	1258	-1	95	96	3501591	vv	77	Nitrobenzene	50.0	
14	19.27	1.02	1527	0	92	96	1151254	bb	225	Hexachlorobutadiene	50.0	CC
15	24.62	1.31	2062	0	93	94	3406169	bv	164	Acenaphthene-d10	40.0	I
16	22.34	0.91	1834	-1	92	96	5349830	bv	172	2-Fluorobiphenyl	50.0	S
17	27.23	1.11	2323	0	87	96	470511	bv	330	2,4,6-Tribromophenol	50.0	S
18	22.05	0.90	1803	0	91	96	1376929	bv	196	2,4,6-Trichlorophenol	50.0	CC
19	22.16	0.90	1816	0	91	96	1411711	vv	196	2,4,5-Trichlorophenol	50.0	
20	25.19	1.02	2119	-1	93	96	1347039	bv	165	2,4-Dinitrotoluene	50.0	
21	29.59	1.20	2559	0	89	93	5410707	bv	188	Phenanthrene-d10	40.0	I
22	28.27	0.92	2427	-1	86	91	1244183	bv	284	Hexachlorobenzene	50.0	
23	28.89	0.98	2489	-1	81	94	375283	bv	266	Pentachlorophenol	50.0	CC
24	38.45	1.30	3442	1	81	85	2606687	bv	240	Chrysene-d12	40.0	I
25	34.84	0.91	3084	-1	85	92	4304990	bv	244	Terphenyl-d14	50.0	S
26	43.47	1.13	3947	0	70	82	1264566	vv	264	Perylene-d12	40.0	I

Interim Report LAB-BASE FIND 06/09/94 15:[illegible]

Raw Datafile : 4160R10 Quan DB : [illegible]
Find DB : TCLP6270 Scan DB :

No.	MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Scan Pred	QM	Compound Name
1	100	92	96	1	1680256	bv	1081	1080	152	1,4-Dichlorobenzene-d4
	74	92	96	42	2081287	bv	1128			
2	100	95	96	-1	3124038	bv	694	695	112	2-Fluorophenol
3	100	96	97	0	3647411	bb	959	959	99	Phenol-d5
4	100	98	99	-1	3684328	bv	317	316	79	Pyridine
5	100	94	95	-1	3302253	bv	1082	1087	146	1,4-Dichlorobenzene
6	100	96	97	0	3214486	bv	1148	1148	108	2-Methyphenol
7	100	96	97	-1	6740922	bv	1196	1197	108	3 & 4-Methylphenol
8	100	96	97	-1	1376269	bb	1239	1240	117	Hexachloroethane
9	100	95	96	-1	2951097	bv	1010	1011	132	2-Chlorophenol-d4
10	100	94	95	-1	2081287	bv	1128	1129	152	1,2-Dichlorobenzene-d4
11	100	92	96	0	6803100	bv	1483	1483	133	Naphthalene-d8
12	100	93	96	0	3468720	vv	1252	1252	82	Nitrobenzene-d5
13	100	95	96	-1	2501591	vv	1256	1259	77	Nitrobenzene
14	100	92	96	0	1151254	bb	1527	1527	225	Hexachlorobutadiene
15	100	93	94	0	3406165	bv	2062	2062	154	Acenaphthene-d10
16	100	92	96	-1	5349630	bv	1834	1835	172	2-Fluorobiphenyl
17	100	87	96	0	470511	bv	2323	2323	330	2,4,6-Tribromophenol
18	100	91	96	0	1376929	bv*	1805	1805	196	2,4,6-Trichlorophenol
19	100	91	96	0	1411711	vv	1816	1816	196	2,4,5-Trichlorophenol
20	100	93	96	-1	1347039	bv	2119	2120	165	2,4-Dinitrotoluene
21	100	89	93	0	5410707	bv	2559	2559	188	Phenanthrene-d10
22	100	86	91	-1	1244183	bv	2427	2428	284	Hexachlorobenzene
23	100	81	94	-1	375283	bv	2489	2490	266	Pentachlorophenol
24	98	81	85	1	2606667	bv	3445	3444	240	Chrysene-d12
25	100	85	92	-1	4304930	bv	3084	3085	244	Terphenyl-d14
26	95	70	82	0	1264566	vv	3947	3947	264	Perylene-d12

File:4169K10 06/09/91 14:34 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:496-4-2 50 ng TCLP Std HPN:



SW-846 DFTPP TUNE CHECK REPORT

Datafile : 4160K09

Date : 06/09/94
Time : 14:14

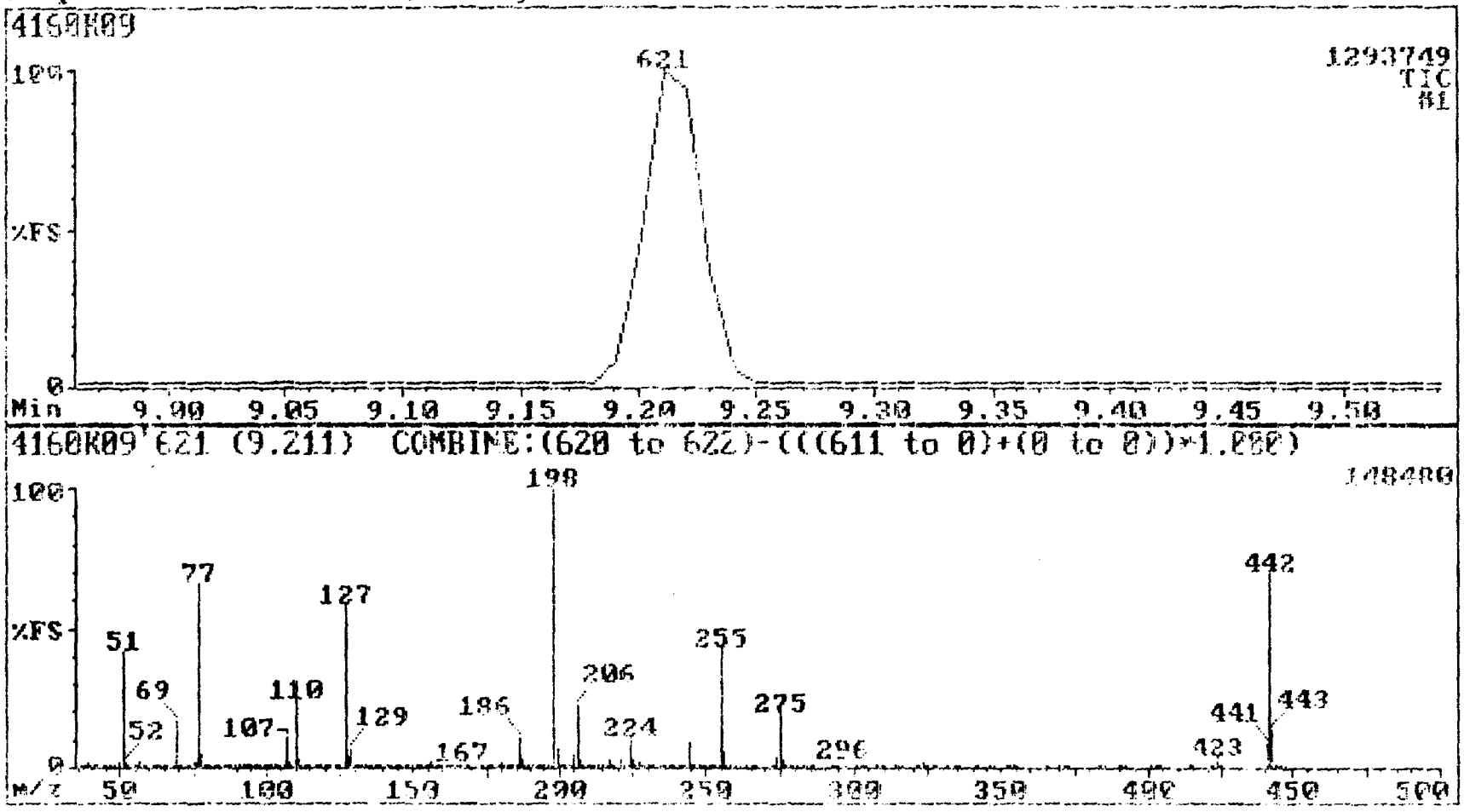
M/Z	ION ABUNDANCE CRITERIA	ABUNDANCE	TUNE
51	30.0 - 60.0% of mass 198	41.72	PASS
68	Less than 2.0% of mass 69	0.06(0.3)1	PASS
69	Mass 69 relative abundance	16.38	PASS
70	Less then 2.0% of mass 69	0.14(0.8)1	PASS
127	40.0 - 60.0% of mass 198	57.92	PASS
197	Less than 1% of mass 198	0.07	PASS
198	Base peak, 100% relative abundance	100.00	PASS
199	5 - 9% of mass 198	6.64	PASS
275	10 - 30% of mass 198	19.31	PASS
365	greater than 1.0% of mass 198	1.26	PASS
441	Present, but less then mass 443	8.75	PASS
442	greater than 40.0% of mass 198	70.34	PASS
443	17.0 - 23.0% of mass 442	13.62(19.4)2	PASS

✓ gnm
06/10/94

4160K09'621 (9.211) COMBINE:(620 to 622)-(((611 to 0)+(0 to 0))*1.000) 14845

Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int
35	57	0.07	92	86	0.06	144	131	0.09	199	9856	6.64	251	34	0.02	327	360	0.24
36	640	0.43	93	424	0.29	145	225	0.15	200	908	0.61	252	42	0.03	328	253	0.17
37	17	0.01	94	155	0.10	146	41	0.03	201	368	0.25	253	61	0.04	332	115	0.08
38	292	0.2[illegible]	95	42	0.03	147	340	0.23	202	187	0.13	254	134	0.09	333	177	0.12
39	2576	1.73	96	500	0.34	148	504	0.34	203	276	0.19	255	63232	42.59	334	1533	1.03
40	84	0.0[illegible]	97	134	0.09	150	163	0.11	204	3280	2.21	256	9152	6.16	335	469	0.31
41	260	0.18	98	169	0.11	151	282	0.19	205	6912	4.66	257	760	0.51	336	31	0.02
42	29	0.02	99	544	0.37	152	82	0.06	206	33024	22.24	258	1376	0.93	341	30[illegible]	0.21
44	35	0.02	100	99	0.07	153	97	0.07	207	4416	2.97	259	283	0.19	342	132	0.09
45	91	0.06	101	1584	1.07	154	117	0.08	208	388	0.25	260	94	0.06	343	4[illegible]	0.27
47	42	0.03	102	130	0.09	155	864	0.58	209	166	0.11	261	135	0.09	347	65	0.04
48	88	0.06	103	264	0.18	156	2336	1.57	210	369	0.25	264	31	0.02	352	76[illegible]	0.52
50	3568	2.40	104	39	0.03	157	416	0.28	211	1004	0.68	265	476	0.32	353	544	0.37
51	61352	41.72	105	87	0.06	158	86	0.06	212	205	0.14	266	76	0.05	354	952	0.64
52	3472	2.34	106	96	0.06	159	96	0.06	213	45	0.03	267	112	0.08	355	260	0.18
53	192	0.13	107	15936	10.73	160	225	0.15	215	40	0.03	272	109	0.07	365	1872	1.26
55	85	0.06	108	3152	2.12	161	996	0.67	216	153	0.10	273	1872	1.26	366	268	0.18
56	244	0.16	109	173	0.12	162	284	0.19	217	4160	2.80	274	5184	3.49	370	35	0.02
57	2643	1.78	110	35564	23.97	163	122	0.08	218	752	0.51	275	28672	19.31	371	180	0.12
58	128	0.09	111	4096	2.76	164	73	0.05	219	79	0.05	276	3920	2.64	372	1360	0.92
59	108	0.07	112	376	0.25	165	93	0.06	221	4736	3.19	277	1328	0.89	373	352	0.24
61	77	0.05	113	189	0.13	166	400	0.27	222	480	0.32	278	228	0.15	383	452	0.30
62	119	0.08	114	79	0.05	167	3104	2.09	223	1485	1.00	279	69	0.05	384	165	0.11
63	576	0.39	115	128	0.09	168	1456	0.98	224	15616	10.52	281	9	0.01	385	31	0.02
64	104	0.07	117	704	0.47	169	340	0.23	225	3656	2.60	283	288	0.19	390	264	0.18
65	1856	1.25	118	126	0.08	173	238	0.16	226	456	0.31	284	117	0.08	391	116	0.08
66	119	0.08	119	141	0.09	174	746	0.50	227	2288	1.54	285	468	0.32	392	153	0.10
68	83	0.06	120	272	0.18	175	2128	1.43	228	304	0.20	286	80	0.05	401	122	0.08
69	24320	16.38	121	45	0.03	176	384	0.26	229	1168	0.79	292	116	0.08	402	552	0.37
70	204	0.14	122	37	0.02	177	132	0.09	230	163	0.11	293	616	0.41	403	916	0.62
71	44	0.03	123	204	0.14	179	1744	1.17	231	708	0.48	294	95	0.06	404	324	0.22
73	204	0.14	124	126	0.08	180	2624	1.77	232	83	0.06	295	34	0.02	414	29	0.02
74	366	0.25	125	472	0.32	181	1392	0.94	234	80	0.05	296	4048	2.73	415	41	0.03
75	2560	1.72	127	85016	57.93	182	196	0.13	235	376	0.25	297	612	0.41	421	832	0.56
76	2944	1.98	128	6080	4.09	183	39	0.03	236	288	0.19	301	51	0.03	422	748	0.50
77	98304	66.21	129	9752	6.59	184	33	0.02	237	520	0.35	302	74	0.05	423	5504	3.71
78	6592	4.44	130	904	0.61	185	1040	0.70	238	70	0.05	303	756	0.51	424	1104	0.74
79	460	0.31	131	241	0.16	186	16192	10.91	239	80	0.05	304	213	0.14	425	94	0.06
80	200	0.13	132	214	0.14	187	4800	3.23	240	40	0.03	306	65	0.04	441	12992	8.75
81	1120	0.75	133	164	0.11	188	216	0.15	241	146	0.10	309	30	0.02	442	104448	70.34
82	528	0.36	134	168	0.11	189	77	0.05	242	768	0.52	310	82	0.06	443	20224	13.62
83	1472	0.99	135	838	0.60	191	156	0.11	243	708	0.48	314	320	0.22	444	2000	1.35
84	51	0.03	136	348	0.23	192	804	0.54	244	12544	8.45	315	468	0.32	445	201	0.14
85	188	0.13	137	736	0.50	193	1072	0.72	245	1632	1.10	316	472	0.32	446	30	0.02
86	143	0.10	138	256	0.17	194	300	0.20	246	880	0.59	321	219	0.15	447	35	0.02
87	153	0.10	139	32	0.02	195	101	0.07	247	177	0.12	322	96	0.06			
88	148	0.10	141	604	0.41	196	1872	1.26	248	107	0.07	323	2592	1.75			
89	95	0.06	142	288	0.19	197	100	0.07	249	460	0.31	324	488	0.33			
91	111	0.07	143	324	0.22	198	148480	100.00	250	124	0.08	325	33	0.02			

File:4160K09 06/09/94 14:14 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:496-51-1 vial 4, 50 ng DFTPP HPN:



✓ 926 6/10/94

QUAN DB : 4160K06 LAB-BASE QUAN 06/09/94 14:14

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.60	1.00	1080	0	94	95	1709598	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	10.94	0.74	694	0	95	96	4984228	bb	112	2-Fluorophenol	89.2	S
3	13.58	0.92	958	0	95	96	3934932	bb	99	Phenol-d5	54.3	S
4	7.18	0.49	0	0	0	0	0		79	Pyridine	0.0	
5	14.86	1.00	0	0	0	0	0		146	1,4-Dichlorobenzene	0.0	CC
6	15.47	1.05	0	0	0	0	0		108	2-Methyphenol	0.0	
7	15.96	1.08	0	0	0	0	0		108	3 & 4-Methylphenol	0.0	
8	16.39	1.11	0	0	0	0	0		117	Hexachloroethane	0.0	
9	14.11	0.95	1011	1	94	96	7374259	bv	132	2-Chlorophenol-d4	131.7	S
10	15.28	1.03	1126	0	92	94	2306382	bv	152	1,2-Dichlorobenzene-d4	54.2	S
11	18.82	1.27	1482	0	92	95	6048424	bv	136	Naphthalene-d8	40.0	I
12	16.51	0.88	1251	0	93	95	5354617	bv	82	Nitrobenzene-d5	84.0	S
13	16.58	0.88	0	0	0	0	0		77	Nitrobenzene	0.0	
14	19.26	1.02	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
15	24.62	1.31	2062	1	91	93	3635638	bv	164	Acenaphthene-d10	40.0	I
16	22.34	0.91	1834	-1	91	95	7299339	bv	172	2-Fluorobiphenyl	68.9	S
17	27.23	1.11	2323	0	86	95	1246288	bv	330	2,4,6-Tribromophenol	110.7	S
18	22.04	0.90	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
19	22.15	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
20	25.19	1.02	0	0	0	0	0		165	2,4-Dinitrotoluene	0.0	
21	29.58	1.20	2558	-1	88	91	5233663	bv	188	Phenanthrene-d10	40.0	I
22	28.27	0.96	0	0	0	0	0		264	Hexachlorobenzene	0.0	
23	28.91	0.98	2491	2	31	60	4960	M	266	Pentachlorophenol	0.7	CC
24	38.43	1.30	3443	0	78	83	2150341	bv	240	Chrysene-d12	40.0	I
25	34.84	0.91	3084	1	84	91	7041720	bv	244	Terphenyl-d14	101.3	S
26	43.47	1.13	3947	2	64	78	912200	bv	264	Perylene-d12	40.0	I

✓ gm 06/10/94

Datafile : 4160K08

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	556098	1709598	2224366
Naphthalene-d8	2271969	6048424	9087676
Acenaphthene-d10	1318530	3635638	5274118
Phenanthrene-d10	2063442	5233669	8253768
Chrysene-d12	1113607	2150341	4454426
Perylene-d12	676240	912200	2704958

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	14.80	14.80
Naphthalene-d8	18.82	18.82
Acenaphthene-d10	24.61	24.62
Phenanthrene-d10	29.58	29.56
Chrysene-d12	38.43	38.43
Perylene-d12	43.45	43.47

Surrogate Recoveries

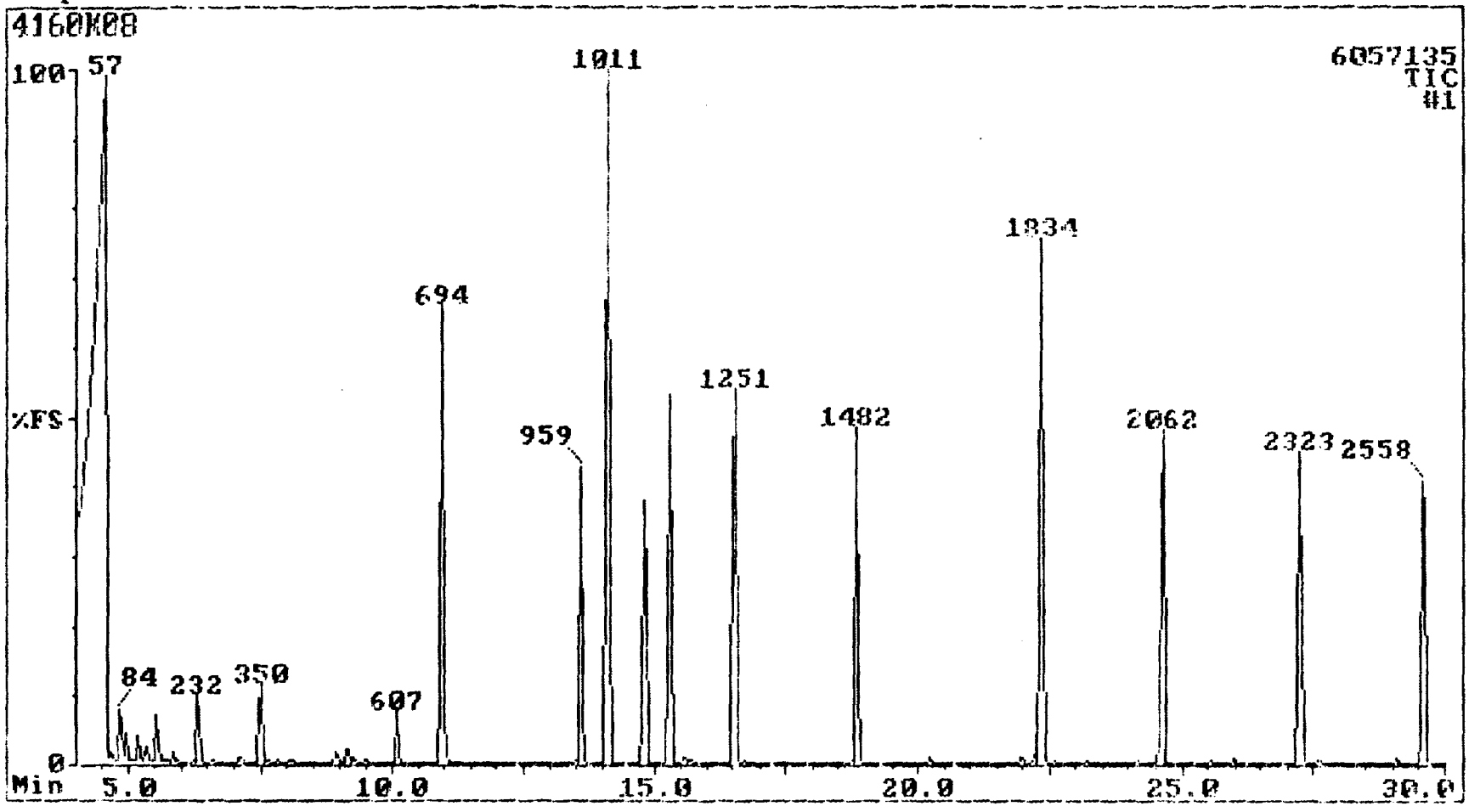
COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	89.1735	59.4	(25-121)	(21-110)	bb	4984228
Phenol-d5	54.3473	36.2	(24-113)	(10-110)	bb	3934932
2-Chlorophenol-d4	131.7425	87.8	(20-130)	(33-110)	bv	7374259
1,2-Dichlorobenzene-d4	54.2281	54.2	(20-130)	(16-110)	bv	2306382
Nitrobenzene-d5	83.9569	84.0	(23-120)	(35-114)	bv	5354617
2-Fluorobiphenyl	68.8631	68.9	(30-115)	(43-116)	bv	7299939
2,4,6-Tribromophenol	110.6977	73.8	(19-122)	(10-123)	bv	1246288
Terphenyl-d14	101.3213	101.3	(18-137)	(33-141)	bv	7041720

Interim Report LAB-BASE FIND 06/09/94 14:06

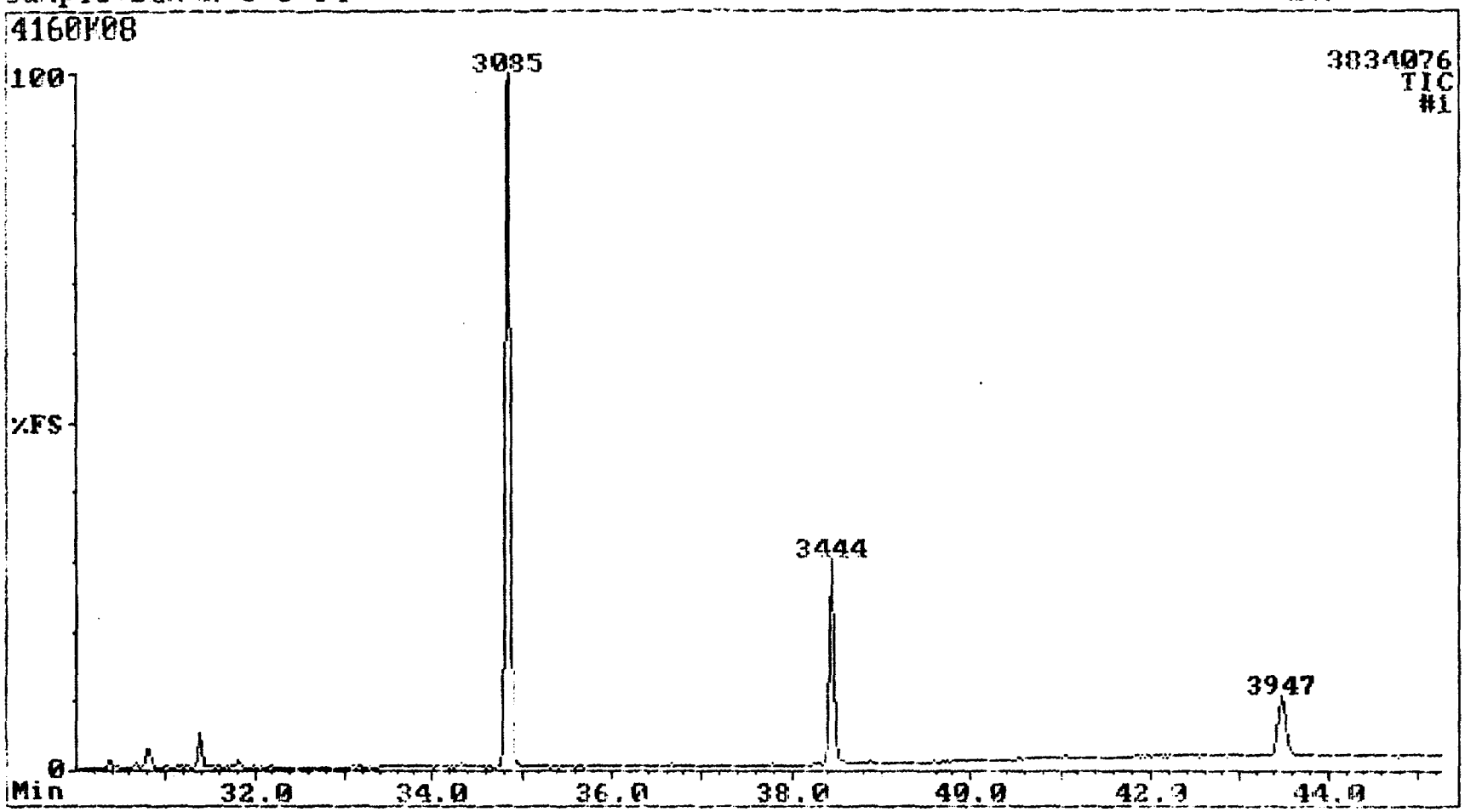
Raw Datafile : 4160R.08 Quan DB : 4160R08
Find DB : 1CLP6270 Scan DB :

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	RM	Compound Name
1	100	94	95	0	1705596	bv	1080	1080	152	1,4-Dichlorobenzene-d4
	73	93	95	48	2306382	bv	1128			
2	100	95	96	0	4984228	bb	654	694	112	2-Fluorophenol
3	100	95	96	0	3934932	bb	958	958	99	Phenol-d5
4	*** No Trace Found ***					*		316	79	Pyridine
5	*** No Trace Found ***							1086	146	1,4-Dichlorobenzene
6	*** No Trace Found ***							1147	108	2-Methyphenol
7	*** No Trace Found ***							1196	108	3 & 4-Methylphenol
8	*** No Trace Found ***							1239	117	Hexachloroethane
9	100	94	96	1	7374259	bv	1011	1010	132	2-Chlorophenol-d4
10	100	92	94	0	2306382	bv	1126	1128	152	1,2-Dichlorobenzene-d4
11	100	92	95	0	6048424	bv	1482	1482	136	Naphthalene-d8
12	100	93	95	0	5354617	bv	1251	1251	82	Nitrobenzene-d5
13	*** No Trace Found ***					*		1258	77	Nitrobenzene
14	*** No Trace Found ***							1526	225	Hexachlorobutadiene
15	100	91	93	1	3635638	bv	2062	2061	164	Acenaphthene-d10
16	100	91	95	-1	7299939	bv	1834	1835	172	2-Fluorobiphenyl
17	100	86	95	0	1246268	bv	2323	2323	330	2,4,6-Tribromophenol
18	*** No Trace Found ***							1805	196	2,4,6-Trichlorophenol
19	*** No Trace Found ***							1816	196	2,4,5-Trichlorophenol
20	*** No Trace Found ***							2120	165	2,4-Dinitrotoluene
21	100	88	91	-1	5233669	bv	2558	2559	188	Phenanthrene-d10
22	*** No Trace Found ***							2427	284	Hexachlorobenzene
23	54	31	60	2	2699	!v	2491	2489	266	Pentachlorophenol
24	100	78	83	0	2150341	bv	3443	3443	240	Chrysene-d12
25	100	84	91	1	7041720	bv	3084	3083	244	Terphenyl-d14
26	79	64	78	2	912200	bv	3947	3945	264	Perylene-d12

File:4160K08 06/09/94 13:19 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:BLANK 6/8/94 HPN:



File:4160K38 06/09/94 13:19 Lab:TCT St Paul Instrument:VGTrioZC DPZ
Sample:BLANK 6/8/94 HPN:



DAILY CALIBRATION CHECK

DATE : 06/09/94

TIME : 14:05

LAB FILE ID: 4160K03

	COMPOUND	FLAG	RF MEAN	RF 50	%D
4	Pyridine		1.741	1.634	6.2
5	1,4-Dichlorobenzene	CCC	1.596	1.567	1.8
6	2-Methyphenol		1.488	1.468	1.3
7	3 & 4-Methylphenol		1.522	1.516	0.4
8	Hexachloroethane		0.634	0.650	-2.5
13	Nitrobenzene		0.423	0.447	-5.7
14	Hexachlorobutadiene	CCC	0.144	0.160	-10.8
18	2,4,6-Trichlorophenol	CCC	0.325	0.313	3.7
19	2,4,5-Trichlorophenol		0.333	0.318	4.5
20	2,4-Dinitrotoluene		0.305	0.298	2.3
22	Hexachlorobenzene		0.202	0.216	-7.3
23	Pentachlorophenol	CCC	0.074	0.058	21.9*
2	2-Fluorophenol	S	1.378	1.308	5.1
3	Phenol-d5	S	1.761	1.694	3.8
9	2-Chlorophenol-d4	S	1.417	1.310	7.6
10	1,2-Dichlorobenzene-d4	S	0.989	0.995	-0.6
12	Nitrobenzene-d5	S	0.413	0.422	-2.2
16	2-Fluorobiphenyl	S	1.182	1.166	1.4
17	2,4,6-Tribromophenol	S	0.120	0.124	-3.2
25	Terphenyl-d14	S	1.348	1.293	4.1

! = FAILS METHOD CALIBRATION CRITERIA
SPCC RF > 0.050
CCC Difference < 30
* = Exceeds calibration warning limits
Difference < 20

INITIAL CALIBRATION CHECK

Report Date : 06/09/94
Time : 13:39

LAB FILE ID: RF20 =4160K04 RF50 =4160K03 RF80 =4160K05
RF120=4160K06 RF160=4160K07

	COMPOUND	FLAG	RF 20NG	RF 50NG	RF 80NG	RF 120NG	RF 160NG	RF MEAN	%RSD
4	Pyridine		1.785	1.634	1.704	1.800	1.783	1.741	4.1
5	1,4-Dichlorobenzene	CCC	1.666	1.567	1.561	1.639	1.547	1.596	3.3
6	2-Methyphenol		1.500	1.468	1.458	1.554	1.459	1.488	2.7
7	3 & 4-Methylphenol		1.588	1.516	1.507	1.524	1.474	1.522	2.7
8	Hexachloroethane		0.669	0.650	0.627	0.628	0.596	0.634	4.3
13	Nitrobenzene		0.455	0.447	0.417	0.389	0.406	0.423	6.5
14	Hexachlorobutadiene	CCC	0.155	0.160	0.135	0.135	0.136	0.144	8.5
18	2,4,6-Trichlorophenol	CCC	0.340	0.313	0.316	0.330	0.325	0.325	3.3
19	2,4,5-Trichlorophenol		0.352	0.318	0.326	0.342	0.326	0.333	4.1
20	2,4-Dinitrotoluene		0.309	0.298	0.295	0.304	0.318	0.305	3.1
22	Hexachlorobenzene		0.199	0.216	0.194	0.216	0.183	0.202	7.1
23	Pentachlorophenol	CCC		0.058	0.065	0.082	0.093	0.074	21.3
2	2-Fluorophenol	S	1.404	1.308	1.379	1.433	1.368	1.376	3.4
3	Phenol-d5	S	1.848	1.694	1.707	1.785	1.772	1.761	3.6
9	2-Chlorophenol-d4	S	1.459	1.310	1.420	1.479	1.415	1.417	4.6
10	1,2-Dichlorobenzene-d4	S	1.039	0.995	0.960	0.974	0.975	0.989	3.1
12	Nitrobenzene-d5	S	0.435	0.422	0.398	0.400	0.408	0.413	3.8
16	2-Fluorobiphenyl	S	1.322	1.166	1.183	1.189	1.050	1.182	8.2
17	2,4,6-Tribromophenol	S	0.119	0.124	0.118	0.119	0.121	0.120	2.1
25	Terphenyl-d14	S	1.241	1.293	1.390	1.466	1.351	1.348	6.4

! = FAILS CALIBRATION CRITERIA
SPCC RF MUST BE > 0.050
CCC RSD MUST BE < 30
* = Exceeds calibration warning limits
RSD should be < 30(non-CCCs)

✓ 06/10/94

QUAN DB : 4160K03 LAB-BASE QUAN 06/09/94 13:40

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.80	1.00	1080	0	93	95	1112183	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	10.94	0.74	694	0	95	96	1818086	bv	112	2-Fluorophenol	50.0	S
3	13.58	0.92	958	0	96	97	2355085	bv	99	Phenol-d5	50.0	S
4	7.18	0.49	318	0	98	99	2271168	b?	79	Pyridine	50.0	
5	14.86	1.00	1086	0	94	95	2178085	bv	146	1,4-Dichlorobenzene	50.0	CC
6	15.47	1.05	1147	0	95	96	2040332	bv	108	2-Methyphenol	50.0	
7	15.96	1.08	1196	0	95	96	4214777	bv	108	3 & 4-Methylphenol	100.0	
8	16.39	1.11	1239	0	96	96	903734	bb	117	Hexachloroethane	50.0	
9	14.10	0.95	1010	0	94	96	1820726	bv	132	2-Chlorophenol-d4	50.0	S
10	15.28	1.03	1128	0	92	94	1383435	bv	152	1,2-Dichlorobenzene-d4	50.0	S
11	18.82	1.27	1482	0	93	96	4543936	bv	136	Naphthalene-d8	40.0	I
12	16.51	0.88	1251	-1	91	95	2395700	vv	82	Nitrobenzene-d5	50.0	S
13	16.58	0.88	1258	0	94	95	2538414	vv	77	Nitrobenzene	50.0	
14	19.26	1.02	1526	0	92	95	908239	bv	225	Hexachlorobutadiene	50.0	CC
15	24.61	1.31	2061	0	91	92	2637059	bv	164	Acenaphthene-d10	40.0	I
16	22.34	0.91	1834	1	91	95	3844516	bv	172	2-Fluorobiphenyl	50.0	S
17	27.22	1.11	2322	0	85	95	408309	bv	330	2,4,6-Tribromophenol	50.0	S
18	22.04	0.90	1804	0	90	95	1031685	bv	196	2,4,6-Trichlorophenol	50.0	CC
19	22.15	0.90	1815	0	90	95	1047396	vv	196	2,4,5-Trichlorophenol	50.0	
20	25.19	1.02	2119	0	92	95	981276	bv	165	2,4-Dinitrotoluene	50.0	
21	29.58	1.20	2558	0	87	90	4126884	b?	188	Phenanthrene-d10	40.0	I
22	28.27	0.96	2427	0	82	88	1116070	vv	284	Hexachlorobenzene	50.0	
23	28.89	0.98	2489	0	78	93	299266	vv	266	Pentachlorophenol	50.0	CC
24	38.43	1.30	3443	0	79	83	2227213	b?	240	Chrysene-d12	40.0	I
25	34.83	0.91	3083	0	64	89	3599170	bv	244	Terphenyl-d14	50.0	S
26	43.45	1.13	3945	0	68	78	1352479	bv	264	Perylene-d12	40.0	I

QUAN DB : 4160K04 LAB-BASE QUAN 06/09/94 13:40

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.80	1.00	1080	0	93	95	1372961	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	10.94	0.74	694	0	95	96	963903	bv	112	2-Fluorophenol	20.0	S
3	13.57	0.92	957	-1	96	97	1268881	bv	99	Phenol-d5	20.0	S
4	7.17	0.48	317	-1	98	99	1225457	bv	79	Pyridine	20.0	
5	14.86	1.00	1086	0	94	95	1143439	bv	146	1,4-Dichlorobenzene	20.0	CC
6	15.47	1.05	1147	0	95	96	1029381	bv	108	2-Methyphenol	20.0	
7	15.54	1.08	1194	-2	95	96	2180245	bv	108	3 & 4-Methylphenol	40.0	
8	16.38	1.11	1238	-1	96	96	459555	bb	117	Hexachloroethane	20.0	
9	14.09	0.95	1009	-1	94	96	1001871	bv	132	2-Chlorophenol-d4	20.0	S
10	15.28	1.03	1128	0	93	95	713603	bv	152	1,2-Dichlorobenzene-d4	20.0	S
11	18.82	1.27	1482	0	93	95	5412238	bv	136	Naphthalene-d8	40.0	I
12	16.50	0.88	1250	-1	92	95	1178633	vv	82	Nitrobenzene-d5	20.0	S
13	16.57	0.88	1257	-1	94	95	1231489	vv	77	Nitrobenzene	20.0	
14	19.26	1.02	1526	0	92	95	420442	bb	225	Hexachlorobutadiene	20.0	CC
15	24.61	1.31	2061	0	91	92	2815156	bv	164	Acenaphthene-d10	40.0	I
16	22.33	0.91	1833	-1	91	95	1861434	bv	172	2-Fluorobiphenyl	20.0	S
17	27.22	1.11	2322	0	86	94	166939	bv	330	2,4,6-Tribromophenol	20.0	S
18	22.04	0.90	1804	0	91	95	478545	bv	196	2,4,6-Trichlorophenol	20.0	CC
19	22.15	0.90	1815	0	90	95	495005	vv	196	2,4,5-Trichlorophenol	20.0	
20	25.18	1.02	2118	-1	92	95	435239	bv	165	2,4-Dinitrotoluene	20.0	
21	29.58	1.20	2558	0	87	89	4720345	bv	188	Phenanthrene-d10	40.0	I
22	28.26	0.96	2426	-1	82	87	468540	bb	284	Hexachlorobenzene	20.0	
23	28.89	0.98	2489	0	76	90	75211	bv	266	Pentachlorophenol	20.0	CL
24	38.43	1.30	3443	0	79	82	2509190	b?	240	Chrysene-d12	40.0	I
25	34.83	0.91	3083	0	83	89	1557142	b?	244	Terphenyl-d14	20.0	S
26	43.46	1.13	3946	1	69	78	1477495	bv	264	Perylene-d12	40.0	I

QUAN DB : 4160K05 LAB-BASE QUAN 06/09/94 13:40

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.81	1.00	1081	1	93	96	1517694	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	10.94	0.74	694	-1	95	96	4185133	bv	112	2-Fluorophenol	80.0	S
3	13.59	0.92	959	0	96	97	5180510	bv	99	Phenol-d5	80.0	S
4	7.16	0.48	316	-2	98	99	5171136	b?	79	Pyridine	80.0	
5	14.86	1.00	1086	-1	94	95	4737684	bv	146	1,4-Dichlorobenzene	80.0	CC
6	15.48	1.05	1148	0	93	96	4426928	bv	108	2-Methyphenol	80.0	
7	15.97	1.08	1197	0	95	96	9150610	vv	108	3 & 4-Methylphenol	160.0	
8	16.39	1.11	1239	-1	96	96	1903699	bb	117	Hexachloroethane	80.0	
9	14.10	0.95	1010	-1	95	96	4310996	bb	132	2-Chlorophenol-d4	80.0	S
10	15.28	1.03	1128	-1	92	94	2913313	bv	152	1,2-Dichlorobenzene-d4	80.0	S
11	18.82	1.27	1482	-1	93	95	6152241	bb	136	Naphthalene-d8	40.0	I
12	16.52	0.88	1252	1	92	95	4897310	vv	82	Nitrobenzene-d5	80.0	S
13	16.59	0.88	1259	1	93	94	5135538	vv	77	Nitrobenzene	80.0	
14	19.26	1.02	1526	0	91	95	1662572	bb	225	Hexachlorobutadiene	80.0	CC
15	24.62	1.31	2062	1	90	91	3359621	bv	164	Acenaphthene-d10	40.0	I
16	22.34	0.91	1834	-1	91	95	7951483	bv	172	2-Fluorobiphenyl	80.0	S
17	27.22	1.11	2322	-1	87	94	791009	bv	330	2,4,6-Tribromophenol	80.0	S
18	22.05	0.90	1805	0	91	95	2125151	bv	196	2,4,6-Trichlorophenol	80.0	CC
19	22.16	0.90	1816	0	90	95	2189260	vv	196	2,4,5-Trichlorophenol	80.0	
20	25.20	1.02	2120	0	92	95	1979753	bv	165	2,4-Dinitrotoluene	80.0	
21	29.58	1.20	2558	-1	87	90	5325670	bv	188	Phenanthrene-d10	40.0	I
22	28.27	0.96	2427	0	82	87	2071511	bv	284	Hexachlorobenzene	80.0	
23	28.89	0.98	2489	0	80	92	689089	bv	266	Pentachlorophenol	80.0	CC
24	38.43	1.30	3443	0	78	81	2271804	b?	240	Chrysene-d12	40.0	I
25	34.84	0.91	3084	1	84	90	6317072	bv	244	Terphenyl-d14	80.0	S
26	43.46	1.13	3946	1	63	77	1235488	bv	264	Perylene-d12	40.0	I

QUAN DB : 4160K06 LAB-BASE QUAN 06/09/94 13:40

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.81	1.00	1081	1	91	96	1440800	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	10.94	0.74	694	-1	95	96	6195020	b?	112	2-Fluorophenol	120.0	S
3	13.60	0.92	960	1	96	96	7714458	bv	99	Phenol-d5	120.0	S
4	7.15	0.48	315	-3	98	98	7782016	b?	79	Pyridine	120.0	
5	14.86	1.00	1086	-1	94	95	7086047	bv	146	1,4-Dichlorobenzene	120.0	CC
6	15.48	1.05	1148	0	95	96	6717040	bv	108	2-Methyphenol	120.0	
7	15.96	1.08	1198	1	95	96	13171179	b?	108	3 & 4-Methylphenol	240.0	
8	16.39	1.11	1239	-1	95	96	2715468	bb	117	Hexachloroethane	120.0	
9	14.11	0.95	1011	0	94	96	6393399	bv	132	2-Chlorophenol-d4	120.0	S
10	15.28	1.03	1128	-1	92	94	4210639	bv	152	1,2-Dichlorobenzene-d4	120.0	S
11	18.82	1.27	1482	-1	93	96	5837429	bv	136	Naphthalene-d8	40.0	I
12	16.53	0.88	1252	2	91	95	7004530	vv	82	Nitrobenzene-d5	120.0	S
13	16.59	0.88	1259	1	94	95	6812681	bv	77	Nitrobenzene	120.0	
14	19.26	1.02	1526	0	91	95	2363316	bv	225	Hexachlorobutadiene	120.0	CC
15	24.61	1.31	2061	0	90	92	3148263	bv	164	Acenaphthene-d10	40.0	I
16	22.34	0.91	1834	0	91	95	11234873	bv	172	2-Fluorobiphenyl	120.0	S
17	27.22	1.11	2322	0	86	94	1122344	bv	330	2,4,6-Tribromophenol	120.0	S
18	22.05	0.90	1805	1	91	96	3113794	bv	196	2,4,6-Trichlorophenol	120.0	CC
19	22.16	0.90	1816	1	90	95	3226790	vv	196	2,4,5-Trichlorophenol	120.0	
20	25.20	1.02	2120	1	92	95	2870960	bv	165	2,4-Dinitrotoluene	120.0	
21	29.58	1.20	2558	0	87	90	4487209	bv	188	Phenanthrene-d10	40.0	I
22	28.28	0.96	2428	1	82	87	2907157	bv	284	Hexachlorobenzene	120.0	
23	28.90	0.98	2490	1	79	92	1099001	vv	266	Pentachlorophenol	120.0	CC
24	38.43	1.30	3443	0	79	84	2179974	b?	240	Chrysene-d12	40.0	I
25	34.84	0.91	3084	1	84	89	9586568	b?	244	Terphenyl-d14	120.0	S
26	43.47	1.13	3947	2	66	84	1144573	bv	264	Perylene-d12	40.0	I

QUAN DB : 4160R07 LAB-BASE QUAN 06/09/94 13:40

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	14.81	1.00	1081	1	91	96	1702009	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	10.95	0.74	695	0	95	96	9312105	bv	112	2-Fluorophenol	160.0	S
3	13.61	0.92	961	2	94	96	12062798	bv	99	Phenol-d5	160.0	S
4	7.17	0.48	317	-1	98	98	12141568	b?	79	Pyridine	160.0	
5	14.87	1.00	1087	0	94	95	10531802	bv	146	1,4-Dichlorobenzene	160.0	CC
6	15.49	1.05	1149	1	95	96	9929237	bv	108	2-Methyphenol	160.0	
7	16.00	1.08	1200	3	95	96	20073189	bv	108	3 & 4-Methylphenol	320.0	
8	16.40	1.11	1240	0	96	96	4060646	bb	117	Hexachloroethane	160.0	
9	14.11	0.95	1011	0	94	96	9632646	bv	132	2-Chlorophenol-d4	160.0	S
10	15.29	1.03	1129	0	93	94	6640137	bv	152	1,2-Dichlorobenzene-d4	160.0	S
11	18.83	1.27	1483	0	93	96	6520019	bv	136	Napnthalene-d8	40.0	I
12	16.54	0.88	1254	2	89	95	10632029	vv	82	Nitrobenzene-d5	160.0	S
13	16.61	0.88	1261	2	94	95	10593830	bv	77	Nitrobenzene	160.0	
14	19.27	1.02	1527	0	92	95	3557590	bb	225	Hexachlorobutadiene	160.0	CC
15	24.62	1.31	2062	0	91	92	3546576	bv	164	Acenaphthene-d10	40.0	I
16	22.35	0.91	1835	0	92	96	14900991	bv	172	2-Fluorobiphenyl	160.0	S
17	27.23	1.11	2323	0	87	95	1721643	bv	330	2,4,6-Tribromophenol	160.0	S
18	22.06	0.90	1806	1	91	96	4615456	bv	196	2,4,6-Trichlorophenol	160.0	CC
19	22.17	0.90	1817	1	90	95	4623552	vv	196	2,4,5-Trichlorophenol	160.0	
20	25.22	1.02	2122	2	92	95	4511674	bv	165	2,4-Dinitrotoluene	160.0	
21	29.59	1.20	2559	0	88	90	5405588	bv	188	Phenanthrene-d10	40.0	I
22	28.29	0.96	2429	1	83	88	3956758	bv	284	Hexachlorobenzene	160.0	
23	28.51	0.98	2491	1	80	92	2003752	vv	266	Pentachlorophenol	160.0	CC
24	38.44	1.30	3444	0	79	82	2518993	bv	240	Chrysene-d12	40.0	I
25	34.86	0.91	3086	2	84	90	13608378	bv	244	Terphenyl-d14	160.0	S
26	43.47	1.13	3947	1	67	78	1286557	b?	264	Perylene-d12	40.0	I

Interim Report LAB-BASE FIND 06/09/94 13:35

Raw Datafile : 4160K07 Quan DB : 4160K07
Find DB : TCLP8270 Scan DB :

No.	Spectrum MHI	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	UM	Compound Name
1	100	91	96	1	1702009	bb	1081	1080	152	1,4-Dichlorobenzene-d4
	72	93	95	49	6640137	bv	1129			
2	100	95	96	0	9312105	bv	695	695	112	2-Fluorophenol
3	100	94	96	2	12062798	bv	961	959	99	Phenol-d5
4	100	98	98	-1	12141568	b?	317	318	79	Pyridine
5	100	94	95	0	10531802	bv	1087	1087	146	1,4-Dichlorobenzene
6	100	95	96	1	9929237	bv	1149	1148	108	2-Methyphenol
7	100	95	96	3	20073189	bv	1200	1197	108	3 & 4-Methylphenol
8	100	96	96	0	4060646	bb	1240	1240	117	Hexachloroethane
9	100	94	96	0	9632646	bv	1011	1011	132	2-Chlorophenol-d4
10	100	93	94	0	6640137	bv	1129	1129	152	1,2-Dichlorobenzene-d4
11	100	93	96	0	6520019	bv	1483	1483	136	Naphthalene-d8
12	100	89	95	2	10632029	vv	1254	1252	82	Nitrobenzene-d5
13	100	94	95	2	10593830	bv	1261	1259	77	Nitrobenzene
14	100	92	95	0	3557590	bb	1527	1527	225	Hexachlorobutadiene
15	100	91	92	0	3546576	bv	2062	2062	164	Acenaphthene-d10
16	100	92	96	0	14900991	bv	1835	1835	172	2-Fluorobiphenyl
17	100	87	95	0	1721643	bv	2323	2323	330	2,4,6-Tribromophenol
18	100	91	96	1	4615456	bv	1806	1805	196	2,4,6-Trichlorophenol
19	100	90	95	1	4623552	vv	1817	1816	196	2,4,5-Trichlorophenol
20	100	92	95	2	4511674	bv	2122	2120	165	2,4-Dinitrotoluene
21	100	88	90	0	5405588	bv	2559	2559	188	Phenanthrene-d10
22	100	83	88	1	3956758	bv	2429	2428	284	Hexachlorobenzene
23	100	80	92	1	2003752	vv	2491	2490	266	Pentachlorophenol
24	100	79	82	0	2518993	bv	3444	3444	240	Chrysene-d12
25	97	84	90	2	13608378	bv	3086	3084	244	Terphenyl-d14
26	86	67	78	1	1286557	b?	3947	3946	264	Perylene-d12

Interim Report LAB-BASE FIND 06/09/94 09:24

Raw Datafile : 4160K03 Quan DB : 4160K03
Find DB : TCLP8270 Scan DB :

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	93	95	0	1112183	bv	1080	1080	152	1,4-Dichlorobenzene-d4
	73	93	95	48	1383435	bv	1128			
2	100	95	96	0	1818086	bv	694	694	112	2-Fluorophenol
3	100	96	97	0	2355085	bv	958	958	99	Phenol-d5
4	100	98	99	0	2271168	b?	318	318	79	Pyridine
5	100	94	95	0	2178085	bv	1086	1086	146	1,4-Dichlorobenzene
6	100	95	96	0	2040332	bv	1147	1147	108	2-Methyphenol
7	100	95	96	0	4214777	bv	1196	1196	108	3 & 4-Methylphenol
8	100	96	96	0	903734	bb	1239	1239	117	Hexachloroethane
9	100	94	96	0	1820726	bv	1010	1010	132	2-Chlorophenol-d4
10	100	92	94	0	1383435	bv	1128	1128	152	1,2-Dichlorobenzene-d4
11	100	93	96	0	4543938	bv	1482	1482	136	Naphthalene-d8
12	100	91	95	-1	2395700	vv	1251	1252	82	Nitrobenzene-d5
13	100	94	95	0	2538414	vv	1258	1258	77	Nitrobenzene
14	100	92	95	0	908239	bv	1526	1526	225	Hexachlorobutadiene
15	100	91	92	0	2637059	bv	2061	2061	164	Acenaphthene-d10
16	100	91	95	1	3844515	bv	1834	1833	172	2-Fluorobiphenyl
17	100	85	95	0	408309	bv	2322	2322	330	2,4,6-Tribromophenol
18	100	90	95	0	1031685	bv	1804	1804	196	2,4,6-Trichlorophenol
19	100	90	95	0	1047393	vv	1815	1815	196	2,4,5-Trichlorophenol
20	100	92	95	0	981276	bv	2119	2119	165	2,4-Dinitrotoluene
21	100	87	90	0	4126884	b?	2558	2558	188	Phenanthrene-d10
22	100	82	88	0	1116070	vv	2427	2427	284	Hexachlorobenzene
23	100	78	93	0	299266	vv	2489	2489	266	Pentachlorophenol
24	100	79	83	0	2227213	b?	3443	3443	240	Chrysene-d12
25	100	84	89	0	3599170	bv	3083	3083	244	Terphenyl-d14
26	91	68	78	0	1352479	bv	3945	3945	264	Perylene-d12

Interim Report LAB-BASE FIND 06/09/94 11:24

Raw Datafile : 4160K04 Quan DB : 4160K04
Find DB : TCLP8270 Scan DB :

No.	Spectrum MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	GM	Compound Name
1	100	93	95	0	1372961	bv	1080	1080	152	1,4-Dichlorobenzene-d4
	73	94	95	48	713603	bv	1128			
2	100	95	96	0	963903	bv	694	694	112	2-Fluorophenol
3	100	96	97	-1	1268881	bv	957	958	99	Phenol-d5
4	100	98	99	-1	1225457	bv	317	318	79	Pyridine
5	100	94	95	0	1143439	bv	1086	1086	146	1,4-Dichlorobenzene
6	100	95	96	0	1029381	bv	1147	1147	108	2-Methyphenol
7	100	95	96	-2	2180245	bv	1194	1196	108	3 & 4-Methylphenol
8	100	96	96	-1	459555	bb	1238	1239	117	Hexachloroethane
9	100	94	96	-1	1001871	bv	1009	1010	132	2-Chlorophenol-d4
10	100	93	95	0	713603	bv	1128	1128	152	1,2-Dichlorobenzene-d4
11	100	93	95	0	5412238	bv	1482	1482	136	Naphthalene-d8
12	100	92	95	-1	1178633	vv	1250	1251	82	Nitrobenzene-d5
13	100	94	95	-1	1231489	vv	1257	1258	77	Nitrobenzene
14	100	92	95	0	420442	bb	1526	1526	225	Hexachlorobutadiene
15	100	91	92	0	2815156	bv	2061	2061	164	Acenaphthene-d10
16	100	91	95	-1	1861434	bv	1833	1834	172	2-Fluorobiphenyl
17	100	86	94	0	166939	bv	2322	2322	330	2,4,6-Tribromophenol
18	100	91	95	0	478545	bv	1804	1804	196	2,4,6-Trichlorophenol
19	100	90	95	0	495005	vv	1815	1815	196	2,4,5-Trichlorophenol
20	100	92	95	-1	435239	bv	2118	2119	165	2,4-Dinitrotoluene
21	100	87	89	0	4720345	bv	2558	2558	188	Phenanthrene-d10
22	100	82	87	-1	468540	bb	2426	2427	284	Hexachlorobenzene
23	100	78	90	0	75211	bv	2489	2489	266	Pentachlorophenol
24	100	79	82	0	2509190	b?	3443	3443	240	Chrysene-d12
25	100	83	89	0	1557142	b?	3083	3083	244	Terphenyl-d14
26	87	69	78	1	1477495	bv	3946	3945	264	Perylene-d12

Interim Report LAB-BASE FIND 06/09/94 11:23

Raw Datafile : 4160K05 Quan DB : 4160K05
Find DB : TCLP8270 Scan DB :

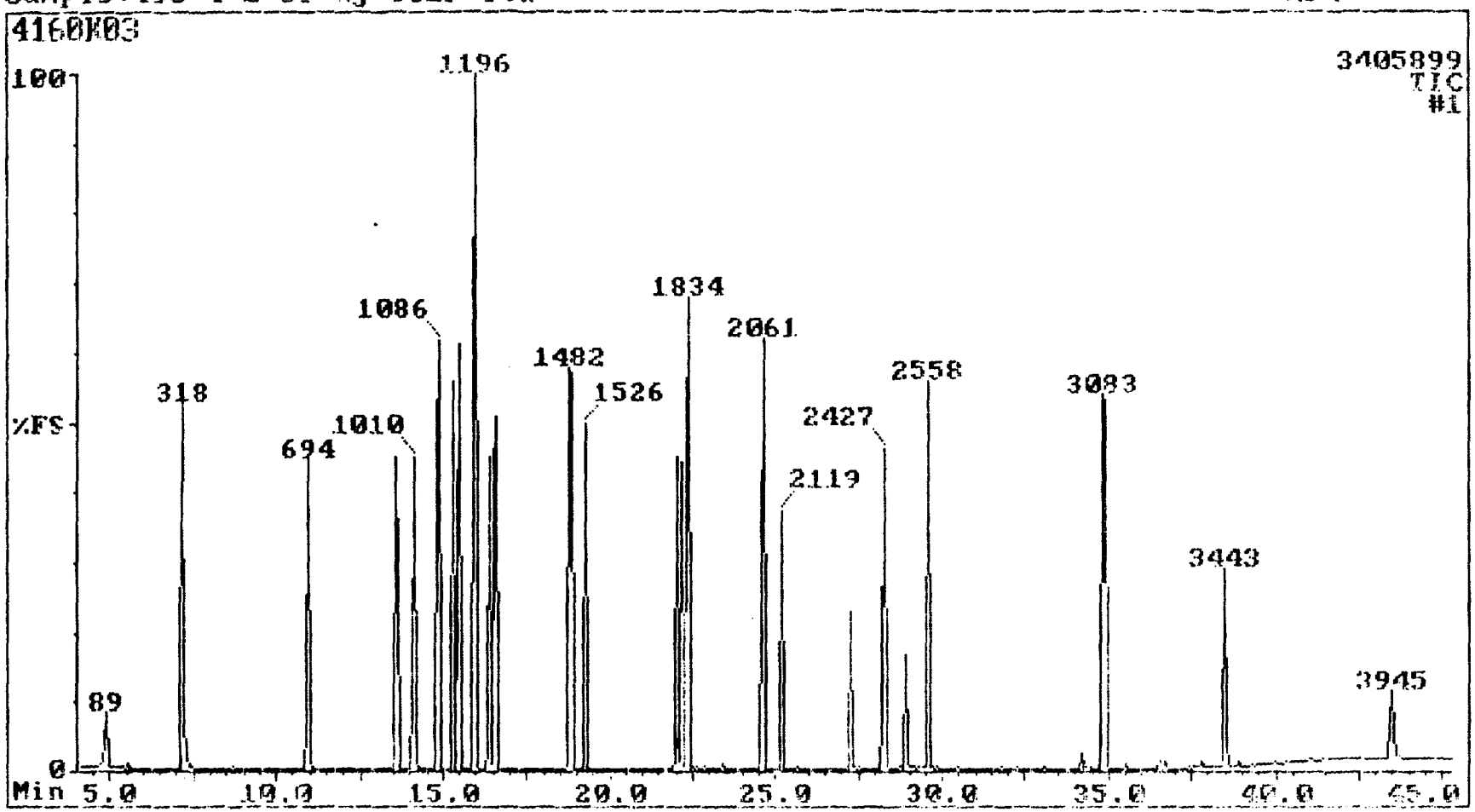
No.	Spectrum MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	93	96	1	1517694	bv	1081	1080	152	1,4-Dichlorobenzene-d4
	73	93	95	48	2913313	bv	1128			
2	100	95	96	-1	4185133	bv	694	695	112	2-Fluorophenol
3	100	96	97	0	5180510	bv	959	959	99	Phenol-d5
4	100	98	99	-2	5171136	bv	316	318	79	Pyridine
5	100	94	95	-1	4737684	bv	1086	1087	146	1,4-Dichlorobenzene
6	100	95	96	0	4426928	bv	1148	1148	108	2-Methyphenol
7	100	95	96	0	9150610	vv	1197	1197	108	3 & 4-Methylphenol
8	100	96	96	-1	1903699	bb	1239	1240	117	Hexachloroethane
9	100	95	96	-1	4310996	bb	1010	1011	132	2-Chlorophenol-d4
10	100	92	94	-1	2913313	bv	1128	1129	152	1,2-Dichlorobenzene-d4
11	100	93	95	-1	6152241	bb	1482	1483	136	Naphthalene-d8
12	100	92	95	1	4897310	vv	1252	1251	82	Nitrobenzene-d5
13	100	93	94	1	5135538	vv	1259	1258	77	Nitrobenzene
14	100	91	95	0	1662572	bb	1526	1526	225	Hexachlorobutadiene
15	100	90	91	1	3359621	bv	2062	2061	164	Acenaphthene-d10
16	100	91	95	-1	7951483	bv	1834	1835	172	2-Fluorobiphenyl
17	100	87	94	-1	791009	bv	2322	2323	330	2,4,6-Tribromophenol
18	100	91	95	0	2125151	bv	1805	1805	196	2,4,6-Trichlorophenol
19	100	90	95	0	2189260	vv	1816	1816	196	2,4,5-Trichlorophenol
20	100	92	95	0	1979753	bv	2120	2120	165	2,4-Dinitrotoluene
21	100	87	90	-1	5325670	bv	2558	2559	188	Phenanthrene-d10
22	100	82	87	0	2071511	bv	2427	2427	284	Hexachlorobenzene
23	100	80	92	0	689089	bv	2489	2489	266	Pentachlorophenol
24	99	78	81	0	2271804	bv	3443	3443	240	Chrysene-d12
25	100	84	90	1	6317072	bv	3084	3083	244	Terphenyl-d14
26	84	65	77	1	1235488	bv	3946	3945	264	Perylene-d12

Interim Report LAB-BASE FIND 06/09/94 13:01

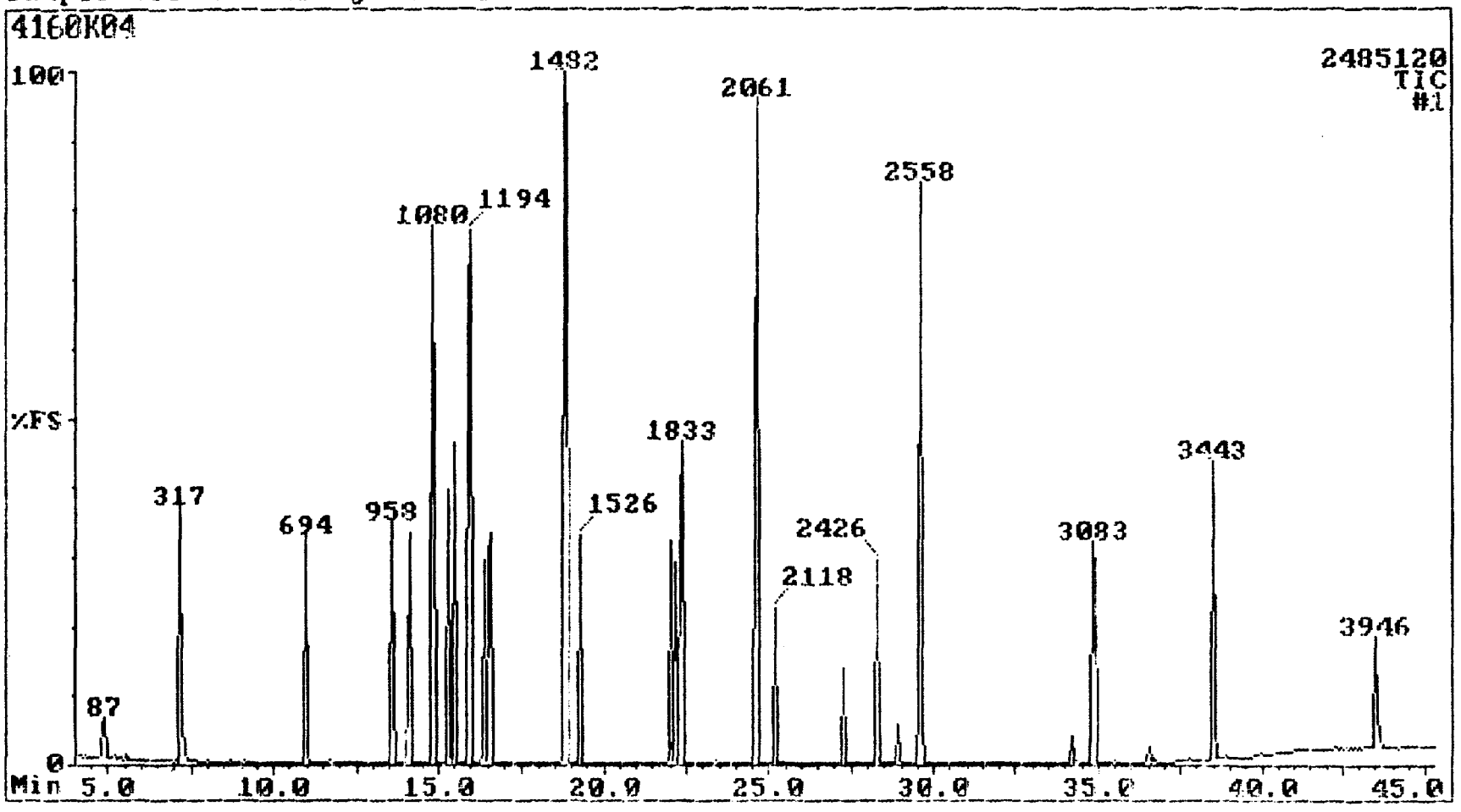
Raw Datafile : 4160K06 Quan DB : 4160K06
Find DB : TCLP8270 Scan DB :

No.	Spectrum MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	91	96	1	1440800	bv	1081	1080	152	1,4-Dichlorobenzene-d4
	73	93	95	48	4210639	bv	1123			
2	100	95	96	-1	6195020	b?	694	695	112	2-Fluorophenol
3	100	96	96	1	7714458	bv	960	959	99	Phenol-d5
4	100	98	98	-3	7782016	b?	315	318	79	Pyridine
5	100	94	95	-1	7086047	bv	1086	1087	146	1,4-Dichlorobenzene
6	100	95	96	0	6717040	bv	1148	1148	106	2-Methyphenol
7	100	95	96	1	13171179	b?	1198	1197	108	3 & 4-Methylphenol
8	100	95	96	-1	2715468	bb	1239	1240	117	Hexachloroethane
9	100	94	96	0	6393399	bv	1011	1011	132	2-Chlorophenol-d4
10	100	92	94	-1	4210639	bv	1128	1129	152	1,2-Dichlorobenzene-d4
11	100	93	96	-1	5837429	bv	1482	1483	136	Naphthalene-d8
12	100	91	95	2	7004530	vv	1253	1251	82	Nitrobenzene-d5
13	100	94	95	1	6812661	bv	1259	1258	77	Nitrobenzene
14	100	91	95	0	2363316	bv	1526	1526	225	Hexachlorobutadiene
15	100	90	92	0	3148263	bv	2061	2061	164	Acenaphthene-d10
16	100	91	95	0	11234873	bv	1834	1834	172	2-Fluorobiphenyl
17	100	86	94	0	1122344	bv	2322	2322	330	2,4,6-Tribromophenol
18	100	91	96	1	3113794	bv	1805	1804	196	2,4,6-Trichlorophenol
19	100	90	95	1	3226790	vv	1816	1815	196	2,4,5-Trichlorophenol
20	100	92	95	1	2870960	bv	2120	2119	165	2,4-Dinitrotoluene
21	100	87	90	0	4487209	bv	2558	2558	188	Phenanthrene-d10
22	100	82	87	1	2907157	bv	2426	2427	284	Hexachlorobenzene
23	100	79	92	1	1099001	vv	2490	2489	266	Pentachlorophenol
24	100	79	84	0	2179974	b?	3443	3443	240	Chrysene-d12
25	100	64	89	1	9586568	b?	3084	3083	244	Terphenyl-d14
26	64	66	84	2	1144573	bv	3947	3945	264	Perylene-d12

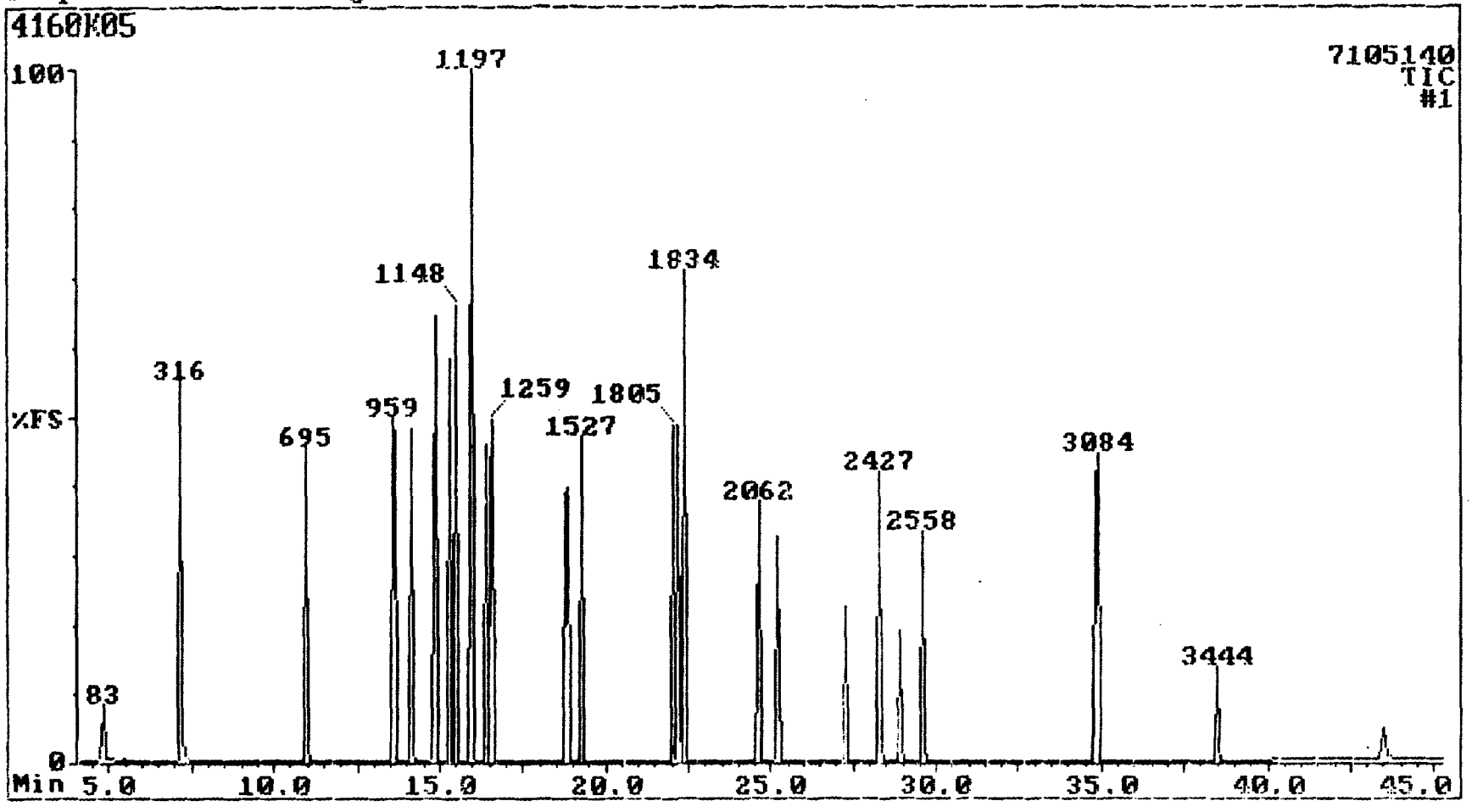
File:4160K03 06/09/94 08:40 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:496-4-2 50 ng TCLP Std HPN:



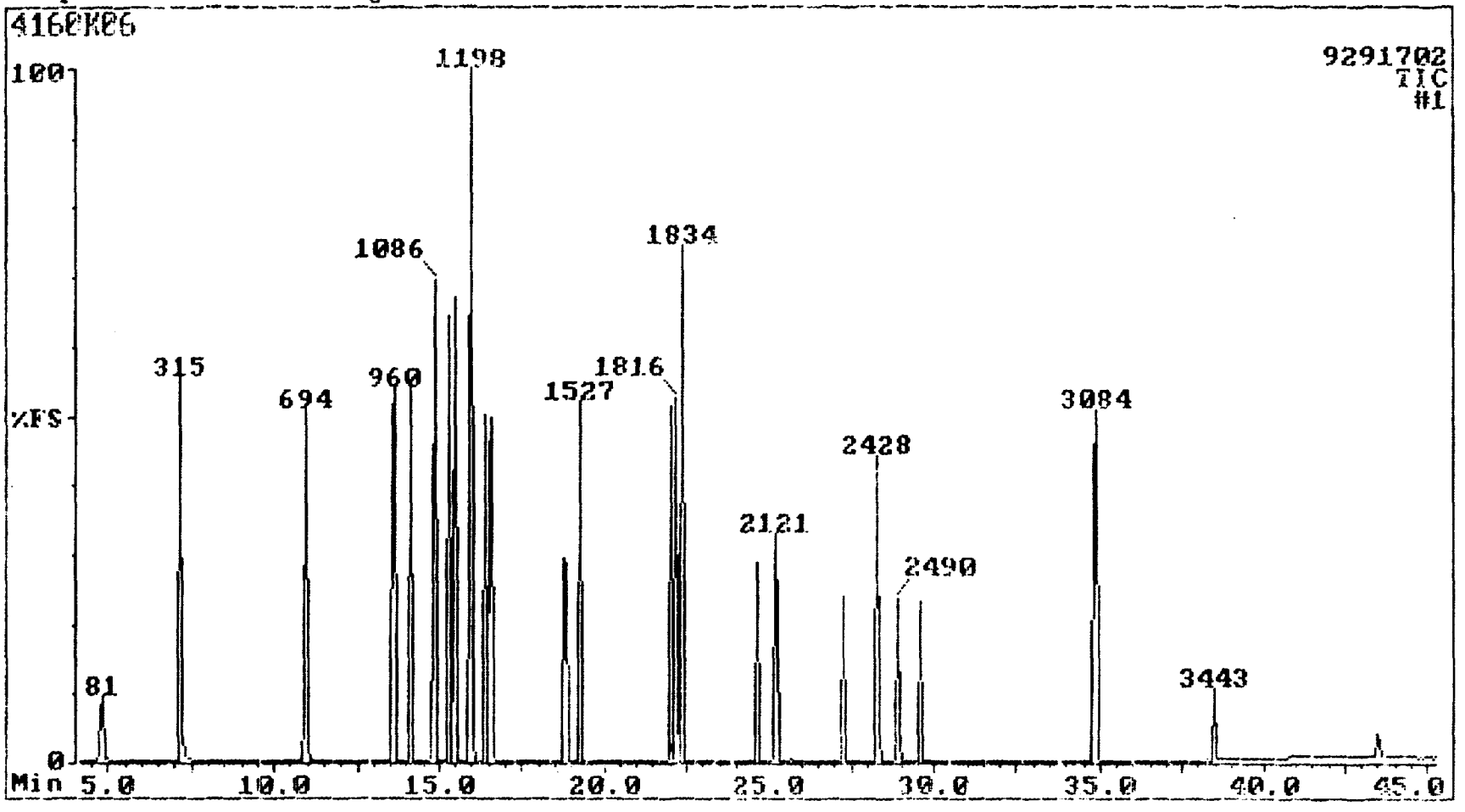
File:4160K04 06/09/94 09:36 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:496-4-1 20 ng TCLP Std HPN:



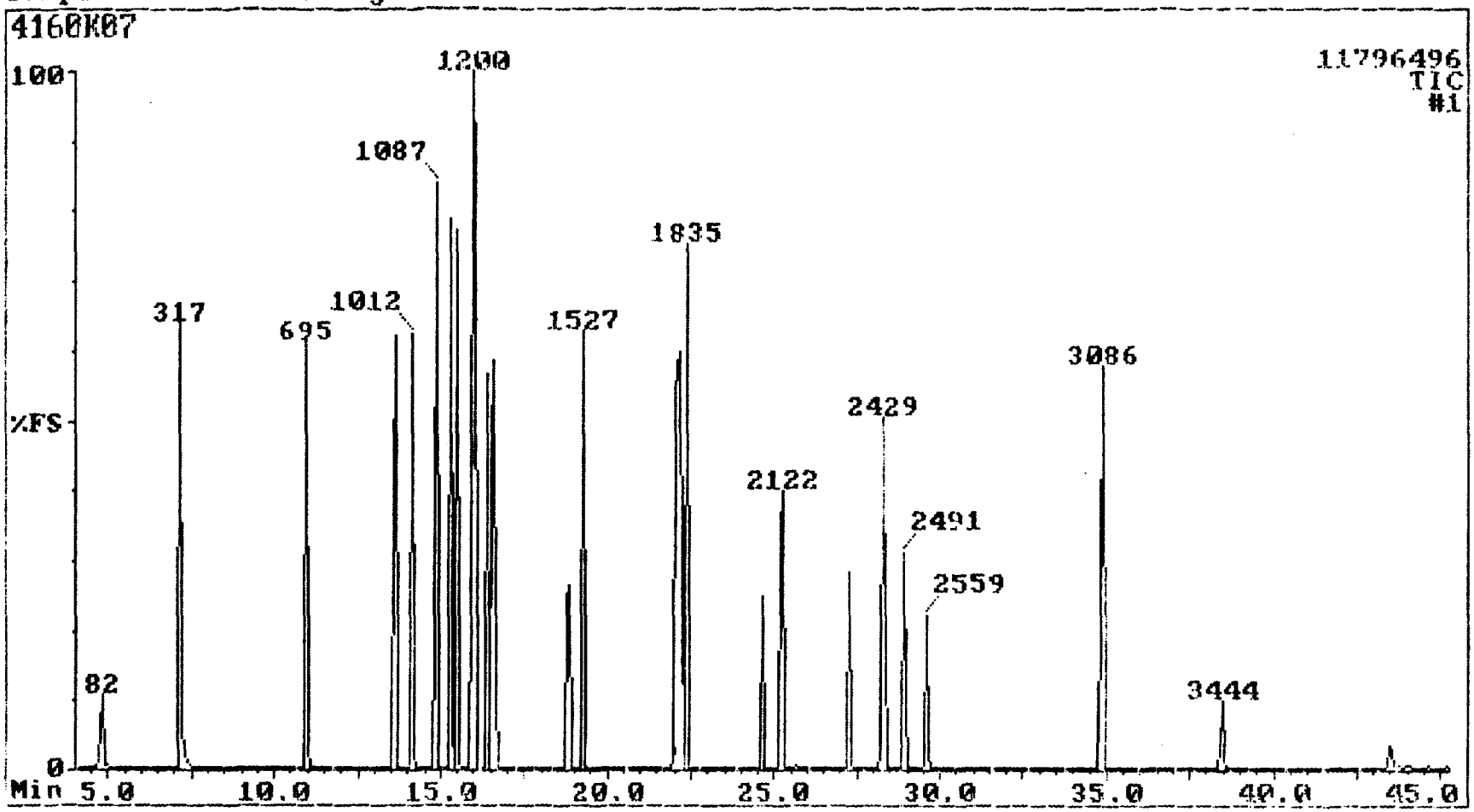
File:4160K05 06/09/94 10:32 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:496-4-3 89 ng TCLP Std HPN:



File:4160K06 06/09/94 11:28 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:496-4-4 120 ng TCLP Std HPN:



File:4160K07 06/09/94 12:23 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:496-4-4 160 ng TCLP Std HPN:



Xit Hcpy ? Other. GC INLET EDITOR File: BNA

SD Sample Description
496-4-2 50 ng TCLP Std
CO Conditions DB-5 30m x 0.25mm id x 1um film, 2uL inj

DU Duration (mins)	0.00	MSM	MS Mode	SCN
SO Solvent delay	4.0	MSF	MS Filename	BNA

JI Job Identifier				
TI Task Identifier				
UN User Name	DPZ	ST	Store oven Temperature	NO
IN Instrument Name	VGTrio2C	ECS	External Contact Start	YES
LN Laboratory Name	TCT St Paul			

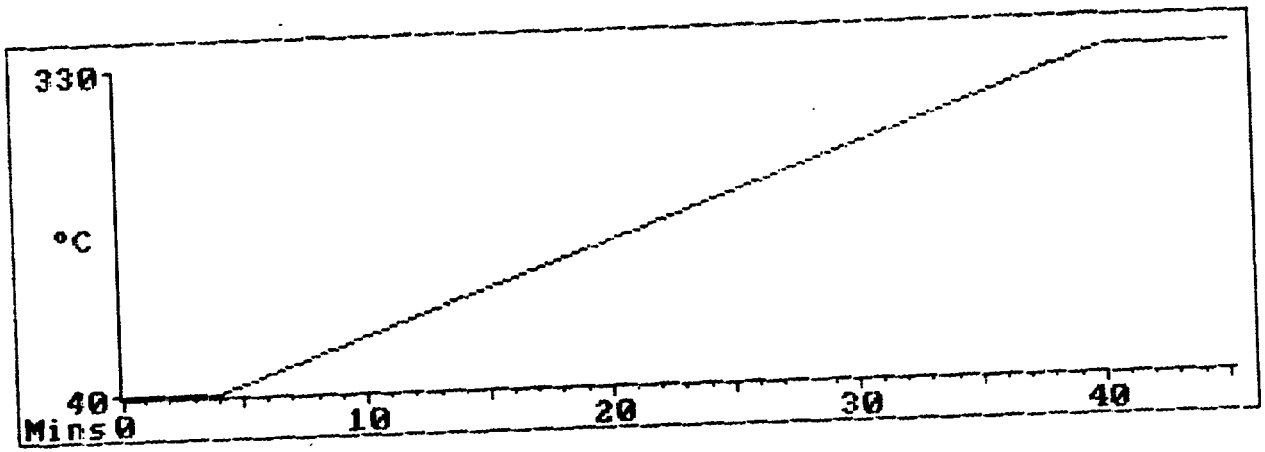
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Xit Hcpy ? Other

GC INLET EDITOR

File: BNA

1st ramp		2nd ramp		3rd ramp		4th ramp	
1T Temperature	40	2T Temperature	330	3T Temperature	0	4T Temperature	0
1M Minutes	4.00	2M Minutes	5.00	3M Minutes	0.00	4M Minutes	0.00
1R Rate	8.0	2R Rate	0.0	3R Rate	0.0		



Signals

SS1 Select	0
SR1 Range	0
SA1 Atten.	0
SZ1 Zero	0.0
SS2 Select	0
SR2 Range	0
SA2 Atten.	0
SZ2 Zero	0.0

Colors

CA Axes	8
CS Scale	13
CR Ramp	11

Purge valve

PS Purge State	ON
PF Mins off	0.00
PN Mins on	1.00

Injectors

IA Temperature	0
IB Temperature	250

General

GO Oven max	340
GC Cryogenic	NO
GE Eq mins	0.50
GV Dump Valve	NO
GD Detectors	NO

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Xit Hcpy ? SCAN EDITOR File: BNA

SD Sample Description
HEPTACOSA, Dynamic Calibration Scan

DU Duration (mins)	0.25	A1 Analog channel 1	OFF
UN User Name	DPZ	A2 Analog channel 2	OFF
IM Ionization Mode	EI+	A3 Analog channel 3	OFF
IN Instrument Name	VGTrio2C	A4 Analog channel 4	OFF
LN Laboratory Name	TCT St Paul		

Scanning Control Parameters

	Start mass	End mass	Scan time	Interscan time
SE SEgment	35	500	0.50	0.10

SW-846 DFTPP TUNE CHECK REPORT

Datafile : 4160K02

Date : 06/09/94
Time : 08:19

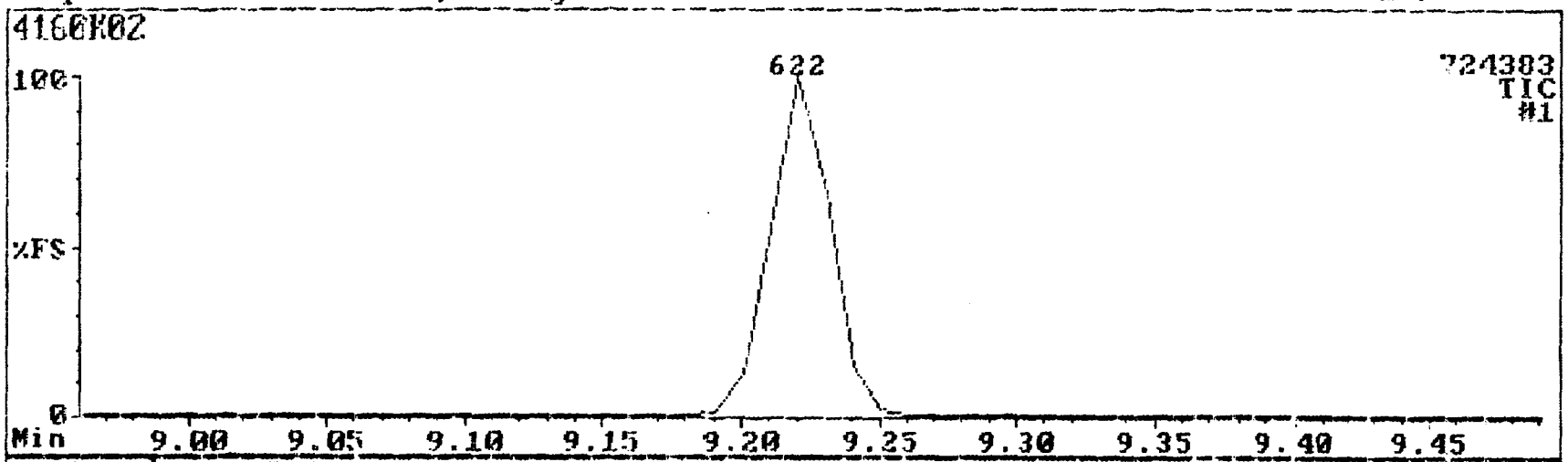
M/E	ION ABUNDANCE CRITERIA	ABUNDANCE	TUNE
51	30.0 - 60.0% of mass 198	30.94	PASS
68	Less than 2.0% of mass 69	0.00(0.0)1	PASS
69	Mass 69 relative abundance	13.44	PASS
70	Less then 2.0% of mass 69	0.08(0.6)1	PASS
127	40.0 - 60.0% of mass 198	48.75	PASS
197	Less than 1% of mass 198	0.00	PASS
198	Base peak, 100% relative abundance	100.00	PASS
199	5 - 9% of mass 198	6.41	PASS
275	10 - 30% of mass 198	21.56	PASS
365	greater than 1.0% of mass 198	1.41	PASS
441	Present, but less then mass 443	10.94	PASS
442	greater than 40.0% of mass 198	90.00	PASS
443	17.0 - 23.0% of mass 442	17.50(19.4)2	PASS

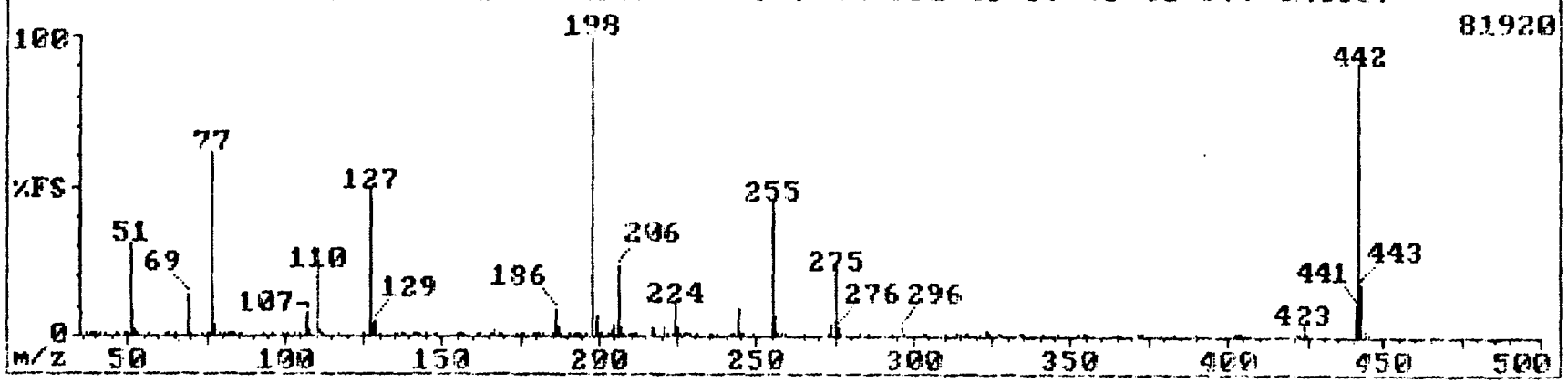
✓ gnm
06/10/94

4160K02'622 (5.221) COMBINE:(621 to 623)-((612 to 0)+(0 to 0))*1.000) 61920

Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int
36	296	0.36	86	96	0.12	157	53	0.06	206	18944	23.13	257	396	0.48	341	196	0.24
38	148	0.18	93	77	0.09	161	348	0.42	207	2656	3.24	258	660	0.81	346	212	0.27
39	788	0.96	96	135	0.16	162	39	0.05	208	256	0.31	259	61	0.07	352	460	0.59
40	101	0.12	99	139	0.17	166	72	0.09	209	177	0.22	265	174	0.21	353	284	0.35
41	75	0.09	101	612	0.75	167	1264	1.54	210	104	0.13	273	1072	1.31	354	588	0.72
43	36	0.04	103	30	0.04	168	596	0.73	211	456	0.56	274	3008	3.67	355	131	0.16
47	42	0.05	105	71	0.09	169	124	0.15	212	33	0.04	275	17664	21.56	365	1152	1.41
49	12	0.01	107	6208	7.58	174	201	0.25	217	2048	2.50	276	2336	2.85	366	176	0.21
50	812	0.99	108	1424	1.74	175	892	1.09	218	376	0.46	277	646	0.79	371	75	0.09
51	25344	30.94	110	17920	21.88	176	78	0.10	221	2128	2.60	278	35	0.04	372	812	0.99
52	1296	1.58	111	1680	2.05	179	726	0.89	222	218	0.27	283	35	0.04	373	216	0.26
53	81	0.10	112	48	0.06	180	1120	1.37	223	592	0.72	285	165	0.20	383	240	0.29
57	1088	1.33	117	179	0.22	181	672	0.82	224	8448	10.31	293	316	0.39	390	56	0.07
62	32	0.04	125	80	0.10	182	29	0.04	225	2144	2.62	296	2160	2.64	402	336	0.41
63	136	0.17	127	39936	46.75	185	368	0.45	226	260	0.32	297	312	0.38	403	512	0.63
65	940	1.15	128	2816	3.44	186	7424	9.06	227	1056	1.29	303	380	0.46	404	126	0.15
69	11008	13.44	129	3824	4.67	187	2192	2.68	228	106	0.13	304	45	0.05	421	528	0.64
70	64	0.08	130	268	0.33	188	256	0.31	229	580	0.71	310	41	0.05	422	420	0.51
73	103	0.13	135	300	0.37	191	36	0.05	231	324	0.40	314	100	0.12	423	3344	4.08
74	73	0.09	136	86	0.10	192	238	0.29	235	131	0.16	315	244	0.30	424	556	0.68
75	820	1.00	137	212	0.26	193	520	0.63	236	47	0.06	316	233	0.28	441	8960	10.94
76	1104	1.35	138	74	0.09	194	127	0.16	237	242	0.30	317	43	0.05	442	73728	90.00
77	50176	61.25	141	146	0.18	196	764	0.93	242	332	0.41	321	48	0.06	443	14336	17.50
78	3456	4.22	142	31	0.04	198	81920	100.00	243	416	0.51	323	1376	1.68	444	1312	1.60
79	208	0.25	143	43	0.05	199	5248	6.41	244	7424	9.06	324	236	0.29	445	92	0.11
81	352	0.43	145	30	0.04	200	384	0.47	245	932	1.14	327	129	0.16			
82	82	0.10	147	171	0.21	201	136	0.17	246	372	0.45	328	62	0.08			
83	756	0.92	148	138	0.17	203	33	0.04	249	254	0.31	333	43	0.05			
84	44	0.05	155	229	0.28	204	1296	1.58	255	36352	44.38	334	896	1.09			
85	32	0.04	156	1088	1.33	205	3168	3.87	256	5312	6.48	335	296	0.36			

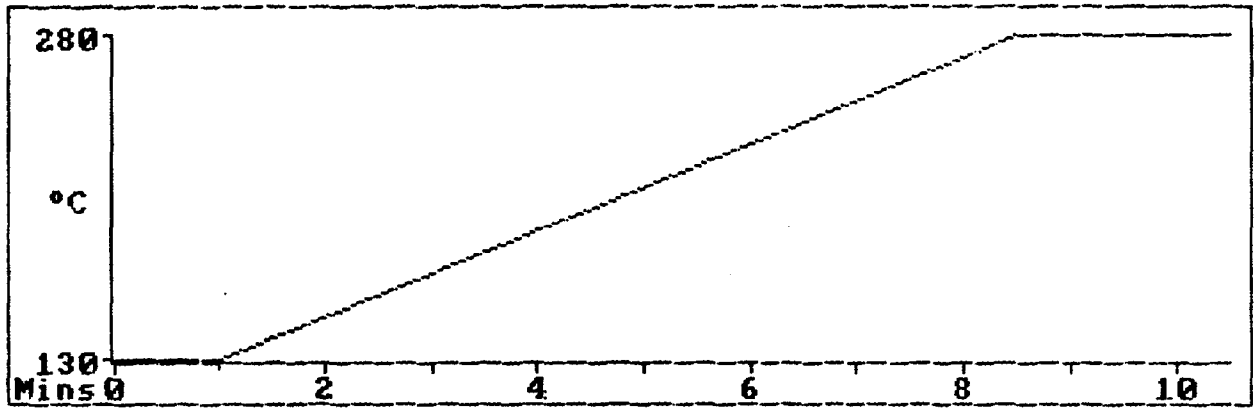
File:4160K02 06/09/94 08:19 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:496-51-1 vial 4, 50 ng DFTPP HPN:





Xit Hcpy ? Other GC INLET EDITOR File: DFTPP

1st ramp		2nd ramp		3rd ramp		4th ramp	
1T Temperature	130	2T Temperature	280	3T Temperature	0	4T Temperature	0
1M Minutes	1.00	2M Minutes	2.00	3M Minutes	0.00	4M Minutes	0.00
1R Rate	20.0	2R Rate	0.0	3R Rate	0.0		



Signals	
SS1 Select	0
SR1 Range	0
SA1 Atten.	0
SZ1 Zero	0.0
SS2 Select	0
SR2 Range	0
SA2 Atten.	0
SZ2 Zero	0.0

Colors		Purge valve		Injectors	
CA Axes	8	PS Purge State	ON	IA Temperature	0
CS Scale	13	PF Mins off	0.00	IB Temperature	250
CR Ramp	11	PN Mins on	1.00		

General	
GO Oven max	325
GC Cryogenic	NO
GE Eq mins	0.50
GV Dump Valve	NO
GD Detectors	NO

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Xit Hcpy ? Other GC INLET EDITOR File: DFTPP

SD Sample Description
496-51-1 vial 4, 50 ng DFTPP
CO Conditions DB5.625 30m x 0.25mm id x 1um film, 2uL

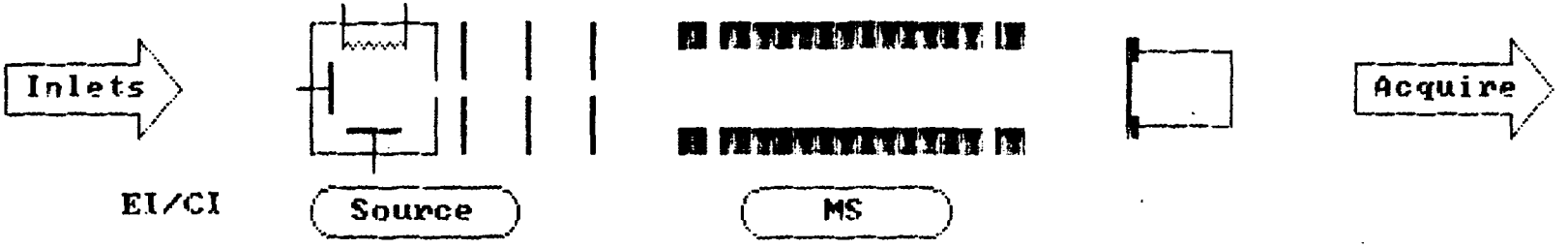
DU Duration (mins)	0.00	MSM MS Mode	SCN
SO Solvent delay	3.0	MSF MS Filename	BNA

JI Job Identifier			
TI Task Identifier			
UN User Name	DPZ	ST Store oven Temperature	NO
IN Instrument Name	VGTrio2C	ECS External Contact Start	YES
LN Laboratory Name	TCT St Paul		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

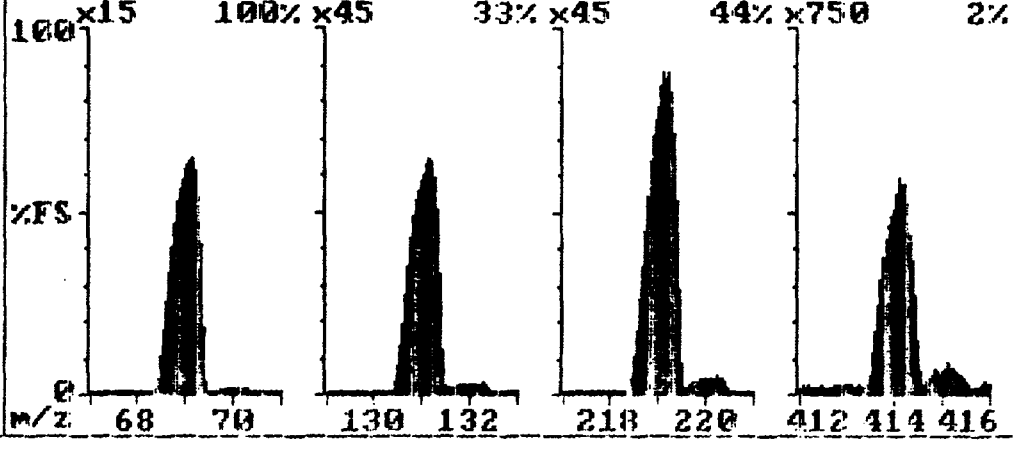
Xit Hcpy ? Rd T TUNE EDITOR Ion mode: EI+ File: LAB_BASE

Temperature (°C): Source 249 GC line 250 Jet 400



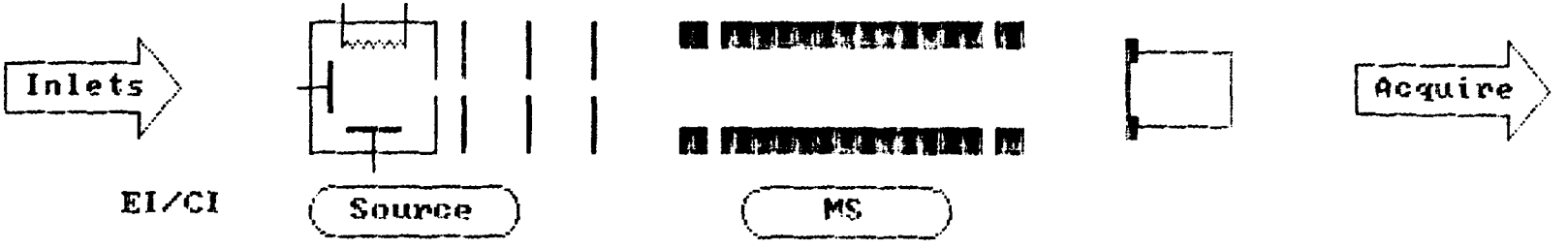
TU	Tuning	INLETS
IT	250	
DC	0	
JT	0	

Peak		Center	Span	Gain
P1	ON	69.00	4	15
P2	ON	131.00	4	45
P3	ON	219.00	4	45
P4	ON	414.00	4	750



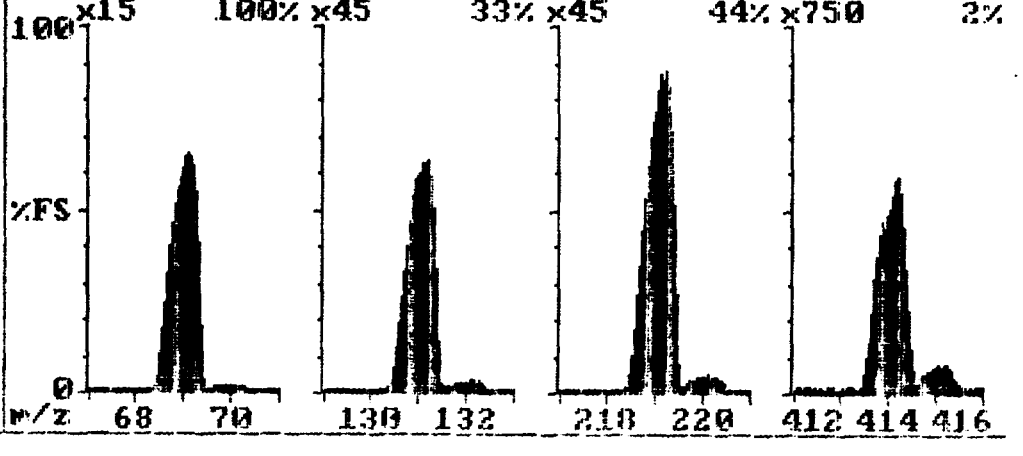
Xit Hcpy ? Rd T TUNE EDITOR Ion mode: EI+ File: LAB_BASE

Temperature (°C): Source 249 GC line 249 Jet 400



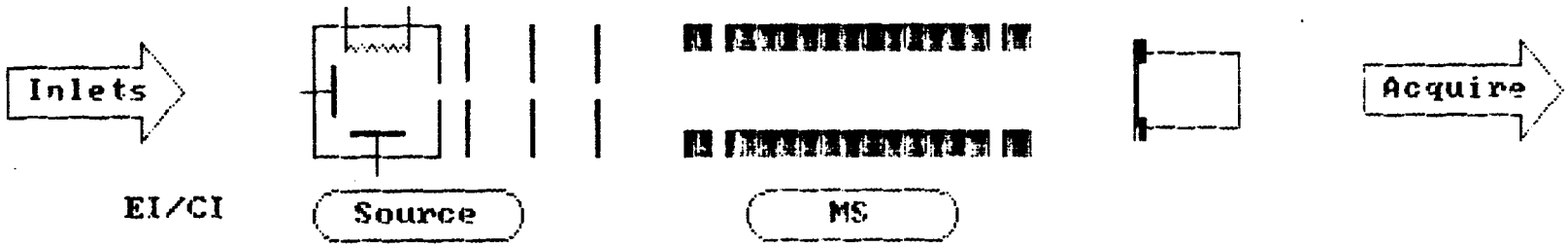
TU	Tuning	MS
IE	1.5	
ER	12.0	
RL	10.0	
RH	8.5	
MU	650	

Peak		Center	Span	Gain
P1	ON	69.00	4	15
P2	ON	131.00	4	45
P3	ON	219.00	4	45
P4	ON	414.00	4	750



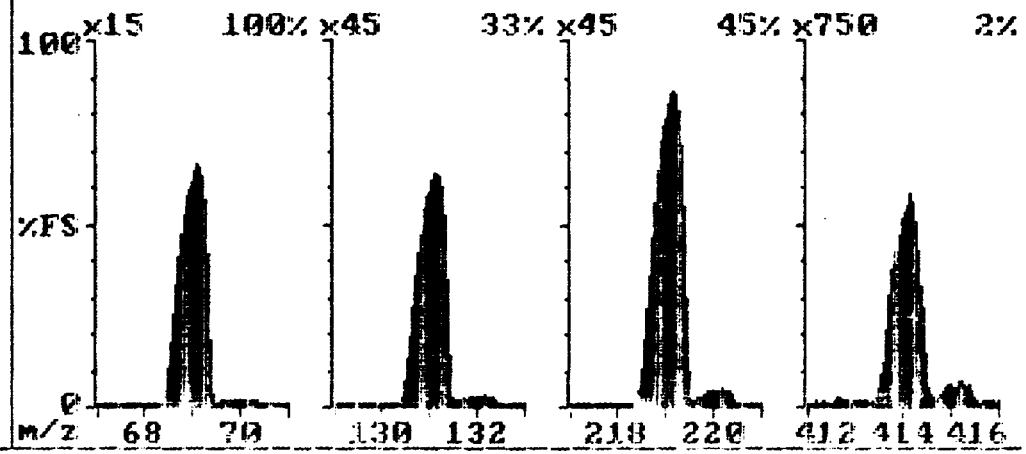
Xit Hcpy ? Rd T TUNE EDITOR Ion mode: EI+ File: LAB_BASE

Temperature (°C): Source 249 GC line 251 Jet 400

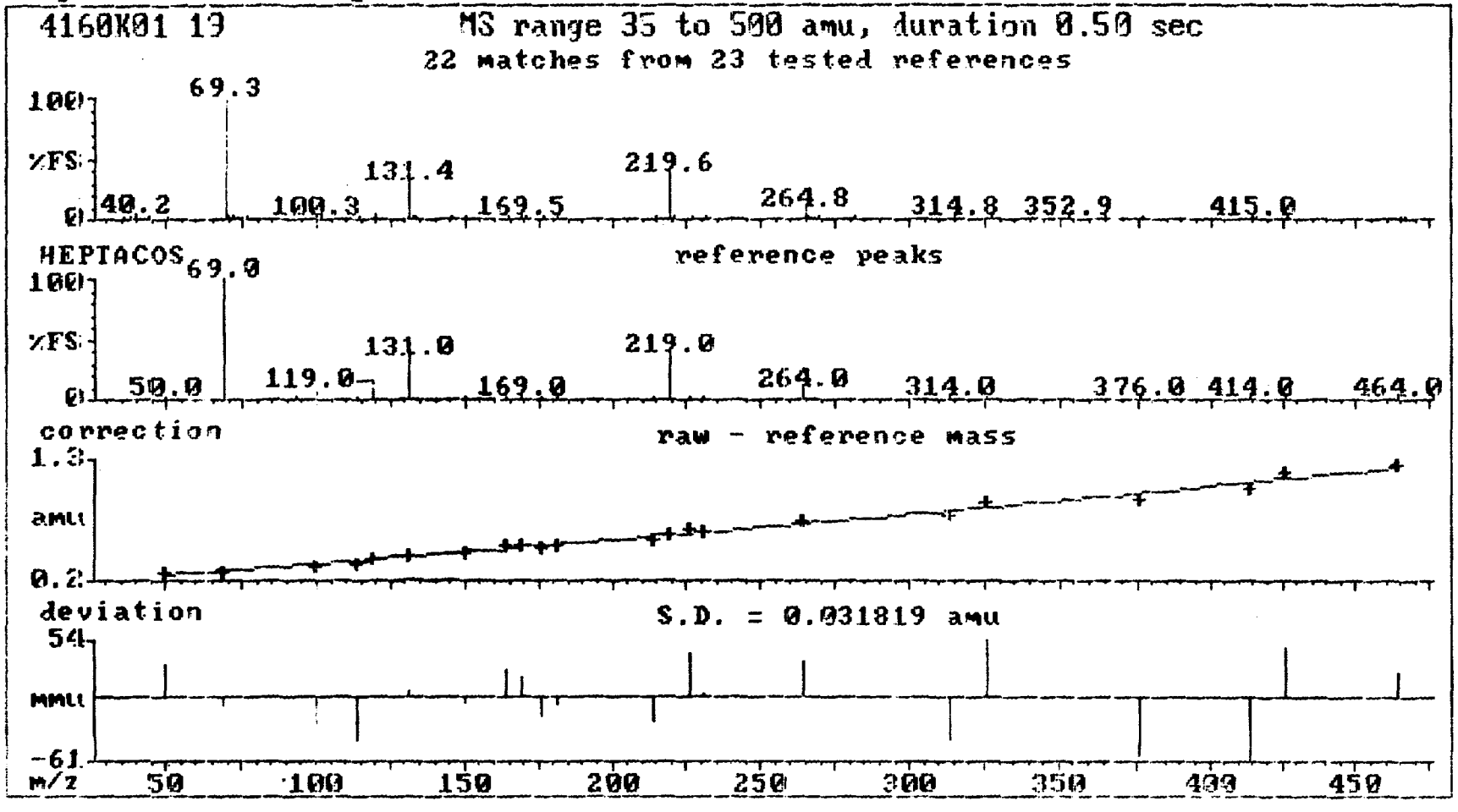


TU	Tuning	SOURCE
ST	250	
EE	70	
EC	50	
IR	1.0	
IX	80	
IF	33	
F3	10	
PT	0	
RG	ON	

Peak		Center	Span	Gain
P1	ON	69.00	4	15
P2	ON	131.00	4	45
P3	ON	219.00	4	45
P4	ON	414.00	4	750



File:4160K01 06/09/94 08:16 Lab:TCT St Paul Instrument:VGTrio2C DPZ
Sample:HEPTACOSA, Dynamic Calibration Scan HPN:



Xit Hcpy ? SCAN EDITOR File: BNA

SD Sample Description
HEPTACOSA, Dynamic Calibration Scan

DU Duration (mins)	0.25	A1 Analog channel 1	OFF
UN User Name	DPZ	A2 Analog channel 2	OFF
IM Ionization Mode	EI+	A3 Analog channel 3	OFF
IN Instrument Name	VGTrio2C	A4 Analog channel 4	OFF
LN Laboratory Name	TCT St Paul		

Scanning Control Parameters

	Start mass	End mass	Scan time	Interscan time
SE SEgment	35	500	0.50	0.10

3C

LEACH SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spiked: QD1

HPN:	HSN:	QD1	QD1 MS	QD1 MSD
INST: VGTRIO2C	Filename:	4157K16	4160K13	4160K14
	Date Extracted:	06/05/94	06/08/94	06/08/94
	Date Analyzed:	06/06/94	06/09/94	06/09/94

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Pyridine	330	0	170	52	35-130
1,4-Dichlorobenzene	330	0	160	48	36- 97
o-Cresol	330	0	240	73	27-123
m- and/or p-Cresol	650	0	440	68	35-130
Hexachloroethane	330	0	140	42	35-130
Nitrobenzene	330	0	270	82	35-130
Hexachloro-1,3-butadien	330	0	150	45	35-130
2,4,6-Trichlorophenol	330	0	300	91	35-130
2,4,5-Trichlorophenol	330	0	300	91	35-130
2,4-Dinitrotoluene	330	0	310	94	24- 96
Hexachlorobenzene	330	0	290	88	35-130
Pentachlorophenol	330	0	580	176 *	9 -103

(Continued)

3C

LEACH SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY (Continued)

Matrix Spiked: QD1

HPN:	HSN:	QD1	QD1 MS	QD1 MSD
INST: VGTRIO2C	Filename:	4157K16	4160K13	4160K14
	Date Extracted:	06/05/94	06/08/94	06/08/94
	Date Analyzed:	06/06/94	06/09/94	06/09/94

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Pyridine	330	170	52	1	35	35-130
1,4-Dichlorobenzene	330	170	52	7	28	36- 97
o-Cresol	330	240	73	0	40	27-123
m- and/or p-Cresol	650	430	66	3	35	35-130
Hexachloroethane	330	160	48	12	35	35-130
Nitrobenzene	330	280	85	4	35	35-130
Hexachloro-1,3-butadien	330	160	48	5	35	35-130
2,4,6-Trichlorophenol	330	290	88	3	35	35-130
2,4,5-Trichlorophenol	330	320	97	6	35	35-130
2,4-Dinitrotoluene	330	310	94	0	38	24- 96
Hexachlorobenzene	330	310	94	7	35	35-130
Pentachlorophenol	330	740	224 *	24	50	9 -103

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

RPD: 0 out of 12 outside limits
Spike Recovery: 2 out of 24 outside limits

COMMENTS: _____

EPA METHOD 8270
TCLP SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID:	BLANK	Lab ID (HSN):	BLANK
Matrix:	LEACH	Filename:	4160K08
Date Sampled:		Sample Size:	200 mL
Date Received:		Extract Vol.:	1000 uL
Date Extracted:	06/08/94	Dil. Factor:	1
Date Analyzed:	06/09/94		
Date Leached:			

Compounds:	ug/L (PPB)	EQL
Pyridine	50 U	50
1,4-Dichlorobenzene	50 U	50
o-Cresol	50 U	50
m- and/or p-Cresol	50 U	50
Hexachloroethane	50 U	50
Nitrobenzene	50 U	50
Hexachloro-1,3-butadiene	50 U	50
2,4,6-Trichlorophenol	50 U	50
2,4,5-Trichlorophenol	130 U	130
2,4-Dinitrotoluene	50 U	50
Hexachlorobenzene	50 U	50
Pentachlorophenol	130 U	130

Surrogate Recovery		QC LIMITS
2-Fluorophenol	59%	21-110%
Phenol-d5	36%	10-110%
2-Chlorophenol-d4	88%	33-110%
1,2-Dichlorobenzene-d4	54%	16-110%
Nitrobenzene-d5	84%	35-114%
2-Fluorobiphenyl	69%	43-116%
2,4,6-Tribromophenol	74%	10-123%
Terphenyl-d14	101%	33-141%

TCLP = Toxicity Characteristic Leaching Procedure
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank

Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

HPN:

EPA METHOD 8270
TCLP SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID:	LAB SPIKE	Lab ID (HSN):	LAB SPIKE
Matrix:	LEACH	Filename:	4160K11
Date Sampled:		Sample Size:	200 mL
Date Received:		Extract Vol.:	1000 uL
Date Extracted:	06/08/94	Dil. Factor:	1
Date Analyzed:	06/09/94		
Date Leached:			

Compounds:	ug/L (PPB)	EQL
Pyridine	180	50
1,4-Dichlorobenzene	160	50
o-Cresol	250	50
m- and/or p-Cresol	460	50
Hexachloroethane	140	50
Nitrobenzene	300	50
Hexachloro-1,3-butadiene	160	50
2,4,6-Trichlorophenol	270	50
2,4,5-Trichlorophenol	270	130
2,4-Dinitrotoluene	270	50
Hexachlorobenzene	320	50
Pentachlorophenol	460 E	130

Surrogate Recovery		QC LIMITS
2-Fluorophenol	55%	21-110%
Phenol-d5	36%	10-110%
2-Chlorophenol-d4	84%	33-110%
1,2-Dichlorobenzene-d4	55%	16-110%
Nitrobenzene-d5	85%	35-114%
2-Fluorobiphenyl	59%	43-116%
2,4,6-Tribromophenol	86%	10-123%
Terphenyl-d14	102%	33-141%

TCLP = Toxicity Characteristic Leaching Procedure
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank

Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

HPN:

EPA METHOD 8270

Huntingdon

TCLP SEMIVOLATILE ORGANIC COMPOUND RESULTS

Client ID:	QD1 MS	Lab ID (HSN):	QD1 MS
Matrix:	LEACH	Filename:	4160K13
Date Sampled:	05/27/94	Sample Size:	200 mL
Date Received:	05/31/94	Extract Vol.:	1000 uL
Date Extracted:	06/08/94	Dil. Factor:	1
Date Analyzed:	06/09/94		
Date Leached:	06/02/94		

Compounds:	ug/L (PPB)	EQL
Pyridine	170	50
1,4-Dichlorobenzene	160	50
o-Cresol	240	50
m- and/or p-Cresol	440	50
Hexachloroethane	140	50
Nitrobenzene	270	50
Hexachloro-1,3-butadiene	150	50
2,4,6-Trichlorophenol	300	50
2,4,5-Trichlorophenol	300	130
2,4-Dinitrotoluene	310	50
Hexachlorobenzene	290	50
Pentachlorophenol	580 E	130

Surrogate Recovery		QC LIMITS
2-Fluorophenol	50%	21-110%
Phenol-d5	33%	10-110%
2-Chlorophenol-d4	82%	33-110%
1,2-Dichlorobenzene-d4	51%	16-110%
Nitrobenzene-d5	82%	35-114%
2-Fluorobiphenyl	65%	43-116%
2,4,6-Tribromophenol	113%E	10-123%
Terphenyl-d14	100%	33-141%

TCLP = Toxicity Characteristic Leaching Procedure
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank

Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

HPN:

EPA METHOD 8270

Huntingdon

TCLP SEMIVOLATILE ORGANIC COMPOUND RESULTS

Client ID:	QD1 MSD	Lab ID (HSN):	QD1 MSD
Matrix:	LEACH	Filename:	4160K14
Date Sampled:	05/27/94	Sample Size:	200 mL
Date Received:	05/31/94	Extract Vol.:	1000 uL
Date Extracted:	06/08/94	Dil. Factor:	1
Date Analyzed:	06/09/94		
Date Leached:	06/02/94		

Compounds:	ug/L (PPB)	EQL
Pyridine	170	50
1,4-Dichlorobenzene	170	50
o-Cresol	240	50
m- and/or p-Cresol	430	50
Hexachloroethane	160	50
Nitrobenzene	280	50
Hexachloro-1,3-butadiene	160	50
2,4,6-Trichlorophenol	290	50
2,4,5-Trichlorophenol	320	130
2,4-Dinitrotoluene	310	50
Hexachlorobenzene	310	50
Pentachlorophenol	740 E	130

Surrogate Recovery		QC LIMITS
2-Fluorophenol	50%	21-110%
Phenol-d5	33%	10-110%
2-Chlorophenol-d4	79%	33-110%
1,2-Dichlorobenzene-d4	53%	16-110%
Nitrobenzene-d5	79%	35-114%
2-Fluorobiphenyl	61%	43-116%
2,4,6-Tribromophenol	114%E	10-123%
Terphenyl-d14	111%	33-141%

TCLP = Toxicity Characteristic Leaching Procedure
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank

Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

HPN:

EPA METHOD 8270
TCLP SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID:	BLANK	Lab ID (HSN):	BLANK
Matrix:	LEACH	Filename:	4157K10
Date Sampled:		Sample Size:	200 mL
Date Received:		Extract Vol.:	1000 uL
Date Extracted:	06/05/94	Dil. Factor:	1
Date Analyzed:	06/06/94		
Date Leached:			

Compounds:	ug/L (PPB)	EQL
Pyridine	50 U	50
1,4-Dichlorobenzene	50 U	50
o-Cresol	50 U	50
m- and/or p-Cresol	50 U	50
Hexachloroethane	50 U	50
Nitrobenzene	50 U	50
Hexachloro-1,3-butadiene	50 U	50
2,4,6-Trichlorophenol	50 U	50
2,4,5-Trichlorophenol	130 U	130
2,4-Dinitrotoluene	50 U	50
Hexachlorobenzene	50 U	50
Pentachlorophenol	130 U	130

Surrogate Recovery		QC LIMITS
2-Fluorophenol	54%	21-110%
Phenol-d5	33%	10-110%
2-Chlorophenol-d4	83%	33-110%
Nitrobenzene-d5	96%	35-114%
2-Fluorobiphenyl	69%	43-116%
2,4,6-Tribromophenol	82%	10-123%
Terphenyl-d14	109%	33-141%

TCLP = Toxicity Characteristic Leaching Procedure
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank

Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

HPN:

EPA METHOD 8270
TCLP SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID:	LCS	Lab ID (HSN):	LCS
Matrix:	LEACH	Filename:	4157K13
Date Sampled:		Sample Size:	200 mL
Date Received:		Extract Vol.:	1000 uL
Date Extracted:	06/05/94	Dil. Factor:	1
Date Analyzed:	06/06/94		
Date Leached:			

Compounds:	ug/L (PPB)	EQL
Pyridine	190	50
1,4-Dichlorobenzene	170	50
o-Cresol	230	50
m- and/or p-Cresol	430	50
Hexachloroethane	140	50
Nitrobenzene	290	50
Hexachloro-1,3-butadiene	160	50
2,4,6-Trichlorophenol	290	50
2,4,5-Trichlorophenol	300	130
2,4-Dinitrotoluene	290	50
Hexachlorobenzene	300	50
Pentachlorophenol	370	130

Surrogate Recovery		QC LIMITS
2-Fluorophenol	46%	21-110%
Phenol-d5	32%	10-110%
2-Chlorophenol-d4	75%	33-110%
Nitrobenzene-d5	80%	35-114%
2-Fluorobiphenyl	70%	43-116%
2,4,6-Tribromophenol	94%	10-123%
Terphenyl-d14	107%	33-141%

TCLP = Toxicity Characteristic Leaching Procedure
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank

Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

HPN:

EPA METHOD 8270
TCLP SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID:	LCSD	Lab ID (HSN):	LCSD
Matrix:	LEACH	Filename:	4157K14
Date Sampled:		Sample Size:	200 mL
Date Received:		Extract Vol.:	1000 uL
Date Extracted:	06/05/94	Dil. Factor:	1
Date Analyzed:	06/06/94		
Date Leached:			

Compounds:	ug/L (PPB)	EQL
Pyridine	190	50
1,4-Dichlorobenzene	190	50
o-Cresol	250	50
m- and/or p-Cresol	450	50
Hexachloroethane	160	50
Nitrobenzene	310	50
Hexachloro-1,3-butadiene	180	50
2,4,6-Trichlorophenol	300	50
2,4,5-Trichlorophenol	300	130
2,4-Dinitrotoluene	300	50
Hexachlorobenzene	310	50
Pentachlorophenol	350	130

Surrogate Recovery		QC LIMITS
2-Fluorophenol	51%	21-110%
Phenol-d5	34%	10-110%
2-Chlorophenol-d4	75%	33-110%
Nitrobenzene-d5	89%	35-114%
2-Fluorobiphenyl	69%	43-116%
2,4,6-Tribromophenol	93%	10-123%
Terphenyl-d14	114%	33-141%

TCLP = Toxicity Characteristic Leaching Procedure
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank

Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

HPN:

Huntingdon

TOTAL SEMIVOLATILE DATA

✓ Gnm 06/13/94

QUAN DB : 4163P13 LAB-BASE QUAN 06/13/94 09:05

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	10.32	1.00	762	0	97	99	981276	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	7.25	0.70	455	2	94	97	198121	bv	112	2-Fluorophenol	6.3	S
3	9.54	0.92	684	0	97	98	489334	bb	99	Phenol-d5	11.7	S
4	3.44	0.33	0	0	0	0	0		42	N-Nitrosodimethylamine	0.0	NR
5	9.57	0.93	0	0	0	0	0		94	Phenol	0.0	MC
6	9.54	0.92	0	0	0	0	0		93	Aniline	0.0	NR
7	9.76	0.95	0	0	0	0	0		93	bis(2-Chloroethyl)Ethe	0.0	
8	9.81	0.95	0	0	0	0	0		128	2-Chlorophenol	0.0	M
9	10.17	0.99	0	0	0	0	0		146	1,3-Dichlorobenzene	0.0	
10	10.36	1.00	0	0	0	0	0		146	1,4-Dichlorobenzene	0.0	MC
11	10.70	1.04	0	0	0	0	0		108	Benzyl alcohol	0.0	NR
12	10.71	1.04	0	0	0	0	0		146	1,2-Dichlorobenzene	0.0	
13	11.00	1.07	0	0	0	0	0		108	2-Methyphenol	0.0	
14	11.05	1.07	0	0	0	0	0		45	2,2'-oxybis(1-Chloropr	0.0	
15	11.39	1.10	0	0	0	0	0		108	4-Methylphenol	0.0	
16	11.37	1.10	0	0	0	0	0		70	N-Nitroso-Di-n-Propyla	0.0	MS
17	11.52	1.12	0	0	0	0	0		117	Hexachloroethane	0.0	
18	9.77	0.95	707	0	95	97	318322	bv	132	2-Chlorophenol-d4	8.9	S
19	10.68	1.03	798	1	93	96	173628	bv	152	1,2-Dichlorobenzene-d4	7.6	S
20	13.45	1.00	1075	0	93	98	3634634	bv	136	Naphthalene-d8	40.0	I
21	11.67	0.87	897	-1	92	99	304744	bb	82	Nitrobenzene-d5	8.6	S
22	11.73	0.87	0	0	0	0	0		77	Nitrobenzene	0.0	
23	12.35	0.92	0	0	0	0	0		82	Isophorone	0.0	
24	12.51	0.93	0	0	0	0	0		139	2-Nitrophenol	0.0	
25	12.69	0.94	0	0	0	0	0		107	2,4-Dimethylphenol	0.0	CC
26	12.94	0.96	0	0	0	0	0		93	bis(2-Chloroethoxy)Met	0.0	
27	13.04	0.97	0	0	0	0	0		105	Benzoic acid	0.0	NR
28	13.12	0.98	0	0	0	0	0		162	2,4-Dichlorophenol	0.0	CC
29	13.32	0.99	0	0	0	0	0		180	1,2,4-Trichlorobenzene	0.0	M
30	13.50	1.00	0	0	0	0	0		128	Naphthalene	0.0	
31	13.68	1.02	0	0	0	0	0		127	4-Chloroaniline	0.0	
32	13.84	1.03	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
33	14.95	1.11	0	0	0	0	0		107	4-Chloro-3-Methylpheno	0.0	MC
34	15.26	1.13	0	0	0	0	0		142	2-Methylnaphthalene	0.0	
35	17.92	1.00	1522	1	97	98	1707422	bv	164	Acenaphthene-d10	40.0	I
36	16.23	0.91	1353	-1	93	99	573261	bv	172	2-Fluorobiphenyl	11.0	S
37	19.94	1.11	1724	0	77	83	21680	bb	330	2,4,6-Tribromophenol	2.6	S
38	15.67	0.87	0	0	0	0	0		237	Hexachlorocyclopentadi	0.0	SP
39	16.00	0.89	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
40	16.08	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
41	16.49	0.92	0	0	0	0	0		162	2-Chloronaphthalene	0.0	
42	16.79	0.94	0	0	0	0	0		65	2-Nitroaniline	0.0	
43	17.31	0.97	0	0	0	0	0		163	Dimethylphthalate	0.0	
44	17.54	0.98	0	0	0	0	0		152	Acenaphthylene	0.0	
45	17.44	0.97	0	0	0	0	0		165	2,6-Dinitrotoluene	0.0	
46	17.84	1.00	0	0	0	0	0		138	3-Nitroaniline	0.0	
47	18.00	1.00	0	0	0	0	0		153	Acenapthene	0.0	MC
48	18.13	1.01	0	0	0	0	0		184	2,4-Dinitrophenol	0.0	SP
49	18.32	1.02	0	0	0	0	0		109	4-Nitrophenol	0.0	MS
50	18.44	1.03	0	0	0	0	0		168	Dibenzofuran	0.0	

RP 6/14/94

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
51	18.46	1.03	0	0	0	0	0		165	2,4-Dinitrotoluene	0.0	M
52	19.14	1.07	0	0	0	0	0		149	Diethylphthalate	0.0	
53	19.37	1.09	0	0	0	0	0		204	4-Chlorophenyl-phenyle	0.0	
54	19.32	1.08	0	0	0	0	0		166	Fluorene	0.0	
55	19.40	1.08	0	0	0	0	0		138	4-Nitroaniline	0.0	
56	21.73	1.00	1903	1	93	98	2271553	M	188	Phenanthrene-d10	40.0	I
57	19.50	0.90	0	0	0	0	0		198	4,6-Dinitro-2-Methylph	0.0	
58	19.67	0.91	0	0	0	0	0		169	N-Nitrosodiphenylamine	0.0	CC
59	19.77	0.91	0	0	0	0	0		77	1,2-Diphenylhydrazine	0.0	NR
60	20.61	0.95	0	0	0	0	0		248	4-Bromophenyl-phenylet	0.0	
61	20.73	0.95	0	0	0	0	0		284	Hexachlorobenzene	0.0	
62	21.24	0.98	0	0	0	0	0		266	Pentachlorophenol	0.0	MC
63	21.78	1.00	0	0	0	0	0		178	Phenanthrene	0.0	
64	21.91	1.01	0	0	0	0	0		178	Anthracene	0.0	
65	22.35	1.03	0	0	0	0	0		167	Carbazole	0.0	
66	23.35	1.07	0	0	0	0	0		149	Di-n-Butylphthalate	0.0	
67	24.84	1.14	0	0	0	0	0		202	Fluoranthene	0.0	CC
68	28.61	1.00	2591	5	37	94	511664	bv	240	Chrysene-d12	40.0	I
69	25.92	0.91	2322	-1	29	75	247709	bb	244	Terphenyl-d14	16.9	S
70	25.23	0.88	0	0	0	0	0		184	Benzidine	0.0	NR
71	25.42	0.89	0	0	0	0	0		202	Pyrene	0.0	M
72	27.20	0.95	0	0	0	0	0		149	Butylbenzylphthalate	0.0	
73	28.62	1.00	2592	7	22	76	145881	M	252	3,3'-Dichlorobenzidine	~~30.5~~	Gnm
74	28.54	1.00	0	0	0	0	0		228	Benzo(a)anthracene	0.0	
75	28.63	1.00	0	0	0	0	0		228	Chrysene	0.0	
76	28.72	1.00	0	0	0	0	0		149	bis(2-ethylhexyl)phtha	0.0	
77	32.16	1.00	2946	5	46	92	322531	M	264	Perylene-d12	40.0	I
78	30.34	0.94	0	0	0	0	0		149	Di-n-Octylphthalate	0.0	CC
79	31.21	0.97	2851	-1	10	62	192773	bv	252	Benzo(b)fluoranthene	~~15.2~~	Gnm
80	31.24	0.97	0	0	0	0	0		252	Benzo(k)fluoranthene	0.0	
81	31.97	0.99	0	0	0	0	0		252	Benzo(a)pyrene	0.0	CC
82	35.49	1.10	0	0	0	0	0		276	Indeno(1,2,3-cd)pyrene	0.0	
83	35.58	1.11	0	0	0	0	0		278	Dibenz(a,h)anthracene	0.0	
84	36.52	1.14	0	0	0	0	0		276	Benzo(g,h,i)perylene	0.0	
85	3.48	0.34	0	0	0	0	0		79	Pyridine	0.0	
86	13.69	1.02	0	0	0	0	0		162	2,6-Dichlorophenol	0.0	
87	18.77	1.05	0	0	0	0	0		232	2,3,4,6-Tetrachlorophe	0.0	

4163P13

Datafile : 4163P13

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	500690	981276	2002760
Naphthalene-d8	2055962	3634634	8223848
Acenaphthene-d10	1208980	1707422	4835920
Phenanthrene-d10	2076334	2271553	8305336
Chrysene-d12	1308625	511664	5234500****
Perylene-d12	996407	322531	3985628****

Internal Standard Retention Time Summary

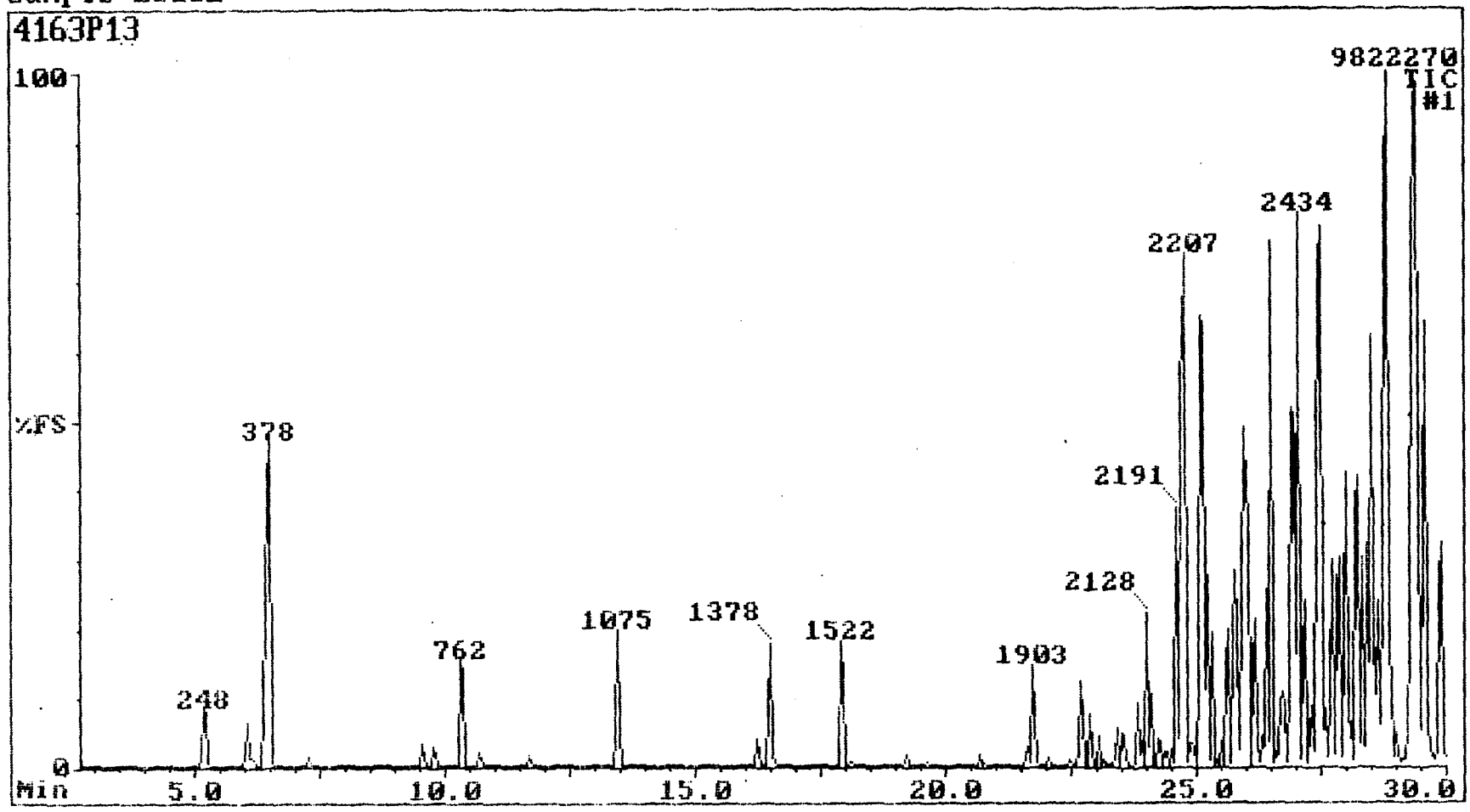
COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	10.32	10.32
Naphthalene-d8	13.45	13.45
Acenaphthene-d10	17.91	17.92
Phenanthrene-d10	21.72	21.73
Chrysene-d12	28.56	28.61
Perylene-d12	32.11	32.16

Surrogate Recoveries

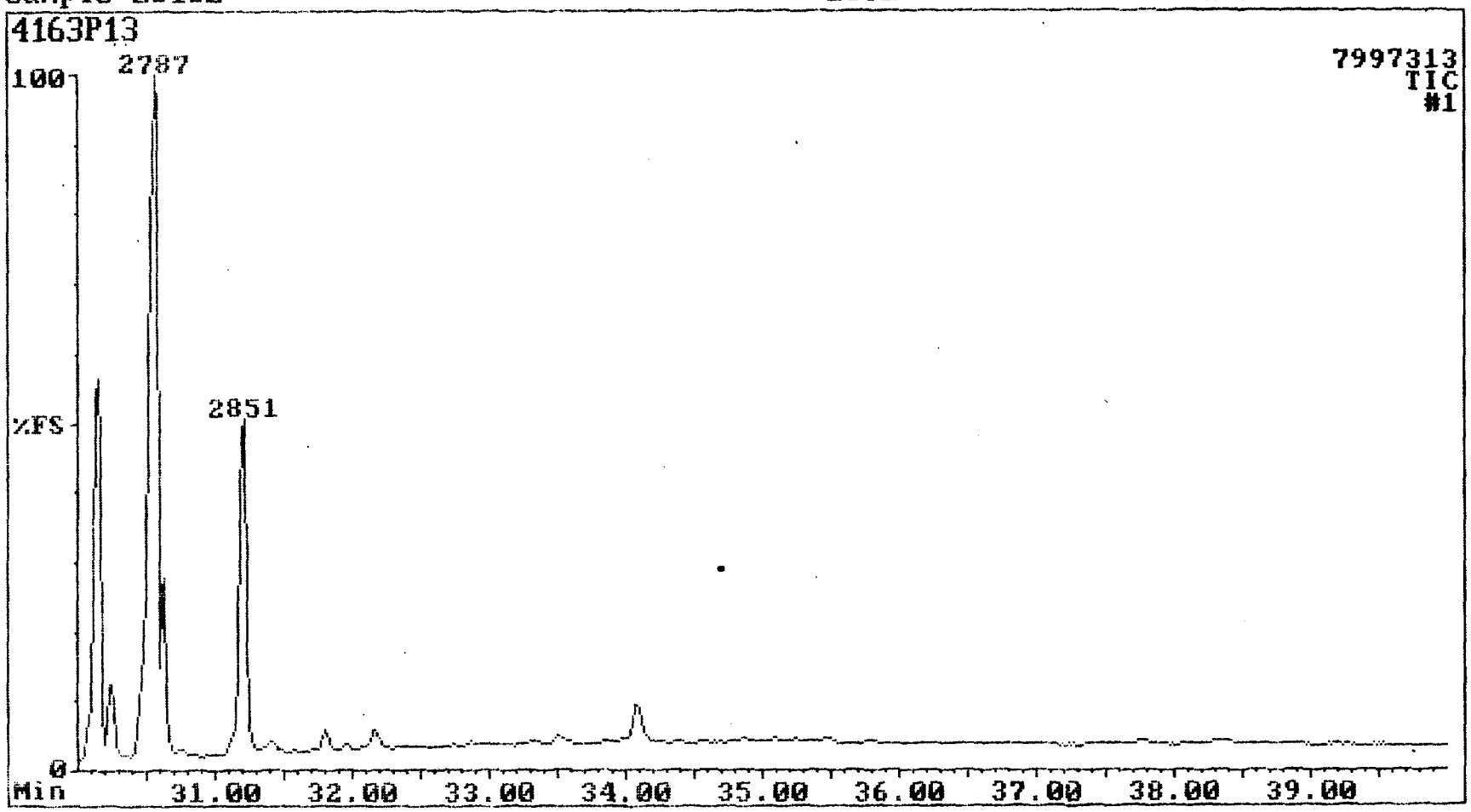
COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	6	4.2	(25-121)	(21-110)	bv	198121
Phenol-d5	12	7.8	(24-113)	(10-110)	bb	489334
2-Chlorophenol-d4	9	5.9	(20-130)	(33-110)	bv	318322
1,2-Dichlorobenzene-d4	8	7.6	(20-130)	(16-110)	bv	173628
Nitrobenzene-d5	9	8.6	(23-120)	(35-114)	bb	304744
2-Fluorobiphenyl	11	11.0	(30-115)	(43-116)	bv	573261
2,4,6-Tribromophenol	3	1.7	(19-122)	(10-123)	bb	21680
Terphenyl-d14	17	16.9	(18-137)	(33-141)	bb	247709

x10

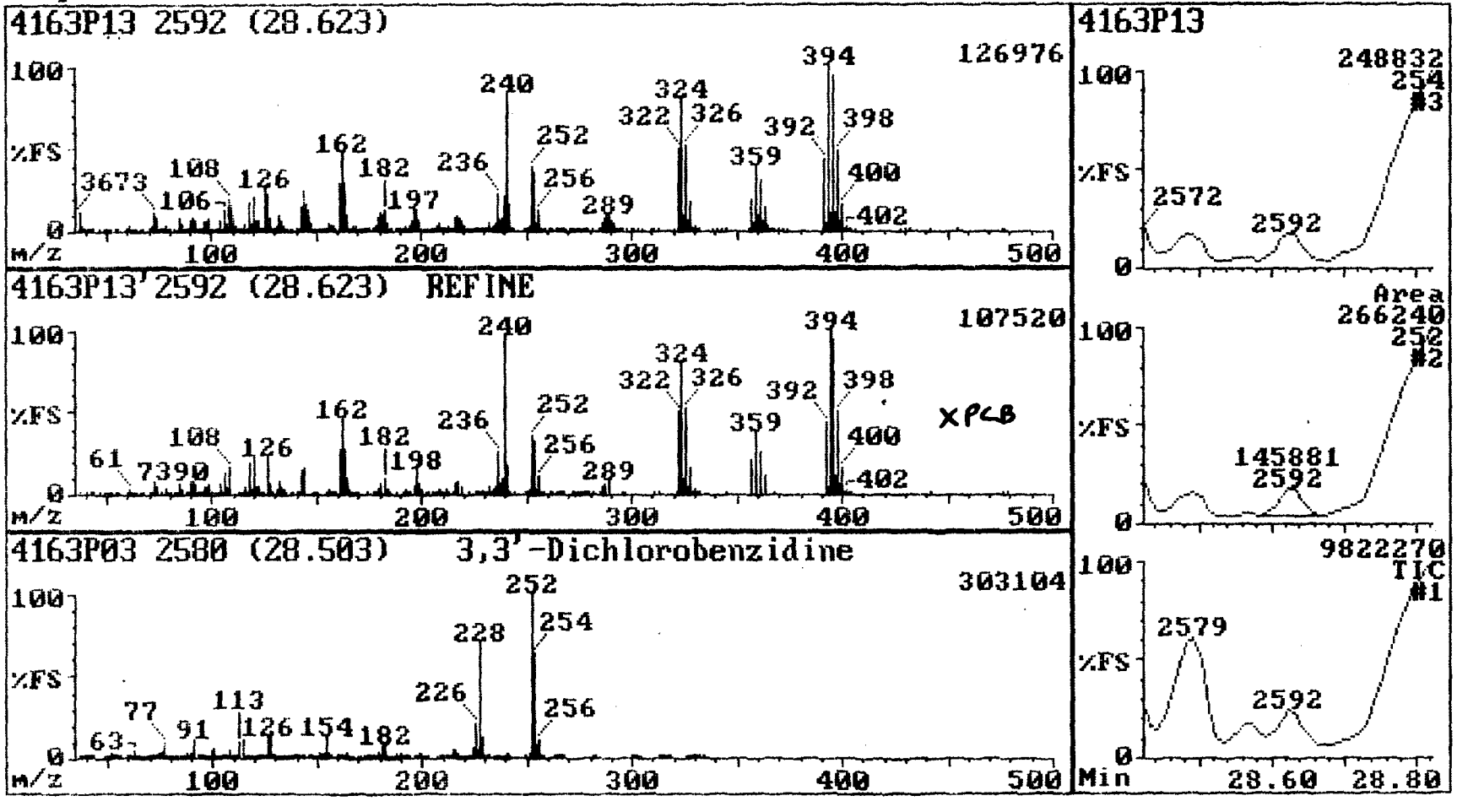
4163P13 06/13/94 04:59 VGTR101A GNM
Sample:25162 ECOL HPN:5039



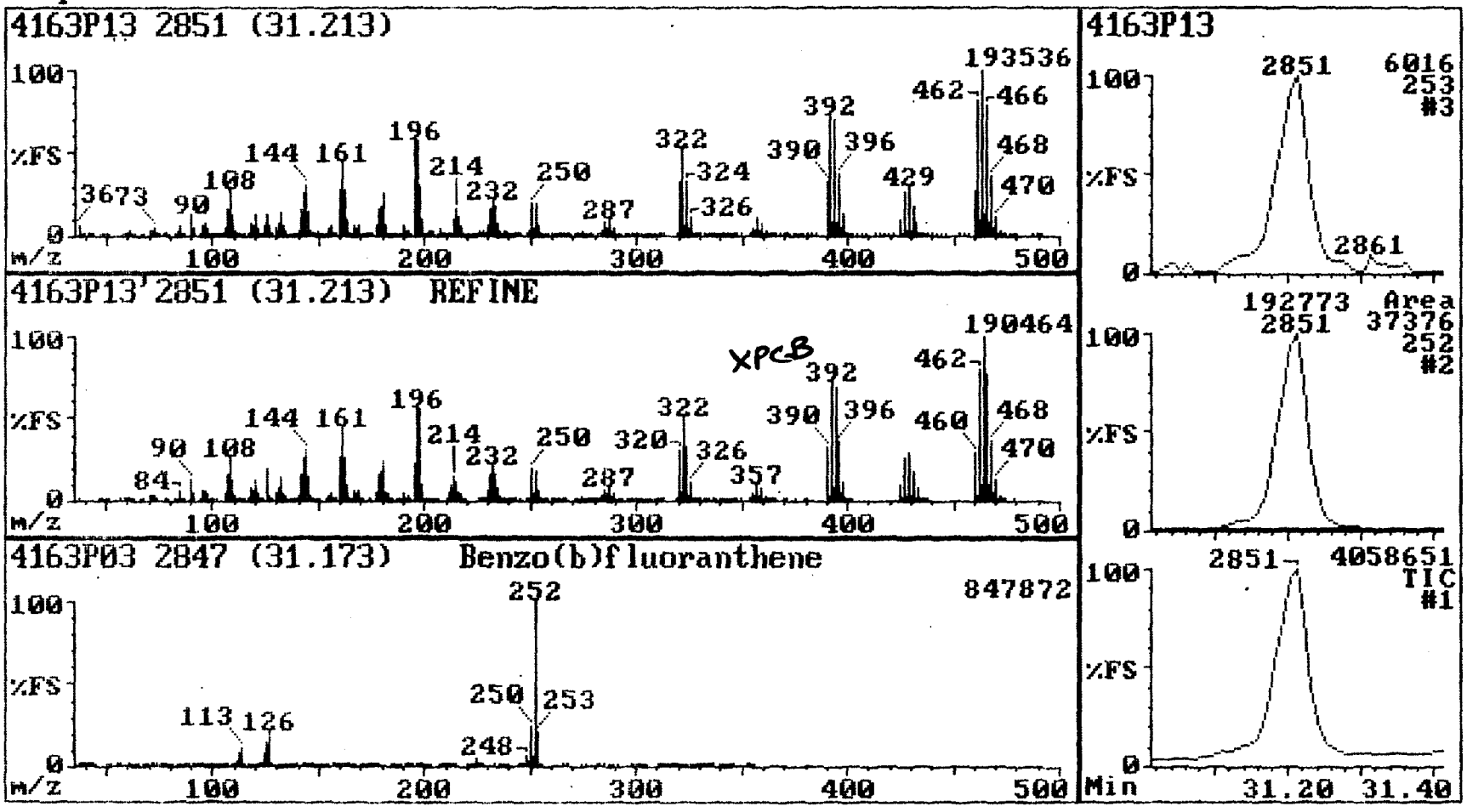
4163P13 06/13/94 04:59 VGTRI01A GNM
Sample:25162 ECOL HPN:5039



4163P13 06/13/94 04:59 VGTRI01A GNM
Sample:25162 ECOL HPN:5039



4163P13 06/13/94 04:59 VGTRI01A GNM
Sample:25162 ECOL HPN:5039



✓ Jnm 06/13/94

Interim Report LAB-BASE FIND 06/13/94 08:00

Raw Datafile : 4163P13 Quan DB : 4163P13
Find DB : SV8270 Scan DB : 4163P13

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	97	99	0	981276	bb	762	762	152	1,4-Dichlorobenzene-d4
2	100	94	97	2	198121	bv	455	453	112	2-Fluorophenol
3	100	97	98	0	489334	bb	684	684	99	Phenol-d5
4	*** No Trace Found ***					*		74	42	N-Nitrosodimethylamine
5	*** No Trace Found ***							687	94	Phenol
6	*** No Trace Found ***							684	93	Aniline
7	*** No Trace Found ***							706	93	bis(2-Chloroethyl)Ether
8	*** No Trace Found ***							711	128	2-Chlorophenol
9	*** No Trace Found ***							747	146	1,3-Dichlorobenzene
10	*** No Trace Found ***							766	146	1,4-Dichlorobenzene
11	*** No Trace Found ***							800	108	Benzyl alcohol
12	*** No Trace Found ***							801	146	1,2-Dichlorobenzene
13	*** No Trace Found ***							830	108	2-Methyphenol
14	*** No Trace Found ***							835	45	2,2'-oxybis(1-Chloropropan
15	*** No Trace Found ***							869	108	4-Methylphenol
16	*** No Trace Found ***							867	70	N-Nitroso-Di-n-Propylamine
17	*** No Trace Found ***							882	117	Hexachloroethane
18	100	95	97	0	318322	bv	707	707	132	2-Chlorophenol-d4
19	100	93	96	1	173628	bv	798	797	152	1,2-Dichlorobenzene-d4
20	100	93	98	0	3634634	bv	1075	1075	136	Naphthalene-d8
21	100	92	99	-1	304744	bb	897	898	82	Nitrobenzene-d5
22	*** No Trace Found ***					*		903	77	Nitrobenzene
23	*** No Trace Found ***							965	82	Isophorone
24	*** No Trace Found ***							981	139	2-Nitrophenol
25	*** No Trace Found ***							999	107	2,4-Dimethylphenol
26	*** No Trace Found ***							1024	93	bis(2-Chloroethoxy)Methane
27	*** No Trace Found ***							1034	105	Benzoic acid
28	*** No Trace Found ***							1042	162	2,4-Dichlorophenol
29	*** No Trace Found ***							1062	180	1,2,4-Trichlorobenzene
30	*** No Trace Found ***							1080	128	Naphthalene
31	*** No Trace Found ***							1098	127	4-Chloroaniline
32	*** No Trace Found ***							1114	225	Hexachlorobutadiene
33	*** No Trace Found ***							1225	107	4-Chloro-3-Methylphenol
34	*** No Trace Found ***							1256	142	2-Methylnaphthalene
35	100	97	98	1	1707422	bv	1522	1521	164	Acenaphthene-d10
36	100	93	99	-1	573261	bv	1353	1354	172	2-Fluorobiphenyl
37	100	77	83	0	21680	bb	1724	1724	330	2,4,6-Tribromophenol
38	*** No Trace Found ***							1298	237	Hexachlorocyclopentadiene
39	*** No Trace Found ***							1331	196	2,4,6-Trichlorophenol
40	*** No Trace Found ***							1339	196	2,4,5-Trichlorophenol
41	*** No Trace Found ***							1380	162	2-Chloronaphthalene
42	*** No Trace Found ***							1410	65	2-Nitroaniline
43	*** No Trace Found ***							1462	163	Dimethylphthalate
44	*** No Trace Found ***							1485	152	Acenaphthylene
45	*** No Trace Found ***							1475	165	2,6-Dinitrotoluene
46	*** No Trace Found ***							1515	138	3-Nitroaniline
47	*** No Trace Found ***							1531	153	Acenapthene
48	*** No Trace Found ***							1544	184	2,4-Dinitrophenol
49	*** No Trace Found ***							1563	109	4-Nitrophenol
50	*** No Trace Found ***							1575	168	Dibenzofuran
51	*** No Trace Found ***							1577	165	2,4-Dinitrotoluene

52	*** No Trace Found ***								1645	149	Diethylphthalate
53	*** No Trace Found ***								1668	204	4-Chlorophenyl-phenylether
54	*** No Trace Found ***								1663	166	Fluorene
55	*** No Trace Found ***								1671	138	4-Nitroaniline
56	100	93	98	1	2409256	b?		1903	1902	188	Phenanthrene-d10
57	*** No Trace Found ***						*		1681	198	4,6-Dinitro-2-Methylphenol
58	*** No Trace Found ***								1698	169	N-Nitrosodiphenylamine
59	*** No Trace Found ***								1708	77	1,2-Diphenylhydrazine
60	*** No Trace Found ***								1792	248	4-Bromophenyl-phenylether
61	*** No Trace Found ***								1804	284	Hexachlorobenzene
62	*** No Trace Found ***								1855	266	Pentachlorophenol
63	*** No Trace Found ***								1909	178	Phenanthrene
64	*** No Trace Found ***								1922	178	Anthracene
65	*** No Trace Found ***								1966	167	Carbazole
66	*** No Trace Found ***								2066	149	Di-n-Butylphthalate
67	*** No Trace Found ***								2215	202	Fluoranthene
68	61	37	94	5	511664	bv		2591	2586	240	Chrysene-d12
69	58	29	75	-1	247709	bb		2322	2323	244	Terphenyl-d14
70	*** No Trace Found ***								2257	184	Benzidine
71	*** No Trace Found ***								2276	202	Pyrene
72	*** No Trace Found ***								2455	149	Butylbenzylphthalate
73	39	22	76	7	163712	bb		2592	2585	252	3,3'-Dichlorobenzidine
	34	19	60	-6	184462	vv		2579			
74	*** No Trace Found ***								2589	228	Benzo(a)anthracene
75	*** No Trace Found ***								2598	228	Chrysene
76	*** No Trace Found ***								2607	149	bis(2-ethylhexyl)phthalate
77	64	46	92	5	311056	bv		2946	2941	264	Perylene-d12
78	*** No Trace Found ***								2769	149	Di-n-Octylphthalate
79	43	10	62	-1	192773	bv		2851	2852	252	Benzo(b)fluoranthene
80	*** No Trace Found ***								2859	252	Benzo(k)fluoranthene
81	*** No Trace Found ***								2932	252	Benzo(a)pyrene
82	*** No Trace Found ***								3285	276	Indeno(1,2,3-cd)pyrene
83	*** No Trace Found ***								3294	278	Dibenz(a,h)anthracene
84	*** No Trace Found ***								3388	276	Benzo(g,h,i)perylene
85	*** No Trace Found ***								78	79	Pyridine
86	*** No Trace Found ***								1099	162	2,6-Dichlorophenol
87	*** No Trace Found ***								1608	232	2,3,4,6-Tetrachlorophenol

4163P13

✓ Gnm 06/13/94

QUAN DB : 4163P12 LAB-BASE QUAN 06/13/94 09:03

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	10.32	1.00	762	0	97	99	961020	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	7.24	0.70	454	1	96	98	286624	bb	112	2-Fluorophenol	9.3	S
3	9.53	0.92	683	-1	97	98	442492	bv	99	Phenol-d5	10.8	S
4	3.44	0.33	0	0	0	0	0		42	N-Nitrosodimethylamine	0.0	NR
5	9.57	0.93	0	0	0	0	0		94	Phenol	0.0	MC
6	9.54	0.92	0	0	0	0	0		93	Aniline	0.0	NR
7	9.76	0.95	0	0	0	0	0		93	bis(2-Chloroethyl)Ethe	0.0	
8	9.81	0.95	0	0	0	0	0		128	2-Chlorophenol	0.0	M
9	10.17	0.99	0	0	0	0	0		146	1,3-Dichlorobenzene	0.0	
10	10.36	1.00	0	0	0	0	0		146	1,4-Dichlorobenzene	0.0	MC
11	10.70	1.04	0	0	0	0	0		108	Benzyl alcohol	0.0	NR
12	10.71	1.04	0	0	0	0	0		146	1,2-Dichlorobenzene	0.0	
13	11.00	1.07	0	0	0	0	0		108	2-Methyphenol	0.0	
14	11.05	1.07	0	0	0	0	0		45	2,2'-oxybis(1-Chloropr	0.0	
15	11.39	1.10	0	0	0	0	0		108	4-Methylphenol	0.0	
16	11.37	1.10	0	0	0	0	0		70	N-Nitroso-Di-n-Propyla	0.0	MS
17	11.52	1.12	0	0	0	0	0		117	Hexachloroethane	0.0	
18	9.77	0.95	707	0	92	94	360303	bv	132	2-Chlorophenol-d4	10.3	S
19	10.68	1.03	798	1	93	96	156121	vv	152	1,2-Dichlorobenzene-d4	7.0	S
20	13.45	1.00	1075	0	94	98	3559320	b?	136	Naphthalene-d8	40.0	I
21	11.67	0.87	897	-1	92	98	286758	M	82	Nitrobenzene-d5	8.2	S
22	11.73	0.87	0	0	0	0	0		77	Nitrobenzene	0.0	
23	12.35	0.92	0	0	0	0	0		82	Isophorone	0.0	
24	12.51	0.93	0	0	0	0	0		139	2-Nitrophenol	0.0	
25	12.69	0.94	0	0	0	0	0		107	2,4-Dimethylphenol	0.0	CC
26	12.94	0.96	0	0	0	0	0		93	bis(2-Chloroethoxy)Met	0.0	
27	13.04	0.97	0	0	0	0	0		105	Benzoic acid	0.0	NR
28	13.12	0.98	0	0	0	0	0		162	2,4-Dichlorophenol	0.0	CC
29	13.32	0.99	0	0	0	0	0		180	1,2,4-Trichlorobenzene	0.0	M
30	13.50	1.00	0	0	0	0	0		128	Naphthalene	0.0	
31	13.68	1.02	0	0	0	0	0		127	4-Chloroaniline	0.0	
32	13.84	1.03	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
33	14.95	1.11	0	0	0	0	0		107	4-Chloro-3-Methylpheno	0.0	MC
34	15.26	1.13	0	0	0	0	0		142	2-Methylnaphthalene	0.0	
35	17.92	1.00	1522	1	97	98	1661788	bv	164	Acenaphthene-d10	40.0	I
36	16.23	0.91	1353	-1	93	99	540715	bv	172	2-Fluorobiphenyl	10.6	S
37	19.94	1.11	1724	0	89	97	84365	bb	330	2,4,6-Tribromophenol	10.4	S
38	15.67	0.87	0	0	0	0	0		237	Hexachlorocyclopentadi	0.0	SP
39	16.00	0.89	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
40	16.08	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
41	16.49	0.92	0	0	0	0	0		162	2-Chloronaphthalene	0.0	
42	16.79	0.94	0	0	0	0	0		65	2-Nitroaniline	0.0	
43	17.31	0.97	0	0	0	0	0		163	Dimethylphthalate	0.0	
44	17.54	0.98	0	0	0	0	0		152	Acenaphthylene	0.0	
45	17.44	0.97	0	0	0	0	0		165	2,6-Dinitrotoluene	0.0	
46	17.84	1.00	0	0	0	0	0		138	3-Nitroaniline	0.0	
47	18.00	1.00	0	0	0	0	0		153	Acenapthene	0.0	MC
48	18.13	1.01	0	0	0	0	0		184	2,4-Dinitrophenol	0.0	SP
49	18.32	1.02	0	0	0	0	0		109	4-Nitrophenol	0.0	MS
50	18.44	1.03	0	0	0	0	0		168	Dibenzofuran	0.0	

6/14/94

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
51	18.46	1.03	0	0	0	0	0		165	2,4-Dinitrotoluene	0.0	M
52	19.14	1.07	0	0	0	0	0		149	Diethylphthalate	0.0	
53	19.37	1.08	0	0	0	0	0		204	4-Chlorophenyl-phenyle	0.0	
54	19.32	1.08	0	0	0	0	0		166	Fluorene	0.0	
55	19.40	1.08	0	0	0	0	0		138	4-Nitroaniline	0.0	
56	21.73	1.00	1903	1	92	98	2206744	M	188	Phenanthrene-d10	40.0	I
57	19.50	0.90	0	0	0	0	0		198	4,6-Dinitro-2-Methylph	0.0	
58	19.67	0.91	0	0	0	0	0		169	N-Nitrosodiphenylamine	0.0	CC
59	19.77	0.91	0	0	0	0	0		77	1,2-Diphenylhydrazine	0.0	NR
60	20.61	0.95	0	0	0	0	0		248	4-Bromophenyl-phenylet	0.0	
61	20.73	0.95	0	0	0	0	0		284	Hexachlorobenzene	0.0	
62	21.24	0.98	0	0	0	0	0		266	Pentachlorophenol	0.0	MC
63	21.78	1.00	0	0	0	0	0		178	Phenanthrene	0.0	
64	21.91	1.01	0	0	0	0	0		178	Anthracene	0.0	
65	22.35	1.03	0	0	0	0	0		167	Carbazole	0.0	
66	23.35	1.07	0	0	0	0	0		149	Di-n-Butylphthalate	0.0	
67	24.84	1.14	0	0	0	0	0		202	Fluoranthene	0.0	CC
68	28.62	1.00	2592	6	28	89	405048	bb	240	Chrysene-d12	40.0	I
69	25.92	0.91	2322	-2	21	65	206348	bv	244	Terphenyl-d14	17.8	S
70	25.23	0.88	0	0	0	0	0		184	Benzidine	0.0	NR
71	25.42	0.89	0	0	0	0	0		202	Pyrene	0.0	M
72	27.20	0.95	0	0	0	0	0		149	Butylbenzylphthalate	0.0	
73	28.63	1.00	2593	7	23	77	154496	bb	252	3,3'-Dichlorobenzidine	~~40.5~~	Gm
74	28.54	1.00	0	0	0	0	0		228	Benzo(a)anthracene	0.0	
75	28.63	1.00	0	0	0	0	0		228	Chrysene	0.0	
76	28.72	1.00	0	0	0	0	0		149	bis(2-ethylhexyl)phtha	0.0	
77	32.16	1.00	2946	5	33	88	256172	M	264	Perylene-d12	40.0	I
78	30.34	0.94	0	0	0	0	0		149	Di-n-Octylphthalate	0.0	CC
79	31.21	0.97	2851	-1	10	62	195853	bv	252	Benzo(b)fluoranthene	~~19.5~~	Gm
80	31.24	0.97	0	0	0	0	0		252	Benzo(k)fluoranthene	0.0	
81	31.97	0.99	0	0	0	0	0		252	Benzo(a)pyrene	0.0	CC
82	35.49	1.10	0	0	0	0	0		276	Indeno(1,2,3-cd)pyrene	0.0	
83	35.58	1.11	0	0	0	0	0		278	Dibenz(a,h)anthracene	0.0	
84	36.52	1.14	0	0	0	0	0		276	Benzo(g,h,i)perylene	0.0	
85	3.48	0.34	0	0	0	0	0		79	Pyridine	0.0	
86	13.69	1.02	0	0	0	0	0		162	2,6-Dichlorophenol	0.0	
87	18.77	1.05	0	0	0	0	0		232	2,3,4,6-Tetrachlorophe	0.0	

4163P12

Datafile : 4163P12

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	500690	961020	2002760
Naphthalene-d8	2055962	3559320	8223848
Acenaphthene-d10	1208980	1661788	4835920
Phenanthrene-d10	2076334	2206744	8305336
Chrysene-d12	1308625	405048	5234500****
Perylene-d12	996407	256172	3985628****

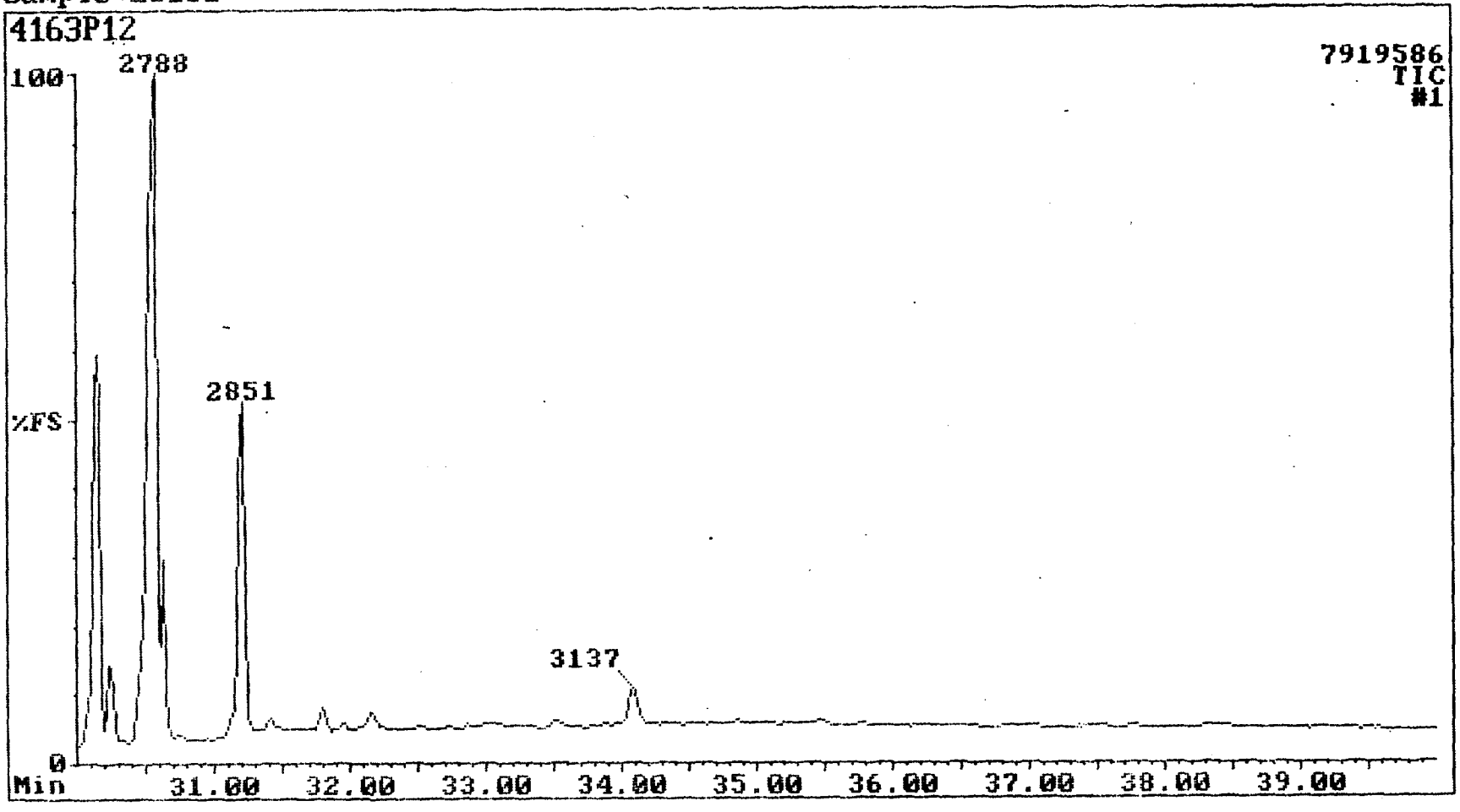
Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	10.32	10.32
Naphthalene-d8	13.45	13.45
Acenaphthene-d10	17.91	17.92
Phenanthrene-d10	21.72	21.73
Chrysene-d12	28.56	28.62
Perylene-d12	32.11	32.16

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
		X10				
2-Fluorophenol	9	6.2	(25-121)	(21-110)	bb	286624
Phenol-d5	11	7.2	(24-113)	(10-110)	bv	442492
2-Chlorophenol-d4	10	6.9	(20-130)	(33-110)	bv	360303
1,2-Dichlorobenzene-d4	7	7.0	(20-130)	(16-110)	vv	156121
Nitrobenzene-d5	8	8.2	(23-120)	(35-114)		286758
2-Fluorobiphenyl	11	10.6	(30-115)	(43-116)	bv	540715
2,4,6-Tribromophenol	10	6.9	(19-122)	(10-123)	bb	84365
Terphenyl-d14	18	17.8	(18-137)	(33-141)	bv	206348

4163P12 06/13/94 04:11 VGTR101A GNM
Sample:25161 ECOL HPN:5039



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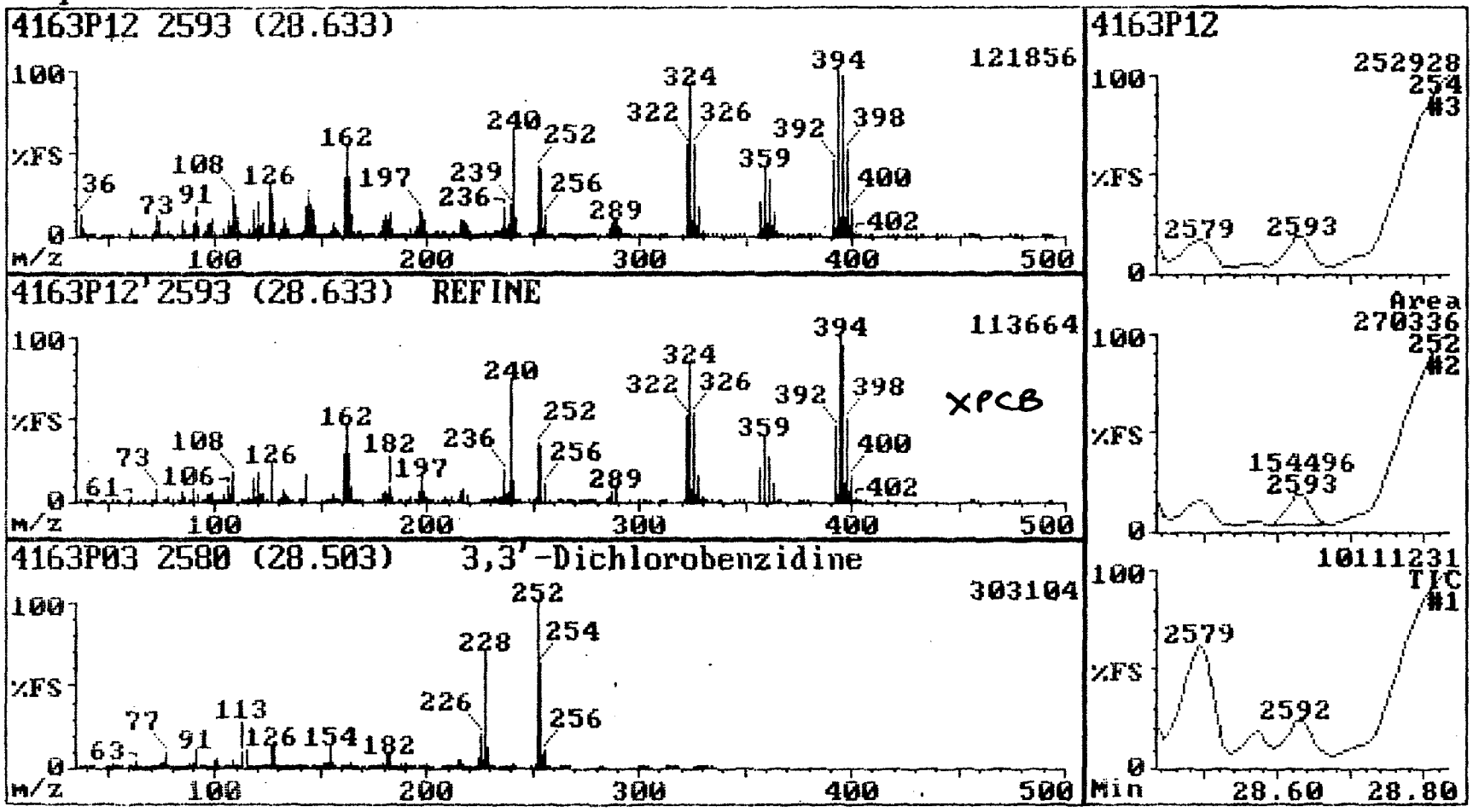
Sample:25161 ECOL HPN:5039



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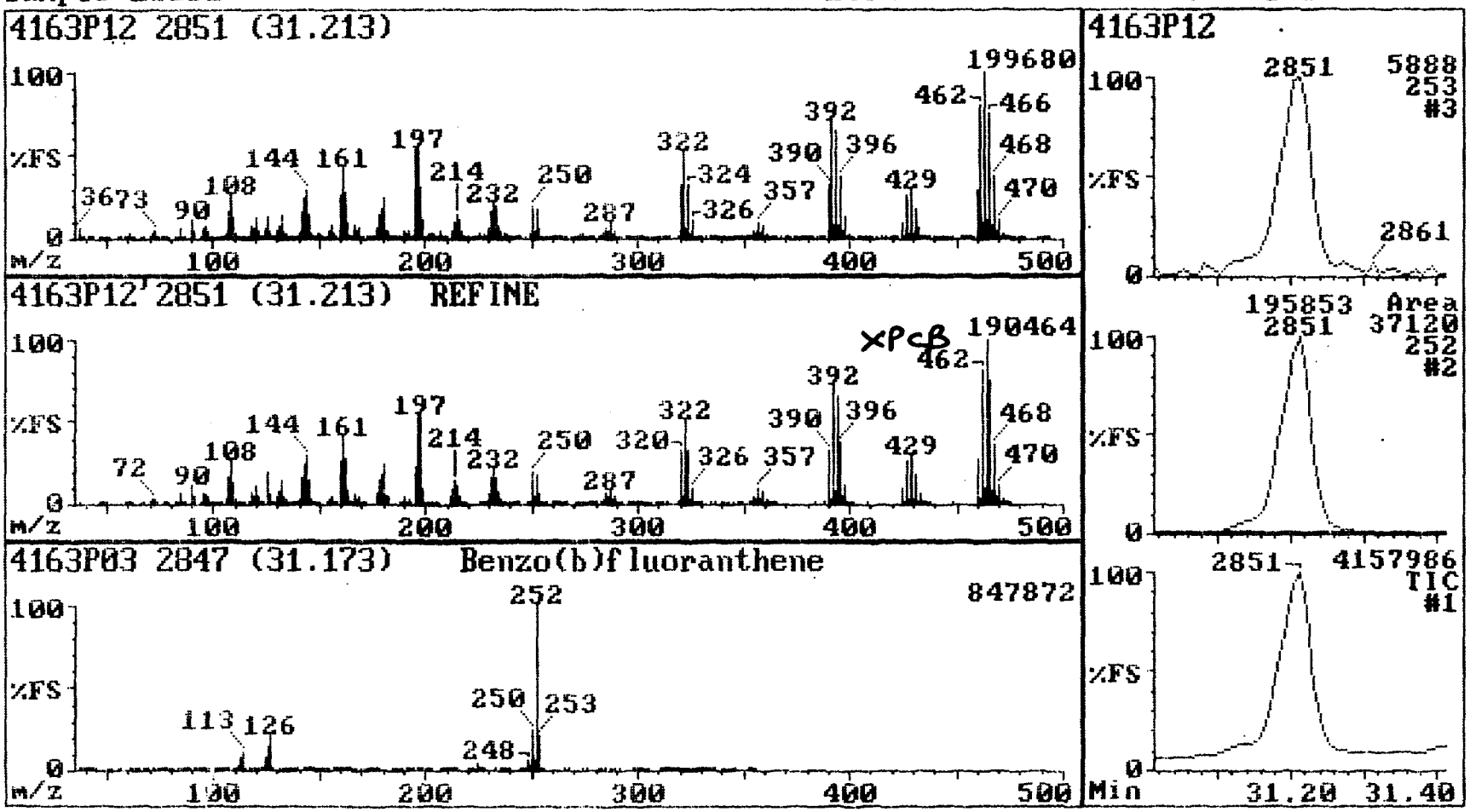


✓ 06/13/94

Interim Report LAB-BASE FIND 06/13/94 07:58

Raw Datafile : 4163P12 Quan DB : 4163P12
Find DB : SV8270 Scan DB : 4163P12

No.	Spectrum MAT	Scan FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	97	99	0	961020	bb	762	762	152	1,4-Dichlorobenzene-d4
2	100	96	98	1	286624	bb	454	453	112	2-Fluorophenol
3	100	97	98	-1	442492	bv	683	684	99	Phenol-d5
4	*** No Trace Found ***					*		74	42	N-Nitrosodimethylamine
5	*** No Trace Found ***							687	94	Phenol
6	*** No Trace Found ***							684	93	Aniline
7	*** No Trace Found ***							706	93	bis(2-Chloroethyl)Ether
8	*** No Trace Found ***							711	128	2-Chlorophenol
9	*** No Trace Found ***							747	146	1,3-Dichlorobenzene
10	*** No Trace Found ***							766	146	1,4-Dichlorobenzene
11	*** No Trace Found ***							800	108	Benzyl alcohol
12	*** No Trace Found ***							801	146	1,2-Dichlorobenzene
13	*** No Trace Found ***							830	108	2-Methyphenol
14	*** No Trace Found ***							835	45	2,2'-oxybis(1-Chloropropan
15	*** No Trace Found ***							869	108	4-Methylphenol
16	*** No Trace Found ***							867	70	N-Nitroso-Di-n-Propylamine
17	*** No Trace Found ***							882	117	Hexachloroethane
18	100	92	94	0	360303	bv	707	707	132	2-Chlorophenol-d4
19	100	93	96	1	156121	vv	798	797	152	1,2-Dichlorobenzene-d4
20	100	94	98	0	3559320	b?	1075	1075	136	Naphthalene-d8
21	100	92	98	-1	276700	bv	897	898	82	Nitrobenzene-d5
22	*** No Trace Found ***					*		903	77	Nitrobenzene
23	*** No Trace Found ***							965	82	Isophorone
24	*** No Trace Found ***							981	139	2-Nitrophenol
25	*** No Trace Found ***							999	107	2,4-Dimethylphenol
26	*** No Trace Found ***							1024	93	bis(2-Chloroethoxy)Methane
27	*** No Trace Found ***							1034	105	Benzoic acid
28	*** No Trace Found ***							1042	162	2,4-Dichlorophenol
29	*** No Trace Found ***							1062	180	1,2,4-Trichlorobenzene
30	*** No Trace Found ***							1080	128	Naphthalene
31	*** No Trace Found ***							1098	127	4-Chloroaniline
32	*** No Trace Found ***							1114	225	Hexachlorobutadiene
33	*** No Trace Found ***							1225	107	4-Chloro-3-Methylphenol
34	*** No Trace Found ***							1256	142	2-Methylnaphthalene
35	100	97	98	1	1661788	bv	1522	1521	164	Acenaphthene-d10
36	100	93	99	-1	540715	bv	1353	1354	172	2-Fluorobiphenyl
37	100	89	97	0	84365	bb	1724	1724	330	2,4,6-Tribromophenol
38	*** No Trace Found ***					*		1298	237	Hexachlorocyclopentadiene
39	*** No Trace Found ***							1331	196	2,4,6-Trichlorophenol
40	*** No Trace Found ***							1339	196	2,4,5-Trichlorophenol
41	*** No Trace Found ***							1380	162	2-Chloronaphthalene
42	*** No Trace Found ***							1410	65	2-Nitroaniline
43	*** No Trace Found ***							1462	163	Dimethylphthalate
44	*** No Trace Found ***							1485	152	Acenaphthylene
45	*** No Trace Found ***							1475	165	2,6-Dinitrotoluene
46	*** No Trace Found ***							1515	138	3-Nitroaniline
47	*** No Trace Found ***							1531	153	Acenapthene
48	*** No Trace Found ***							1544	184	2,4-Dinitrophenol
49	*** No Trace Found ***							1563	109	4-Nitrophenol
50	*** No Trace Found ***							1575	168	Dibenzofuran

52	*** No Trace Found ***								1645	149	Diethylphthalate
53	*** No Trace Found ***								1668	204	4-Chlorophenyl-phenylether
54	*** No Trace Found ***								1663	166	Fluorene
55	*** No Trace Found ***								1671	138	4-Nitroaniline
56	100	92	98	1	2355670	b?		1903	1902	188	Phenanthrene-d10
57	*** No Trace Found ***						*		1681	198	4,6-Dinitro-2-Methylphenol
58	*** No Trace Found ***								1698	169	N-Nitrosodiphenylamine
59	*** No Trace Found ***								1708	77	1,2-Diphenylhydrazine
60	*** No Trace Found ***								1792	248	4-Bromophenyl-phenylether
61	*** No Trace Found ***								1804	284	Hexachlorobenzene
62	*** No Trace Found ***								1855	266	Pentachlorophenol
63	*** No Trace Found ***								1909	178	Phenanthrene
64	*** No Trace Found ***								1922	178	Anthracene
65	*** No Trace Found ***								1966	167	Carbazole
66	*** No Trace Found ***								2066	149	Di-n-Butylphthalate
67	*** No Trace Found ***								2215	202	Fluoranthene
68	50	28	89	6	405048	bb		2592	2586	240	Chrysene-d12
69	48	21	65	-2	206348	bv		2322	2324	244	Terphenyl-d14
70	*** No Trace Found ***								2258	184	Benzidine
71	*** No Trace Found ***								2277	202	Pyrene
72	*** No Trace Found ***								2456	149	Butylbenzylphthalate
73	43	23	77	7	154496	bb		2593	2586	252	3,3'-Dichlorobenzidine
	32	19	61	-7	174898	vv		2579			
74	*** No Trace Found ***								2590	228	Benzo(a)anthracene
75	*** No Trace Found ***								2599	228	Chrysene
76	*** No Trace Found ***								2608	149	bis(2-ethylhexyl)phthalate
77	60	33	88	5	246319	vv		2946	2941	264	Perylene-d12
78	*** No Trace Found ***								2769	149	Di-n-Octylphthalate
79	43	10	62	-1	195853	bv		2851	2852	252	Benzo(b)fluoranthene
80	*** No Trace Found ***								2859	252	Benzo(k)fluoranthene
81	*** No Trace Found ***								2932	252	Benzo(a)pyrene
82	*** No Trace Found ***								3285	276	Indeno(1,2,3-cd)pyrene
83	*** No Trace Found ***								3294	278	Dibenz(a,h)anthracene
84	*** No Trace Found ***								3388	276	Benzo(g,h,i)perylene
85	*** No Trace Found ***								78	79	Pyridine
86	*** No Trace Found ***								1099	162	2,6-Dichlorophenol
87	*** No Trace Found ***								1608	232	2,3,4,6-Tetrachlorophenol

4163P12

06/13/94
Corrected 06/13/94

QUAN DB : 4163F11 LAB-BASE QUAN 06/13/94 09:02

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	10.32	1.00	762	0	98	99	2464544	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	7.25	0.70	455	2	96	98	506875	bv	112	2-Fluorophenol	6.4	S
3	9.53	0.92	683	-1	97	98	1137649	bv	99	Phenol-d5	10.9	S
4	3.44	0.33	0	0	0	0	0		42	N-Nitrosodimethylamine	0.0	NR
5	9.57	0.93	0	0	0	0	0		94	Phenol	0.0	MC
6	9.54	0.92	0	0	0	0	0		93	Aniline	0.0	NR
7	9.76	0.95	0	0	0	0	0		93	bis(2-Chloroethyl)Ethe	0.0	
8	9.81	0.95	0	0	0	0	0		128	2-Chlorophenol	0.0	M
9	10.17	0.99	0	0	0	0	0		146	1,3-Dichlorobenzene	0.0	
10	10.36	1.00	0	0	0	0	0		146	1,4-Dichlorobenzene	0.0	MC
11	10.70	1.04	0	0	0	0	0		108	Benzyl alcohol	0.0	NR
12	10.71	1.04	0	0	0	0	0		146	1,2-Dichlorobenzene	0.0	
13	11.00	1.07	0	0	0	0	0		108	2-Methyphenol	0.0	
14	11.05	1.07	0	0	0	0	0		45	2,2'-oxybis(1-Chloropr	0.0	
15	11.39	1.10	0	0	0	0	0		108	4-Methylphenol	0.0	
16	11.37	1.10	0	0	0	0	0		70	N-Nitroso-Di-n-Propyla	0.0	MS
17	11.52	1.12	0	0	0	0	0		117	Hexachloroethane	0.0	
18	9.77	0.95	707	0	94	96	824366	bv	132	2-Chlorophenol-d4	9.2	S
19	10.67	1.03	797	0	95	97	395044	bv	152	1,2-Dichlorobenzene-d4	6.9	S
20	13.44	1.00	1074	-1	94	98	9178172	b?	136	Naphthalene-d8	40.0	I
21	11.67	0.87	897	0	94	98	767424	M	82	Nitrobenzene-d5	8.5	S
22	11.73	0.87	0	0	0	0	0		77	Nitrobenzene	0.0	
23	12.35	0.92	0	0	0	0	0		82	Isophorone	0.0	
24	12.51	0.93	0	0	0	0	0		139	2-Nitrophenol	0.0	
25	12.69	0.94	0	0	0	0	0		107	2,4-Dimethylphenol	0.0	CC
26	12.94	0.96	0	0	0	0	0		93	bis(2-Chloroethoxy)Met	0.0	
27	13.04	0.97	0	0	0	0	0		105	Benzoic acid	0.0	NR
28	13.12	0.98	0	0	0	0	0		162	2,4-Dichlorophenol	0.0	CC
29	13.32	0.99	0	0	0	0	0		180	1,2,4-Trichlorobenzene	0.0	M
30	13.50	1.00	0	0	0	0	0		128	Naphthalene	0.0	
31	13.68	1.02	0	0	0	0	0		127	4-Chloroaniline	0.0	
32	13.84	1.03	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
33	14.95	1.11	0	0	0	0	0		107	4-Chloro-3-Methylpheno	0.0	MC
34	15.26	1.14	0	0	0	0	0		142	2-Methylnaphthalene	0.0	
35	17.92	1.00	1522	1	97	98	4274938	bv	164	Acenaphthene-d10	40.0	I
36	16.23	0.91	1353	-1	93	99	1400359	bv	172	2-Fluorobiphenyl	10.7	S
37	19.93	1.11	1723	-1	88	97	93217	bb	330	2,4,6-Tribromophenol	14.4	S
38	15.67	0.87	0	0	0	0	0		237	Hexachlorocyclopentadi	0.0	SP
39	16.00	0.89	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
40	16.08	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
41	16.49	0.92	0	0	0	0	0		162	2-Chloronaphthalene	0.0	
42	16.79	0.94	0	0	0	0	0		65	2-Nitroaniline	0.0	
43	17.31	0.97	0	0	0	0	0		163	Dimethylphthalate	0.0	
44	17.54	0.98	0	0	0	0	0		152	Acenaphthylene	0.0	
45	17.44	0.97	0	0	0	0	0		165	2,6-Dinitrotoluene	0.0	
46	17.84	1.00	0	0	0	0	0		138	3-Nitroaniline	0.0	
47	18.00	1.00	0	0	0	0	0		153	Acenapthene	0.0	MC
48	18.13	1.01	0	0	0	0	0		184	2,4-Dinitrophenol	0.0	SP
49	18.32	1.02	0	0	0	0	0		109	4-Nitrophenol	0.0	MS
50	18.44	1.03	0	0	0	0	0		168	Dibenzofuran	0.0	

6/14/94

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
51	18.46	1.03	0	0	0	0	0		165	2,4-Dinitrotoluene	0.0	M
52	19.14	1.07	0	0	0	0	0		149	Diethylphthalate	0.0	
53	19.37	1.08	0	0	0	0	0		204	4-Chlorophenyl-phenyle	0.0	
54	19.32	1.08	0	0	0	0	0		166	Fluorene	0.0	
55	19.40	1.08	0	0	0	0	0		138	4-Nitroaniline	0.0	
56	21.73	1.00	1903	1	91	98	5295081	M	188	Phenanthrene-d10	40.0	I
57	19.50	0.90	0	0	0	0	0		198	4,6-Dinitro-2-Methylph	0.0	
58	19.67	0.91	0	0	0	0	0		169	N-Nitrosodiphenylamine	0.0	CC
59	19.77	0.91	0	0	0	0	0		77	1,2-Diphenylhydrazine	0.0	NR
60	20.61	0.95	0	0	0	0	0		248	4-Bromophenyl-phenylet	0.0	
61	20.73	0.95	0	0	0	0	0		284	Hexachlorobenzene	0.0	
62	21.24	0.98	0	0	0	0	0		266	Pentachlorophenol	0.0	MC
63	21.78	1.00	0	0	0	0	0		178	Phenanthrene	0.0	
64	21.91	1.01	0	0	0	0	0		178	Anthracene	0.0	
65	22.35	1.03	0	0	0	0	0		167	Carbazole	0.0	
66	23.35	1.07	0	0	0	0	0		149	Di-n-Butylphthalate	0.0	
67	24.84	1.14	0	0	0	0	0		202	Fluoranthene	0.0	CC
68	28.71	1.00	2601	0	0	0	1603743	M	240	Chrysene-d12	40.0	I
69	25.88	0.90	0	0	0	0	0		244	Terphenyl-d14	0.0	
70	25.23	0.88	0	0	0	0	0		184	Benzidine	0.0	NR
71	25.42	0.89	0	0	0	0	0		202	Pyrene	0.0	M
72	27.20	0.95	0	0	0	0	0		149	Butylbenzylphthalate	0.0	
73	28.45	0.99	2575	-5	27	72	811653	M	252	3,3'-Dichlorobenzidine	~~53.7~~	
74	28.54	0.99	0	0	0	0	0		228	Benzo(a)anthracene	0.0	
75	28.63	1.00	0	0	0	0	0		228	Chrysene	0.0	
76	28.72	1.00	0	0	0	0	0		149	bis(2-ethylhexyl)phtha	0.0	
77	32.17	1.00	2947	6	67	93	1144142	v?	264	Perylene-d12	40.0	I
78	30.34	0.94	0	0	0	0	0		149	Di-n-Octylphthalate	0.0	CC
79	31.27	0.97	2857	4	10	65	574476	?v	252	Benzo(b)fluoranthene	~~12.8~~	
80	31.27	0.97	2857	0	0	0	0		252	Benzo(k)fluoranthene	0.0	
81	31.97	0.99	0	0	0	0	0		252	Benzo(a)pyrene	0.0	CC
82	35.49	1.10	0	0	0	0	0		276	Indeno(1,2,3-cd)pyrene	0.0	
83	35.58	1.11	0	0	0	0	0		278	Dibenz(a,h)anthracene	0.0	
84	36.85	1.15	3415	26	6	65	19816	M	276	Benzo(g,h,i)perylene	0.7	
85	3.48	0.34	0	0	0	0	0		79	Pyridine	0.0	
86	13.69	1.02	0	0	0	0	0		162	2,6-Dichlorophenol	0.0	
87	18.77	1.05	0	0	0	0	0		232	2,3,4,6-Tetrachlorophe	0.0	

4163P11

Corrected
06/13/94

QUAN DB : 4163P11 LAB-BASE QUAN 06/13/94 10:50

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	10.32	1.00	762	0	98	99	2464544	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	7.25	0.70	455	2	96	98	506875	bv	112	2-Fluorophenol	6.4	S
3	9.53	0.92	683	-1	97	98	1137649	bv	99	Phenol-d5	10.9	S
4	3.44	0.33	0	0	0	0	0		42	N-Nitrosodimethylamine	0.0	NR
5	9.57	0.93	0	0	0	0	0		94	Phenol	0.0	MC
6	9.54	0.92	0	0	0	0	0		93	Aniline	0.0	NR
7	9.76	0.95	0	0	0	0	0		93	bis(2-Chloroethyl)Ethe	0.0	
8	9.81	0.95	0	0	0	0	0		128	2-Chlorophenol	0.0	M
9	10.17	0.99	0	0	0	0	0		146	1,3-Dichlorobenzene	0.0	
10	10.36	1.00	0	0	0	0	0		146	1,4-Dichlorobenzene	0.0	MC
11	10.70	1.04	0	0	0	0	0		108	Benzyl alcohol	0.0	NR
12	10.71	1.04	0	0	0	0	0		146	1,2-Dichlorobenzene	0.0	
13	11.00	1.07	0	0	0	0	0		108	2-Methyphenol	0.0	
14	11.05	1.07	0	0	0	0	0		45	2,2'-oxybis(1-Chloropr	0.0	
15	11.39	1.10	0	0	0	0	0		108	4-Methylphenol	0.0	
16	11.37	1.10	0	0	0	0	0		70	N-Nitroso-Di-n-Propyla	0.0	MS
17	11.52	1.12	0	0	0	0	0		117	Hexachloroethane	0.0	
18	9.77	0.95	707	0	94	96	824366	bv	132	2-Chlorophenol-d4	9.2	S
19	10.67	1.03	797	0	95	97	395044	bv	152	1,2-Dichlorobenzene-d4	6.9	S
20	13.44	1.00	1074	-1	94	98	9178172	b?	136	Naphthalene-d8	40.0	I
21	11.67	0.87	897	0	94	96	767424	M	82	Nitrobenzene-d5	8.5	S
22	11.73	0.87	0	0	0	0	0		77	Nitrobenzene	0.0	
23	12.35	0.92	0	0	0	0	0		82	Isophorone	0.0	
24	12.51	0.93	0	0	0	0	0		139	2-Nitrophenol	0.0	
25	12.69	0.94	0	0	0	0	0		107	2,4-Dimethylphenol	0.0	CC
26	12.94	0.96	0	0	0	0	0		93	bis(2-Chloroethoxy)Met	0.0	
27	13.04	0.97	0	0	0	0	0		105	Benzoic acid	0.0	NR
28	13.12	0.98	0	0	0	0	0		162	2,4-Dichlorophenol	0.0	CC
29	13.32	0.99	0	0	0	0	0		180	1,2,4-Trichlorobenzene	0.0	M
30	13.50	1.00	0	0	0	0	0		128	Naphthalene	0.0	
31	13.68	1.02	0	0	0	0	0		127	4-Chloroaniline	0.0	
32	13.84	1.03	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
33	14.95	1.11	0	0	0	0	0		107	4-Chloro-3-Methylpheno	0.0	MC
34	15.26	1.14	0	0	0	0	0		142	2-Methylnaphthalene	0.0	
35	17.92	1.00	1522	1	97	98	4274938	bv	164	Acenaphthene-d10	40.0	I
36	16.23	0.91	1353	-1	93	99	1400359	bv	172	2-Fluorobiphenyl	10.7	S
37	19.93	1.11	1723	-1	88	97	90098	M	330	2,4,6-Tribromophenol	4.3	S
38	15.67	0.87	0	0	0	0	0		237	Hexachlorocyclopentadi	0.0	SP
39	16.00	0.89	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
40	16.08	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
41	16.49	0.92	0	0	0	0	0		162	2-Chloronaphthalene	0.0	
42	16.79	0.94	0	0	0	0	0		65	2-Nitroaniline	0.0	
43	17.31	0.97	0	0	0	0	0		163	Dimethylphthalate	0.0	
44	17.54	0.98	0	0	0	0	0		152	Acenaphthylene	0.0	
45	17.44	0.97	0	0	0	0	0		165	2,6-Dinitrotoluene	0.0	
46	17.84	1.00	0	0	0	0	0		138	3-Nitroaniline	0.0	
47	18.00	1.00	0	0	0	0	0		153	Acenapthene	0.0	MC
48	18.13	1.01	0	0	0	0	0		184	2,4-Dinitrophenol	0.0	SP
49	18.32	1.02	0	0	0	0	0		109	4-Nitrophenol	0.0	MS
50	18.44	1.03	0	0	0	0	0		168	Dibenzofuran	0.0	

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
51	18.46	1.03	0	0	0	0	0		165	2,4-Dinitrotoluene	0.0	M
52	19.14	1.07	0	0	0	0	0		149	Diethylphthalate	0.0	
53	19.37	1.08	0	0	0	0	0		204	4-Chlorophenyl-phenyle	0.0	
54	19.32	1.08	0	0	0	0	0		166	Fluorene	0.0	
55	19.40	1.08	0	0	0	0	0		138	4-Nitroaniline	0.0	
56	21.73	1.00	1903	1	91	98	5295081	M	188	Phenanthrene-d10	40.0	I
57	19.50	0.90	0	0	0	0	0		198	4,6-Dinitro-2-Methylph	0.0	
58	19.67	0.91	0	0	0	0	0		169	N-Nitrosodiphenylamine	0.0	CC
59	19.77	0.91	0	0	0	0	0		77	1,2-Diphenylhydrazine	0.0	NR
60	20.61	0.95	0	0	0	0	0		248	4-Bromophenyl-phenylet	0.0	
61	20.73	0.95	0	0	0	0	0		284	Hexachlorobenzene	0.0	
62	21.24	0.98	0	0	0	0	0		266	Pentachlorophenol	0.0	MC
63	21.78	1.00	0	0	0	0	0		178	Phenanthrene	0.0	
64	21.91	1.01	0	0	0	0	0		178	Anthracene	0.0	
65	22.35	1.03	0	0	0	0	0		167	Carbazole	0.0	
66	23.35	1.07	0	0	0	0	0		149	Di-n-Butylphthalate	0.0	
67	24.84	1.14	0	0	0	0	0		202	Fluoranthene	0.0	CC
68	28.71	1.00	2601	0	0	0	1603743	M	240	Chrysene-d12	40.0	I
69	25.95	0.90	2325	0	0	0	439622	M	244	Terphenyl-d14	9.6	S
70	25.23	0.88	0	0	0	0	0		184	Benzidine	0.0	NR
71	25.42	0.89	0	0	0	0	0		202	Pyrene	0.0	M
72	27.20	0.95	0	0	0	0	0		149	Butylbenzylphthalate	0.0	
73	28.45	0.99	2575	-5	27	72	811653	M	252	3,3'-Dichlorobenzidine	~~57.7~~	Bnn
74	28.54	0.99	0	0	0	0	0		228	Benzo(a)anthracene	0.0	
75	28.63	1.00	0	0	0	0	0		228	Chrysene	0.0	
76	28.72	1.00	0	0	0	0	0		149	bis(2-ethylhexyl)phtha	0.0	
77	32.17	1.00	2947	6	67	93	1144142	v?	264	Perylene-d12	40.0	I
78	30.34	0.94	0	0	0	0	0		149	Di-n-Octylphthalate	0.0	CC
79	31.27	0.97	2857	4	10	65	574476	?v	252	Benzo(b)fluoranthene	~~12.5~~	Bnn
80	31.27	0.97	2857	0	0	0	0		252	Benzo(k)fluoranthene	0.0	
81	31.97	0.99	0	0	0	0	0		252	Benzo(a)pyrene	0.0	CC
82	35.49	1.10	0	0	0	0	0		276	Indeno(1,2,3-cd)pyrene	0.0	
83	35.58	1.11	0	0	0	0	0		278	Dibenz(a,h)anthracene	0.0	
84	36.85	1.15	3415	26	6	65	19816	M	276	Benzo(g,h,i)perylene	0.7	
85	3.48	0.34	0	0	0	0	0		79	Pyridine	0.0	
86	13.69	1.02	0	0	0	0	0		162	2,6-Dichlorophenol	0.0	
87	18.77	1.05	0	0	0	0	0		232	2,3,4,6-Tetrachlorophe	0.0	

4163P11

Datafile : 4163F11

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	500690	2464544	2002760****
Naphthalene-d8	2055962	9178172	8223848****
Acenaphthene-d10	1208980	4274938	4835920
Phenanthrene-d10	2076334	5295081	8305336
Chrysene-d12	1308625	1603743	5234500
Perylene-d12	996407	1144142	3985628

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	10.32	10.32
Naphthalene-d8	13.45	13.44
Acenaphthene-d10	17.91	17.92
Phenanthrene-d10	21.72	21.73
Chrysene-d12	28.56	28.71
Perylene-d12	32.11	32.17

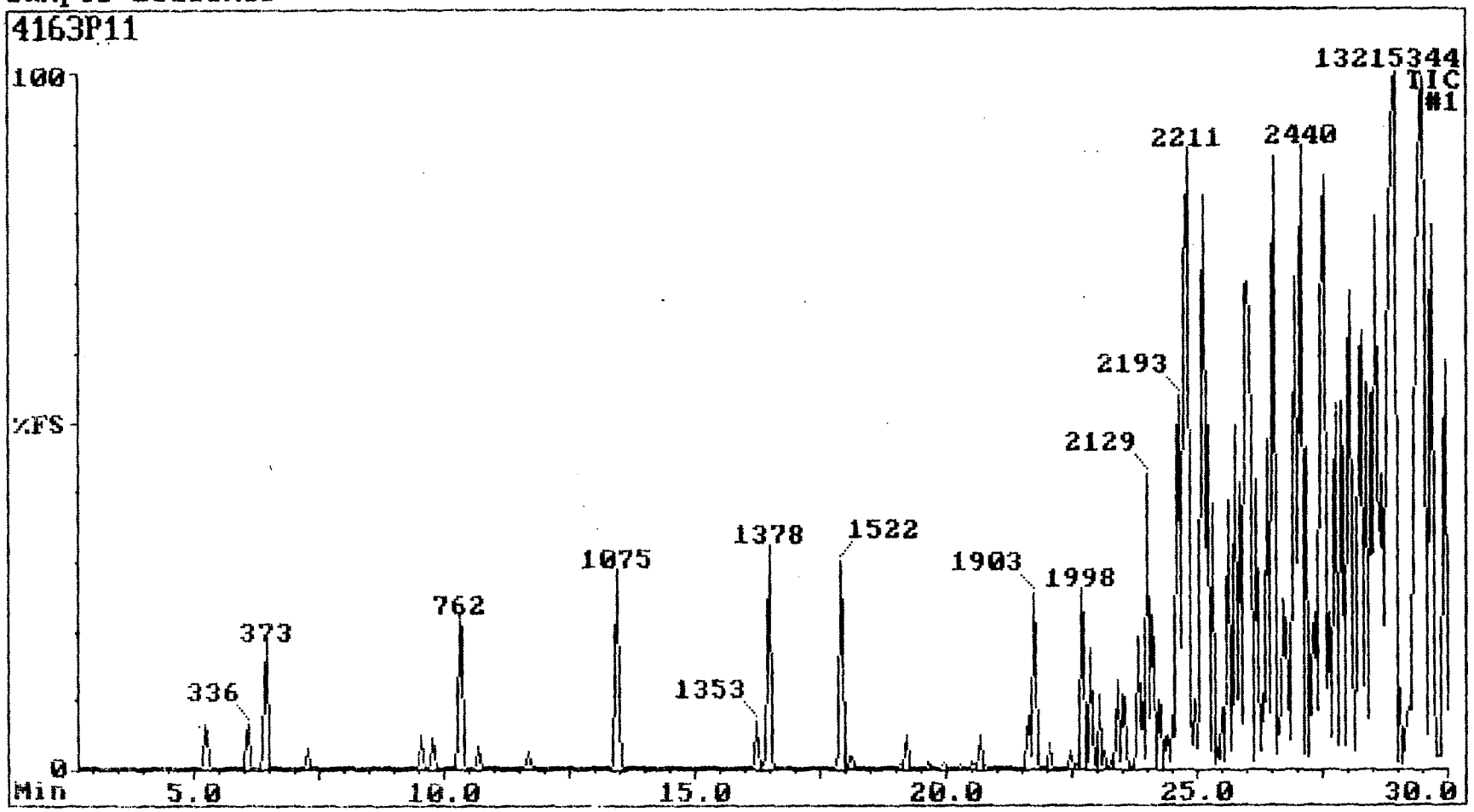
Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
		X10				
2-Fluorophenol	6	4.3	(25-121)	(21-110)	bv	506875
Phenol-d5	11	7.2	(24-113)	(10-110)	bv	1137649
2-Chlorophenol-d4	9	6.1	(20-130)	(33-110)	bv	824366
1,2-Dichlorobenzene-d4	7	6.9	(20-130)	(16-110)	bv	395044
Nitrobenzene-d5	9	8.5	(23-120)	(35-114)		767424
2-Fluorobiphenyl	11	10.7	(30-115)	(43-116)	bv	1400359
2,4,6-Tribromophenol	4	3.0	(19-122)	(10-123)	bb	93217
Terphenyl-d14	0	0.0	(18-137)	(33-141)		0

check

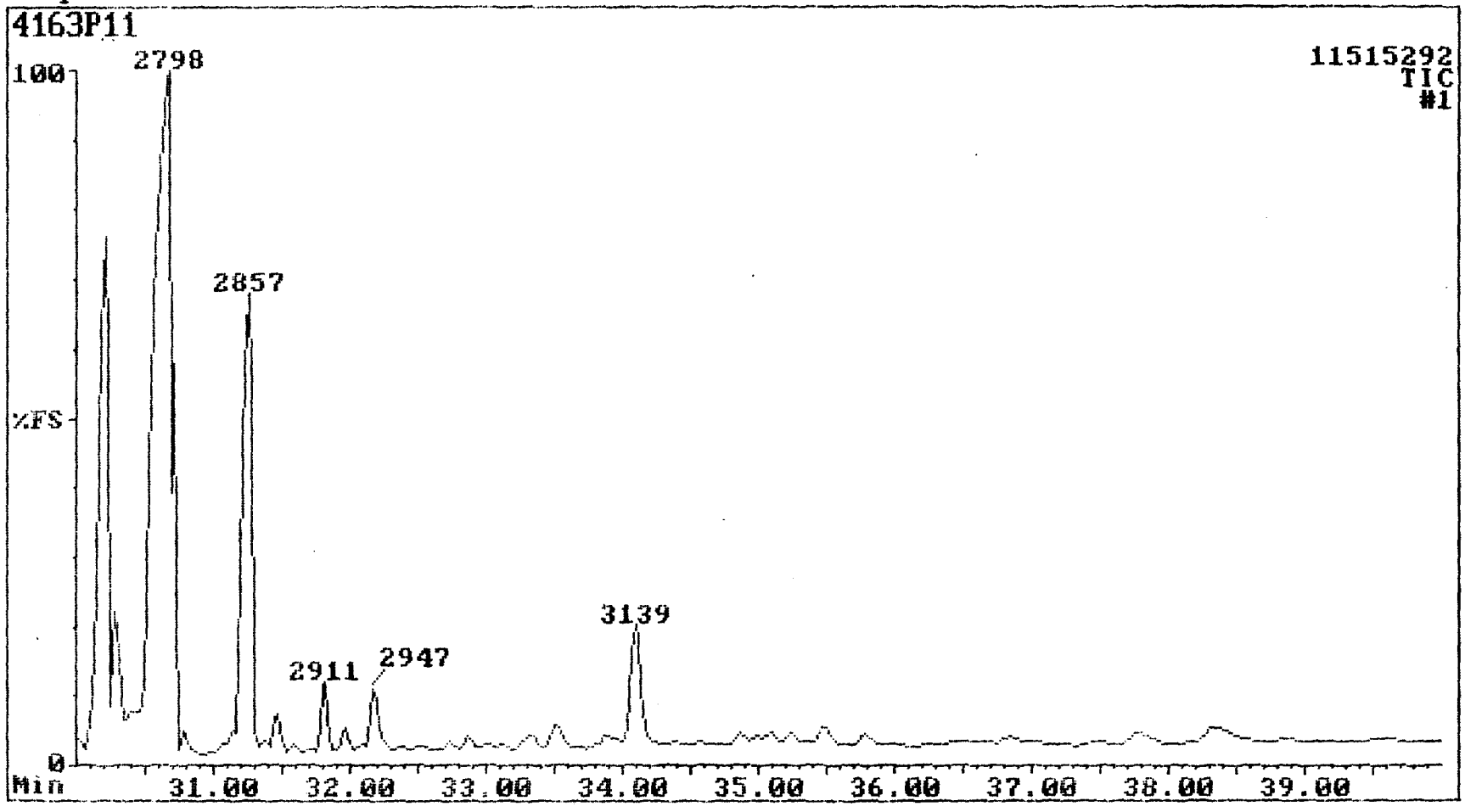
appears to be 25160 Gnm

4163P11 06/13/94 03:23 VGTRI01A GNM
Sample:25160MSD ECOL HPN:5039



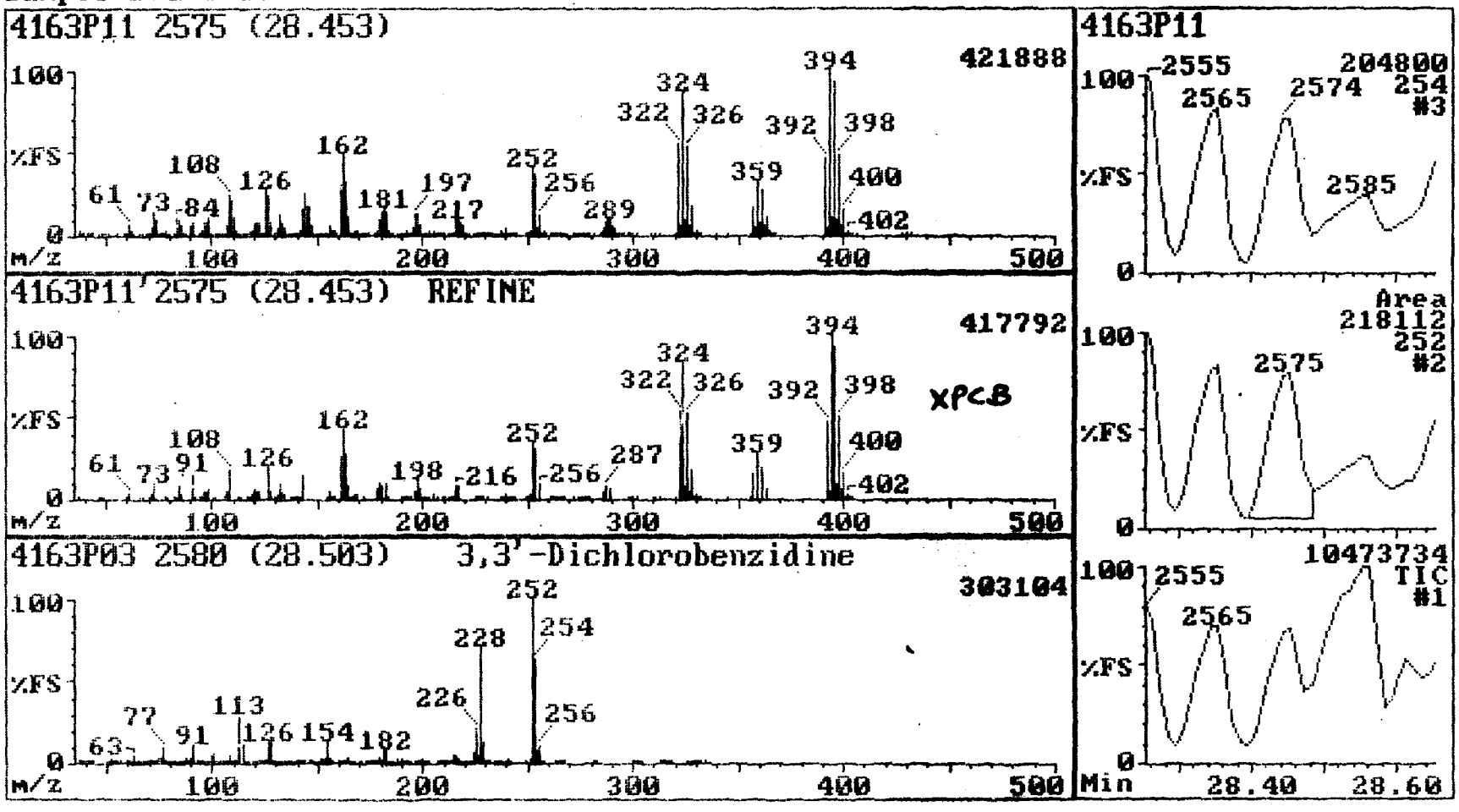
appears to be 25160 Anm

4163P11 06/13/94 03:23 VGTRI01A GNM
Sample:25160MSD ECOL HPN:5039



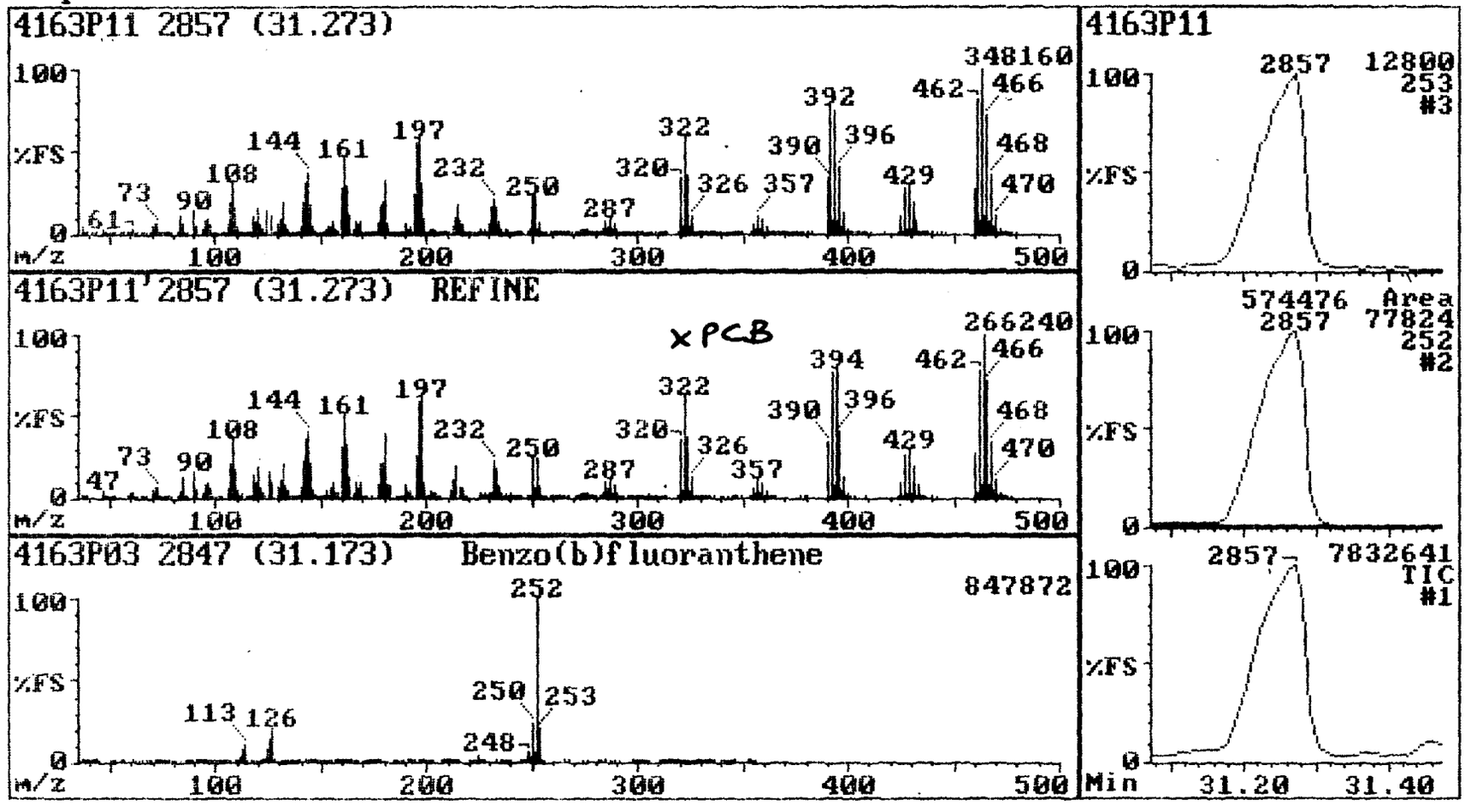
appears to be 25160 Gnm

4163P11 06/13/94 03:23 VGTRI01A GNM
Sample:25160MSD ECOL HPN:5039



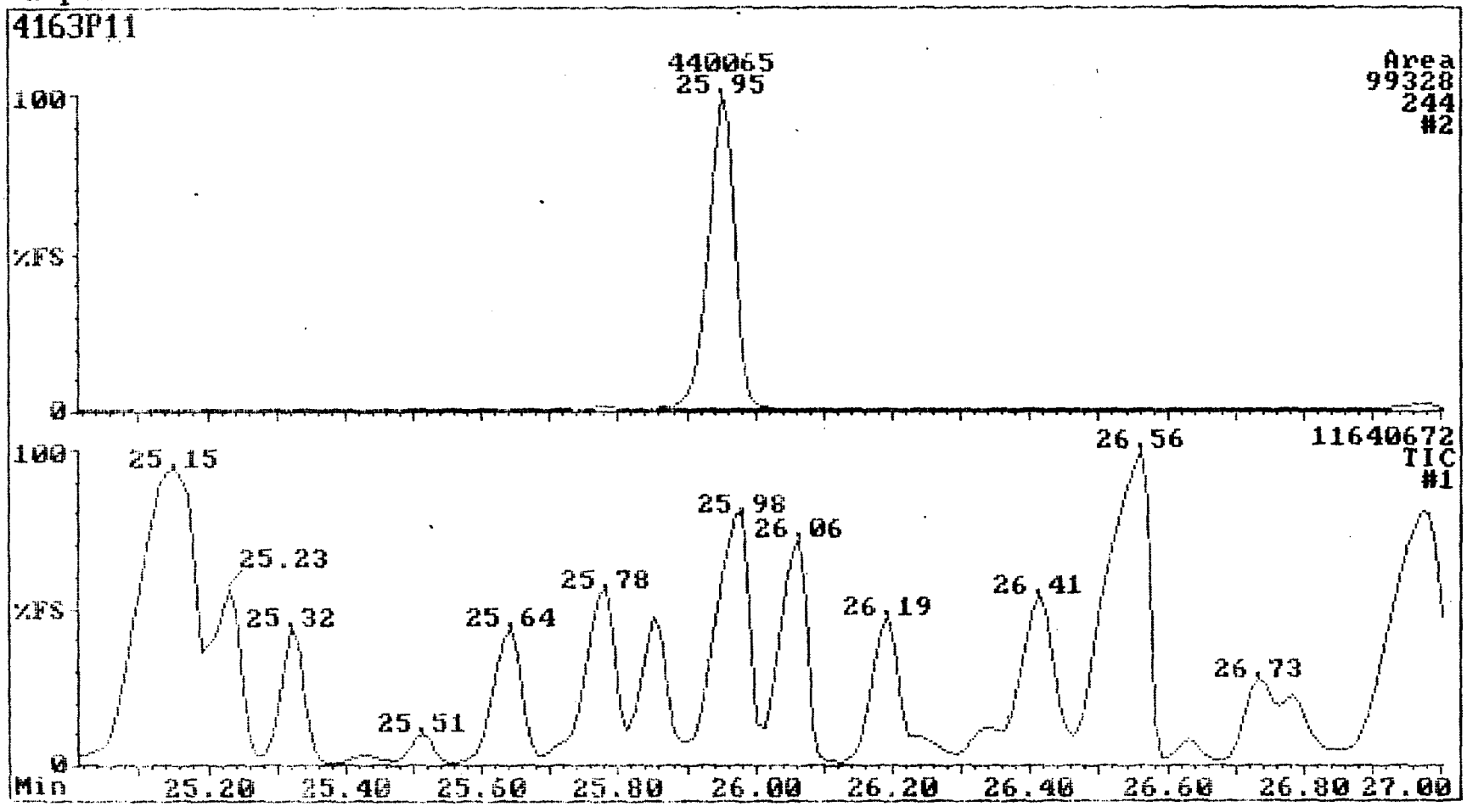
appears to be 25160 GNM

4163P11 06/13/94 03:23 VGTRI01A GNM
Sample:25160MSD ECOL HPN:5039



appears to be 25160 Gnm

4163P11 06/13/94 03:23 VGTRI01A GNM
Sample:25160MSD ECOL HPN:5039



✓ 06/13/94

Interim Report LAB-BASE FIND 06/13/94 07:57

Raw Datafile : 4163P11 Quan DB : 4163P11
Find DB : SV8270 Scan DB : 4163P11

No.	Spectrum MAT	Scan FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	98	99	0	2464544	bb	762	762	152	1,4-Dichlorobenzene-d4
2	100	96	98	2	506875	bv	455	453	112	2-Fluorophenol
3	100	97	98	-1	1137649	bv	683	684	99	Phenol-d5
4	*** No Trace Found ***					*		74	42	N-Nitrosodimethylamine
5	*** No Trace Found ***							687	94	Phenol
6	*** No Trace Found ***							684	93	Aniline
7	*** No Trace Found ***							706	93	bis(2-Chloroethyl)Ether
8	*** No Trace Found ***							711	128	2-Chlorophenol
9	*** No Trace Found ***							747	146	1,3-Dichlorobenzene
10	*** No Trace Found ***							766	146	1,4-Dichlorobenzene
11	*** No Trace Found ***							800	108	Benzyl alcohol
12	*** No Trace Found ***							801	146	1,2-Dichlorobenzene
13	*** No Trace Found ***							830	108	2-Methyphenol
14	*** No Trace Found ***							835	45	2,2'-oxybis(1-Chloropropan
15	*** No Trace Found ***							869	108	4-Methylphenol
16	*** No Trace Found ***							867	70	N-Nitroso-Di-n-Propylamine
17	*** No Trace Found ***							882	117	Hexachloroethane
18	100	94	96	0	824366	bv	707	707	132	2-Chlorophenol-d4
19	100	95	97	0	395044	bv	797	797	152	1,2-Dichlorobenzene-d4
20	100	94	98	-1	9178172	b?	1074	1075	136	Naphthalene-d8
21	100	94	98	0	744068	b?	897	897	82	Nitrobenzene-d5
22	*** No Trace Found ***					*		902	77	Nitrobenzene
23	*** No Trace Found ***							964	82	Isophorone
24	*** No Trace Found ***							980	139	2-Nitrophenol
25	*** No Trace Found ***							998	107	2,4-Dimethylphenol
26	*** No Trace Found ***							1023	93	bis(2-Chloroethoxy)Methane
27	*** No Trace Found ***							1033	105	Benzoic acid
28	*** No Trace Found ***							1041	162	2,4-Dichlorophenol
29	*** No Trace Found ***							1061	180	1,2,4-Trichlorobenzene
30	*** No Trace Found ***							1079	128	Naphthalene
31	*** No Trace Found ***							1097	127	4-Chloroaniline
32	*** No Trace Found ***							1113	225	Hexachlorobutadiene
33	*** No Trace Found ***							1224	107	4-Chloro-3-Methylphenol
34	*** No Trace Found ***							1255	142	2-Methylnaphthalene
35	100	97	98	1	4274938	bv	1522	1521	164	Acenaphthene-d10
36	100	93	99	-1	1400359	bv	1353	1354	172	2-Fluorobiphenyl
37	100	88	97	-1	93217	bb	1723	1724	330	2,4,6-Tribromophenol
38	*** No Trace Found ***					*		1298	237	Hexachlorocyclopentadiene
39	*** No Trace Found ***							1331	196	2,4,6-Trichlorophenol
40	*** No Trace Found ***							1339	196	2,4,5-Trichlorophenol
41	*** No Trace Found ***							1380	162	2-Chloronaphthalene
42	*** No Trace Found ***							1410	65	2-Nitroaniline
43	*** No Trace Found ***							1462	163	Dimethylphthalate
44	*** No Trace Found ***							1485	152	Acenaphthylene
45	*** No Trace Found ***							1475	165	2,6-Dinitrotoluene
46	*** No Trace Found ***							1515	138	3-Nitroaniline
47	*** No Trace Found ***							1531	153	Acenapthene
48	*** No Trace Found ***							1544	184	2,4-Dinitrophenol
49	*** No Trace Found ***							1563	109	4-Nitrophenol
50	*** No Trace Found ***							1575	168	Dibenzofuran

52	*** No Trace Found ***								1645	149	Diethylphthalate
53	*** No Trace Found ***								1668	204	4-Chlorophenyl-phenylether
54	*** No Trace Found ***								1663	166	Fluorene
55	*** No Trace Found ***								1671	138	4-Nitroaniline
56	100	91	98	1	5750271	?v	1903		1902	188	Phenanthrene-d10
57	*** No Trace Found ***							*	1681	198	4,6-Dinitro-2-Methylphenol
58	*** No Trace Found ***								1698	169	N-Nitrosodiphenylamine
59	*** No Trace Found ***								1708	77	1,2-Diphenylhydrazine
60	*** No Trace Found ***								1792	248	4-Bromophenyl-phenylether
61	*** No Trace Found ***								1804	284	Hexachlorobenzene
62	*** No Trace Found ***								1855	266	Pentachlorophenol
63	*** No Trace Found ***								1909	178	Phenanthrene
64	*** No Trace Found ***								1922	178	Anthracene
65	*** No Trace Found ***								1966	167	Carbazole
66	*** No Trace Found ***								2066	149	Di-n-Butylphthalate
67	*** No Trace Found ***								2215	202	Fluoranthene
~~68~~	*** No Trace Found ***								2586	240	Chrysene-d12
69	*** No Trace Found ***								2318	244	Terphenyl-d14
70	*** No Trace Found ***								2253	184	Benzidine
71	*** No Trace Found ***								2272	202	Pyrene
72	*** No Trace Found ***								2450	149	Butylbenzylphthalate
73	46	27	72	-5	668928	bb	2575		2580	252	3,3'-Dichlorobenzidine
74	*** No Trace Found ***								2584	228	Benzo(a)anthracene
75	*** No Trace Found ***								2593	228	Chrysene
76	*** No Trace Found ***								2602	149	bis(2-ethylhexyl)phthalate
77	63	67	93	6	1144142	v?	2947		2941	264	Perylene-d12
78	*** No Trace Found ***								2770	149	Di-n-Octylphthalate
79	37	10	65	4	574476	?v	2857		2853	252	Benzo(b)fluoranthene
2 ~~80~~	37	10	64	-3	574476	?v	2857		2860	252	Benzo(k)fluoranthene
81	*** No Trace Found ***								2933	252	Benzo(a)pyrene
82	*** No Trace Found ***								3286	276	Indeno(1,2,3-cd)pyrene
83	*** No Trace Found ***								3295	278	Dibenz(a,h)anthracene
84	35	6	65	26	4120	!!	3415		3389	276	Benzo(g,h,i)perylene
	33	6	64	30	2015	!!	3419				
	31	6	63	34	1742	!!	3423				
85	*** No Trace Found ***								78	79	Pyridine
86	*** No Trace Found ***								1098	162	2,6-Dichlorophenol
87	*** No Trace Found ***								1608	232	2,3,4,6-Tetrachlorophenol

found

4163P 11

Ann
06/13/94

QUAN DB : 4163P10 LAB-BASE QUAN 06/13/94 09:37

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	10.31	1.00	761	-1	97	99	1006785	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	7.24	0.70	454	2	96	98	379546	b?	112	2-Fluorophenol	11.7	S
3	9.52	0.92	682	-1	95	98	586164	bv	99	Phenol-d5	13.7	S
4	3.44	0.33	0	0	0	0	0		42	N-Nitrosodimethylamine	0.0	NR
5	9.55	0.93	685	-1	93	97	631326	bb	94	Phenol	12.8	MC
6	9.54	0.93	0	0	0	0	0		93	Aniline	0.0	NR
7	9.76	0.95	0	0	0	0	0		93	bis(2-Chloroethyl)Ethe	0.0	
8	9.80	0.95	710	0	93	99	480348	bv	128	2-Chlorophenol	12.8	M
9	10.17	0.99	0	0	0	0	0		146	1,3-Dichlorobenzene	0.0	
10	10.35	1.00	765	0	93	99	326583	bv	146	1,4-Dichlorobenzene	8.5	MC
11	10.70	1.04	0	0	0	0	0		108	Benzyl alcohol	0.0	NR
12	10.71	1.04	0	0	0	0	0		146	1,2-Dichlorobenzene	0.0	
13	11.00	1.07	0	0	0	0	0		108	2-Methyphenol	0.0	
14	11.05	1.07	0	0	0	0	0		45	2,2'-oxybis(1-Chloropr	0.0	
15	11.39	1.10	0	0	0	0	0		108	4-Methylphenol	0.0	
16	11.35	1.10	865	-1	96	99	198858	bb	70	N-Nitroso-Di-n-Propyla	8.0	MS
17	11.52	1.12	0	0	0	0	0		117	Hexachloroethane	.0.0	
18	9.76	0.95	706	0	93	96	476498	bv	132	2-Chlorophenol-d4	13.0	S
19	10.67	1.03	797	1	95	97	202400	bv	152	1,2-Dichlorobenzene-d4	8.7	S
20	13.44	1.00	1074	-1	94	98	3961100	b?	136	Naphthalene-d8	40.0	I
21	11.67	0.87	897	0	93	98	336692	bv	82	Nitrobenzene-d5	8.7	S
22	11.73	0.87	0	0	0	0	0		77	Nitrobenzene	0.0	
23	12.35	0.92	0	0	0	0	0		82	Isophorone	0.0	
24	12.51	0.93	0	0	0	0	0		139	2-Nitrophenol	0.0	
25	12.69	0.94	0	0	0	0	0		107	2,4-Dimethylphenol	0.0	CC
26	12.94	0.96	0	0	0	0	0		93	bis(2-Chloroethoxy)Met	0.0	
27	13.04	0.97	0	0	0	0	0		105	Benzoic acid	0.0	NR
28	13.12	0.98	0	0	0	0	0		162	2,4-Dichlorophenol	0.0	CC
29	13.31	0.99	1061	0	96	98	291181	bv	180	1,2,4-Trichlorobenzene	9.4	M
30	13.50	1.00	0	0	0	0	0		128	Naphthalene	0.0	
31	13.68	1.02	0	0	0	0	0		127	4-Chloroaniline	0.0	
32	13.84	1.03	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
33	14.96	1.11	1226	2	96	99	445208	bb	107	4-Chloro-3-Methylpheno	12.8	MC
34	15.26	1.14	0	0	0	0	0		142	2-Methylnaphthalene	0.0	
35	17.91	1.00	1521	0	97	98	1887415	b?	164	Acenaphthene-d10	40.0	I
36	16.23	0.91	1353	0	93	99	646948	bv	172	2-Fluorobiphenyl	11.2	S
37	19.93	1.11	1723	0	89	97	82850	bv	330	2,4,6-Tribromophenol	7.0	S
38	15.67	0.87	0	0	0	0	0		237	Hexachlorocyclopentadi	0.0	SP
39	16.00	0.89	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
40	16.08	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
41	16.49	0.92	0	0	0	0	0		162	2-Chloronaphthalene	0.0	
42	16.79	0.94	0	0	0	0	0		65	2-Nitroaniline	0.0	
43	17.31	0.97	0	0	0	0	0		163	Dimethylphthalate	0.0	
44	17.54	0.98	1484	0	28	63	9200	bb	152	Acenaphthylene	0.1	
45	17.44	0.97	0	0	0	0	0		165	2,6-Dinitrotoluene	0.0	
46	17.84	1.00	0	0	0	0	0		138	3-Nitroaniline	0.0	
47	17.99	1.00	1529	-1	96	99	452495	bv	153	Acenapthene	7.9	MC
48	18.13	1.01	0	0	0	0	0		184	2,4-Dinitrophenol	0.0	SP
49	18.35	1.02	1565	3	89	94	54719	M	109	4-Nitrophenol	8.4	MS
50	18.44	1.03	0	0	0	0	0		168	Dibenzofuran	0.0	

6/14/94

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
51	18.45	1.03	1575	-1	90	98	136220	bv	165	2,4-Dinitrotoluene	7.7	
52	19.14	1.07	0	0	0	0	0		149	Diethylphthalate	0.0	
53	19.37	1.08	0	0	0	0	0		204	4-Chlorophenyl-phenyle	0.0	
54	19.32	1.08	0	0	0	0	0		166	Fluorene	0.0	
55	19.40	1.08	0	0	0	0	0		138	4-Nitroaniline	0.0	
56	21.72	1.00	1902	0	92	98	2512000	M	188	Phenanthrene-d10	40.0	I
57	19.50	0.90	0	0	0	0	0		198	4,6-Dinitro-2-Methylph	0.0	
58	19.67	0.91	0	0	0	0	0		169	N-Nitrosodiphenylamine	0.0	CC
59	19.77	0.91	0	0	0	0	0		77	1,2-Diphenylhydrazine	0.0	NR
60	20.61	0.95	0	0	0	0	0		248	4-Bromophenyl-phenylet	0.0	
61	20.73	0.95	0	0	0	0	0		284	Hexachlorobenzene	0.0	
62	21.25	0.98	1855	1	87	98	59156	M	266	Pentachlorophenol	7.6	
63	21.78	1.00	0	0	0	0	0		178	Phenanthrene	0.0	
64	21.91	1.01	0	0	0	0	0		178	Anthracene	0.0	
65	22.35	1.03	0	0	0	0	0		167	Carbazole	0.0	
66	23.35	1.08	0	0	0	0	0		149	Di-n-Butylphthalate	0.0	
67	24.84	1.14	0	0	0	0	0		202	Fluoranthene	0.0	CC
68	28.63	1.00	2593	7	30	90	521541	vb	240	Chrysene-d12	40.0	I
69	25.92	0.91	2322	-2	23	67	253564	bv	244	Terphenyl-d14	16.9	S
70	25.23	0.88	0	0	0	0	0		184	Benzidine	0.0	NR
71	25.45	0.89	2275	-3	83	99	353190	bv	202	Pyrene	16.7	
72	27.20	0.95	0	0	0	0	0		149	Butylbenzylphthalate	0.0	
73	28.62	1.00	2592	5	23	76	219464	M	252	3,3'-Dichlorobenzidine	~~44.7~~	Gn
74	28.54	1.00	0	0	0	0	0		228	Benzo(a)anthracene	0.0	
75	28.63	1.00	0	0	0	0	0		228	Chrysene	0.0	
76	28.72	1.00	0	0	0	0	0		149	bis(2-ethylhexyl)phtha	0.0	
77	32.15	1.00	2945	3	54	92	341544	M	264	Perylene-d12	40.0	I
78	30.34	0.94	0	0	0	0	0		149	Di-n-Octylphthalate	0.0	CC
79	31.21	0.97	2851	1	10	62	267503	bv	252	Benzo(b)fluoranthene	~~28.6~~	Gn
80	31.21	0.97	2851	0	0	0	0		252	Benzo(k)fluoranthene	0.0	
81	31.97	0.99	0	0	0	0	0		252	Benzo(a)pyrene	0.0	CC
82	35.49	1.10	0	0	0	0	0		276	Indeno(1,2,3-cd)pyrene	0.0	
83	35.58	1.11	0	0	0	0	0		278	Dibenz(a,h)anthracene	0.0	
84	36.52	1.14	0	0	0	0	0		276	Benzo(g,h,i)perylene	0.0	
85	3.48	0.34	0	0	0	0	0		79	Pyridine	0.0	
86	13.69	1.02	0	0	0	0	0		162	2,6-Dichlorophenol	0.0	
87	18.77	1.05	0	0	0	0	0		232	2,3,4,6-Tetrachlorophe	0.0	

4163P10

Datafile : 4163P10

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	500690	1006785	2002760
Naphthalene-d8	2055962	3961100	8223848
Acenaphthene-d10	1208980	1887415	4835920
Phenanthrene-d10	2076334	2512000	8305336
Chrysene-d12	1308625	521541	5234500****
Perylene-d12	996407	341544	3985628****

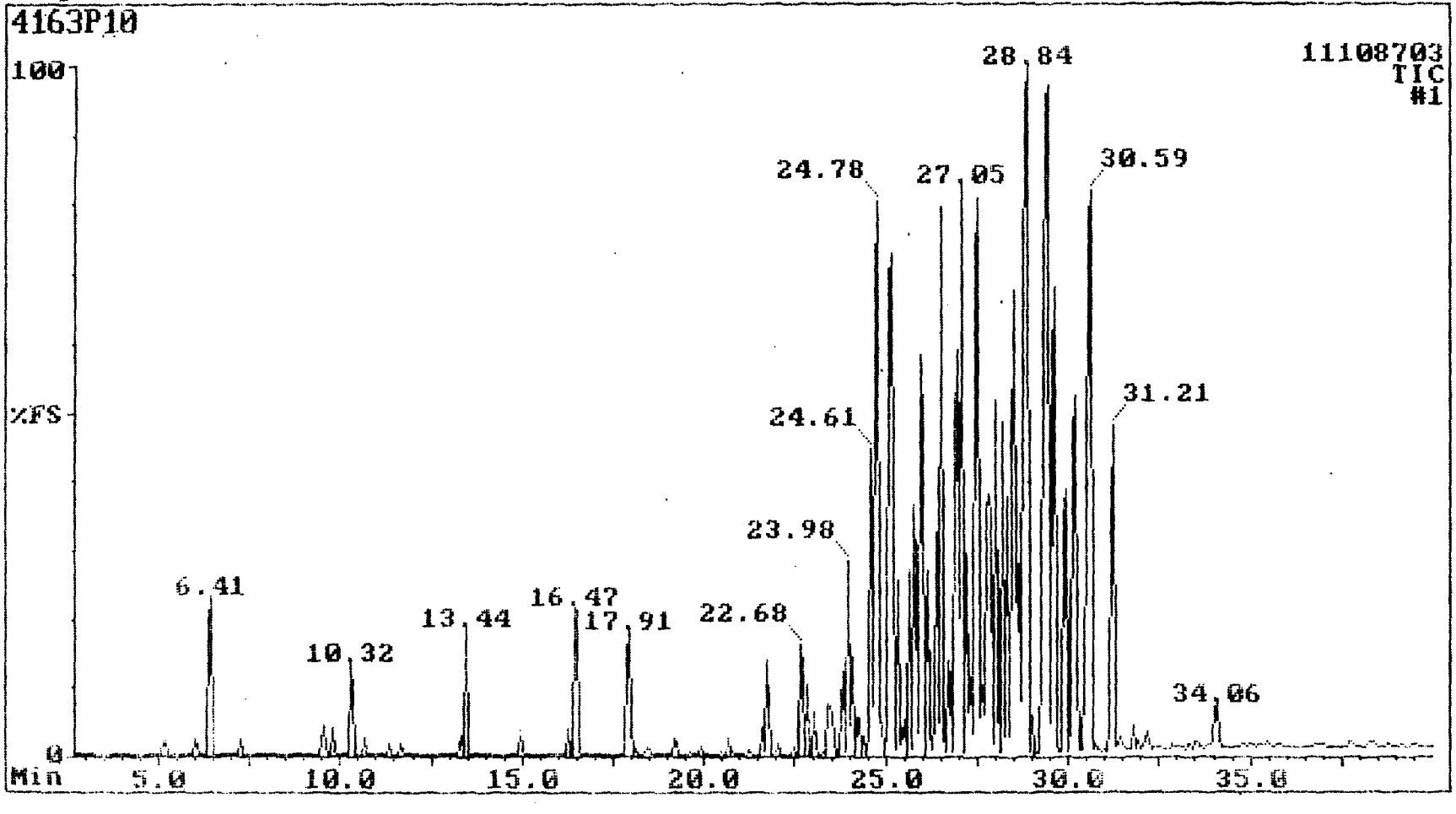
Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	10.32	10.31
Naphthalene-d8	13.45	13.44
Acenaphthene-d10	17.91	17.91
Phenanthrene-d10	21.72	21.72
Chrysene-d12	28.56	28.63
Perylene-d12	32.11	32.15

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
		X10				
2-Fluorophenol	12	7.8	(25-121)	(21-110)	b?	379546
Phenol-d5	14	9.1	(24-113)	(10-110)	bv	586164
2-Chlorophenol-d4	13	8.7	(20-130)	(33-110)	bv	476498
1,2-Dichlorobenzene-d4	9	8.7	(20-130)	(16-110)	bv	202400
Nitrobenzene-d5	9	8.7	(23-120)	(35-114)	bv	336692
2-Fluorobiphenyl	11	11.2	(30-115)	(43-116)	bv	646948
2,4,6-Tribromophenol	9	6.0	(19-122)	(10-123)	bv	82850
Terphenyl-d14	17	16.9	(18-137)	(33-141)	bv	253564

4163P10 06/13/94 02:35 VGTRI01A GNM
Sample:25160MS ECOL HPN:5039



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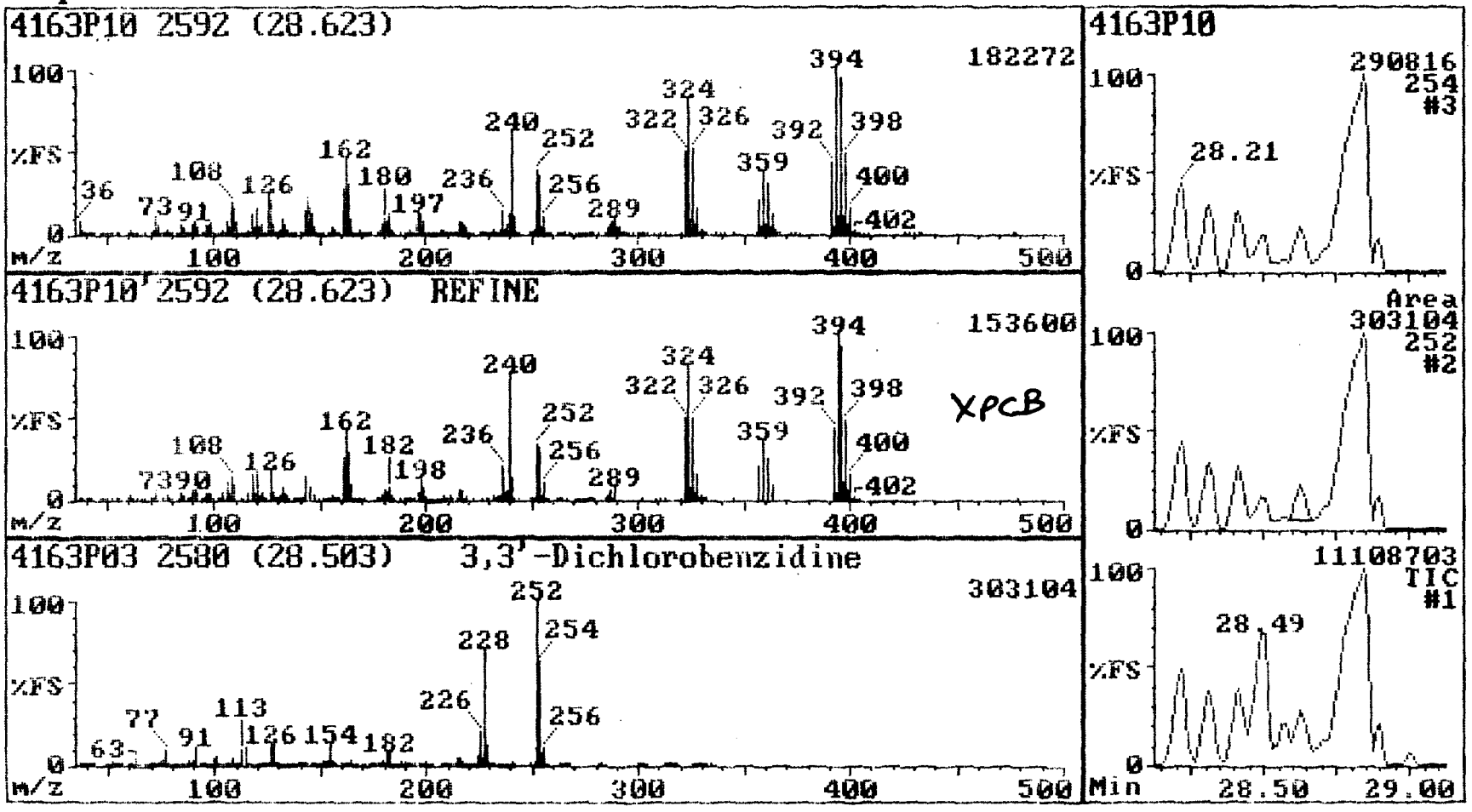
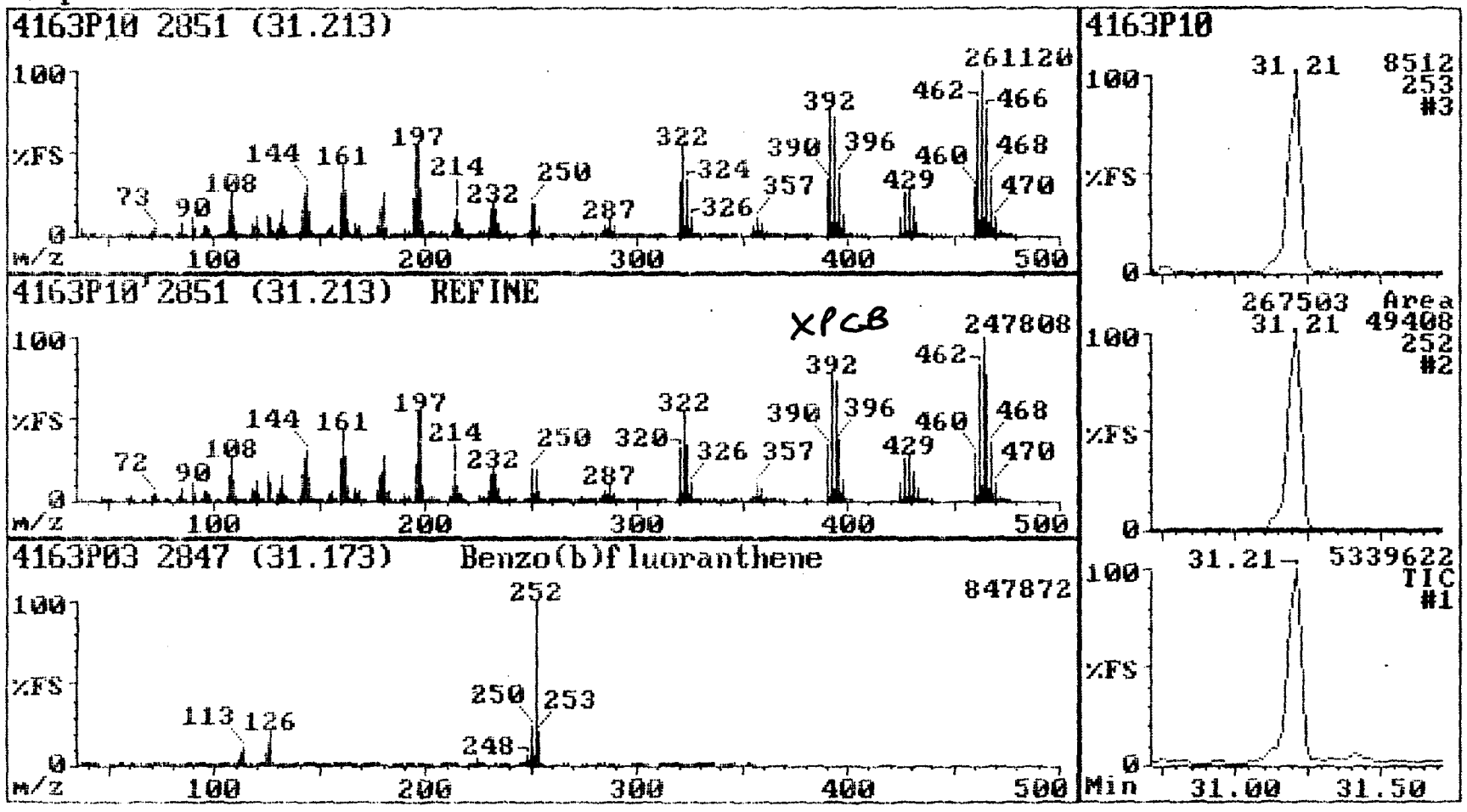
Sample:25160MS ECOL HPN:5039



4163P10 06/13/94 02:35 VGTR101A GNM
Sample:25160MS ECOL HPN:5039



✓
Jnm
06/13/94

Interim Report LAB-BASE FIND 06/13/94 07:5=

Raw Datafile : 4163P10
Find DB : SV8270

Quan DB : 4163P10
Scan DB : 4163P10

No.	MAT	Spectrum FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	97	99	-1	1006785	bv	761	762	152	1,4-Dichlorobenzene-d4
2	100	96	98	2	379546	b?	454	452	112	2-Fluorophenol
3	100	95	98	-1	586164	bv	682	683	99	Phenol-d5
4	*** No Trace Found ***					*		74	42	N-Nitrosodimethylamine
5	100	93	97	-1	631326	bb	685	686	94	Phenol
6	*** No Trace Found ***					*		683	93	Aniline
7	*** No Trace Found ***							705	93	bis(2-Chloroethyl)Ether
8	100	93	99	0	480348	bv	710	710	128	2-Chlorophenol
9	*** No Trace Found ***					*		746	146	1,3-Dichlorobenzene
10	100	93	99	0	326583	bv	765	765	146	1,4-Dichlorobenzene
11	*** No Trace Found ***					*		799	108	Benzyl alcohol
12	*** No Trace Found ***							800	146	1,2-Dichlorobenzene
13	*** No Trace Found ***							829	108	2-Methyphenol
14	*** No Trace Found ***							834	45	2,2'-oxybis(1-Chloropropan
15	*** No Trace Found ***							868	108	4-Methylphenol
16	100	96	99	-1	198858	bb	865	866	70	N-Nitroso-Di-n-Propylamine
17	*** No Trace Found ***					*		881	117	Hexachloroethane
18	100	93	96	0	476498	bv	706	706	132	2-Chlorophenol-d4
19	100	95	97	1	202400	bv	797	796	152	1,2-Dichlorobenzene-d4
20	100	94	98	-1	3961100	b?	1074	1075	136	Naphthalene-d8
21	100	93	98	0	336692	bv	897	897	82	Nitrobenzene-d5
22	*** No Trace Found ***					*		902	77	Nitrobenzene
23	*** No Trace Found ***							964	82	Isophorone
24	*** No Trace Found ***							980	139	2-Nitrophenol
25	*** No Trace Found ***							998	107	2,4-Dimethylphenol
26	*** No Trace Found ***							1023	93	bis(2-Chloroethoxy)Methane
27	*** No Trace Found ***							1033	105	Benzoic acid
28	*** No Trace Found ***							1041	162	2,4-Dichlorophenol
29	100	96	98	0	291181	bv	1061	1061	180	1,2,4-Trichlorobenzene
30	*** No Trace Found ***					*		1079	128	Naphthalene
31	*** No Trace Found ***							1097	127	4-Chloroaniline
32	*** No Trace Found ***							1113	225	Hexachlorobutadiene
33	100	96	99	2	445208	bb	1226	1224	107	4-Chloro-3-Methylphenol
34	*** No Trace Found ***					*		1255	142	2-Methylnaphthalene
35	100	97	98	0	1887415	b?	1521	1521	164	Acenaphthene-d10
36	100	93	99	0	646948	bv	1353	1353	172	2-Fluorobiphenyl
37	100	89	97	0	82850	bv	1723	1723	330	2,4,6-Tribromophenol
38	*** No Trace Found ***					*		1297	237	Hexachlorocyclopentadiene
39	*** No Trace Found ***							1330	196	2,4,6-Trichlorophenol
40	*** No Trace Found ***							1338	196	2,4,5-Trichlorophenol
41	*** No Trace Found ***							1379	162	2-Chloronaphthalene
42	*** No Trace Found ***							1409	65	2-Nitroaniline
43	*** No Trace Found ***							1461	163	Dimethylphthalate
44	54	28	63	0	9200	bb	1484	1484	152	Acenaphthylene
45	*** No Trace Found ***							1474	165	2,6-Dinitrotoluene
46	*** No Trace Found ***							1514	138	3-Nitroaniline
47	100	96	99	-1	452495	bv	1529	1530	153	Acenapthene
48	*** No Trace Found ***					*		1543	184	2,4-Dinitrophenol
49	96	89	94	3	49540	bv	1565	1562	109	4-Nitrophenol
50	*** No Trace Found ***							1574	168	Dibenzofuran

52	*** No Trace Found ***					*		1644	149	Diethylphthalate
53	*** No Trace Found ***							1667	204	4-Chlorophenyl-phenylether
54	*** No Trace Found ***							1662	166	Fluorene
55	*** No Trace Found ***							1670	138	4-Nitroaniline
56	100	92	98	0	2672748	bv	1902	1902	188	Phenanthrene-d10
57	*** No Trace Found ***					*		1680	198	4,6-Dinitro-2-Methylphenol
58	*** No Trace Found ***							1697	169	N-Nitrosodiphenylamine
59	*** No Trace Found ***							1707	77	1,2-Diphenylhydrazine
60	*** No Trace Found ***							1791	248	4-Bromophenyl-phenylether
61	*** No Trace Found ***							1803	284	Hexachlorobenzene
62	100	87	98	1	58576	bv	1855	1854	266	Pentachlorophenol
63	*** No Trace Found ***					*		1908	178	Phenanthrene
64	*** No Trace Found ***							1921	178	Anthracene
65	*** No Trace Found ***							1965	167	Carbazole
66	*** No Trace Found ***							2065	149	Di-n-Butylphthalate
67	*** No Trace Found ***							2214	202	Fluoranthene
68	48	30	90	7	521541	vb	2593	2586	240	Chrysene-d12
69	47	23	67	-2	253564	bv	2322	2324	244	Terphenyl-d14
70	*** No Trace Found ***							2259	184	Benzidine
71	96	83	99	-3	353180	bv	2275	2278	202	Pyrene
72	*** No Trace Found ***							2457	149	Butylbenzylphthalate
73	46	23	76	5	227904	bb	2592	2587	252	3,3'-Dichlorobenzidine
74	*** No Trace Found ***							2591	228	Benzo(a)anthracene
75	*** No Trace Found ***							2600	228	Chrysene
76	*** No Trace Found ***							2609	149	bis(2-ethylhexyl)phthalate
77	77	54	92	3	336375	bv	2944	2941	264	Perylene-d12
78	*** No Trace Found ***							2767	149	Di-n-Octylphthalate
79	43	10	62	1	267503	bv	2851	2850	252	Benzo(b)fluoranthene
Z ~~80~~	30	10	61	-6	267503	bv	2851	2857	252	Benzo(k)fluoranthene
81	*** No Trace Found ***							2930	252	Benzo(a)pyrene
82	*** No Trace Found ***							3282	276	Indeno(1,2,3-cd)pyrene
83	*** No Trace Found ***							3291	278	Dibenz(a,h)anthracene
84	*** No Trace Found ***							3386	276	Benzo(g,h,i)perylene
85	*** No Trace Found ***							78	79	Pyridine
86	*** No Trace Found ***							1098	162	2,6-Dichlorophenol
87	*** No Trace Found ***							1607	232	2,3,4,6-Tetrachlorophenol

4163P1Ø

appears to be 25160MSD [illegible]

✓ [illegible] 06/13/94

QUAN DB : 4163P09 LAB-BASE QUAN 06/13/94 09:55

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	10.31	1.00	761	-1	97	99	1009427	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	7.23	0.70	453	1	96	98	345892	bv	112	2-Fluorophenol	10.7	S
3	9.52	0.92	682	-1	94	98	601805	bv	99	Phenol-d5	14.0	S
4	3.44	0.33	0	0	0	0	0		42	N-Nitrosodimethylamine	0.0	NR
5	9.55	0.93	685	-1	91	97	657928	bb	94	Phenol	13.3	✓
6	9.54	0.93	0	0	0	0	0		93	Aniline	0.0	NR
7	9.76	0.95	0	0	0	0	0		93	bis(2-Chloroethyl)Ethe	0.0	
8	9.80	0.95	710	0	94	99	473472	bv	128	2-Chlorophenol	12.6	✓
9	10.17	0.99	0	0	0	0	0		146	1,3-Dichlorobenzene	0.0	
10	10.35	1.00	765	0	91	98	355440	bv	146	1,4-Dichlorobenzene	9.2	✓
11	10.70	1.04	0	0	0	0	0		108	Benzyl alcohol	0.0	NR
12	10.71	1.04	0	0	0	0	0		146	1,2-Dichlorobenzene	0.0	
13	11.00	1.07	0	0	0	0	0		108	2-Methyphenol	0.0	
14	11.05	1.07	0	0	0	0	0		45	2,2'-oxybis(1-Chloropr	0.0	
15	11.39	1.10	0	0	0	0	0		108	4-Methylphenol	0.0	
16	11.35	1.10	865	-1	96	98	207348	bv	70	N-Nitroso-Di-n-Propyla	8.4	✓
17	11.52	1.12	0	0	0	0	0		117	Hexachloroethane	0.0	
18	9.76	0.95	706	0	93	97	481388	bv	132	2-Chlorophenol-d4	13.1	S
19	10.67	1.03	797	1	95	97	223472	bv	152	1,2-Dichlorobenzene-d4	9.5	S
20	13.44	1.00	1074	-1	94	98	4053875	bv	136	Naphthalene-d8	40.0	I
21	11.66	0.87	896	-1	94	98	356317	bv	82	Nitrobenzene-d5	9.0	S
22	11.73	0.87	0	0	0	0	0		77	Nitrobenzene	0.0	
23	12.35	0.92	0	0	0	0	0		82	Isophorone	0.0	
24	12.51	0.93	0	0	0	0	0		139	2-Nitrophenol	0.0	
25	12.69	0.94	0	0	0	0	0		107	2,4-Dimethylphenol	0.0	CC
26	12.94	0.96	0	0	0	0	0		93	bis(2-Chloroethoxy)Met	0.0	
27	13.04	0.97	0	0	0	0	0		105	Benzoic acid	0.0	NR
28	13.12	0.98	0	0	0	0	0		162	2,4-Dichlorophenol	0.0	CC
29	13.31	0.99	1061	0	96	99	308433	bv	180	1,2,4-Trichlorobenzene	9.7	✓
30	13.50	1.00	0	0	0	0	0		128	Naphthalene	0.0	
31	13.68	1.02	0	0	0	0	0		127	4-Chloroaniline	0.0	
32	13.84	1.03	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
33	14.95	1.11	1225	1	96	99	462288	b?	107	4-Chloro-3-Methylpheno	13.0	✓
34	15.26	1.14	0	0	0	0	0		142	2-Methylnaphthalene	0.0	
35	17.91	1.00	1521	0	96	98	1974800	bv	164	Acenaphthene-d10	40.0	I
36	16.22	0.91	1352	-1	93	99	689207	bv	172	2-Fluorobiphenyl	11.4	S
37	19.92	1.11	1722	-1	88	97	67228	bb	330	2,4,6-Tribromophenol	6.9	S
38	15.67	0.87	0	0	0	0	0		237	Hexachlorocyclopentadi	0.0	SP
39	16.00	0.89	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
40	16.08	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
41	16.49	0.92	0	0	0	0	0		162	2-Chloronaphthalene	0.0	
42	16.79	0.94	0	0	0	0	0		65	2-Nitroaniline	0.0	
43	17.31	0.97	0	0	0	0	0		163	Dimethylphthalate	0.0	
44	17.53	0.98	1483	-1	31	65	10012	bb	152	Acenaphthylene	0.1	
45	17.44	0.97	0	0	0	0	0		165	2,6-Dinitrotoluene	0.0	
46	17.84	1.00	0	0	0	0	0		138	3-Nitroaniline	0.0	
47	17.98	1.00	1528	-2	96	99	487340	bv	153	Acenapthene	8.1	✓
48	18.13	1.01	0	0	0	0	0		184	2,4-Dinitrophenol	0.0	SP
49	18.35	1.02	1565	3	85	90	34388	bb	109	4-Nitrophenol	5.0	✓
50	18.44	1.03	0	0	0	0	0		168	Dibenzofuran	0.0	

[illegible] 6/14/94

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
51	18.45	1.03	1575	-1	92	98	140279	bv	165	2,4-Dinitrotoluene	7.6	✓
52	19.14	1.07	0	0	0	0	0		149	Diethylphthalate	0.0	
53	19.37	1.08	0	0	0	0	0		204	4-Chlorophenyl-phenyle	0.0	
54	19.32	1.09	0	0	0	0	0		166	Fluorene	0.0	
55	19.40	1.09	0	0	0	0	0		138	4-Nitroaniline	0.0	
56	21.71	1.00	1901	-1	93	97	2680519	M	188	Phenanthrene-d10	40.0	I
57	19.50	0.90	0	0	0	0	0		198	4,6-Dinitro-2-Methylph	0.0	
58	19.67	0.91	0	0	0	0	0		169	N-Nitrosodiphenylamine	0.0	CC
59	19.77	0.91	0	0	0	0	0		77	1,2-Diphenylhydrazine	0.0	NR
60	20.61	0.95	0	0	0	0	0		248	4-Bromophenyl-phenylet	0.0	
61	20.73	0.95	0	0	0	0	0		284	Hexachlorobenzene	0.0	
62	21.24	0.98	1854	1	86	97	42953	M	266	Pentachlorophenol	5.1	✓
63	21.78	1.00	0	0	0	0	0		178	Phenanthrene	0.0	
64	21.91	1.01	0	0	0	0	0		178	Anthracene	0.0	
65	22.35	1.03	0	0	0	0	0		167	Carbazole	0.0	
66	23.35	1.08	0	0	0	0	0		149	Di-n-Butylphthalate	0.0	
67	24.84	1.14	0	0	0	0	0		202	Fluoranthene	0.0	CC
68	28.62	1.00	2592	6	30	90	562335	M	240	Chrysene-d12	40.0	I
69	25.91	0.91	2321	-3	23	68	286256	bv	244	Terphenyl-d14	17.7	S
70	25.23	0.88	0	0	0	0	0		184	Benzidine	0.0	NR
71	25.45	0.89	2275	-2	85	99	385760	vv	202	Pyrene	16.9	✓
72	27.24	0.95	2454	-2	17	75	16597	M	149	Butylbenzylphthalate	1.8	
73	28.62	1.00	2592	6	23	75	209548	M	252	3,3'-Dichlorobenzidine	~~39.6~~	Anz
74	28.54	1.00	0	0	0	0	0		228	Benzo(a)anthracene	0.0	
75	28.63	1.00	0	0	0	0	0		228	Chrysene	0.0	
76	28.72	1.00	0	0	0	0	0		149	bis(2-ethylhexyl)phtha	0.0	
77	32.14	1.00	2944	3	65	95	404671	bv	264	Perylene-d12	40.0	I
78	30.38	0.95	2768	1	18	83	18695	M	149	Di-n-Octylphthalate	1.0	CC
79	31.21	0.97	2851	1	9	61	268392	bv	252	Benzo(b)fluoranthene	~~15.9~~	Anz
80	31.21	0.97	2851	0	0	0	0		252	Benzo(k)fluoranthene	0.0	
81	31.97	0.99	0	0	0	0	0		252	Benzo(a)pyrene	0.0	CC
82	35.49	1.10	0	0	0	0	0		276	Indeno(1,2,3-cd)pyrene	0.0	
83	35.58	1.11	0	0	0	0	0		278	Dibenz(a,h)anthracene	0.0	
84	36.52	1.14	0	0	0	0	0		276	Benzo(g,h,i)perylene	0.0	
85	3.48	0.34	0	0	0	0	0		79	Pyridine	0.0	
86	13.69	1.02	0	0	0	0	0		162	2,6-Dichlorophenol	0.0	
87	18.77	1.05	0	0	0	0	0		232	2,3,4,6-Tetrachlorophe	0.0	

4163P09

Datafile : 4163P09

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	500690	1009427	2002760
Naphthalene-d8	2055962	4053875	8223848
Acenaphthene-d10	1208980	1974800	4835920
Phenanthrene-d10	2076334	2680519	8305336
Chrysene-d12	1308625	562335	5234500****
Perylene-d12	996407	404671	3985628****

Internal Standard Retention Time Summary

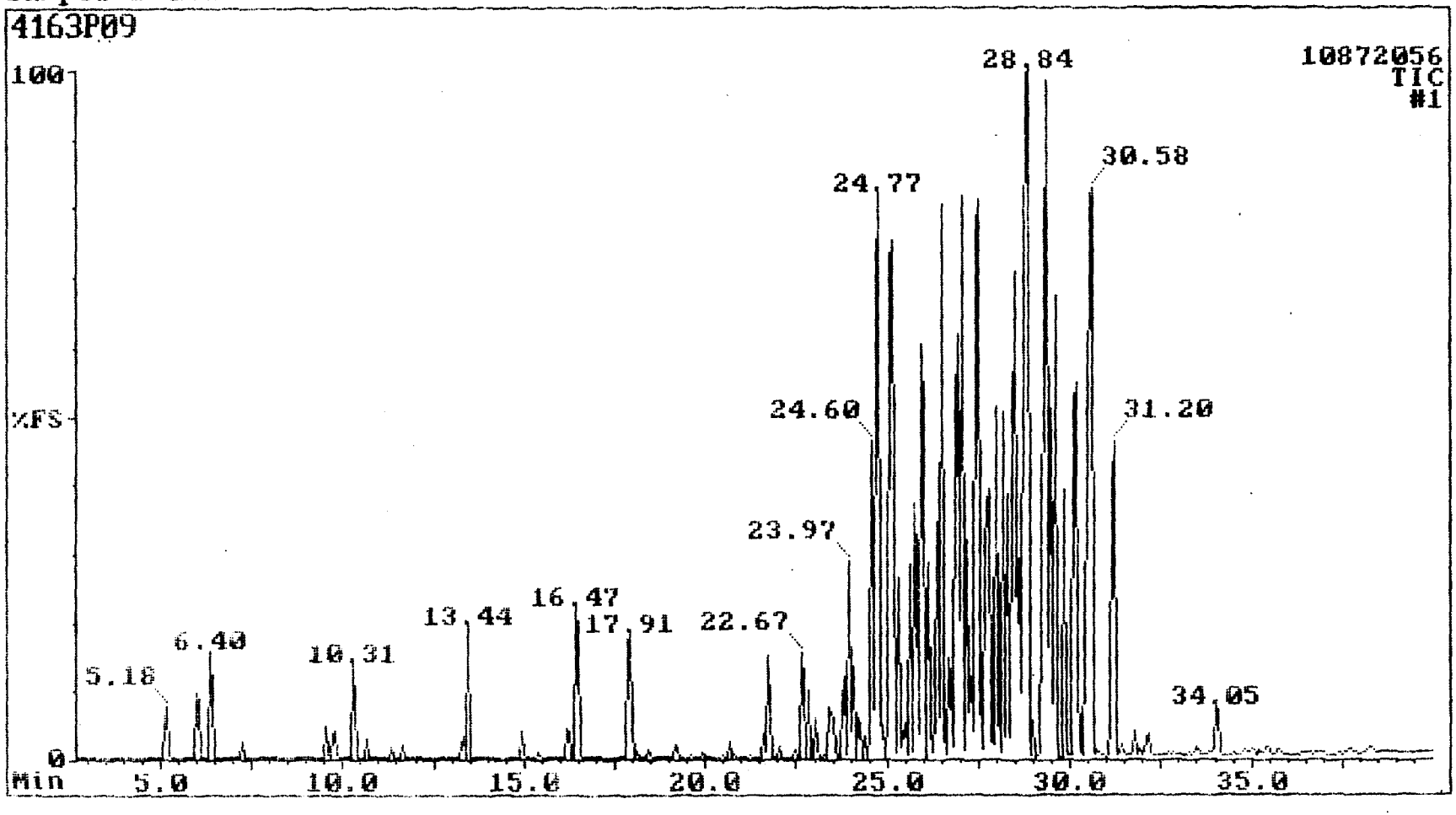
COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	10.32	10.31
Naphthalene-d8	13.45	13.44
Acenaphthene-d10	17.91	17.91
Phenanthrene-d10	21.72	21.71
Chrysene-d12	29.56	28.62
Perylene-d12	32.11	32.14

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
		x10				
2-Fluorophenol	11	7.1	(25-121)	(21-110)	bv	345892
Phenol-d5	14	9.4	(24-113)	(10-110)	bv	601805
2-Chlorophenol-d4	13	8.7	(20-130)	(33-110)	bv	481388
1,2-Dichlorobenzene-d4	10	9.5	(20-130)	(16-110)	bv	223472
Nitrobenzene-d5	9	9.0	(23-120)	(35-114)	bv	356317
2-Fluorobiphenyl	11	11.4	(30-115)	(43-116)	bv	689207
2,4,6-Tribromophenol	7	4.6	(19-122)	(10-123)	bb	67228
Terphenyl-d14	18	17.7	(18-137)	(33-141)	bv	286256

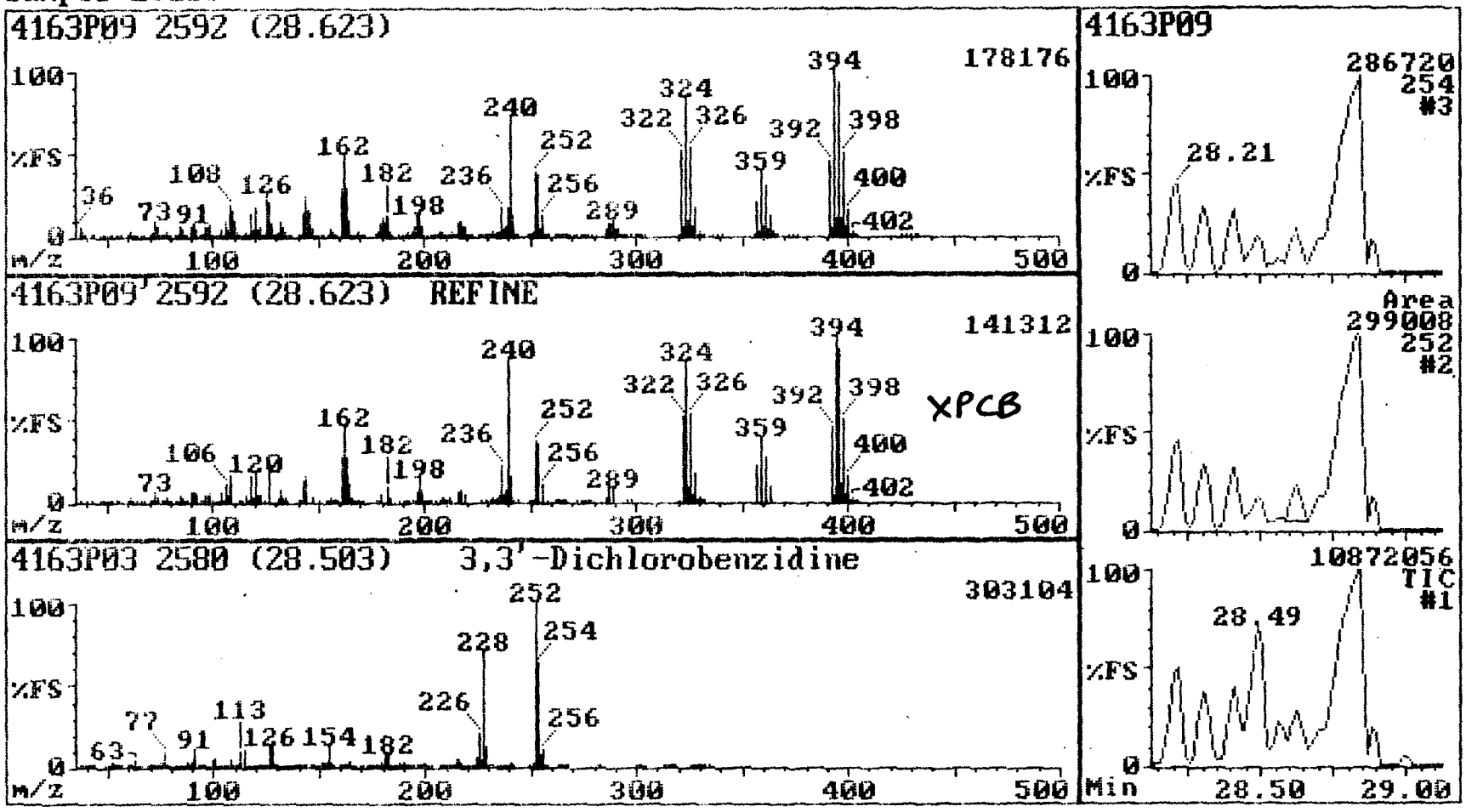
appears to be 25160MSD Gnm

4163P09 06/13/94 01:48 VGTR101A GNM
Sample:25160 ECOL HPN:5039



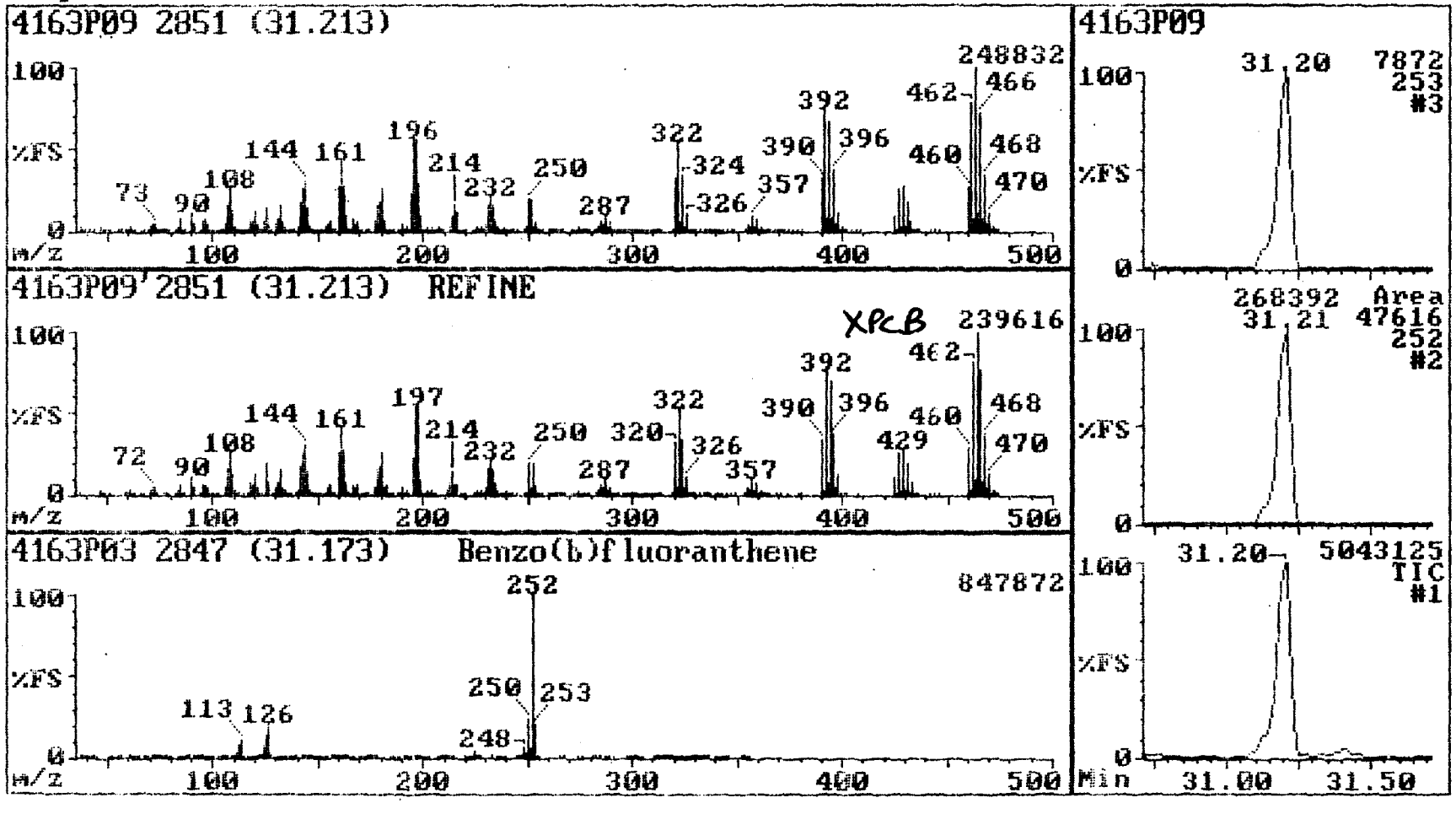
appears to be 25160MSD GNM

4163P09 06/13/94 01:48 VGTRI01A GNM
Sample:25160 ECOL HPN:5039



appears to be 25160MSD Gnm

4163P09 06/13/94 01:48 VGTRI01A GNM
Sample:25160 ECOL HPN:5039



✓ gnm 06/13/94

Interim Report LAB-BASE FIND 06/13/94 07:55

Raw Datafile : 4163P09 Quan DB : 4163P09
Find DB : SV8270 Scan DB : 4163P09

No.	Spectrum MAT	Scan FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	97	99	-1	1009427	bv	761	762	152	1,4-Dichlorobenzene-d4
2	100	96	98	1	345892	bv	453	452	112	2-Fluorophenol
3	100	94	98	-1	601805	bv	682	683	99	Phenol-d5
4	*** No Trace Found ***					*		74	42	N-Nitrosodimethylamine
5	100	91	97	-1	657928	bb	685	686	94	Phenol
6	*** No Trace Found ***					*		683	93	Aniline
7	*** No Trace Found ***							705	93	bis(2-Chloroethyl)Ether
8	100	94	99	0	473472	bv	710	710	128	2-Chlorophenol
9	*** No Trace Found ***					*		746	146	1,3-Dichlorobenzene
10	100	91	98	0	355440	bv	765	765	146	1,4-Dichlorobenzene
11	*** No Trace Found ***					*		799	108	Benzyl alcohol
12	*** No Trace Found ***							800	146	1,2-Dichlorobenzene
13	*** No Trace Found ***							829	108	2-Methyphenol
14	*** No Trace Found ***							834	45	2,2'-oxybis(1-Chloropropan
15	*** No Trace Found ***							868	108	4-Methylphenol
16	100	96	98	-1	207348	bv	865	866	70	N-Nitroso-Di-n-Propylamine
17	*** No Trace Found ***					*		881	117	Hexachloroethane
18	100	93	97	0	481388	bv	706	706	132	2-Chlorophenol-d4
19	100	95	97	1	223472	bv	797	796	152	1,2-Dichlorobenzene-d4
20	100	94	98	-1	4053875	bv	1074	1075	136	Naphthalene-d8
21	100	94	98	-1	356317	bv	896	897	82	Nitrobenzene-d5
22	*** No Trace Found ***					*		902	77	Nitrobenzene
23	*** No Trace Found ***							964	82	Isophorone
24	*** No Trace Found ***							980	139	2-Nitrophenol
25	*** No Trace Found ***							998	107	2,4-Dimethylphenol
26	*** No Trace Found ***							1023	93	bis(2-Chloroethoxy)Methane
27	*** No Trace Found ***							1033	105	Benzoic acid
28	*** No Trace Found ***							1041	162	2,4-Dichlorophenol
29	100	96	99	0	308433	bv	1061	1061	180	1,2,4-Trichlorobenzene
30	*** No Trace Found ***					*		1079	128	Naphthalene
31	*** No Trace Found ***							1097	127	4-Chloroaniline
32	*** No Trace Found ***							1113	225	Hexachlorobutadiene
33	100	96	99	1	462288	b?	1225	1224	107	4-Chloro-3-Methylphenol
34	*** No Trace Found ***					*		1255	142	2-Methylnaphthalene
35	100	96	98	0	1974800	bv	1521	1521	164	Acenaphthene-d10
36	100	93	99	-1	689207	bv	1352	1353	172	2-Fluorobiphenyl
37	100	88	97	-1	67228	bb	1722	1723	330	2,4,6-Tribromophenol
38	*** No Trace Found ***					*		1297	237	Hexachlorocyclopentadiene
39	*** No Trace Found ***							1330	196	2,4,6-Trichlorophenol
40	*** No Trace Found ***							1338	196	2,4,5-Trichlorophenol
41	*** No Trace Found ***							1379	162	2-Chloronaphthalene
42	*** No Trace Found ***							1409	65	2-Nitroaniline
43	*** No Trace Found ***							1461	163	Dimethylphthalate
44	57	31	65	-1	10012	bb	1483	1484	152	Acenaphthylene
45	*** No Trace Found ***							1474	165	2,6-Dinitrotoluene
46	*** No Trace Found ***							1514	138	3-Nitroaniline
47	100	96	99	-2	487340	bv	1528	1530	153	Acenapthene
48	*** No Trace Found ***					*		1543	184	2,4-Dinitrophenol
49	92	85	90	3	34388	bb	1565	1562	109	4-Nitrophenol
50	*** No Trace Found ***							1574	168	Dibenzofuran

52	*** No Trace Found ***						*		1644	149	Diethylphthalate
53	*** No Trace Found ***								1667	204	4-Chlorophenyl-phenylether
54	*** No Trace Found ***								1662	166	Fluorene
55	*** No Trace Found ***								1670	138	4-Nitroaniline
56	100	93	97	-1	2797008	b?		1901	1902	188	Phenanthrene-d10
57	*** No Trace Found ***						*		1679	198	4,6-Dinitro-2-Methylphenol
58	*** No Trace Found ***								1696	169	N-Nitrosodiphenylamine
59	*** No Trace Found ***								1706	77	1,2-Diphenylhydrazine
60	*** No Trace Found ***								1790	248	4-Bromophenyl-phenylether
61	*** No Trace Found ***								1802	284	Hexachlorobenzene
62	100	86	97	1	42068	bv		1854	1853	266	Pentachlorophenol
63	*** No Trace Found ***								1907	178	Phenanthrene
64	*** No Trace Found ***								1920	178	Anthracene
65	*** No Trace Found ***								1964	167	Carbazole
66	*** No Trace Found ***								2064	149	Di-n-Butylphthalate
67	*** No Trace Found ***								2213	202	Fluoranthene
68	52	30	90	6	568117	vb		2592	2586	240	Chrysene-d12
69	48	23	68	-3	286256	bv		2321	2324	244	Terphenyl-d14
70	*** No Trace Found ***								2258	184	Benzidine
71	100	85	99	-2	385760	vv		2275	2277	202	Pyrene
72	49	17	75	-2	14832	vb		2454	2456	149	Butylbenzylphthalate
73	42	23	75	6	226720	bb		2592	2586	252	3,3'-Dichlorobenzidine
	32	19	61	-7	186729	vb		2579			
74	*** No Trace Found ***								2590	228	Benzo(a)anthracene
75	*** No Trace Found ***								2599	228	Chrysene
76	*** No Trace Found ***								2608	149	bis(2-ethylhexyl)phthalate
77	90	65	95	3	404671	bv		2944	2941	264	Perylene-d12
78	60	18	83	1	18585	vb		2768	2767	149	Di-n-Octylphthalate
79	41	9	61	1	268392	bv		2851	2850	252	Benzo(b)fluoranthene
80	30	9	60	-6	268392	bv		2851	2857	252	Benzo(k)fluoranthene
81	*** No Trace Found ***								2930	252	Benzo(a)pyrene
82	*** No Trace Found ***								3282	276	Indeno(1,2,3-cd)pyrene
83	*** No Trace Found ***								3291	278	Dibenz(a,h)anthracene
84	*** No Trace Found ***								3386	276	Benzo(g,h,i)perylene
85	*** No Trace Found ***								78	79	Pyridine
86	*** No Trace Found ***								1098	162	2,6-Dichlorophenol
87	*** No Trace Found ***								1607	232	2,3,4,6-Tetrachlorophenol

4163909

Anm 06/13/94

QUAN DB : 4163F05 LAB-BASE QUAN 06/13/94 09:51

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	10.31	1.00	761	-1	91	98	1051226	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	7.24	0.70	454	2	97	98	4016380	bv	112	2-Fluorophenol	118.8	S
3	9.55	0.93	685	2	80	95	5473741	bv	99	Phenol-d5	122.6	S
4	3.44	0.33	0	0	0	0	0		42	N-Nitrosodimethylamine	0.0	NR
5	9.58	0.93	688	2	94	97	5677220	bb	94	Phenol	112.3	MC
6	9.54	0.93	0	0	0	0	0		93	Aniline	0.0	NR
7	9.76	0.95	0	0	0	0	0		93	bis(2-Chloroethyl)Ethe	0.0	
8	9.81	0.95	711	1	94	98	4534293	bv	128	2-Chlorophenol	115.7	M
9	10.17	0.99	0	0	0	0	0		146	1,3-Dichlorobenzene	0.0	
10	10.35	1.00	765	0	97	99	3086804	bb	146	1,4-Dichlorobenzene	77.0	MC
11	10.70	1.04	0	0	0	0	0		108	Benzyl alcohol	0.0	NR
12	10.71	1.04	0	0	0	0	0		146	1,2-Dichlorobenzene	0.0	
13	11.00	1.07	0	0	0	0	0		108	2-Methyphenol	0.0	
14	11.05	1.07	0	0	0	0	0		45	2,2'-oxybis(1-Chloropr	0.0	
15	11.39	1.10	0	0	0	0	0		108	4-Methylphenol	0.0	
16	11.36	1.10	866	0	97	98	1852388	bb	70	N-Nitroso-Di-n-Propyla	71.7	MS
17	11.52	1.12	0	0	0	0	0		117	Hexachloroethane	0.0	
18	9.77	0.95	707	1	83	93	4696652	b?	132	2-Chlorophenol-d4	122.8	S
19	10.67	1.03	797	1	95	96	1925203	bb	152	1,2-Dichlorobenzene-d4	78.9	S
20	13.43	1.00	1073	-2	93	98	4455008	bv	136	Naphthalene-d8.	40.0	I
21	11.67	0.87	897	1	95	97	3280056	bv	82	Nitrobenzene-d5	75.1	S
22	11.73	0.87	0	0	0	0	0		77	Nitrobenzene	0.0	
23	12.35	0.92	0	0	0	0	0		82	Isophorone	0.0	
24	12.51	0.93	0	0	0	0	0		139	2-Nitrophenol	0.0	
25	12.69	0.94	0	0	0	0	0		107	2,4-Dimethylphenol	0.0	CC
26	12.94	0.96	0	0	0	0	0		93	bis(2-Chloroethoxy)Met	0.0	
27	13.09	0.97	1039	7	95	97	2413176	bv	105	Benzoic acid	78.9	MS
28	13.12	0.98	0	0	0	0	0		162	2,4-Dichlorophenol	0.0	CC
29	13.31	0.99	1061	1	96	98	2611003	bb	180	1,2,4-Trichlorobenzene	74.8	M
30	13.48	1.00	1078	0	29	70	17724	bb	128	Naphthalene	0.1	
31	13.68	1.02	0	0	0	0	0		127	4-Chloroaniline	0.0	
32	13.84	1.03	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
33	14.96	1.11	1226	3	95	98	4672590	bv	107	4-Chloro-3-Methylpheno	119.8	MC
34	15.26	1.14	0	0	0	0	0		142	2-Methylnaphthalene	0.0	
35	17.91	1.00	1521	0	93	99	2662820	bb	164	Acenaphthene-d10	40.0	I
36	16.23	0.91	1353	0	93	99	6217212	bv	172	2-Fluorobiphenyl	76.4	S
37	19.93	1.11	1723	0	87	97	1689317	bv	330	2,4,6-Tribromophenol	129.4	S
38	15.67	0.87	0	0	0	0	0		237	Hexachlorocyclopentadi	0.0	SP
39	16.00	0.89	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
40	16.08	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
41	16.49	0.92	0	0	0	0	0		162	2-Chloronaphthalene	0.0	
42	16.79	0.94	0	0	0	0	0		65	2-Nitroaniline	0.0	
43	17.31	0.97	0	0	0	0	0		163	Dimethylphthalate	0.0	
44	17.53	0.98	1483	-1	64	97	192472	bb	152	Acenaphthylene	1.6	
45	17.44	0.97	0	0	0	0	0		165	2,6-Dinitrotoluene	0.0	
46	17.84	1.00	0	0	0	0	0		138	3-Nitroaniline	0.0	
47	17.99	1.00	1529	-1	98	99	5411744	bb	153	Acenapthene	67.0	MC
48	18.11	1.01	1541	-2	36	54	3380	bb	184	2,4-Dinitrophenol	0.3	SP
49	18.34	1.02	1564	2	97	98	1087635	bv	109	4-Nitrophenol	118.4	MS
50	18.44	1.03	0	0	0	0	0		168	Dibenzofuran	0.0	

06/14/94

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
51	18.47	1.03	1577	1	95	98	2147476	bv	165	2,4-Dinitrotoluene	85.9	✓
52	19.14	1.07	0	0	0	0	0		149	Diethylphthalate	0.0	
53	19.37	1.08	0	0	0	0	0		204	4-Chlorophenyl-phenyle	0.0	
54	19.32	1.08	0	0	0	0	0		166	Fluorene	0.0	
55	19.40	1.08	0	0	0	0	0		138	4-Nitroaniline	0.0	
56	21.72	1.00	1902	0	92	97	4564800	bv	188	Phenanthrene-d10	40.0	I
57	19.50	0.90	0	0	0	0	0		198	4,6-Dinitro-2-Methylph	0.0	
58	19.67	0.91	0	0	0	0	0		169	N-Nitrosodiphenylamine	0.0	CC
59	19.77	0.91	0	0	0	0	0		77	1,2-Diphenylhydrazine	0.0	NR
60	20.61	0.95	0	0	0	0	0		248	4-Bromophenyl-phenylet	0.0	
61	20.73	0.95	0	0	0	0	0		284	Hexachlorobenzene	0.0	
62	21.25	0.98	1855	1	83	97	1808416	M	266	Pentachlorophenol	127.1	✓
63	21.78	1.00	0	0	0	0	0		178	Phenanthrene	0.0	
64	21.91	1.01	0	0	0	0	0		178	Anthracene	0.0	
65	22.35	1.03	0	0	0	0	0		167	Carbazole	0.0	
66	23.35	1.08	2065	0	79	97	148381	bb	149	Di-n-Butylphthalate	1.2	
67	24.84	1.14	0	0	0	0	0		202	Fluoranthene	0.0	CC
68	28.55	1.00	2585	-1	89	96	2484990	bv	240	Chrysene-d12	40.0	I
69	25.89	0.91	2319	2	89	98	6865408	bb	244	Terphenyl-d14	96.3	S
70	25.23	0.88	0	0	0	0	0		184	Benzidine	0.0	NR
71	25.43	0.89	2273	2	95	98	8482919	b?	202	Pyrene	84.3	✓
72	27.20	0.95	0	0	0	0	0		149	Butylbenzylphthalate	0.0	
73	28.50	1.00	0	0	0	0	0		252	3,3'-Dichlorobenzidine	0.0	
74	28.54	1.00	0	0	0	0	0		228	Benzo(a)anthracene	0.0	
75	28.63	1.00	0	0	0	0	0		228	Chrysene	0.0	
76	28.73	1.01	2603	2	64	90	51462	bb	149	bis(2-ethylhexyl)phtha	0.9	
77	32.12	1.00	2942	1	84	93	1694783	bv	264	Perylene-d12	40.0	I
78	30.34	0.94	0	0	0	0	0		149	Di-n-Octylphthalate	0.0	CC
79	31.17	0.97	0	0	0	0	0		252	Benzo(b)fluoranthene	0.0	
80	31.24	0.97	0	0	0	0	0		252	Benzo(k)fluoranthene	0.0	
81	31.97	1.00	0	0	0	0	0		252	Benzo(a)pyrene	0.0	CC
82	35.49	1.10	0	0	0	0	0		276	Indeno(1,2,3-cd)pyrene	0.0	
83	35.58	1.11	0	0	0	0	0		278	Dibenz(a,h)anthracene	0.0	
84	36.52	1.14	0	0	0	0	0		276	Benzo(g,h,i)perylene	0.0	
85	3.48	0.34	0	0	0	0	0		79	Pyridine	0.0	
86	13.69	1.02	0	0	0	0	0		162	2,6-Dichlorophenol	0.0	
87	18.77	1.05	1607	0	54	89	18188	bb	232	2,3,4,6-Tetrachlorophe	0.9	

4163P05

Datafile : 4163P05

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	500690	1051226	2002760
Naphthalene-d8	2055962	4455008	8223848
Acenaphthene-d10	1208980	2662820	4835920
Phenanthrene-d10	2076334	4564800	8305336
Chrysene-d12	1308625	2484990	5234500
Perylene-d12	996407	1694783	3985628

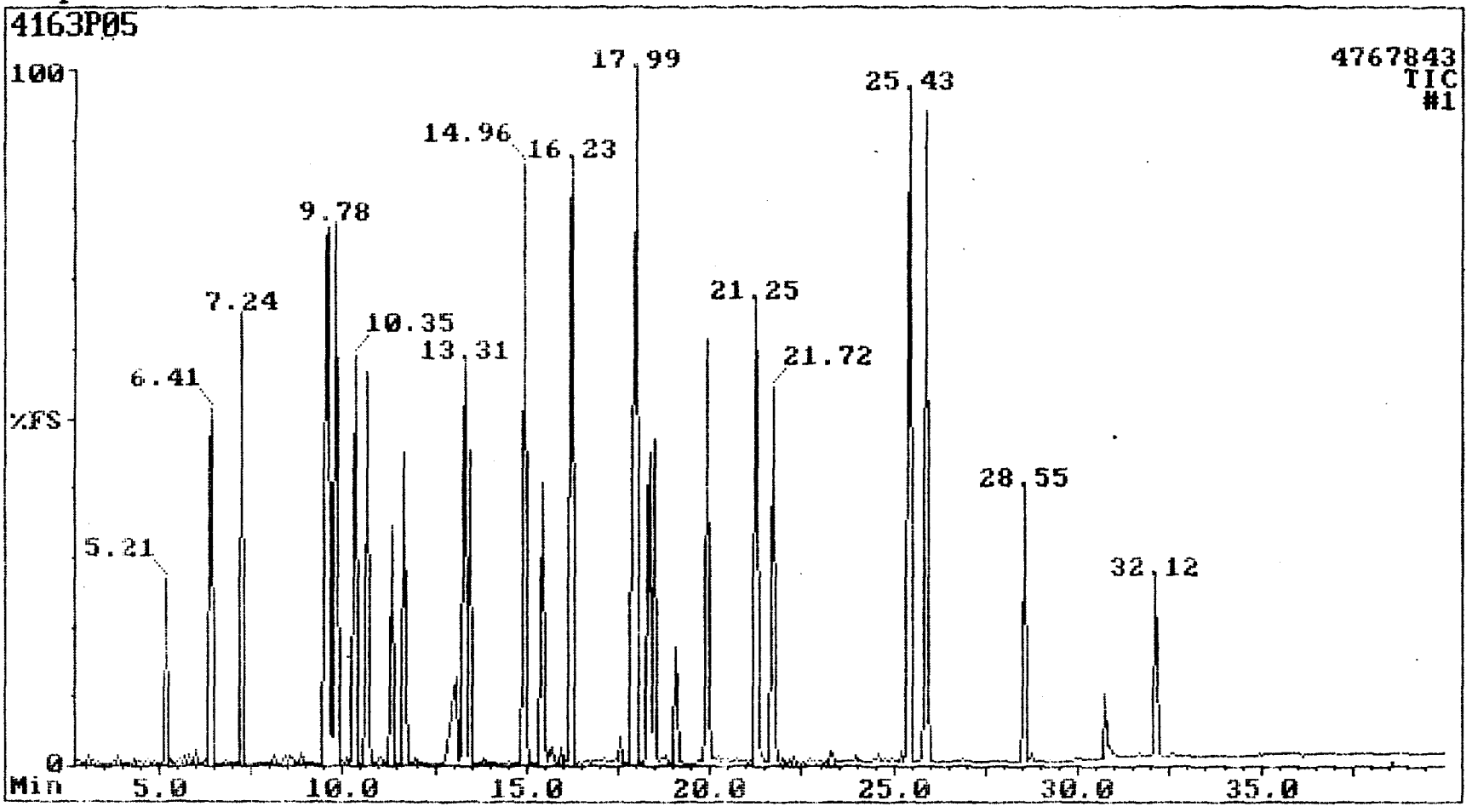
Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	10.32	10.31
Naphthalene-d8	13.45	13.43
Acenaphthene-d10	17.91	17.91
Phenanthrene-d10	21.72	21.72
Chrysene-d12	28.56	28.55
Perylene-d12	32.11	32.12

Surrogate Recoveries

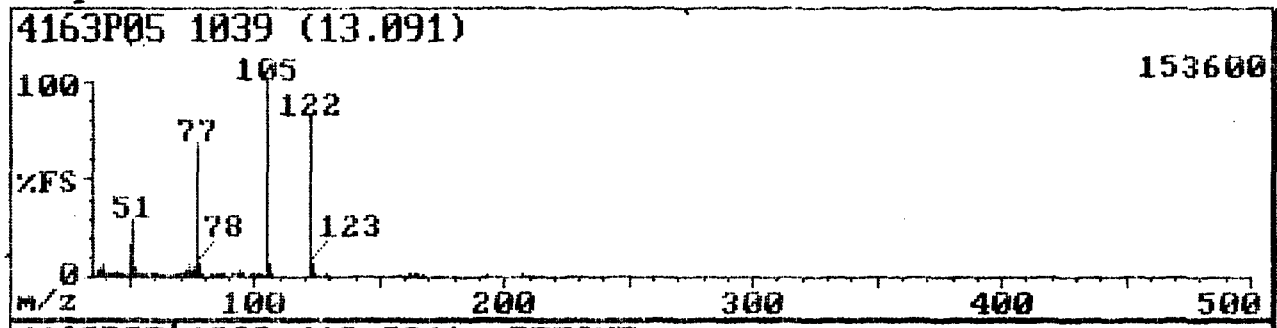
COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	119	79.2	(25-121)	(21-110)	bv	4016380
Phenol-d5	123	81.7	(24-113)	(10-110)	bv	5473741
2-Chlorophenol-d4	123	81.9	(20-130)	(33-110)	b?	4696652
1,2-Dichlorobenzene-d4	79	78.9	(20-130)	(16-110)	bb	1925203
Nitrobenzene-d5	75	75.1	(23-120)	(35-114)	bv	3280056
2-Fluorobiphenyl	76	76.4	(30-115)	(43-116)	bv	6217212
2,4,6-Tribromophenol	129	86.3	(19-122)	(10-123)	bv	1689317
Terphenyl-d14	96	96.3	(18-137)	(33-141)	bb	6865408

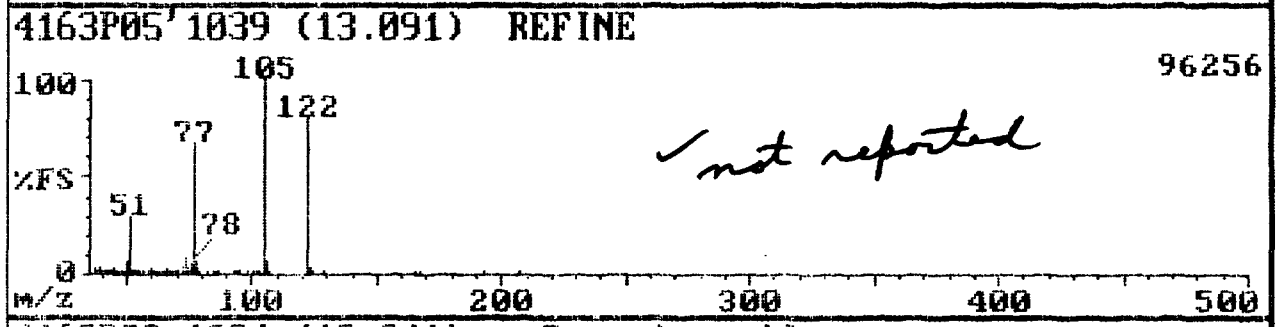
4163P05 06/12/94 22:36 VGTRI01A GNM
Sample:LCS SOIL EXTRACTED 06/09/94 ECOL HPN:



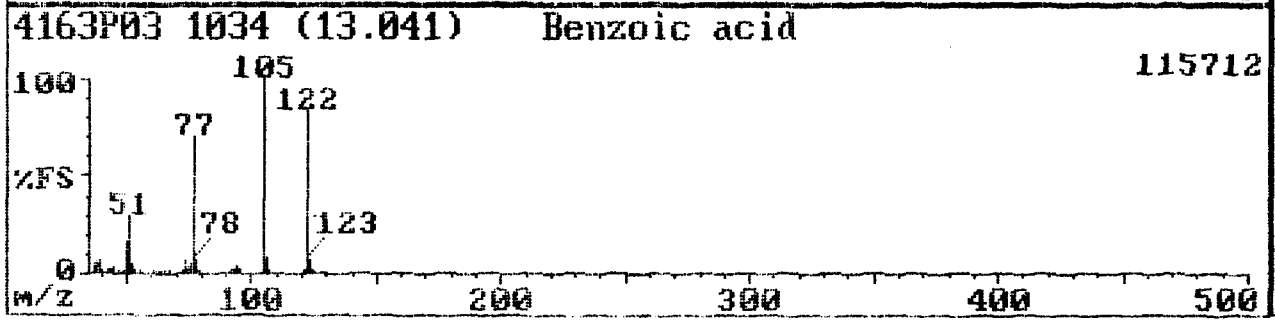
4163P05 06/12/94 22:36 VGTR101A GNM

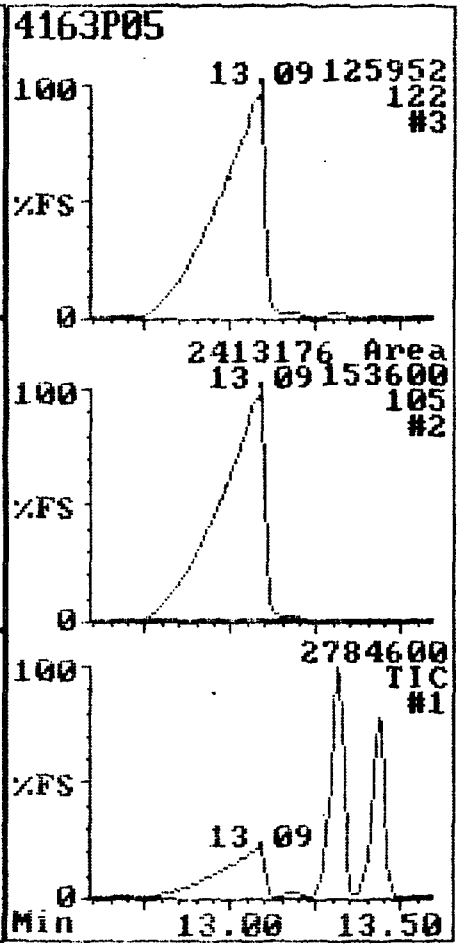
Sample:LCS SOIL EXTRACTED 06/09/94 ECOL HPN:





✓ not reported





✓ Dm 06/13/94

Interim Report LAB-BASE FIND 06/13/94 07:50

Raw Datafile : 4163P05 Quan DB : 4163P05
Find DB : SV8270 Scan DB : 4163P05

No.	Spectrum MAT	Scan FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	91	98	-1	1051226	bb	761	762	152	1,4-Dichlorobenzene-d4
2	100	97	98	2	4016380	bv	454	452	112	2-Fluorophenol
3	98	80	95	2	5473741	bv	685	683	99	Phenol-d5
4	*** No Trace Found ***							74	42	N-Nitrosodimethylamine
5	100	94	97	2	5677220	bb	688	686	94	Phenol
6	*** No Trace Found ***					*		683	93	Aniline
7	*** No Trace Found ***							705	93	bis(2-Chloroethyl)Ether
8	100	94	98	1	4534293	bv	711	710	128	2-Chlorophenol
9	*** No Trace Found ***					*		746	146	1,3-Dichlorobenzene
10	100	97	99	0	3086804	bb	765	765	146	1,4-Dichlorobenzene
11	*** No Trace Found ***					*		799	108	Benzyl alcohol
12	*** No Trace Found ***							800	146	1,2-Dichlorobenzene
13	*** No Trace Found ***							829	108	2-Methyphenol
14	*** No Trace Found ***							834	45	2,2'-oxybis(1-Chloropropan
15	*** No Trace Found ***							868	108	4-Methylphenol
16	100	97	98	0	1852388	bb	866	866	70	N-Nitroso-Di-n-Propylamine
17	*** No Trace Found ***					*		881	117	Hexachloroethane
18	100	83	93	1	4696652	b?	707	706	132	2-Chlorophenol-d4
19	100	95	96	1	1925203	bb	797	796	152	1,2-Dichlorobenzene-d4
20	100	93	98	-2	4455008	bv	1073	1075	136	Naphthalene-d8
21	100	95	97	1	3280056	bv	897	896	82	Nitrobenzene-d5
22	*** No Trace Found ***					*		901	77	Nitrobenzene
23	*** No Trace Found ***							963	82	Isophorone
24	*** No Trace Found ***							979	139	2-Nitrophenol
25	*** No Trace Found ***							997	107	2,4-Dimethylphenol
26	*** No Trace Found ***							1022	93	bis(2-Chloroethoxy)Methane
27	76	95	97	7	2413176	bv	1039	1032	105	Benzoic acid
28	*** No Trace Found ***					*		1040	162	2,4-Dichlorophenol
29	100	96	98	1	2611003	bb	1061	1060	180	1,2,4-Trichlorobenzene
30	62	29	70	0	17724	bb	1078	1078	128	Naphthalene
31	*** No Trace Found ***							1096	127	4-Chloroaniline
32	*** No Trace Found ***							1112	225	Hexachlorobutadiene
33	100	95	98	3	4672590	bv	1226	1223	107	4-Chloro-3-Methylphenol
34	*** No Trace Found ***					*		1254	142	2-Methylnaphthalene
35	100	93	99	0	2662820	bb	1521	1521	164	Acenaphthene-d10
36	100	93	99	0	6217212	bv	1353	1353	172	2-Fluorobiphenyl
37	100	87	97	0	1689317	bv	1723	1723	330	2,4,6-Tribromophenol
38	*** No Trace Found ***							1297	237	Hexachlorocyclopentadiene
39	*** No Trace Found ***							1330	196	2,4,6-Trichlorophenol
40	*** No Trace Found ***							1338	196	2,4,5-Trichlorophenol
41	*** No Trace Found ***							1379	162	2-Chloronaphthalene
42	*** No Trace Found ***							1409	65	2-Nitroaniline
43	*** No Trace Found ***							1461	163	Dimethylphthalate
44	95	64	97	-1	192472	bb	1483	1484	152	Acenaphthylene
45	*** No Trace Found ***							1474	165	2,6-Dinitrotoluene
46	*** No Trace Found ***							1514	138	3-Nitroaniline
47	100	98	99	-1	5411744	bb	1529	1530	153	Acenapthene
48	50	36	54	-2	3380	bb	1541	1543	184	2,4-Dinitrophenol
49	100	97	98	2	1087635	bv	1564	1562	109	4-Nitrophenol
50	*** No Trace Found ***					*		1574	168	Dibenzofuran

52		*** No Trace Found ***					*		1644	149	Diethylphthalate
53		*** No Trace Found ***							1667	204	4-Chlorophenyl-phenylether
54		*** No Trace Found ***							1662	166	Fluorene
55		*** No Trace Found ***							1670	138	4-Nitroaniline
56	100	92	97	0	4564800	bv		1902	1902	188	Phenanthrene-d10
57		*** No Trace Found ***					*		1680	198	4,6-Dinitro-2-Methylphenol
58		*** No Trace Found ***							1697	169	N-Nitrosodiphenylamine
59		*** No Trace Found ***							1707	77	1,2-Diphenylhydrazine
60		*** No Trace Found ***							1791	248	4-Bromophenyl-phenylether
61		*** No Trace Found ***							1803	284	Hexachlorobenzene
62	100	83	97	1	1876072	b?		1855	1854	266	Pentachlorophenol
63		*** No Trace Found ***							1908	178	Phenanthrene
64		*** No Trace Found ***							1921	178	Anthracene
65		*** No Trace Found ***							1965	167	Carbazole
66	100	79	97	0	148381	bb		2065	2065	149	Di-n-Butylphthalate
67		*** No Trace Found ***							2214	202	Fluoranthene
68	100	89	96	-1	2484990	bv		2585	2586	240	Chrysene-d12
69	100	89	98	2	6865408	bb		2319	2317	244	Terphenyl-d14
70		*** No Trace Found ***					*		2252	184	Benzidine
71	100	95	98	2	8482919	b?		2273	2271	202	Pyrene
72		*** No Trace Found ***					*		2449	149	Butylbenzylphthalate
73		*** No Trace Found ***							2579	252	3,3'-Dichlorobenzidine
74		*** No Trace Found ***							2583	228	Benzo(a)anthracene
75		*** No Trace Found ***							2592	228	Chrysene
76	86	64	90	2	51462	bb		2603	2601	149	bis(2-ethylhexyl)phthalate
77	100	84	93	1	1694783	bv		2942	2941	264	Perylene-d12
78		*** No Trace Found ***							2765	149	Di-n-Octylphthalate
79		*** No Trace Found ***							2848	252	Benzo(b)fluoranthene
80		*** No Trace Found ***							2855	252	Benzo(k)fluoranthene
81		*** No Trace Found ***							2928	252	Benzo(a)pyrene
82		*** No Trace Found ***							3280	276	Indeno(1,2,3-cd)pyrene
83		*** No Trace Found ***							3289	278	Dibenz(a,h)anthracene
84		*** No Trace Found ***							3383	276	Benzo(g,h,i)perylene
85		*** No Trace Found ***							78	79	Pyridine
86		*** No Trace Found ***							1097	162	2,6-Dichlorophenol
87	89	54	89	0	18188	bb		1607	1607	232	2,3,4,6-Tetrachlorophenol

4163P05

✓ Jnm 06/13/94

QUAN DB : 4163P04 LAB-BASE QUAN 06/13/94 09:5

No	RT	RRT	Scan	Del	FOR	REV	Area	F.	QM	Name	Conc	U.
1	10.31	1.00	761	-1	97	99	1064624	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	7.25	0.70	455	3	97	98	3807874	bv	112	2-Fluorophenol	111.2	S
3	9.54	0.93	684	1	97	98	5173108	bb	99	Phenol-d5	114.4	S
4	3.44	0.33	0	0	0	0	0		42	N-Nitrosodimethylamine	0.0	NR
5	9.57	0.93	0	0	0	0	0		94	Phenol	0.0	MC
6	9.54	0.93	0	0	0	0	0		93	Aniline	0.0	NR
7	9.76	0.95	0	0	0	0	0		93	bis(2-Chloroethyl)Ethe	0.0	
8	9.81	0.95	0	0	0	0	0		128	2-Chlorophenol	0.0	M
9	10.17	0.99	0	0	0	0	0		146	1,3-Dichlorobenzene	0.0	
10	10.36	1.00	0	0	0	0	0		146	1,4-Dichlorobenzene	0.0	MC
11	10.70	1.04	0	0	0	0	0		108	Benzyl alcohol	0.0	NR
12	10.71	1.04	0	0	0	0	0		146	1,2-Dichlorobenzene	0.0	
13	11.00	1.07	0	0	0	0	0		108	2-Methyphenol	0.0	
14	11.05	1.07	0	0	0	0	0		45	2,2'-oxybis(1-Chloropr	0.0	
15	11.39	1.10	0	0	0	0	0		108	4-Methylphenol	0.0	
16	11.37	1.10	0	0	0	0	0		70	N-Nitroso-Di-n-Propyla	0.0	MS
17	11.52	1.12	0	0	0	0	0		117	Hexachloroethane	0.0	
18	9.77	0.95	707	1	94	96	4430789	bv	132	2-Chlorophenol-d4	114.4	S
19	10.67	1.03	797	1	95	96	1725904	bb	152	1,2-Dichlorobenzene-d4	69.8	S
20	13.43	1.00	1073	-2	94	98	4476544	bv	136	Naphthalene-d8	40.0	I
21	11.67	0.87	897	1	96	98	3031405	bv	82	Nitrobenzene-d5	69.1	S
22	11.73	0.87	0	0	0	0	0		77	Nitrobenzene	0.0	
23	12.35	0.92	0	0	0	0	0		82	Isophorone	0.0	
24	12.51	0.93	0	0	0	0	0		139	2-Nitrophenol	0.0	
25	12.69	0.94	0	0	0	0	0		107	2,4-Dimethylphenol	0.0	CC
26	12.94	0.96	0	0	0	0	0		93	bis(2-Chloroethoxy)Met	0.0	
27	13.02	0.97	1032	0	96	97	1336295	bv	105	Benzoic acid	43.5	NR
28	13.12	0.98	0	0	0	0	0		162	2,4-Dichlorophenol	0.0	CC
29	13.32	0.99	0	0	0	0	0		180	1,2,4-Trichlorobenzene	0.0	M
30	13.50	1.01	0	0	0	0	0		128	Naphthalene	0.0	
31	13.68	1.02	0	0	0	0	0		127	4-Chloroaniline	0.0	
32	13.84	1.03	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
33	14.95	1.11	0	0	0	0	0		107	4-Chloro-3-Methylpheno	0.0	MC
34	15.26	1.14	0	0	0	0	0		142	2-Methylnaphthalene	0.0	
35	17.90	1.00	1520	-1	96	98	2524360	bb	164	Acenaphthene-d10	40.0	I
36	16.23	0.91	1353	1	93	99	5635416	bv	172	2-Fluorobiphenyl	73.0	S
37	19.93	1.11	1723	1	88	97	1238346	bv	330	2,4,6-Tribromophenol	00.1	S
38	15.67	0.88	0	0	0	0	0		237	Hexachlorocyclopentadi	0.0	SP
39	16.00	0.89	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
40	16.08	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
41	16.49	0.92	0	0	0	0	0		162	2-Chloronaphthalene	0.0	
42	16.79	0.94	0	0	0	0	0		65	2-Nitroaniline	0.0	
43	17.31	0.97	0	0	0	0	0		163	Dimethylphthalate	0.0	
44	17.54	0.98	0	0	0	0	0		152	Acenaphthylene	0.0	
45	17.44	0.97	0	0	0	0	0		165	2,6-Dinitrotoluene	0.0	
46	17.84	1.00	0	0	0	0	0		138	3-Nitroaniline	0.0	
47	18.00	1.01	0	0	0	0	0		153	Acenapthene	0.0	MC
48	18.13	1.01	0	0	0	0	0		184	2,4-Dinitrophenol	0.0	SP
49	18.32	1.02	1562	1	54	73	8007	bb	109	4-Nitrophenol	0.9	MS
50	18.44	1.03	0	0	0	0	0		168	Dibenzofuran	0.0	

DJE 9/14/94

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
51	18.46	1.03	0	0	0	0	0		165	2,4-Dinitrotoluene	0.0	M
52	19.14	1.07	0	0	0	0	0		149	Diethylphthalate	0.0	
53	19.37	1.08	0	0	0	0	0		204	4-Chlorophenyl-phenyle	0.0	
54	19.32	1.08	0	0	0	0	0		166	Fluorene	0.0	
55	19.40	1.08	0	0	0	0	0		138	4-Nitroaniline	0.0	
56	21.71	1.00	1901	-1	93	97	3924247	bv	188	Phenanthrene-d10	40.0	I
57	19.50	0.90	0	0	0	0	0		198	4,6-Dinitro-2-Methylph	0.0	
58	19.67	0.91	0	0	0	0	0		169	N-Nitrosodiphenylamine	0.0	CC
59	19.77	0.91	0	0	0	0	0		77	1,2-Diphenylhydrazine	0.0	NR
60	20.61	0.95	0	0	0	0	0		248	4-Bromophenyl-phenylet	0.0	
61	20.73	0.95	0	0	0	0	0		284	Hexachlorobenzene	0.0	
62	21.24	0.98	0	0	0	0	0		266	Pentachlorophenol	0.0	MC
63	21.78	1.00	0	0	0	0	0		178	Phenanthrene	0.0	
64	21.91	1.01	0	0	0	0	0		178	Anthracene	0.0	
65	22.35	1.03	0	0	0	0	0		167	Carbazole	0.0	
66	23.34	1.08	2064	0	80	97	108536	bb	149	Di-n-Butylphthalate	1.0	
67	24.84	1.14	0	0	0	0	0		202	Fluoranthene	0.0	CC
68	28.55	1.00	2585	-1	90	97	2112733	bv	240	Chrysene-d12	40.0	I
69	25.89	0.91	2319	2	89	98	5370869	bv	244	Terphenyl-d14	88.6	S
70	25.23	0.88	0	0	0	0	0		184	Benzidine	0.0	NR
71	25.42	0.89	0	0	0	0	0		202	Pyrene	0.0	M
72	27.20	0.95	0	0	0	0	0		149	Butylbenzylphthalate	0.0	
73	28.50	1.00	0	0	0	0	0		252	3,3'-Dichlorobenzidine	0.0	
74	28.54	1.00	0	0	0	0	0		228	Benzo(a)anthracene	0.0	
75	28.63	1.00	0	0	0	0	0		228	Chrysene	0.0	
76	28.72	1.01	2602	1	90	98	318984	bv	149	bis(2-ethylhexyl)phtha	6.8	
77	32.11	1.00	2941	0	81	94	1148493	bv	264	Perylene-d12	40.0	I
78	30.28	0.94	2758	0	0	0	0		149	Di-n-Octylphthalate	0.0	
79	31.17	0.97	0	0	0	0	0		252	Benzo(b)fluoranthene	0.0	
80	31.24	0.97	0	0	0	0	0		252	Benzo(k)fluoranthene	0.0	
81	31.97	1.00	0	0	0	0	0		252	Benzo(a)pyrene	0.0	CC
82	35.49	1.11	0	0	0	0	0		276	Indeno(1,2,3-cd)pyrene	0.0	
83	35.58	1.11	0	0	0	0	0		278	Dibenz(a,h)anthracene	0.0	
84	36.52	1.14	0	0	0	0	0		276	Benzo(g,h,i)perylene	0.0	
85	3.48	0.34	0	0	0	0	0		79	Pyridine	0.0	
86	13.69	1.02	0	0	0	0	0		162	2,6-Dichlorophenol	0.0	
87	18.77	1.05	0	0	0	0	0		232	2,3,4,6-Tetrachlorophe	0.0	

4163P04

Datafile : 4163P04

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	500690	1064624	2002760
Naphthalene-d8	2055962	4476544	8223848
Acenaphthene-d10	1208980	2524360	4835920
Phenanthrene-d10	2076334	3924247	8305336
Chrysene-d12	1308625	2112733	5234500
Perylene-d12	996407	1148493	3985628

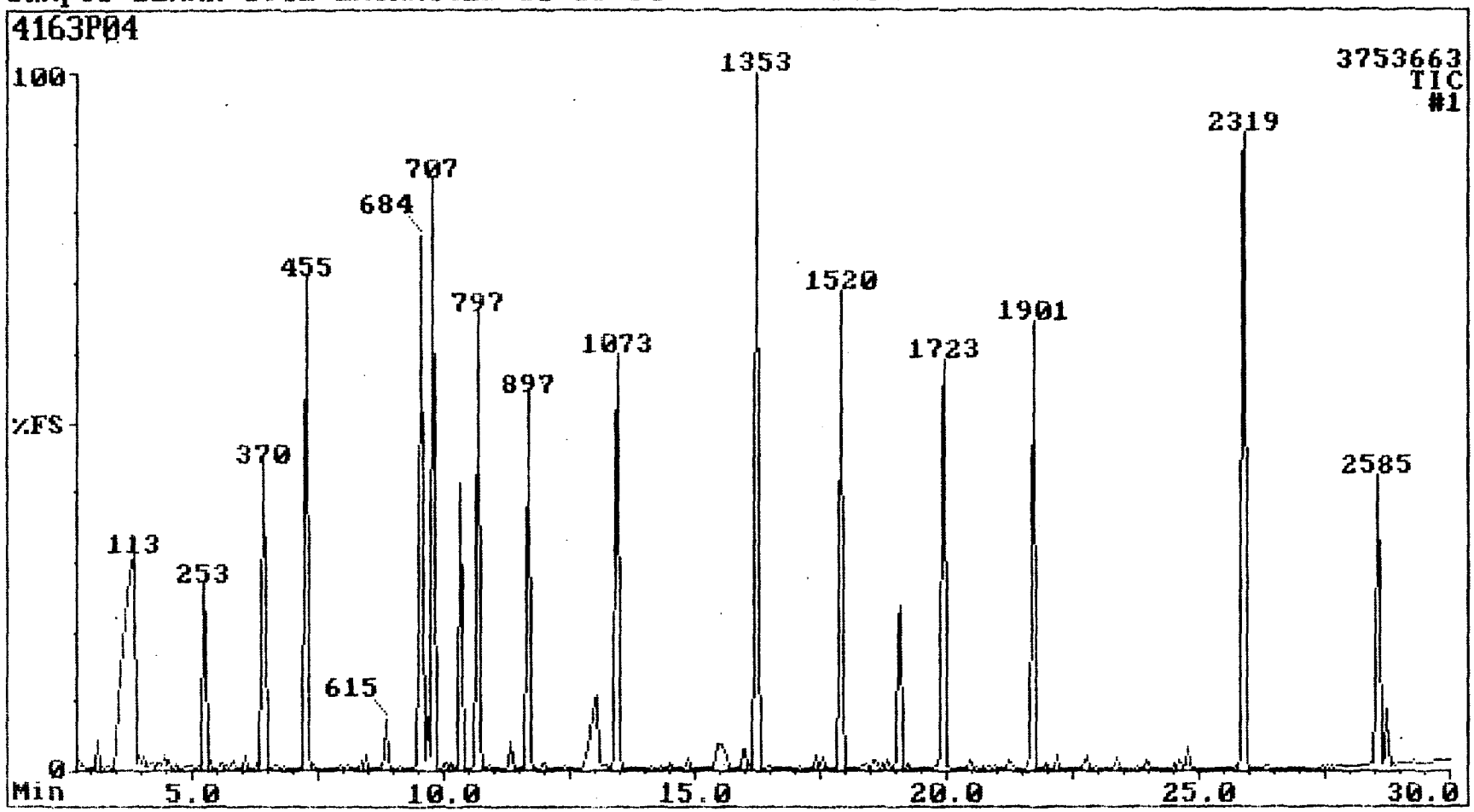
Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	10.32	10.31
Naphthalene-d8	13.45	13.43
Acenaphthene-d10	17.91	17.90
Phenanthrene-d10	21.72	21.71
Chrysene-d12	28.56	28.55
Perylene-d12	32.11	32.11

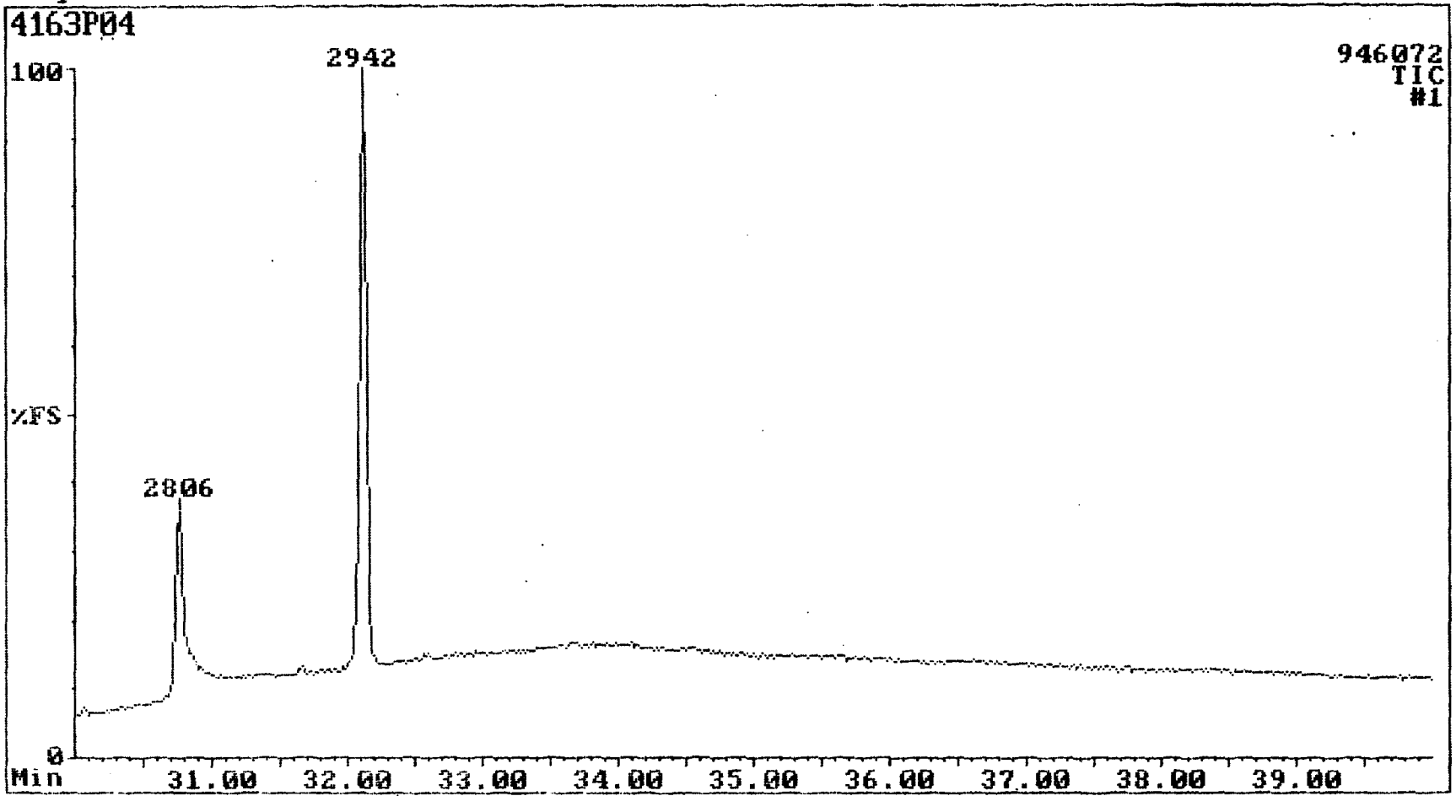
Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	111	74.1	(25-121)	(21-110)	bv	3807874
Phenol-d5	114	76.3	(24-113)	(10-110)	bb	5173108
2-Chlorophenol-d4	114	76.2	(20-130)	(33-110)	bv	4430789
1,2-Dichlorobenzene-d4	70	69.8	(20-130)	(16-110)	bb	1725904
Nitrobenzene-d5	69	69.1	(23-120)	(35-114)	bv	3031405
2-Fluorobiphenyl	73	73.0	(30-115)	(43-116)	bv	5635416
2,4,6-Tribromophenol	100	66.7	(19-122)	(10-123)	bv	1238346
Terphenyl-d14	89	88.6	(18-137)	(33-141)	bv	5370869

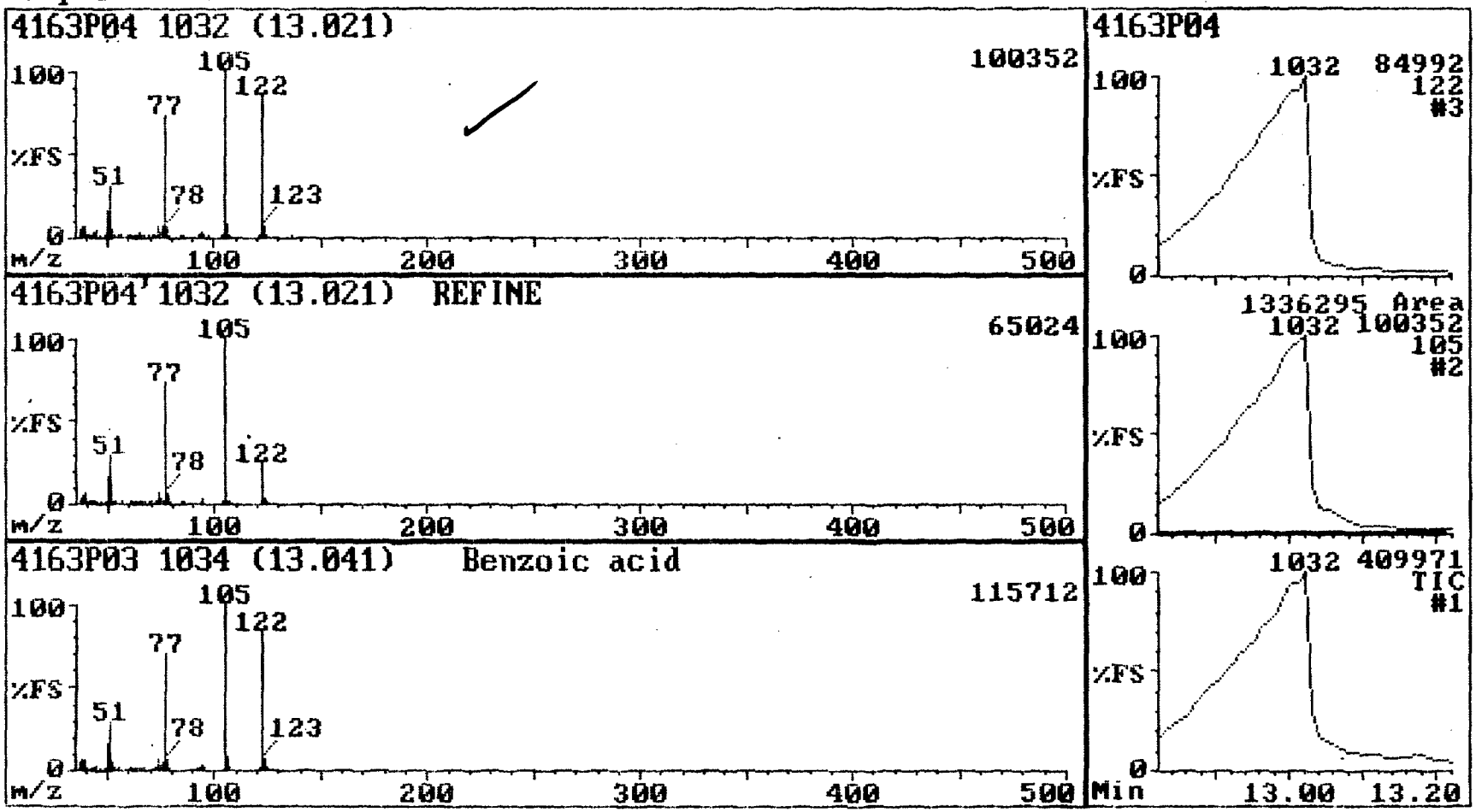
4163P04 06/12/94 21:48 VGTRI01A GNM
Sample:BLANK SOIL EXTRACTED 06/09/94 ECOL HPN:



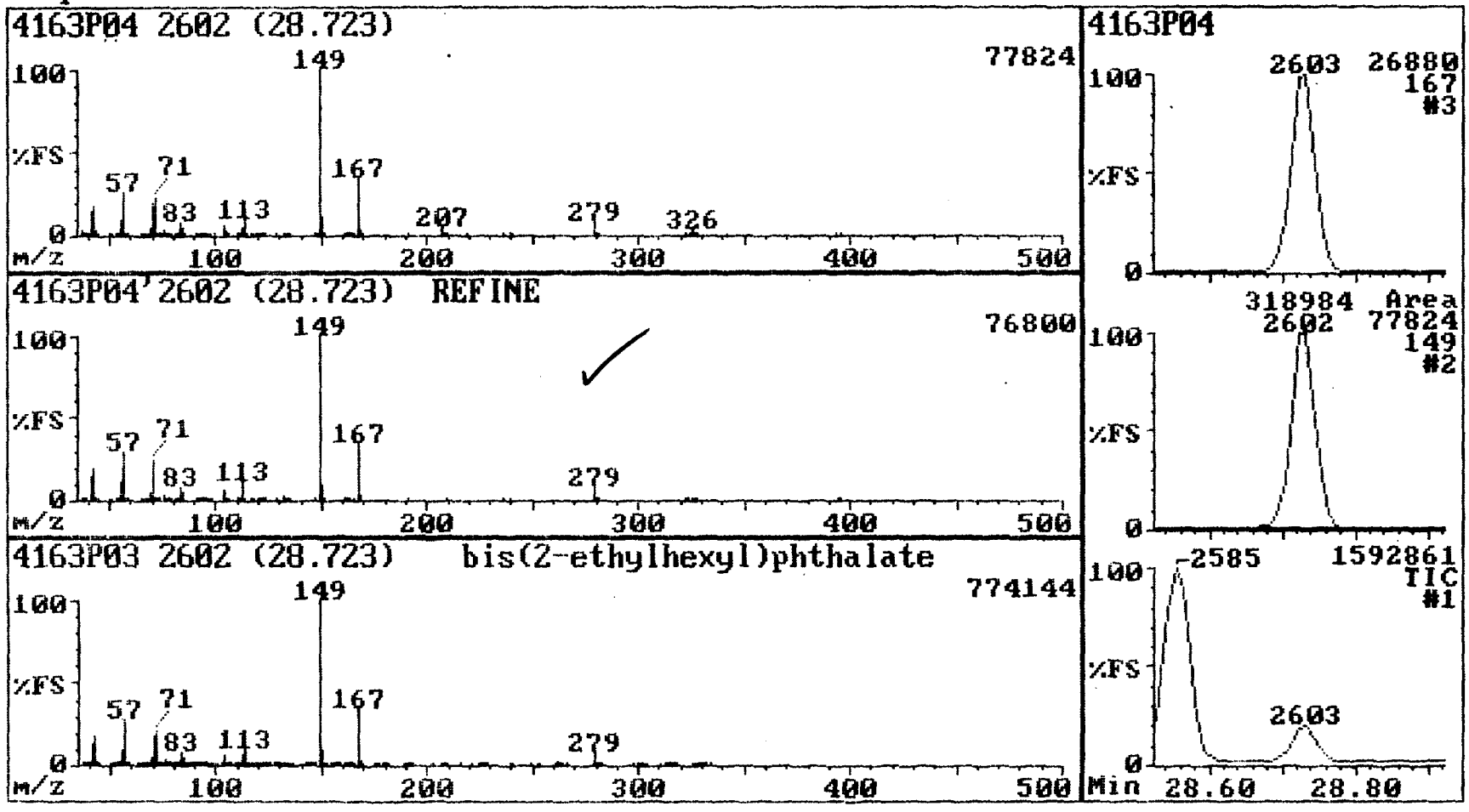
4163P04 06/12/94 21:48 VGTRI01A GNM
Sample:BLANK SOIL EXTRACTED 06/09/94 ECOL HPN:



4163P04 06/12/94 21:48 VGTRI01A GNM
Sample:BLANK SOIL EXTRACTED 06/09/94 ECOL HPN:

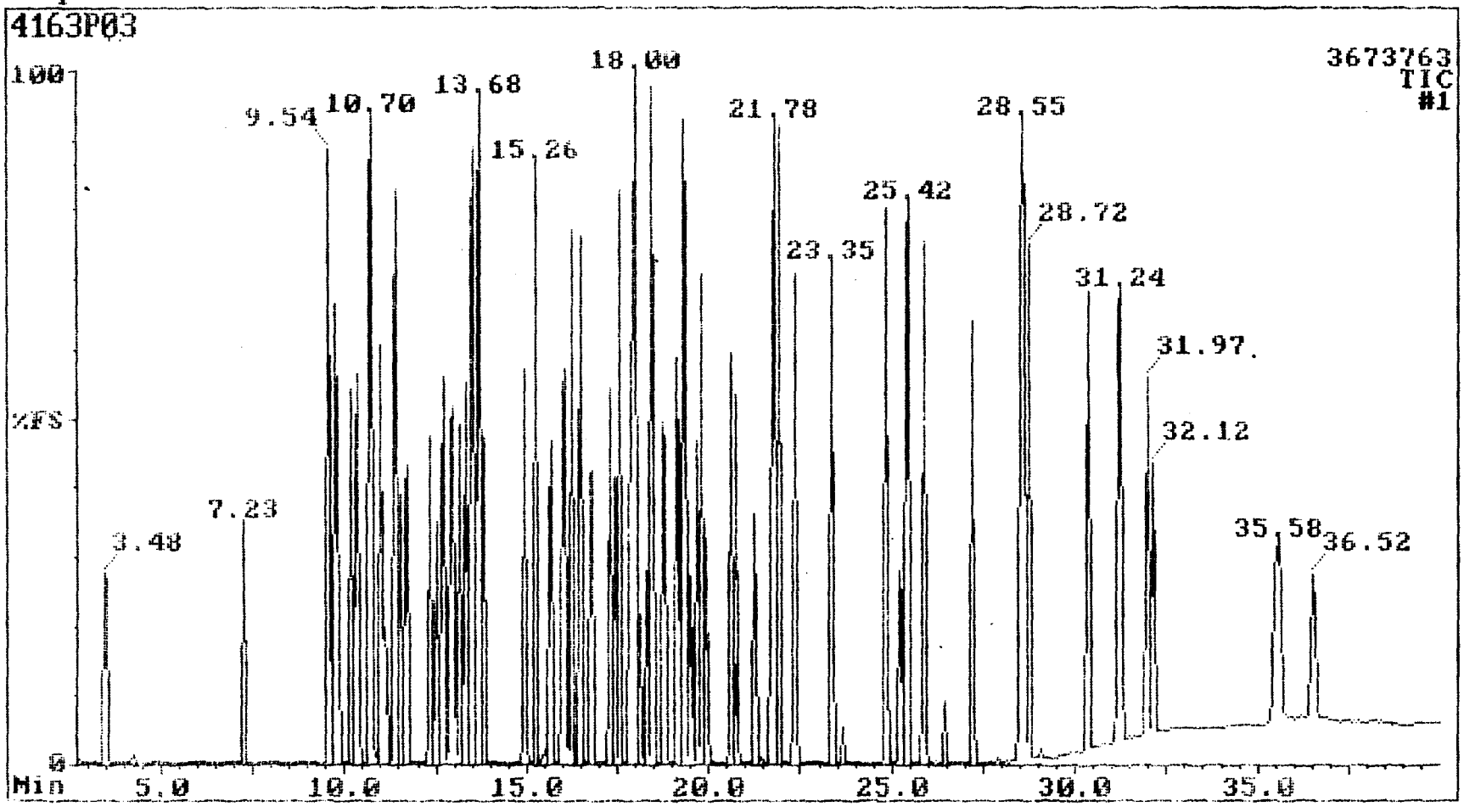


4163P04 06/12/94 21:48 VGTRI01A GNM
Sample:BLANK SOIL EXTRACTED 06/09/94 ECOL HPN:



4163P03 06/12/94 20:56 VGTrio1A G. Maisel

Sample:SSTD050 - 496-61-2 (vial 1) HPN:



✓
Jnm
06/13/94

Interim Report LAB-BASE FIND 06/13/94 07:49

Raw Datafile : 4163P04 Quan DB : 4163P04
Find DB : SV8270 Scan DB : 4163P04

No.	Spectrum MAT	Scan FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	97	99	-1	1064624	bb	761	762	152	1,4-Dichlorobenzene-d4
2	100	97	98	3	3807874	bv	455	452	112	2-Fluorophenol
3	100	97	98	1	5173108	bb	684	683	99	Phenol-d5
4	*** No Trace Found ***					*		74	42	N-Nitrosodimethylamine
5	*** No Trace Found ***							686	94	Phenol
6	*** No Trace Found ***							683	93	Aniline
7	*** No Trace Found ***							705	93	bis(2-Chloroethyl)Ether
8	*** No Trace Found ***							710	128	2-Chlorophenol
9	*** No Trace Found ***							746	146	1,3-Dichlorobenzene
10	*** No Trace Found ***							765	146	1,4-Dichlorobenzene
11	*** No Trace Found ***							799	108	Benzyl alcohol
12	*** No Trace Found ***							800	146	1,2-Dichlorobenzene
13	*** No Trace Found ***							829	108	2-Methyphenol
14	*** No Trace Found ***							834	45	2,2'-oxybis(1-Chloropropan
15	*** No Trace Found ***							868	108	4-Methylphenol
16	*** No Trace Found ***							866	70	N-Nitroso-Di-n-Propylamine
17	*** No Trace Found ***							881	117	Hexachloroethane
18	100	94	96	1	4430789	bv	707	706	132	2-Chlorophenol-d4
19	100	95	96	1	1725904	bb	797	796	152	1,2-Dichlorobenzene-d4
20	100	94	98	-2	4476544	bv	1073	1075	136	Naphthalene-d8
21	100	96	98	1	3031405	bv	897	896	82	Nitrobenzene-d5
22	*** No Trace Found ***					*		901	77	Nitrobenzene
23	*** No Trace Found ***							963	82	Isophorone
24	*** No Trace Found ***							979	139	2-Nitrophenol
25	*** No Trace Found ***							997	107	2,4-Dimethylphenol
26	*** No Trace Found ***							1022	93	bis(2-Chloroethoxy)Methane
27	100	96	97	0	1336295	bv	1032	1032	105	Benzoic acid
28	*** No Trace Found ***					*		1040	162	2,4-Dichlorophenol
29	*** No Trace Found ***							1060	180	1,2,4-Trichlorobenzene
30	*** No Trace Found ***							1078	128	Naphthalene
31	*** No Trace Found ***							1096	127	4-Chloroaniline
32	*** No Trace Found ***							1112	225	Hexachlorobutadiene
33	*** No Trace Found ***							1223	107	4-Chloro-3-Methylphenol
34	*** No Trace Found ***							1254	142	2-Methylnaphthalene
35	100	96	98	-1	2524360	bb	1520	1521	164	Acenaphthene-d10
36	100	93	99	1	5635416	bv	1353	1352	172	2-Fluorobiphenyl
37	100	88	97	1	1238346	bv	1723	1722	330	2,4,6-Tribromophenol
38	*** No Trace Found ***					*		1296	237	Hexachlorocyclopentadiene
39	*** No Trace Found ***							1329	196	2,4,6-Trichlorophenol
40	*** No Trace Found ***							1337	196	2,4,5-Trichlorophenol
41	*** No Trace Found ***							1378	162	2-Chloronaphthalene
42	*** No Trace Found ***							1408	65	2-Nitroaniline
43	*** No Trace Found ***							1460	163	Dimethylphthalate
44	*** No Trace Found ***							1483	152	Acenaphthylene
45	*** No Trace Found ***							1473	165	2,6-Dinitrotoluene
46	*** No Trace Found ***							1513	138	3-Nitroaniline
47	*** No Trace Found ***							1529	153	Acenapthene
48	*** No Trace Found ***							1542	184	2,4-Dinitrophenol
49	75	54	73	1	8007	bb	1562	1561	109	4-Nitrophenol
50	*** No Trace Found ***							1573	168	Dibenzofuran

52		*** No Trace Found ***							1643	149	Diethylphthalate
53		*** No Trace Found ***							1666	204	4-Chlorophenyl-phenylether
54		*** No Trace Found ***							1661	166	Fluorene
55		*** No Trace Found ***							1669	138	4-Nitroaniline
56	100	93	97	-1	3924247	bv		1901	1902	188	Phenanthrene-d10
57		*** No Trace Found ***					*		1679	198	4,6-Dinitro-2-Methylphenol
58		*** No Trace Found ***							1696	169	N-Nitrosodiphenylamine
59		*** No Trace Found ***							1706	77	1,2-Diphenylhydrazine
60		*** No Trace Found ***							1790	248	4-Bromophenyl-phenylether
61		*** No Trace Found ***							1802	284	Hexachlorobenzene
62		*** No Trace Found ***							1853	266	Pentachlorophenol
63		*** No Trace Found ***							1907	178	Phenanthrene
64		*** No Trace Found ***							1920	178	Anthracene
65		*** No Trace Found ***							1964	167	Carbazole
66	100	80	97	0	108536	bb		2064	2064	149	Di-n-Butylphthalate
67		*** No Trace Found ***							2213	202	Fluoranthene
68	100	90	97	-1	2112733	bv		2585	2586	240	Chrysene-d12
69	100	89	98	2	5370869	bv		2319	2317	244	Terphenyl-d14
70		*** No Trace Found ***					*		2252	184	Benzidine
71		*** No Trace Found ***							2271	202	Pyrene
72		*** No Trace Found ***							2449	149	Butylbenzylphthalate
73		*** No Trace Found ***							2579	252	3,3'-Dichlorobenzidine
74		*** No Trace Found ***							2583	228	Benzo(a)anthracene
75		*** No Trace Found ***							2592	228	Chrysene
76	100	90	98	1	318984	bv		2602	2601	149	bis(2-ethylhexyl)phthalate
77	100	81	94	0	1148493	bv		2941	2941	264	Perylene-d12
Z ~~78~~	32	13	61	-6	4044	!!		2758	2764	149	Di-n-Octylphthalate
79		*** No Trace Found ***							2847	252	Benzo(b)fluoranthene
80		*** No Trace Found ***							2854	252	Benzo(k)fluoranthene
81		*** No Trace Found ***							2927	252	Benzo(a)pyrene
82		*** No Trace Found ***							3279	276	Indeno(1,2,3-cd)pyrene
83		*** No Trace Found ***							3288	278	Dibenz(a,h)anthracene
84		*** No Trace Found ***							3382	276	Benzo(g,h,i)perylene
85		*** No Trace Found ***							78	79	Pyridine
86		*** No Trace Found ***							1097	162	2,6-Dichlorophenol
87		*** No Trace Found ***							1606	232	2,3,4,6-Tetrachlorophenol

4163P04

DAILY CALIBRATION CHECK

DATE : 06/12/94

TIME : 21:44

LAB FILE ID: 4163P03

	COMPOUND	FLAG	RF MEAN	RF 50	%D	
4	N-Nitrosodimethylamine	NR	0.402	0.395	1.9	
5	Phenol	MCCC	1.934	1.959	-1.3	✓
6	Aniline	NR	2.353	2.348	0.2	
7	bis(2-Chloroethyl)Ether		1.478	1.468	0.7	
8	2-Chlorophenol	M	1.386	1.491	-7.6	
9	1,3-Dichlorobenzene		1.492	1.529	-2.4	
10	1,4-Dichlorobenzene	MCCC	1.486	1.525	-2.7	✓
11	Benzyl alcohol	NR	0.864	1.014	-17.3	
12	1,2-Dichlorobenzene		1.437	1.458	-1.5	
13	2-Methyphenol		1.397	1.488	-6.5	
14	2,2'-oxybis(1-Chloropropane)		1.015	1.209	-19.1	
15	4-Methylphenol		1.446	1.565	-8.2	
16	N-Nitroso-Di-n-Propylamine	MSPCC	0.985	0.984	0.1	✓
17	Hexachloroethane		0.637	0.649	-2.0	
22	Nitrobenzene		0.441	0.379	14.1	
23	Isophorone		0.744	0.709	4.7	
24	2-Nitrophenol		0.179	0.206	-14.7	
25	2,4-Dimethylphenol	CCC	0.381	0.365	4.1	✓
26	bis(2-Chloroethoxy)Methane		0.505	0.483	4.4	
27	Benzoic acid	NR	0.187	0.275	-47.1*	increased response
28	2,4-Dichlorophenol	CCC	0.300	0.284	5.2	✓
29	1,2,4-Trichlorobenzene	M	0.353	0.314	11.2	
30	Naphthalene		1.129	1.150	-1.9	
31	4-Chloroaniline		0.477	0.501	-5.2	
32	Hexachlorobutadiene	CCC	0.178	0.167	6.0	✓
33	4-Chloro-3-Methylphenol	MCCC	0.323	0.350	-8.5	✓
34	2-Methylnaphthalene		0.684	0.703	-2.7	
38	Hexachlorocyclopentadiene	SPCC	0.341	0.354	-3.9	✓
39	2,4,6-Trichlorophenol	CCC	0.368	0.382	-3.9	✓
40	2,4,5-Trichlorophenol		0.391	0.413	-5.8	
41	2-Chloronaphthalene		1.136	1.118	1.6	
42	2-Nitroaniline		0.353	0.354	-0.3	
43	Dimethylphthalate		1.153	1.216	-5.4	
44	Acenaphthylene		1.700	1.785	-5.0	
45	2,6-Dinitrotoluene		0.263	0.294	-11.8	
46	3-Nitroaniline		0.286	0.352	-23.3*	
47	Acenapthene	MCCC	1.176	1.214	-3.2	✓
48	2,4-Dinitrophenol	SPCC	0.090	0.150	-66.8*	✓ increased response
49	4-Nitrophenol	MSPCC	0.111	0.138	-23.9*	✓
50	Dibenzofuran		1.550	1.588	-2.4	
51	2,4-Dinitrotoluene	M	0.328	0.376	-14.4	
52	Diethylphthalate		1.068	1.183	-10.8	
53	4-Chlorophenyl-phenylether		0.579	0.627	-8.3	
54	Fluorene		1.177	1.252	-6.4	
55	4-Nitroaniline		0.250	0.255	-1.8	
57	4,6-Dinitro-2-Methylphenol		0.090	0.124	-37.4*	increased response
58	N-Nitrosodiphenylamine	CCC	0.318	0.314	1.3	✓
59	1,2-Diphenylhydrazine	NR	0.909	0.862	5.1	

61	Hexachlorobenzene		0.226	0.224	0.6
62	Pentachlorophenol	MCCC	0.104	0.125	-19.8 ✓
63	Phenanthrene		1.033	1.022	1.1
64	Anthracene		1.041	1.027	1.3
65	Carbazole		0.868	0.842	3.0
66	Di-n-Butylphthalate		1.063	1.083	-1.9
67	Fluoranthene	CCC	0.955	0.991	-3.7 ✓
70	Benzidine	NR	0.427	0.473 ✓	-10.7
71	Pyrene	M	1.707	1.619	5.1
72	Butylbenzylphthalate		0.695	0.660	5.0
73	3,3'-Dichlorobenzidine		0.409	0.377	7.8
74	Benzo(a)anthracene		1.339	1.347	-0.5
75	Chrysene		1.214	1.212	0.2
76	bis(2-ethylhexyl)phthalate		0.958	0.889	7.2
78	Di-n-Octylphthalate	CCC	2.128	1.931	9.3 ✓
79	Benzo(b)fluoranthene		1.643	1.570	4.4
80	Benzo(k)fluoranthene		1.779	1.635	8.1
81	Benzo(a)pyrene	CCC	1.404	1.457	-3.7 ✓
82	Indeno(1,2,3-cd)pyrene		1.337	1.363	-1.9
83	Dibenz(a,h)anthracene		0.988	1.084	-9.6
84	Benzo(g,h,i)perylene		1.161	1.060	8.7
85	Pyridine		1.230	1.115	9.4
86	2,6-Dichlorophenol		0.297	0.281	5.2
87	2,3,4,6-Tetrachlorophenol		0.251	0.320	-27.2*
2	2-Fluorophenol	S	1.299	1.287	1.0
3	Phenol-d5	S	1.704	1.699	0.3
18	2-Chlorophenol-d4	S	1.352	1.456	-7.7
19	1,2-Dichlorobenzene-d4	S	0.915	0.928	-1.5
21	Nitrobenzene-d5	S	0.436	0.392	10.1
36	2-Fluorobiphenyl	S	1.253	1.223	2.4
37	2,4,6-Tribromophenol	S	0.158	0.196	-24.0*
69	Terphenyl-d14	S	1.103	1.148	-4.1

Passes 8270A criteria

✓

Gnm 06/12/94

! = FAILS METHOD CALIBRATION CRITERIA
SPCC RF > 0.050
CCC Difference < 30

* = Exceeds calibration warning limits
Difference < 20

QUAN DB : 4163P03 LAB-BASE QUAN 06/13/94 11:03

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	10.32	1.00	762	7	96	99	1001380	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	7.23	0.70	453	-2	97	98	1610904	bv	112	2-Fluorophenol	50.0	S
3	9.54	0.92	684	1	60	87	2126283	bv	99	Phenol-d5	50.0	S
4	3.44	0.33	74	-6	97	100	493828	bv	42	N-Nitrosodimethylamine	50.0	NR
5	9.57	0.93	687	1	93	96	2451892	bb	94	Phenol	50.0	MC
6	9.54	0.92	684	-1	81	95	2938796	bb	93	Aniline	50.0	NR
7	9.76	0.95	706	0	69	96	1837539	bv	93	bis(2-Chloroethyl)Ethe	50.0	
8	9.81	0.95	711	0	96	98	1866656	bv	128	2-Chlorophenol	50.0	M
9	10.17	0.99	747	0	98	99	1913477	bb	146	1,3-Dichlorobenzene	50.0	
10	10.36	1.00	766	0	97	99	1909407	bb	146	1,4-Dichlorobenzene	50.0	MC
11	10.70	1.04	800	1	91	94	1269600	b?	108	Benzyl alcohol	50.0	NR
12	10.71	1.04	801	0	79	93	1825384	bb	146	1,2-Dichlorobenzene	50.0	
13	11.00	1.07	830	2	97	98	1862804	bv	108	2-Methyphenol	50.0	
14	11.05	1.07	835	1	83	96	1513306	bv	45	2,2'-oxybis(1-Chloropr	50.0	
15	11.39	1.10	869	3	85	93	1959411	bv	108	4-Methylphenol	50.0	
16	11.37	1.10	867	2	72	98	1231344	bb	70	N-Nitroso-Di-n-Propyla	50.0	MS
17	11.52	1.12	882	0	97	98	812928	bb	117	Hexachloroethane	50.0	
18	9.77	0.95	707	0	80	94	1821956	bv	132	2-Chlorophenol-d4	50.0	S
19	10.67	1.03	797	0	87	93	1162048	bb	152	1,2-Dichlorobenzene-d4	50.0	S
20	13.45	1.00	1075	-10	93	98	4111924	bb	136	Naphthalene-d8	40.0	I
21	11.68	0.87	898	0	92	98	2015531	bb	82	Nitrobenzene-d5	50.0	S
22	11.73	0.87	903	0	98	99	1947820	bv	77	Nitrobenzene	50.0	
23	12.35	0.92	965	0	96	98	3645048	bv	82	Isophorone	50.0	
24	12.51	0.93	981	-1	98	98	1057844	bb	139	2-Nitrophenol	50.0	
25	12.69	0.94	999	0	97	98	1878317	bv	107	2,4-Dimethylphenol	50.0	CC
26	12.94	0.96	1024	1	88	99	2480376	bv	93	bis(2-Chloroethoxy)Met	50.0	
27	13.04	0.97	1034	3	97	97	1411802	vv	105	Benzoic acid	50.0	NR
28	13.12	0.98	1042	0	95	98	1461796	bv	162	2,4-Dichlorophenol	50.0	CC
29	13.32	0.99	1062	0	96	98	1611481	bb	180	1,2,4-Trichlorobenzene	50.0	M
30	13.50	1.00	1080	0	97	99	5912854	bb	128	Naphthalene	50.0	
31	13.68	1.02	1098	1	90	96	2577300	bv	127	4-Chloroaniline	50.0	
32	13.84	1.03	1114	-1	94	98	860392	bb	225	Hexachlorobutadiene	50.0	CC
33	14.95	1.11	1225	2	96	99	1799487	bv	107	4-Chloro-3-Methylpheno	50.0	MC
34	15.26	1.13	1256	0	95	98	3611449	bv	142	2-Methylnaphthalene	50.0	
35	17.91	1.00	1521	-11	96	98	2417960	bb	164	Acenaphthene-d10	40.0	I
36	16.23	0.91	1353	0	93	99	3696716	bb	172	2-Fluorobiphenyl	50.0	S
37	19.93	1.11	1723	1	87	97	592768	bv	330	2,4,6-Tribromophenol	50.0	S
38	15.67	0.87	1297	-1	90	96	1070412	bb	237	Hexachlorocyclopentadi	50.0	SP
39	16.00	0.89	1330	8	92	98	1154498	M	196	2,4,6-Trichlorophenol	50.0	CC
40	16.08	0.90	1338	1	93	98	1249704	M	196	2,4,5-Trichlorophenol	50.0	
41	16.49	0.92	1379	-1	96	98	3379816	bb	162	2-Chloronaphthalene	50.0	
42	16.79	0.94	1409	1	97	98	1068963	bb	65	2-Nitroaniline	50.0	
43	17.31	0.97	1461	1	97	99	3673816	bb	163	Dimethylphthalate	50.0	
44	17.54	0.98	1484	0	97	99	5393570	bv	152	Acenaphthylene	50.0	
45	17.44	0.97	1474	1	96	98	888024	vb	165	2,6-Dinitrotoluene	50.0	
46	17.84	1.00	1514	1	97	98	1064448	bv	138	3-Nitroaniline	50.0	
47	18.00	1.00	1530	1	98	99	3668853	bb	153	Acenapthene	50.0	MC
48	18.13	1.01	1543	2	95	98	452048	bv	184	2,4-Dinitrophenol	50.0	SP
49	18.32	1.02	1562	2	97	98	416986	bv	109	4-Nitrophenol	50.0	MS
50	18.44	1.03	1574	0	87	98	4800717	bv	168	Dibenzofuran	50.0	

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
51	18.46	1.03	1576	1	78	98	1135384	bb	165	2,4-Dinitrotoluene	50.0	M
52	19.14	1.07	1644	2	96	99	3575073	bb	149	Diethylphthalate	50.0	
53	19.37	1.08	1667	2	89	98	1896215	bb	204	4-Chlorophenyl-phenyle	50.0	
54	19.32	1.08	1662	1	95	98	3783187	bv	166	Fluorene	50.0	
55	19.40	1.08	1670	2	95	98	769321	M	138	4-Nitroaniline	50.0	
56	21.72	1.00	1902	-11	92	98	4132668	bv	188	Phenanthrene-d10	40.0	I
57	19.50	0.90	1680	1	92	98	645263	bb	198	4,6-Dinitro-2-Methylph	50.0	
58	19.67	0.91	1697	-1	93	98	1631005	bv	169	N-Nitrosodiphenylamine	50.0	CC
59	19.77	0.91	1707	-1	96	98	4476582	M	77	1,2-Diphenylhydrazine	50.0	NR
60	20.61	0.95	1791	-1	92	97	1108240	bb	248	4-Bromophenyl-phenylet	50.0	
61	20.73	0.95	1803	0	93	98	1164320	bb	284	Hexachlorobenzene	50.0	
62	21.24	0.98	1854	0	85	98	647415	bv	266	Pentachlorophenol	50.0	MC
63	21.78	1.00	1908	0	96	98	5303255	bv	178	Phenanthrene	50.0	
64	21.91	1.01	1921	0	96	98	5329842	vv	178	Anthracene	50.0	
65	22.35	1.03	1965	0	96	98	4369023	bb	167	Carbazole	50.0	
66	23.35	1.08	2065	2	94	99	5619080	bv	149	Di-n-Butylphthalate	50.0	
67	24.84	1.14	2214	1	95	98	5143980	bb	202	Fluoranthene	50.0	CC
68	28.56	1.00	2586	6	64	94	2617250	bv	240	Chrysene-d12	40.0	I
69	25.88	0.91	2318	-1	88	97	3755197	bv	244	Terphenyl-d14	50.0	S
70	25.23	0.88	2253	-1	91	99	1547463	bv	184	Benzidine	50.0	NR
71	25.42	0.89	2272	-1	95	98	5298198	bv	202	Pyrene	50.0	M
72	27.20	0.95	2450	1	96	98	2160420	bv	149	Butylbenzylphthalate	50.0	
73	28.50	1.00	2580	0	63	98	1232712	bb	252	3,3'-Dichlorobenzidine	50.0	
74	28.54	1.00	2584	0	84	98	4405696	bv	228	Benzo(a)anthracene	50.0	
75	28.63	1.00	2593	0	95	98	3964724	v?	228	Chrysene	50.0	
76	28.72	1.01	2602	0	94	98	2908342	bv	149	bis(2-ethylhexyl)phtha	50.0	
77	32.11	1.00	2941	1	82	94	1992814	bv	264	Perylene-d12	40.0	I
78	30.34	0.94	2764	3	92	98	4809989	vv	149	Di-n-Octylphthalate	50.0	CC
79	31.17	0.97	2847	10	91	98	3911154	M	252	Benzo(b)fluoranthene	50.0	
80	31.24	0.97	2854	4	92	98	4073231	M	252	Benzo(k)fluoranthene	50.0	
81	31.97	1.00	2927	1	89	97	3628297	bv	252	Benzo(a)pyrene	50.0	CC
82	35.49	1.11	3279	-5	82	96	3394269	vv	276	Indeno(1,2,3-cd)pyrene	50.0	
83	35.58	1.11	3288	-6	82	98	2699761	bv	278	Dibenz(a,h)anthracene	50.0	
84	36.52	1.14	3382	-7	80	99	2640240	bv	276	Benzo(g,h,i)perylene	50.0	
85	3.48	0.34	78	-6	97	100	1395429	bv	79	Pyridine	50.0	
86	13.69	1.02	1099	0	80	86	1445856	bv	162	2,6-Dichlorophenol	50.0	
87	18.77	1.05	1607	1	91	100	966951	bv	232	2,3,4,6-Tetrachlorophe	50.0	

✓
Gnm
06/12/94

Interim Report LAB-BASE FIND 06/12/94 21:40

Raw Datafile : 4163P03 Quan DB : 4163P03
Find DB : SV8270 Scan DB :

No.	Spectrum MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	77	96	99	7	1001380	bb	762	755	152	1,4-Dichlorobenzene-d4
2	100	97	98	-2	1610904	bv	453	455	112	2-Fluorophenol
3	92	60	87	1	2126283	bv	684	683	99	Phenol-d5
4	85	97	100	-6	493828	bv	74	80	42	N-Nitrosodimethylamine
5	100	93	96	1	2451892	bb	687	686	94	Phenol
6	100	81	95	-1	2938796	bb	684	685	93	Aniline
7	98	69	96	0	1837539	bv	706	706	93	bis(2-Chloroethyl)Ether
8	100	96	98	0	1866656	bv	711	711	128	2-Chlorophenol
9	100	98	99	0	1913477	bb	747	747	146	1,3-Dichlorobenzene
10	100	97	99	0	1909407	bb	766	766	146	1,4-Dichlorobenzene
11	100	91	94	1	1269600	b?	800	799	108	Benzyl alcohol
12	100	79	93	0	1825384	bb	801	801	146	1,2-Dichlorobenzene
13	100	97	98	2	1862804	bv	830	828	108	2-Methyphenol
14	100	83	96	1	1513306	bv	835	834	45	2,2'-oxybis(1-Chloropropan
15	94	85	93	3	1959411	bv	869	866	108	4-Methylphenol
16	100	72	98	2	1231344	bb	867	865	70	N-Nitroso-Di-n-Propylamine
17	100	97	98	0	812928	bb	882	882	117	Hexachloroethane
18	100	80	94	0	1821956	bv	707	707	132	2-Chlorophenol-d4
19	100	87	93	0	1162048	bb	797	797	152	1,2-Dichlorobenzene-d4
20	51	93	98	-10	4111924	bb	1075	1085	136	Naphthalene-d8
21	100	92	98	0	2015531	bb	898	898	82	Nitrobenzene-d5
22	100	98	99	0	1947820	bv	903	903	77	Nitrobenzene
23	100	96	98	0	3645048	bv	965	965	82	Isophorone
24	100	98	98	-1	1057844	bb	981	982	139	2-Nitrophenol
25	100	97	98	0	1878317	bv	999	999	107	2,4-Dimethylphenol
26	100	88	99	1	2480376	bv	1024	1023	93	bis(2-Chloroethoxy)Methane
27	100	97	97	3	1411802	vv	1034	1031	105	Benzoic acid
28	100	95	98	0	1461796	bv	1042	1042	162	2,4-Dichlorophenol
29	100	96	98	0	1611481	bb	1062	1062	180	1,2,4-Trichlorobenzene
30	100	97	99	0	5912854	bb	1080	1080	128	Naphthalene
31	100	90	96	1	2577300	bv	1098	1097	127	4-Chloroaniline
32	100	94	98	-1	860392	bb	1114	1115	225	Hexachlorobutadiene
33	100	96	99	2	1799487	bv	1225	1223	107	4-Chloro-3-Methylphenol
34	100	95	98	0	3611449	bv	1256	1256	142	2-Methylnaphthalene
35	52	96	98	-11	2417960	bb	1521	1532	164	Acenaphthene-d10
36	100	93	99	0	3696716	bb	1353	1353	172	2-Fluorobiphenyl
37	100	87	97	1	592768	bv	1723	1722	330	2,4,6-Tribromophenol
38	100	90	96	-1	1070412	bb	1297	1298	237	Hexachlorocyclopentadiene
39	69	92	98	8	2465932	b?	1338	1330	196	2,4,6-Trichlorophenol
40	100	93	98	1	2465932	b?	1338	1337	196	2,4,5-Trichlorophenol
41	100	96	98	-1	3379816	bb	1379	1380	162	2-Chloronaphthalene
42	100	97	98	1	1068963	bb	1409	1408	65	2-Nitroaniline
43	100	97	99	1	3673816	bb	1461	1460	163	Dimethylphthalate
44	100	97	99	0	5393570	bv	1484	1484	152	Acenaphthylene
45	100	96	98	1	888024	vb	1474	1473	165	2,6-Dinitrotoluene
46	100	97	98	1	1064448	bv	1514	1513	138	3-Nitroaniline
47	100	98	99	1	3668853	bb	1530	1529	153	Acenapthene
48	100	95	98	2	452048	bv	1543	1541	184	2,4-Dinitrophenol
49	100	97	98	2	416986	bv	1562	1560	109	4-Nitrophenol
50	100	87	98	0	4800717	bv	1574	1574	168	Dibenzofuran

52	100	96	99	2	3570073	bb	1644	1642	149	Diethylphthalate
53	100	89	98	2	1896215	bb	1667	1665	204	4-Chlorophenyl-phenylether
54	100	95	98	1	3783187	bv	1662	1661	166	Fluorene
55	100	95	98	2	822628	bb	1670	1668	138	4-Nitroaniline
56	51	92	98	-11	4152668	bv	1902	1913	188	Phenanthrene-d10
57	100	92	98	1	645263	bb	1680	1679	198	4,6-Dinitro-2-Methylphenol
58	100	93	98	-1	1631005	bv	1697	1698	169	N-Nitrosodiphenylamine
59	100	96	98	-1	4769681	bv	1707	1708	77	1,2-Diphenylhydrazine
60	100	92	97	-1	1108240	bb	1791	1792	248	4-Bromophenyl-phenylether
61	100	93	98	0	1164320	bb	1803	1803	284	Hexachlorobenzene
62	100	85	98	0	647415	bv	1854	1854	266	Pentachlorophenol
63	100	96	98	0	5303255	bv	1908	1908	178	Phenanthrene
64	100	96	98	0	5329842	vv	1921	1921	178	Anthracene
65	100	96	98	0	4369023	bb	1965	1965	167	Carbazole
66	100	94	99	2	5619080	bv	2065	2063	149	Di-n-Butylphthalate
67	100	95	98	1	5143980	bb	2214	2213	202	Fluoranthene
68	68	64	94	6	2617250	bv	2586	2580	240	Chrysene-d12
69	100	88	97	-1	3755197	bv	2318	2319	244	Terphenyl-d14
70	100	91	99	-1	1547463	bv	2253	2254	184	Benzidine
71	100	95	98	-1	5298198	bv	2272	2273	202	Pyrene
72	100	96	98	1	2160420	bv	2450	2449	149	Butylbenzylphthalate
73	100	63	98	0	1232712	bb	2580	2580	252	3,3'-Dichlorobenzidine
74	100	84	98	0	4405696	bv*	2584	2584	228	Benzo(a)anthracene
75	100	95	98	0	3964724	v?	2593	2593	228	Chrysene
76	100	94	98	0	2908342	bv	2602	2602	149	bis(2-ethylhexyl)phthalate
77	100	82	94	1	1992814	bv	2941	2940	264	Perylene-d12
78	100	92	98	3	4809989	vv	2764	2761	149	Di-n-Octylphthalate
79	56	91	98	10	7834150	bv	2854	2844	252	Benzo(b)fluoranthene
80	94	92	98	4	7834150	bv	2854	2850	252	Benzo(k)fluoranthene
81	100	89	97	1	3628297	bv	2927	2926	252	Benzo(a)pyrene
82	82	82	96	-5	3394269	vv	3279	3284	276	Indeno(1,2,3-cd)pyrene
83	77	82	98	-6	2699761	bv	3288	3294	278	Dibenz(a,h)anthracene
84	100	80	99	-7	2640240	bv	3382	3389	276	Benzo(g,h,i)perylene
85	100	97	100	-6	1395429	bv	78	84	79	Pyridine
86	100	80	86	0	1445856	bv*	1099	1099	162	2,6-Dichlorophenol
87	100	91	100	1	966951	bv	1607	1606	232	2,3,4,6-Tetrachlorophenol

Xit Hcpy ? Other GC INLET EDITOR File: METBNA

SD Sample Description
SSTD050 - 496-61-2 (vial 1)
CO Conditions DB5-625 30m x 0.25mm id x 1um film, 2ul

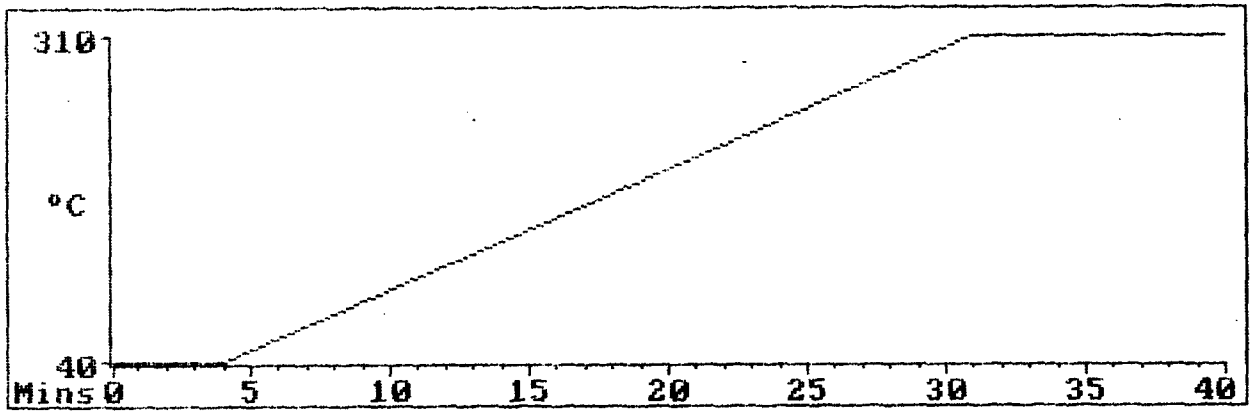
DU Duration (mins)	0.00	MSM	MS Mode	SCN
SO Solvent delay	2.7	MSF	MS Filename	MSBNA

JI Job Identifier				
TI Task Identifier				
UN User Name	G. Maisel	ST	Store oven Temperature	NO
IN Instrument Name	VGTrio1A	ECS	External Contact Start	NO
LN Laboratory Name	TCT St Paul			

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Xit Hcpy ? Other GC INLET EDITOR File: METBNA

1st ramp		2nd ramp		3rd ramp		4th ramp	
1T Temperature	40	2T Temperature	310	3T Temperature	0	4T Temperature	0
1M Minutes	4.00	2M Minutes	9.00	3M Minutes	0.00	4M Minutes	0.00
1R Rate	10.0	2R Rate	0.0	3R Rate	0.0		



Signals	
SS1 Select	0
SR1 Range	0
SA1 Atten.	0
SZ1 Zero	0.0
SS2 Select	0
SR2 Range	0
SA2 Atten.	0
SZ2 Zero	0.0

Colors		Purge valve		Injectors		General	
CA Axes	8	PS Purge State	ON	IA Temperature	0	GO Oven max	350
CS Scale	13	PF Mins off	0.00	IB Temperature	250	GC Cryogenic	NO
CR Ramp	11	PN Mins on	1.00			GE Eq mins	0.00
						GV Dump Valve	NO
						GD Detectors	NO

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

SW-846 DFTPP TUNE CHECK REPORT

Datafile : 4163P02

Date : 06/12/94
Time : 20:34

M/E	ION ABUNDANCE CRITERIA	ABUNDANCE	TUNE
51	30.0 - 60.0% of mass 198	36.35	PASS
68	Less than 2.0% of mass 69	0.29(0.8)1	PASS
69	Mass 69 relative abundance	35.58	PASS
70	Less then 2.0% of mass 69	0.19(0.5)1	PASS
127	40.0 - 60.0% of mass 198	47.85	PASS
197	Less than 1% of mass 198	0.08	PASS
198	Base peak, 100% relative abundance	100.00	PASS
199	5 - 9% of mass 198	6.13	PASS
275	10 - 30% of mass 198	23.01	PASS
365	greater than 1.0% of mass 198	1.97	PASS
441	Present, but less then mass 443	12.88	PASS
442	greater than 40.0% of mass 198	83.44	PASS
443	17.0 - 23.0% of mass 442	16.56(19.9)2	PASS

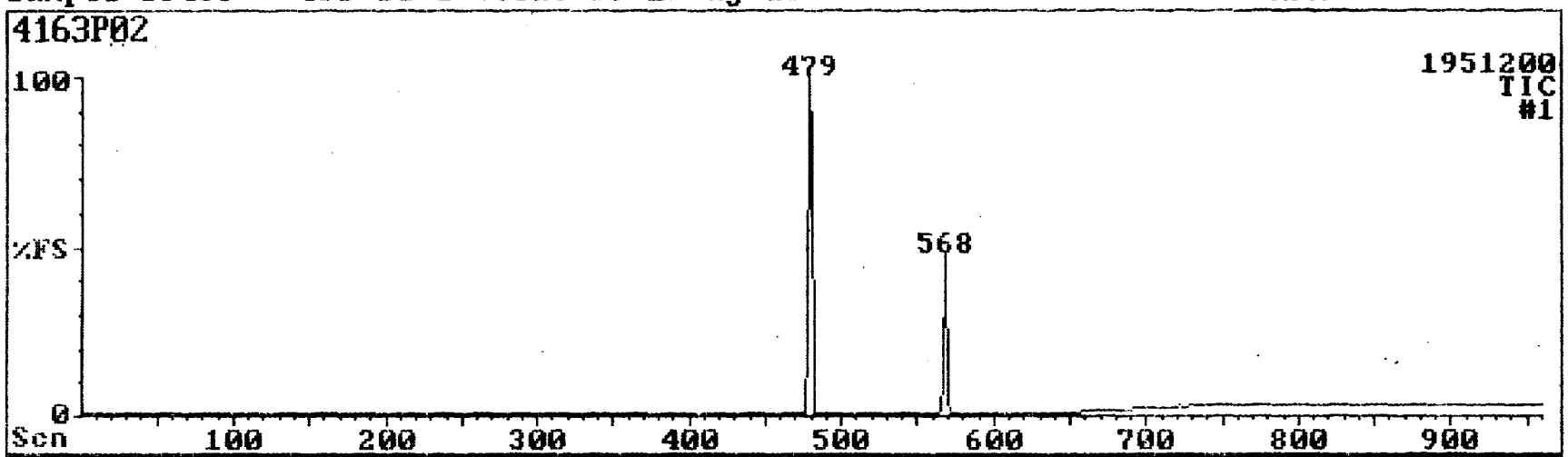
✓ Gnm 06/12/94

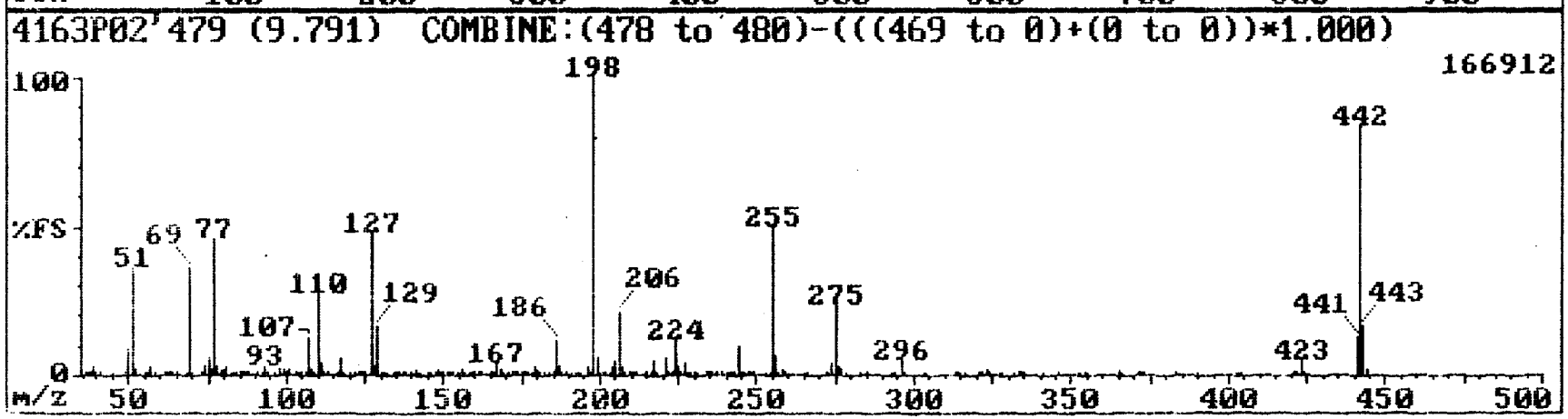
4163P02'479 (9.791) COMBINE:(478 to 480)-(((469 to 0)+(0 to 0))*1.000) 1669

Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int
35	227	0.14	92	932	0.56	142	1040	0.62	187	5504	3.30	235	448	0.27	315	724	0.43
37	440	0.26	93	5376	3.22	143	728	0.44	188	412	0.25	236	264	0.16	316	524	0.31
38	528	0.32	94	456	0.27	145	180	0.11	189	776	0.46	237	568	0.34	321	171	0.10
39	4416	2.65	96	392	0.23	146	432	0.26	191	468	0.28	239	228	0.14	322	89	0.05
40	324	0.19	98	4048	2.43	147	1648	0.99	192	1360	0.81	240	120	0.07	323	3720	2.23
41	260	0.16	99	3872	2.32	148	2880	1.73	193	1600	0.96	241	272	0.16	324	656	0.39
45	91	0.05	100	288	0.17	149	604	0.36	194	276	0.17	242	972	0.58	327	424	0.25
49	348	0.21	101	2672	1.60	150	148	0.09	196	4480	2.68	243	916	0.55	328	169	0.10
50	14080	8.44	103	812	0.49	151	380	0.23	197	129	0.08	244	16640	9.97	332	123	0.07
51	60672	36.35	104	1440	0.86	152	135	0.08	198	166912	100.00	245	2000	1.20	333	245	0.15
52	3200	1.92	105	1456	0.87	153	888	0.53	199	10240	6.13	246	2288	1.37	334	2400	1.44
55	268	0.16	106	348	0.21	154	656	0.39	200	724	0.43	247	408	0.24	335	516	0.31
56	1728	1.04	107	21248	12.73	155	1712	1.03	201	504	0.30	248	112	0.07	341	316	0.19
57	4288	2.57	108	3184	1.91	156	2816	1.69	202	484	0.29	249	428	0.26	346	508	0.30
58	88	0.05	109	292	0.17	157	596	0.36	203	668	0.40	253	115	0.07	352	1056	0.63
61	580	0.35	110	45312	27.15	158	468	0.28	204	4544	2.72	254	88	0.05	353	772	0.46
62	644	0.39	111	5824	3.49	159	364	0.22	205	7872	4.72	255	82944	49.69	354	1504	0.90
63	2176	1.30	112	664	0.40	160	852	0.51	206	35584	21.32	256	11328	6.79	355	141	0.08
64	276	0.17	113	205	0.12	161	1584	0.95	207	4224	2.53	257	660	0.40	365	3280	1.97
65	1328	0.80	116	792	0.47	162	368	0.22	208	992	0.59	258	3536	2.12	366	264	0.16
68	484	0.29	117	10048	6.02	165	904	0.54	209	284	0.17	259	456	0.27	371	167	0.10
69	59392	35.58	118	696	0.42	166	792	0.47	210	856	0.51	265	1312	0.79	372	2032	1.22
70	312	0.19	120	235	0.14	167	5888	3.53	211	1488	0.89	266	88	0.05	373	428	0.26
73	380	0.23	122	944	0.57	168	2608	1.56	212	93	0.06	272	151	0.09	383	412	0.25
74	5184	3.11	123	1840	1.10	169	384	0.23	215	244	0.15	273	2400	1.44	390	160	0.10
75	8960	5.37	124	720	0.43	171	220	0.13	216	468	0.28	274	6912	4.14	402	784	0.47
76	2880	1.73	125	788	0.47	172	452	0.27	217	7744	4.64	275	38400	23.01	403	1232	0.74
77	75776	45.40	127	79872	47.85	173	604	0.36	218	980	0.59	276	4736	2.84	404	235	0.14
78	4992	2.99	128	5120	3.07	174	1120	0.67	221	10304	6.17	277	2512	1.50	421	1088	0.65
79	3376	2.02	129	27392	16.41	175	2368	1.42	222	660	0.40	278	320	0.19	422	980	0.59
80	2944	1.76	130	2144	1.28	176	672	0.40	223	1840	1.10	283	284	0.17	423	7744	4.64
81	4544	2.72	131	388	0.23	177	1104	0.66	224	19456	11.66	285	460	0.28	424	1472	0.88
82	1120	0.67	132	244	0.15	178	215	0.13	225	4672	2.80	293	756	0.45	441	21504	12.88
83	1360	0.81	134	632	0.38	179	4224	2.53	226	312	0.19	294	87	0.05	442	139264	83.44
84	99	0.06	135	2288	1.37	180	3120	1.87	227	6336	3.80	296	7552	4.52	443	27648	16.56
85	772	0.46	136	744	0.45	181	1488	0.89	228	816	0.49	297	940	0.56	444	2544	1.52
86	980	0.59	137	1120	0.67	182	201	0.12	229	1584	0.95	303	1136	0.68			
87	568	0.34	138	116	0.07	184	280	0.17	230	91	0.05	304	184	0.11			
88	239	0.14	140	215	0.13	185	1984	1.19	231	624	0.37	313	163	0.10			
91	1088	0.65	141	2944	1.76	186	19968	11.96	234	280	0.17	314	392	0.23			

4163P02 06/12/94 20:34 VGTrio1A G. Maisel

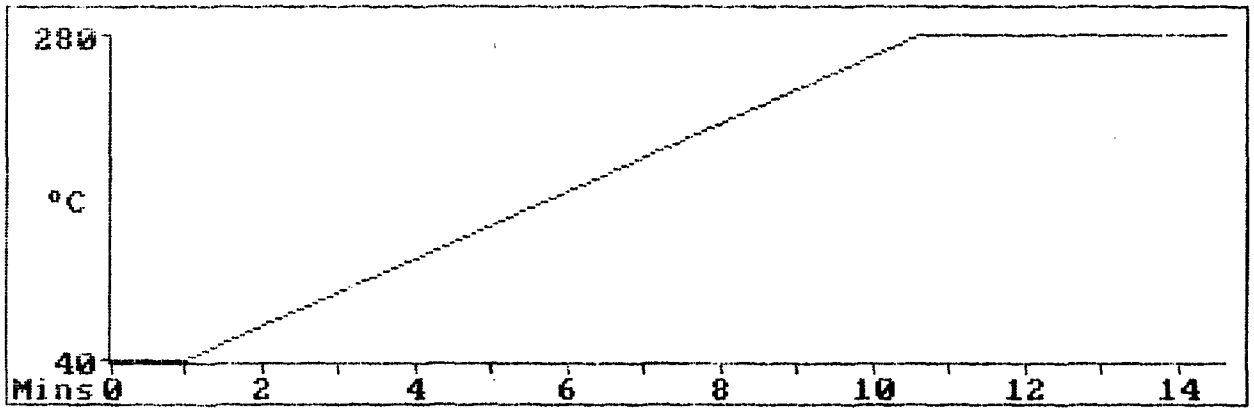
Sample:DFTPP - 496-51-1 (vial 5) 25 ng/ul HPN:





Xit Hcpy ? Other GC INLET EDITOR File: DFTPP

1st ramp		2nd ramp		3rd ramp		4th ramp	
1T Temperature	40	2T Temperature	280	3T Temperature	0	4T Temperature	0
1M Minutes	1.00	2M Minutes	4.00	3M Minutes	0.00	4M Minutes	0.00
1R Rate	25.0	2R Rate	0.0	3R Rate	0.0		



Signals	
SS1 Select	0
SR1 Range	0
SA1 Atten.	0
SZ1 Zero	0.0
SS2 Select	0
SR2 Range	0
SA2 Atten.	0
SZ2 Zero	0.0

Colors		Purge valve		Injectors		General	
CA Axes	8	PS Purge State	ON	IA Temperature	0	GO Oven max	350
CS Scale	13	PF Mins off	0.00	IB Temperature	250	GC Cryogenic	NO
CR Ramp	11	PN Mins on	1.00			GE Eq mins	0.00
						GV Dump Valve	NO
						GD Detectors	NO

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Xit Hcpy ? Other GC INLET EDITOR File: DFTPP

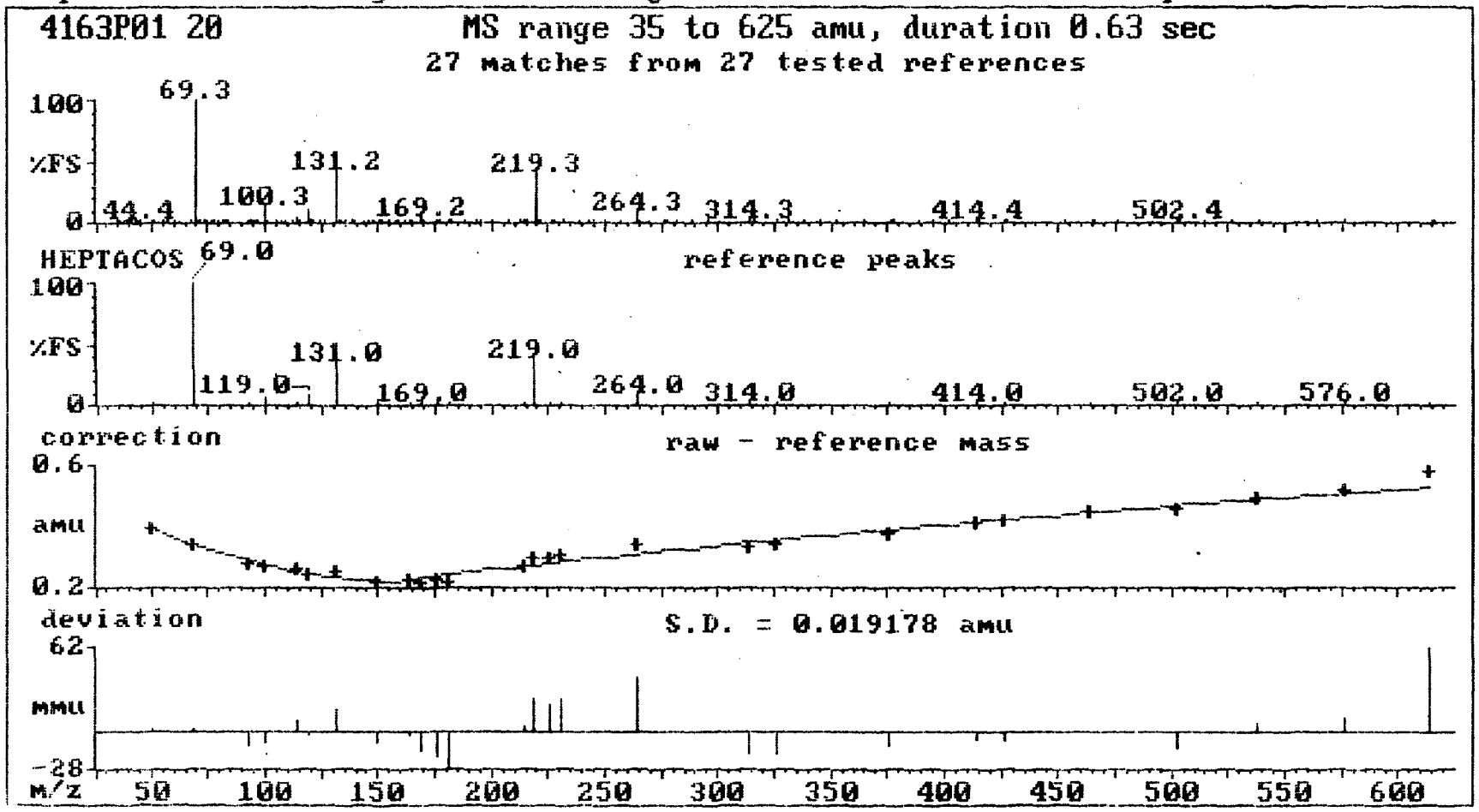
SD Sample Description
DFTPP - 496-51-1 (vial 5) 25 ng/ul
CO Conditions DB5-625 30m x 0.25mm id x 1um film, 2ul

DU	Duration (mins)	15.00	MSM	MS Mode	SCN
SO	Solvent delay	5.0	MSF	MS Filename	MSBNA
JI	Job Identifier				
TI	Task Identifier				
UN	User Name	G. Maisel	ST	Store oven Temperature	NO
IN	Instrument Name	VGTrio1A	ECS	External Contact Start	NO
LN	Laboratory Name	TCT St Paul			

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

4163P01 06/12/94 20:26 VGTrio1A G. Maisel

Sample:HEPTACOSA - dynamic cal using BNA sca ameters exp HPN: 62



Xit Hcpy ? SCAN EDITOR File: HEPTAEX

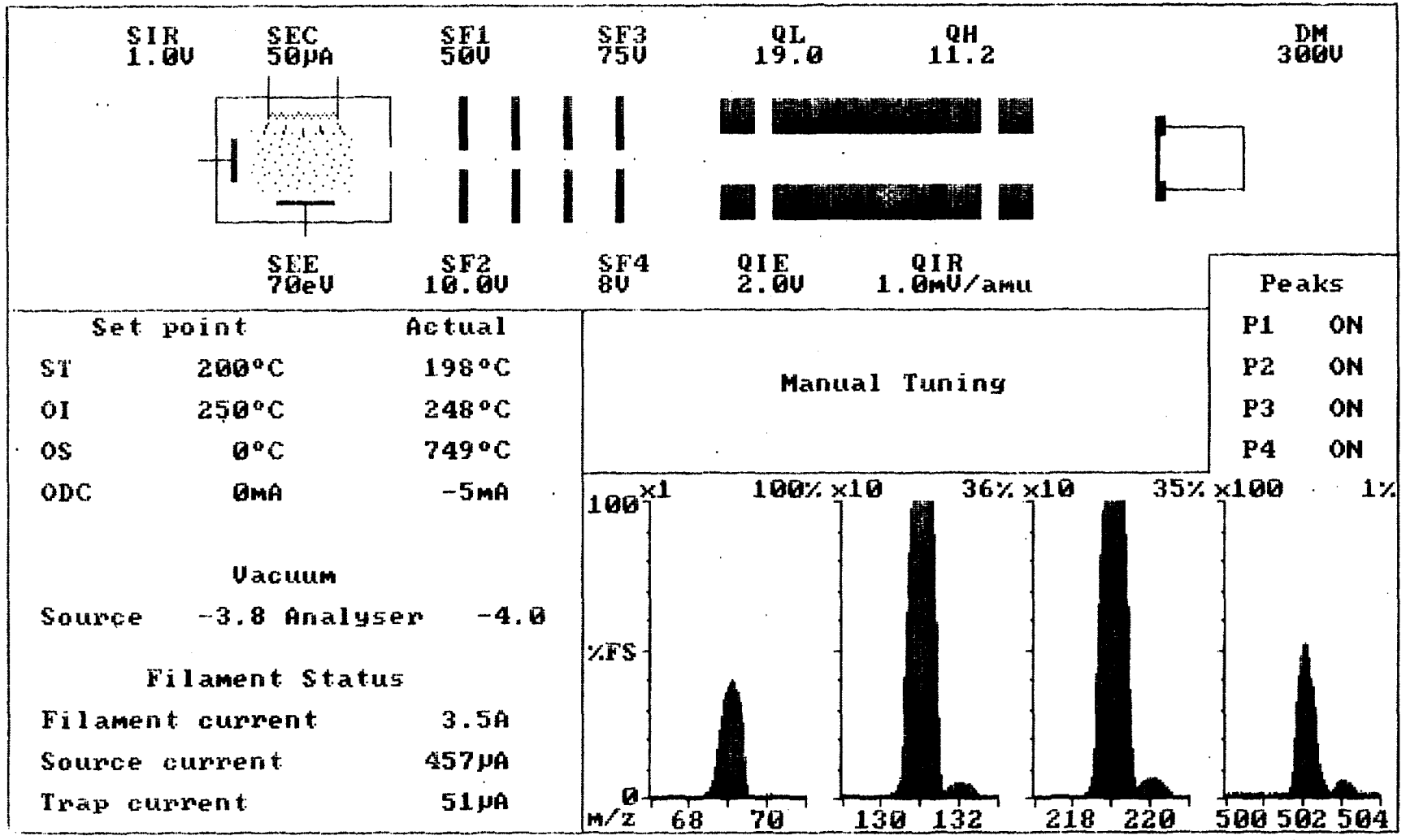
SD Sample Description
HEPTACOSA - dynamic cal using BNA scanning parameters expanded to mass 625

DU Duration (mins)	0.25	A1 Analog channel 1	OFF
UN User Name	G. Maisel	A2 Analog channel 2	OFF
IM Ionization Mode	EI+	A3 Analog channel 3	OFF
IN Instrument Name	VGTrio1A	A4 Analog channel 4	OFF
LN Laboratory Name	TCT St Paul		

Scanning Control Parameters

	Start mass	End mass	Scan time	Interscan time
SE SEgment	35	625	0.63	0.10

Xit Hcpy ? Operate: ON TUNE EDITOR Ref gas: ON Ion mode: EI+



twin city testing corporation

EXTRACTABLES INSTRUMENT RUN LOG

Date 06/13/94 Analyst Signature Gmaisel

Channel/Inst. No(s). VG TRIOLA Column(s) #79DB5-625 Calibration File No(s). 4160P (ICAL)

Document maintenance on lines below: New septum, rinsed liner, swabbed seal, clipped front end of column (head psi ~ 10)

Pos. No.	Data File No.	Sample No.	Client/Job No.	Injection Vol. µl	Dilution	Remarks
1	4164P01	DFTPP	496-51-1(v3)	2		DM = 300, 50µA
lower multiplier to DM = 280						
2	4164P02	DFTPP	496-51-1(v5)	2		DM = 280, 50µA
3	4164P03	SSTD050	496-61-2(v1)	2		
1	4164P04	~~9817DL~~ 9817DL WATER	GMM 06/13/94 (EE)	2	4	
2	4164P05	BLANK SOIL	06/10/94	2		
3	4164P06	R5150DL	5037.	2	5	
1	4164P07	R5154DL	5037.	2	4	
2	4164P08	R5152RI	5037.	2		last 2 IS failed low
3	4164P09	vial labelled 25160RI		2		last 2 IS failed low
4	4164P10	vial labelled 25160MSD RI		2		last 2 IS failed low
5	4164P11	R5161RI	5039.	2		last 2 IS failed low
6	4164P12	R5162RI	5039.	2		last 2 IS failed low

GMM 06/14/94

C-262 (7/93) (EE) entry error

Lnm
06/14/94

QUAN DB : 4164P12 LAB-BASE QUAN 06/14/94 11:39

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	10.29	1.00	759	0	97	99	716376	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	7.24	0.70	454	2	90	94	143164	bv	112	2-Fluorophenol	6.4	S
3	9.52	0.93	682	0	96	98	345613	bv	99	Phenol-d5	11.1	S
4	3.46	0.34	0	0	0	0	0		42	N-Nitrosodimethylamine	0.0	NR
5	9.55	0.93	0	0	0	0	0		94	Phenol	0.0	MC
6	9.52	0.93	0	0	0	0	0		93	Aniline	0.0	NR
7	9.73	0.95	0	0	0	0	0		93	bis(2-Chloroethyl)Ethe	0.0	
8	9.78	0.95	0	0	0	0	0		128	2-Chlorophenol	0.0	M
9	10.14	0.99	0	0	0	0	0		146	1,3-Dichlorobenzene	0.0	
10	10.33	1.00	0	0	0	0	0		146	1,4-Dichlorobenzene	0.0	MC
11	10.68	1.04	0	0	0	0	0		108	Benzyl alcohol	0.0	NR
12	10.68	1.04	0	0	0	0	0		146	1,2-Dichlorobenzene	0.0	
13	10.98	1.07	0	0	0	0	0		108	2-Methyphenol	0.0	
14	11.02	1.07	0	0	0	0	0		45	2,2'-oxybis(1-Chloropr	0.0	
15	11.36	1.10	0	0	0	0	0		108	4-Methylphenol	0.0	
16	11.34	1.10	0	0	0	0	0		70	N-Nitroso-Di-n-Propyla	0.0	MS
17	11.49	1.12	0	0	0	0	0		117	Hexachloroethane	0.0	
18	9.75	0.95	705	0	94	96	238612	bv	132	2-Chlorophenol-d4	9.2	S
19	10.64	1.03	794	0	92	95	128827	vv	152	1,2-Dichlorobenzene-d4	7.6	S
20	13.40	1.00	1070	-1	93	98	2790966	M	136	Naphthalene-d8	40.0	I
21	11.65	0.87	895	1	89	98	227774	M	82	Nitrobenzene-d5	8.1	S
22	11.69	0.87	0	0	0	0	0		77	Nitrobenzene	0.0	
23	12.31	0.92	0	0	0	0	0		82	Isophorone	0.0	
24	12.48	0.93	0	0	0	0	0		139	2-Nitrophenol	0.0	
25	12.66	0.94	0	0	0	0	0		107	2,4-Dimethylphenol	0.0	CC
26	12.90	0.96	0	0	0	0	0		93	bis(2-Chloroethoxy)Met	0.0	
27	13.05	0.97	0	0	0	0	0		105	Benzoic acid	0.0	NR
28	13.09	0.98	0	0	0	0	0		162	2,4-Dichlorophenol	0.0	CC
29	13.28	0.99	0	0	0	0	0		180	1,2,4-Trichlorobenzene	0.0	M
30	13.46	1.00	0	0	0	0	0		128	Naphthalene	0.0	
31	13.64	1.02	0	0	0	0	0		127	4-Chloroaniline	0.0	
32	13.80	1.03	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
33	14.92	1.11	0	0	0	0	0		107	4-Chloro-3-Methylpheno	0.0	MC
34	15.22	1.14	0	0	0	0	0		142	2-Methylnaphthalene	0.0	
35	17.86	1.00	1516	0	97	98	1447803	bv	164	Acenaphthene-d10	40.0	I
36	16.19	0.91	1349	0	94	99	457175	bv	172	2-Fluorobiphenyl	10.3	S
37	19.89	1.11	1719	1	74	77	22816	M	330	2,4,6-Tribromophenol	3.2	S
38	15.62	0.87	0	0	0	0	0		237	Hexachlorocyclopentadi	0.0	SP
39	15.96	0.89	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
40	16.05	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
41	16.45	0.92	0	0	0	0	0		162	2-Chloronaphthalene	0.0	
42	16.75	0.94	0	0	0	0	0		65	2-Nitroaniline	0.0	
43	17.27	0.97	0	0	0	0	0		163	Dimethylphthalate	0.0	
44	17.49	0.98	0	0	0	0	0		152	Acenaphthylene	0.0	
45	17.40	0.97	0	0	0	0	0		165	2,6-Dinitrotoluene	0.0	
46	17.81	1.00	0	0	0	0	0		138	3-Nitroaniline	0.0	
47	17.95	1.00	0	0	0	0	0		153	Acenapthene	0.0	MC
48	18.08	1.01	0	0	0	0	0		184	2,4-Dinitrophenol	0.0	SP
49	18.30	1.02	0	0	0	0	0		109	4-Nitrophenol	0.0	MS
50	18.40	1.03	0	0	0	0	0		168	Dibenzofuran	0.0	

JPB 6/14/94

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
51	18.42	1.03	0	0	0	0	0		165	2,4-Dinitrotoluene	0.0	M
52	19.09	1.07	0	0	0	0	0		149	Diethylphthalate	0.0	
53	19.31	1.08	0	0	0	0	0		204	4-Chlorophenyl-phenyle	0.0	
54	19.27	1.08	0	0	0	0	0		166	Fluorene	0.0	
55	19.36	1.08	0	0	0	0	0		138	4-Nitroaniline	0.0	
56	21.67	1.00	1897	1	93	97	2143648	M	188	Phenanthrene-d10	40.0	I
57	19.45	0.90	0	0	0	0	0		198	4,6-Dinitro-2-Methylph	0.0	
58	19.62	0.91	0	0	0	0	0		169	N-Nitrosodiphenylamine	0.0	CC
59	19.72	0.91	0	0	0	0	0		77	1,2-Diphenylhydrazine	0.0	NR
60	20.56	0.95	0	0	0	0	0		248	4-Bromophenyl-phenylet	0.0	
61	20.67	0.95	0	0	0	0	0		284	Hexachlorobenzene	0.0	
62	21.19	0.98	0	0	0	0	0		266	Pentachlorophenol	0.0	MC
63	21.73	1.00	0	0	0	0	0		178	Phenanthrene	0.0	
64	21.86	1.01	0	0	0	0	0		178	Anthracene	0.0	
65	22.30	1.03	0	0	0	0	0		167	Carbazole	0.0	
66	23.29	1.07	0	0	0	0	0		149	Di-n-Butylphthalate	0.0	
67	24.78	1.14	0	0	0	0	0		202	Fluoranthene	0.0	CC
68	28.56	1.00	2586	6	37	93	539392	M	240	Chrysene-d12	40.0	I
69	25.85	0.91	2315	-3	29	74	246128	bb	244	Terphenyl-d14	15.8	S
70	25.18	0.88	0	0	0	0	0		184	Benzidine	0.0	NR
71	25.36	0.89	0	0	0	0	0		202	Pyrene	0.0	M
72	27.14	0.95	0	0	0	0	0		149	Butylbenzylphthalate	0.0	
73	28.55	1.00	2585	5	22	76	139104	bb	252	3,3'-Dichlorobenzidine	~~39.7~~ 4.2m	
74	28.47	1.00	0	0	0	0	0		228	Benzo(a)anthracene	0.0	
75	28.56	1.00	0	0	0	0	0		228	Chrysene	0.0	
76	28.66	1.00	0	0	0	0	0		149	bis(2-ethylhexyl)phtha	0.0	
77	32.06	1.00	2936	3	52	90	389613	M	264	Perylene-d12	40.0	I
78	30.27	0.94	0	0	0	0	0		149	Di-n-Octylphthalate	0.0	CC
79	31.13	0.97	2843	0	10	62	211957	bv	252	Benzo(b)fluoranthene	~~12.8~~ 4.2m	
80	31.17	0.97	0	0	0	0	0		252	Benzo(k)fluoranthene	0.0	
81	31.89	0.99	0	0	0	0	0		252	Benzo(a)pyrene	0.0	CC
82	35.35	1.10	0	0	0	0	0		276	Indeno(1,2,3-cd)pyrene	0.0	
83	35.44	1.11	0	0	0	0	0		278	Dibenz(a,h)anthracene	0.0	
84	36.36	1.13	0	0	0	0	0		276	Benzo(g,h,i)perylene	0.0	
85	3.49	0.34	0	0	0	0	0		79	Pyridine	0.0	
86	13.65	1.02	0	0	0	0	0		162	2,6-Dichlorophenol	0.0	
87	18.73	1.05	0	0	0	0	0		232	2,3,4,6-Tetrachlorophe	0.0	

4164P12

Datafile : 4164P12

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	394934	716376	1579736
Naphthalene-d8	1624308	2790966	6497232
Acenaphthene-d10	968074	1447803	3872296
Phenanthrene-d10	1630933	2143649	6523732
Chrysene-d12	953605	539392	3814418****
Perylene-d12	604504	389613	2418016****

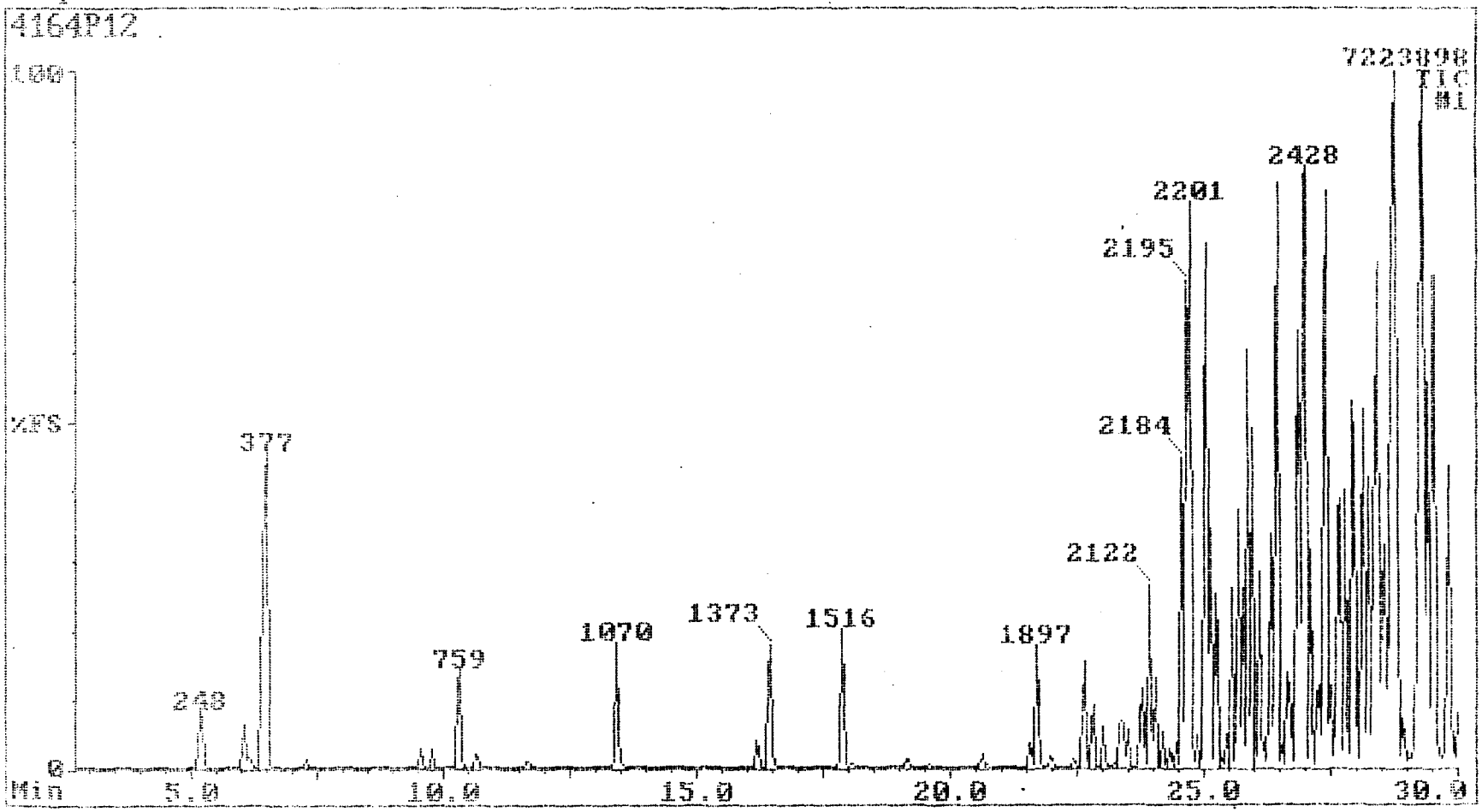
Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	10.29	10.29
Naphthalene-d8	13.41	13.40
Acenaphthene-d10	17.86	17.86
Phenanthrene-d10	21.66	21.67
Chrysene-d12	28.50	28.56
Perylene-d12	32.03	32.06

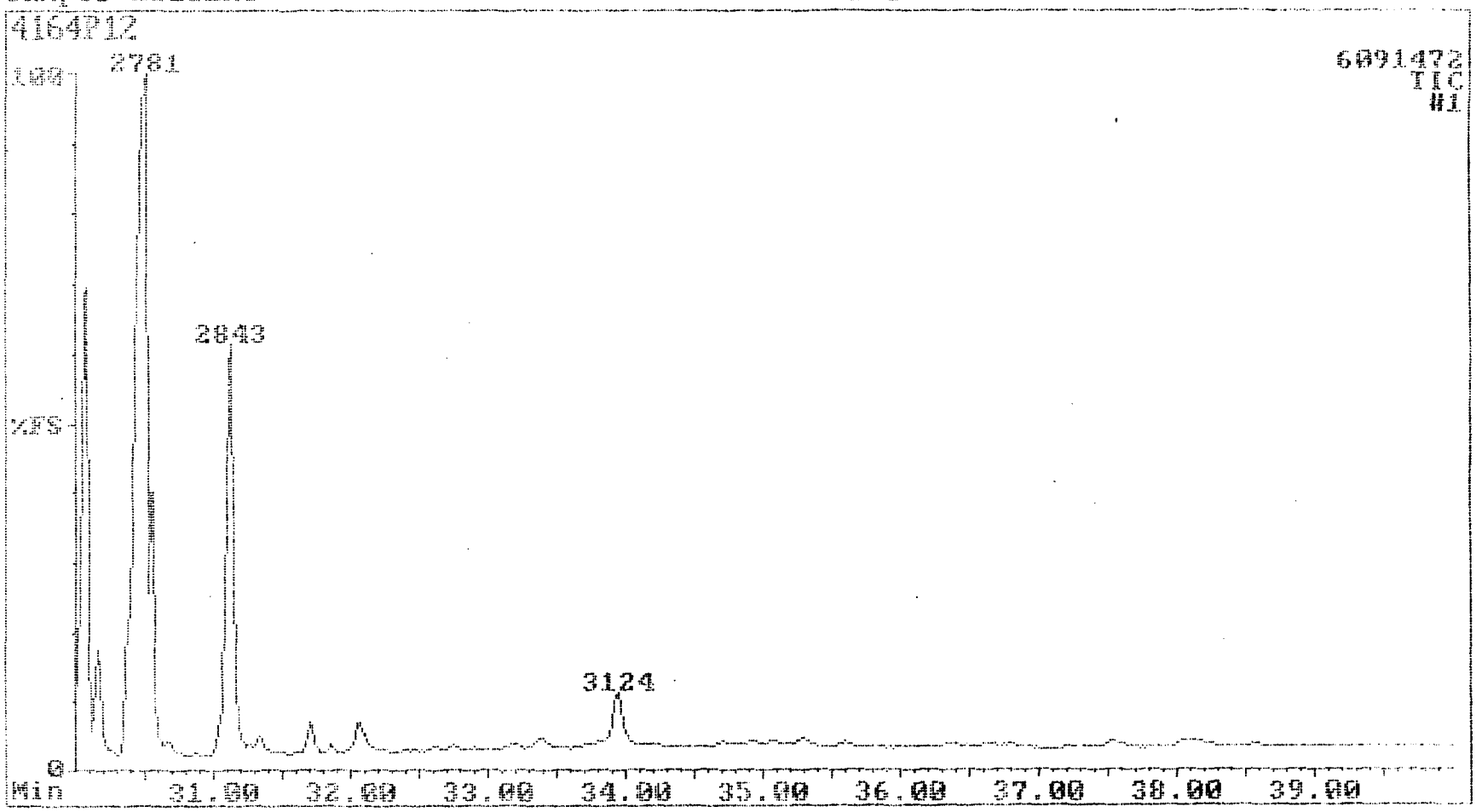
Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
		x10				
2-Fluorophenol	6	4.3	(25-121)	(21-110)	bv	143164
Phenol-d5	11	7.4	(24-113)	(10-110)	bv	345613
2-Chlorophenol-d4	9	6.1	(20-130)	(33-110)	bv	238612
1,2-Dichlorobenzene-d4	8	7.6	(20-130)	(16-110)	vv	128827
Nitrobenzene-d5	8	8.1	(23-120)	(35-114)		227774
2-Fluorobiphenyl	10	10.3	(30-115)	(43-116)	bv	457175
2,4,6-Tribromophenol	3	2.2	(19-122)	(10-123)		22816
Terphenyl-d14	16	15.3	(18-137)	(33-141)	bb	246128

4164P12 06/13/94 21:12 VGTRI01A GNM
Sample:25162RI ECOL HPN:5039

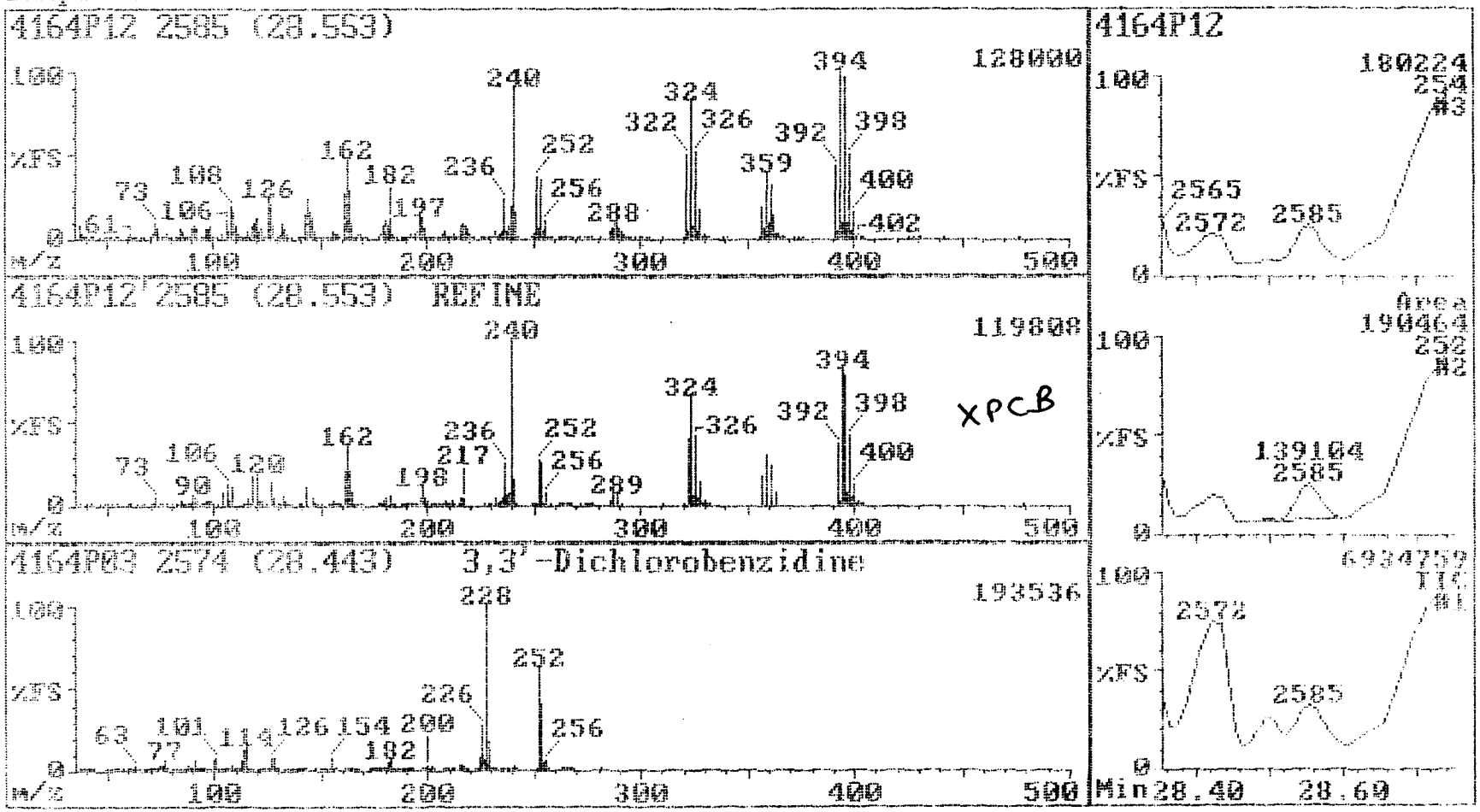


4164P12 06/13/94 21:12 VGTRI01A GMM
Sample:25162RI ECOL HPM:5039



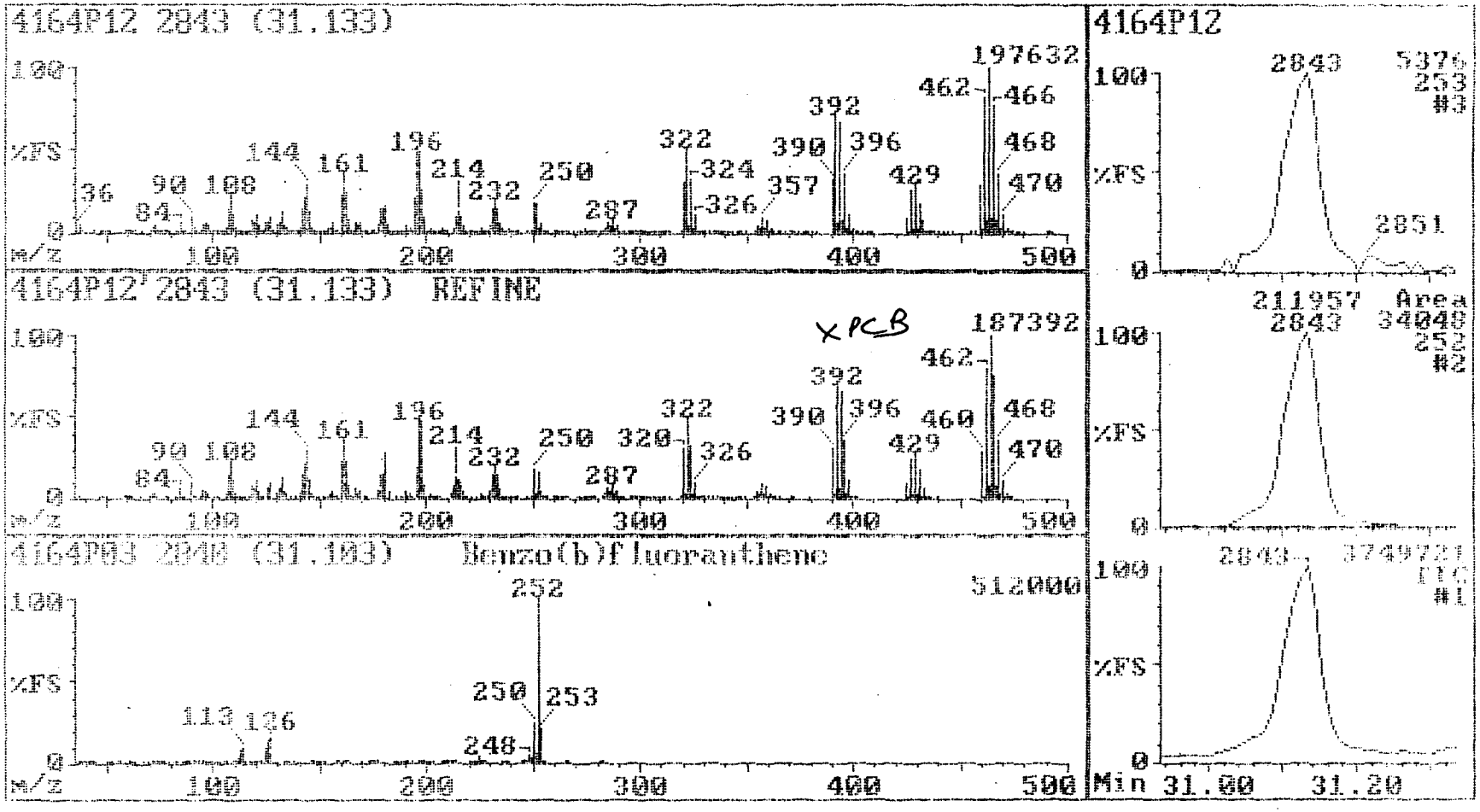
4164P12 06/13/94 21:12 VGTRIO1A GNM

Sample:25162RI ECOL HPN:5039



4164P12 06/13/94 21:12 VGTR101A GNM

Sample:25162RI ECOL HPN:5039



✓ gnm 06/14/94

Interim Report LAB-BASE FIND 06/14/94 08:33

Raw Datafile : 4164P12 Quan DB : 4164P12
Find DB : SV8270 Scan DB : 4164P12

No.	Spectrum MAT	Scan FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	97	99	0	716376	bv	759	759	152	1,4-Dichlorobenzene-d4
2	100	90	94	2	143164	bv	454	452	112	2-Fluorophenol
3	100	96	98	0	345613	bv	682	682	99	Phenol-d5
4	*** No Trace Found ***					*		76	42	N-Nitrosodimethylamine
5	*** No Trace Found ***							685	94	Phenol
6	*** No Trace Found ***							682	93	Aniline
7	*** No Trace Found ***							703	93	bis(2-Chloroethyl)Ether
8	*** No Trace Found ***							708	128	2-Chlorophenol
9	*** No Trace Found ***							744	146	1,3-Dichlorobenzene
10	*** No Trace Found ***							763	146	1,4-Dichlorobenzene
11	*** No Trace Found ***							798	108	Benzyl alcohol
12	*** No Trace Found ***							798	146	1,2-Dichlorobenzene
13	*** No Trace Found ***							828	108	2-Methyphenol
14	*** No Trace Found ***							832	45	2,2'-oxybis(1-Chloropropan
15	*** No Trace Found ***							866	108	4-Methylphenol
16	*** No Trace Found ***							864	70	N-Nitroso-Di-n-Propylamine
17	*** No Trace Found ***							879	117	Hexachloroethane
18	100	94	96	0	238612	bv	705	705	132	2-Chlorophenol-d4
19	100	92	95	0	128827	vv	794	794	152	1,2-Dichlorobenzene-d4
20	100	93	98	-1	2728564	b?	1070	1071	136	Naphthalene-d8
21	100	89	98	1	210486	bv	895	894	82	Nitrobenzene-d5
22	*** No Trace Found ***					*		898	77	Nitrobenzene
23	*** No Trace Found ***							960	82	Isophorone
24	*** No Trace Found ***							977	139	2-Nitrophenol
25	*** No Trace Found ***							995	107	2,4-Dimethylphenol
26	*** No Trace Found ***							1019	93	bis(2-Chloroethoxy)Methane
27	*** No Trace Found ***							1034	105	Benzoic acid
28	*** No Trace Found ***							1038	162	2,4-Dichlorophenol
29	*** No Trace Found ***							1057	180	1,2,4-Trichlorobenzene
30	*** No Trace Found ***							1075	128	Naphthalene
31	*** No Trace Found ***							1093	127	4-Chloroaniline
32	*** No Trace Found ***							1109	225	Hexachlorobutadiene
33	*** No Trace Found ***							1221	107	4-Chloro-3-Methylphenol
34	*** No Trace Found ***							1251	142	2-Methylnaphthalene
35	100	97	98	0	1447803	bv	1516	1516	164	Acenaphthene-d10
36	100	94	99	2	457175	bv	1349	1349	172	2-Fluorobiphenyl
37	89	74	77	1	22540	bv	1719	1718	330	2,4,6-Tribromophenol
38	*** No Trace Found ***							1292	237	Hexachlorocyclopentadiene
39	*** No Trace Found ***							1326	196	2,4,6-Trichlorophenol
40	*** No Trace Found ***							1335	196	2,4,5-Trichlorophenol
41	*** No Trace Found ***							1375	162	2-Chloronaphthalene
42	*** No Trace Found ***							1405	65	2-Nitroaniline
43	*** No Trace Found ***							1457	163	Dimethylphthalate
44	*** No Trace Found ***							1479	152	Acenaphthylene
45	*** No Trace Found ***							1470	165	2,6-Dinitrotoluene
46	*** No Trace Found ***							1511	138	3-Nitroaniline
47	*** No Trace Found ***							1525	153	Acenapthene
48	*** No Trace Found ***							1538	184	2,4-Dinitrophenol
49	*** No Trace Found ***							1560	109	4-Nitrophenol
50	*** No Trace Found ***							1570	168	Dibenzofuran
51	*** No Trace Found ***							1572	165	2,4-Dinitrotoluene

53	*** No Trace Found ***								1641	204	4-Bromophenyl-phenylether
54	*** No Trace Found ***								1657	166	Fluorene
55	*** No Trace Found ***								1666	138	4-Nitroaniline
56	100	93	97	1	2258856	b?	1897		1896	188	Phenanthrene-d10
57	*** No Trace Found ***							*	1676	198	4,6-Dinitro-2-Methylphenol
58	*** No Trace Found ***								1693	169	N-Nitrosodiphenylamine
59	*** No Trace Found ***								1703	77	1,2-Diphenylhydrazine
60	*** No Trace Found ***								1797	248	4-Bromophenyl-phenylether
61	*** No Trace Found ***								1798	284	Hexachlorobenzene
62	*** No Trace Found ***								1850	266	Pentachlorophenol
63	*** No Trace Found ***								1904	178	Phenanthrene
64	*** No Trace Found ***								1917	178	Anthracene
65	*** No Trace Found ***								1961	167	Carbazole
66	*** No Trace Found ***								2060	149	Di-n-Butylphthalate
67	*** No Trace Found ***								2209	202	Fluoranthene
68	56	37	93	6	581040	bb	2586		2580	240	Chrysene-d12
69	51	29	74	-3	246128	bb	2315		2318	244	Terphenyl-d14
70	*** No Trace Found ***								2253	184	Benzidine
71	*** No Trace Found ***								2271	202	Pyrene
72	*** No Trace Found ***								2450	149	Butylbenzylphthalate
73	45	22	76	5	139104	bb	2585		2560	252	3,3'-Dichlorobenzidine
74	*** No Trace Found ***								2583	228	Benzo(a)anthracene
75	*** No Trace Found ***								2592	228	Chrysene
76	*** No Trace Found ***								2602	149	bis(2-ethylhexyl)phthalate
77	75	52	90	3	373682	bv	2936		2933	264	Perylene-d12
78	*** No Trace Found ***								2760	149	Di-n-Octylphthalate
79	45	10	62	0	211957	bv	2843		2843	252	Benzo(b)fluoranthene
80	*** No Trace Found ***								2850	252	Benzo(k)fluoranthene
81	*** No Trace Found ***								2922	252	Benzo(a)pyrene
82	*** No Trace Found ***								3268	276	Indeno(1,2,3-cd)pyrene
83	*** No Trace Found ***								3277	278	Dibenz(a,h)anthracene
84	*** No Trace Found ***								3369	276	Benzo(g,h,i)perylene
85	*** No Trace Found ***								79	79	Pyridine
86	*** No Trace Found ***								1094	162	2,6-Dichlorophenol
87	*** No Trace Found ***								1603	232	2,3,4,6-Tetrachlorophenol

4164P12

Hm
06/14/94

QUAN DB : 4164P11 LAB-BASE QUAN 06/14/94 10:21

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	10.28	1.00	758	-1	97	99	682364	b?	152	1,4-Dichlorobenzene-d4	40.0	I
2	7.23	0.70	453	2	95	97	200592	b?	112	2-Fluorophenol	9.4	S
3	9.52	0.93	682	1	96	98	310647	bv	99	Phenol-d5	10.5	S
4	3.46	0.34	0	0	0	0	0		42	N-Nitrosodimethylamine	0.0	NR
5	9.55	0.93	0	0	0	0	0		94	Phenol	0.0	MC
6	9.52	0.93	0	0	0	0	0		93	Aniline	0.0	NR
7	9.73	0.95	0	0	0	0	0		93	bis(2-Chloroethyl)Ethe	0.0	
8	9.78	0.95	0	0	0	0	0		128	2-Chlorophenol	0.0	M
9	10.14	0.99	0	0	0	0	0		146	1,3-Dichlorobenzene	0.0	
10	10.33	1.00	0	0	0	0	0		146	1,4-Dichlorobenzene	0.0	MC
11	10.68	1.04	0	0	0	0	0		108	Benzyl alcohol	0.0	NR
12	10.68	1.04	0	0	0	0	0		146	1,2-Dichlorobenzene	0.0	
13	10.98	1.07	0	0	0	0	0		108	2-Methyphenol	0.0	
14	11.02	1.07	0	0	0	0	0		45	2,2'-oxybis(1-Chloropr	0.0	
15	11.36	1.11	0	0	0	0	0		108	4-Methylphenol	0.0	
16	11.34	1.10	0	0	0	0	0		70	N-Nitroso-Di-n-Propyla	0.0	MS
17	11.49	1.12	0	0	0	0	0		117	Hexachloroethane	0.0	
18	9.75	0.95	705	1	94	96	257468	bv	132	2-Chlorophenol-d4	10.4	S
19	10.64	1.03	794	1	92	94	111196	bv	152	1,2-Dichlorobenzene-d4	6.9	S
20	13.40	1.00	1070	-1	94	98	2618672	b?	136	Naphthalene-d8	40.0	I
21	11.65	0.87	895	1	87	96	212779	M	82	Nitrobenzene-d5	8.0	S
22	11.69	0.87	0	0	0	0	0		77	Nitrobenzene	0.0	
23	12.31	0.92	0	0	0	0	0		82	Isophorone	0.0	
24	12.48	0.93	0	0	0	0	0		139	2-Nitrophenol	0.0	
25	12.66	0.94	0	0	0	0	0		107	2,4-Dimethylphenol	0.0	CC
26	12.90	0.96	0	0	0	0	0		93	bis(2-Chloroethoxy)Met	0.0	
27	13.05	0.97	0	0	0	0	0		105	Benzoic acid	0.0	NR
28	13.09	0.98	0	0	0	0	0		162	2,4-Dichlorophenol	0.0	CC
29	13.28	0.99	0	0	0	0	0		180	1,2,4-Trichlorobenzene	0.0	M
30	13.46	1.00	0	0	0	0	0		128	Naphthalene	0.0	
31	13.64	1.02	0	0	0	0	0		127	4-Chloroaniline	0.0	
32	13.80	1.03	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
33	14.92	1.11	0	0	0	0	0		107	4-Chloro-3-Methylpheno	0.0	MC
34	15.22	1.14	0	0	0	0	0		142	2-Methylnaphthalene	0.0	
35	17.86	1.00	1516	0	97	98	1317297	b?	164	Acenaphthene-d10	40.0	I
36	16.18	0.91	1348	-1	94	99	414021	b?	172	2-Fluorobiphenyl	10.3	S
37	19.88	1.11	1718	0	91	96	76412	bv	330	2,4,6-Tribromophenol	11.9	S
38	15.62	0.87	0	0	0	0	0		237	Hexachlorocyclopentadi	0.0	SP
39	15.96	0.89	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
40	16.05	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
41	16.45	0.92	0	0	0	0	0		162	2-Chloronaphthalene	0.0	
42	16.75	0.94	0	0	0	0	0		65	2-Nitroaniline	0.0	
43	17.27	0.97	0	0	0	0	0		163	Dimethylphthalate	0.0	
44	17.49	0.98	0	0	0	0	0		152	Acenaphthylene	0.0	
45	17.40	0.97	0	0	0	0	0		165	2,6-Dinitrotoluene	0.0	
46	17.81	1.00	0	0	0	0	0		138	3-Nitroaniline	0.0	
47	17.95	1.00	0	0	0	0	0		153	Acenapthene	0.0	MC
48	18.08	1.01	0	0	0	0	0		184	2,4-Dinitrophenol	0.0	SP
49	18.30	1.02	0	0	0	0	0		109	4-Nitrophenol	0.0	MS
50	18.40	1.03	0	0	0	0	0		168	Dibenzofuran	0.0	

6/14/94

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
51	18.42	1.03	0	0	0	0	0		165	2,4-Dinitrotoluene	0.0	M
52	19.09	1.07	0	0	0	0	0		149	Diethylphthalate	0.0	
53	19.31	1.08	0	0	0	0	0		204	4-Chlorophenyl-phenyle	0.0	
54	19.27	1.08	0	0	0	0	0		166	Fluorene	0.0	
55	19.36	1.08	0	0	0	0	0		138	4-Nitroaniline	0.0	
56	21.66	1.00	1896	0	93	97	1935248	M	188	Phenanthrene-d10	40.0	I
57	19.45	0.90	0	0	0	0	0		198	4,6-Dinitro-2-Methylph	0.0	
58	19.62	0.91	0	0	0	0	0		169	N-Nitrosodiphenylamine	0.0	CC
59	19.72	0.91	0	0	0	0	0		77	1,2-Diphenylhydrazine	0.0	NR
60	20.56	0.95	0	0	0	0	0		248	4-Bromophenyl-phenylet	0.0	
61	20.67	0.95	0	0	0	0	0		284	Hexachlorobenzene	0.0	
62	21.19	0.98	0	0	0	0	0		266	Pentachlorophenol	0.0	MC
63	21.73	1.00	0	0	0	0	0		178	Phenanthrene	0.0	
64	21.86	1.01	0	0	0	0	0		178	Anthracene	0.0	
65	22.30	1.03	0	0	0	0	0		167	Carbazole	0.0	
66	23.29	1.08	0	0	0	0	0		149	Di-n-Butylphthalate	0.0	
67	24.78	1.14	0	0	0	0	0		202	Fluoranthene	0.0	CC
68	28.56	1.00	2586	6	34	92	447156	vb	240	Chrysene-d12	40.0	I
69	25.85	0.91	2315	-3	23	68	198636	bb	244	Terphenyl-d14	15.4	S
70	25.18	0.88	0	0	0	0	0		184	Benzidine	0.0	NR
71	25.36	0.89	0	0	0	0	0		202	Pyrene	0.0	M
72	27.14	0.95	0	0	0	0	0		149	Butylbenzylphthalate	0.0	
73	28.55	1.00	2585	5	22	75	149984	M	252	3,3'-Dichlorobenzidine	~~51.7~~ 4n m	
74	28.47	1.00	0	0	0	0	0		228	Benzo(a)anthracene	0.0	
75	28.56	1.00	0	0	0	0	0		228	Chrysene	0.0	
76	28.66	1.00	0	0	0	0	0		149	bis(2-ethylhexyl)phtha	0.0	
77	32.05	1.00	2935	2	52	93	336983	M	264	Perylene-d12	40.0	I
78	30.27	0.94	0	0	0	0	0		149	Di-n-Octylphthalate	0.0	CC
79	31.13	0.97	2843	1	10	62	217696	bv	252	Benzo(b)fluoranthene	~~15.2~~ 4n m	
80	31.13	0.97	2843	0	0	0	0		252	Benzo(k)fluoranthene	0.0	
81	31.89	1.00	0	0	0	0	0		252	Benzo(a)pyrene	0.0	CC
82	35.35	1.10	0	0	0	0	0		276	Indeno(1,2,3-cd)pyrene	0.0	
83	35.44	1.11	0	0	0	0	0		278	Dibenz(a,h)anthracene	0.0	
84	36.36	1.13	0	0	0	0	0		276	Benzo(g,h,i)perylene	0.0	
85	3.49	0.34	0	0	0	0	0		79	Pyridine	0.0	
86	13.65	1.02	0	0	0	0	0		162	2,6-Dichlorophenol	0.0	
87	18.73	1.05	0	0	0	0	0		232	2,3,4,6-Tetrachlorophe	0.0	

4164P11

twin city testing corporation

EXTRACTABLES INSTRUMENT RUN LOG

Date 06/12/94 Analyst Signature G Maisel

Channel/Inst. No(s). VGTR101A Column(s) #79 DB5-625 Calibration File No(s). 4160P (ICAL)

Document maintenance on lines below: Rinsed liner, swabbed seal, new septum, clipped front end of column. Bake out column @ 310°C for approx. 15 minutes

Pos. No.	Data File No.	Sample No.	Client/Job No.	Injection Vol. µl	Dilution	Remarks
–	4163P01	Heptacosa	– dynamic cal	–		DM = 300, 50 µA
1	4163P02	DFTPP	496-51-1(v5)	2		
2	4163P03	SSTD050	496-61-2(v1)	2		
1	4163P04	[redacted]	[redacted]	2		
2	4163P05	[redacted]	[redacted]	2		
3	4163P06	[redacted]	[redacted]	2		last 2 IS failed low
4	4163P07	[redacted]	[redacted]	2		last IS failed low
5	4163P08	[redacted]	[redacted]	2		last IS failed low
6	4163P09	[redacted]	[redacted]	2		last 2IS failed low
7	4163P10	[redacted]	[redacted]	2		appear mislabelled last 2IS failed low
8	4163P11	[redacted]	[redacted]	2		GNM 06/13/94 first 2IS failed high
9	4163P12	[redacted]	[redacted]	2		last 2IS failed low
10	4163P13	[redacted]	[redacted]	2		last 2IS failed low
11	4163P14	[redacted]	[redacted]	2		last 2IS failed low
12	4163P15	[redacted]	[redacted]	2		last 2IS failed low / needs 1:4 dilut

GNM 06/13/94

C-262 (7/93)

archived 06/14/94 GNM

Datafile : 41-4-11

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	394934	682364	1579736
Naphthalene-d8	1624308	2618672	6497232
Acenaphthene-d10	968074	1317297	3872296
Phenanthrene-d10	1630933	1935248	6523732
Chrysene-d12	953605	447156	3814418****
Perylene-d12	604504	336983	2418016****

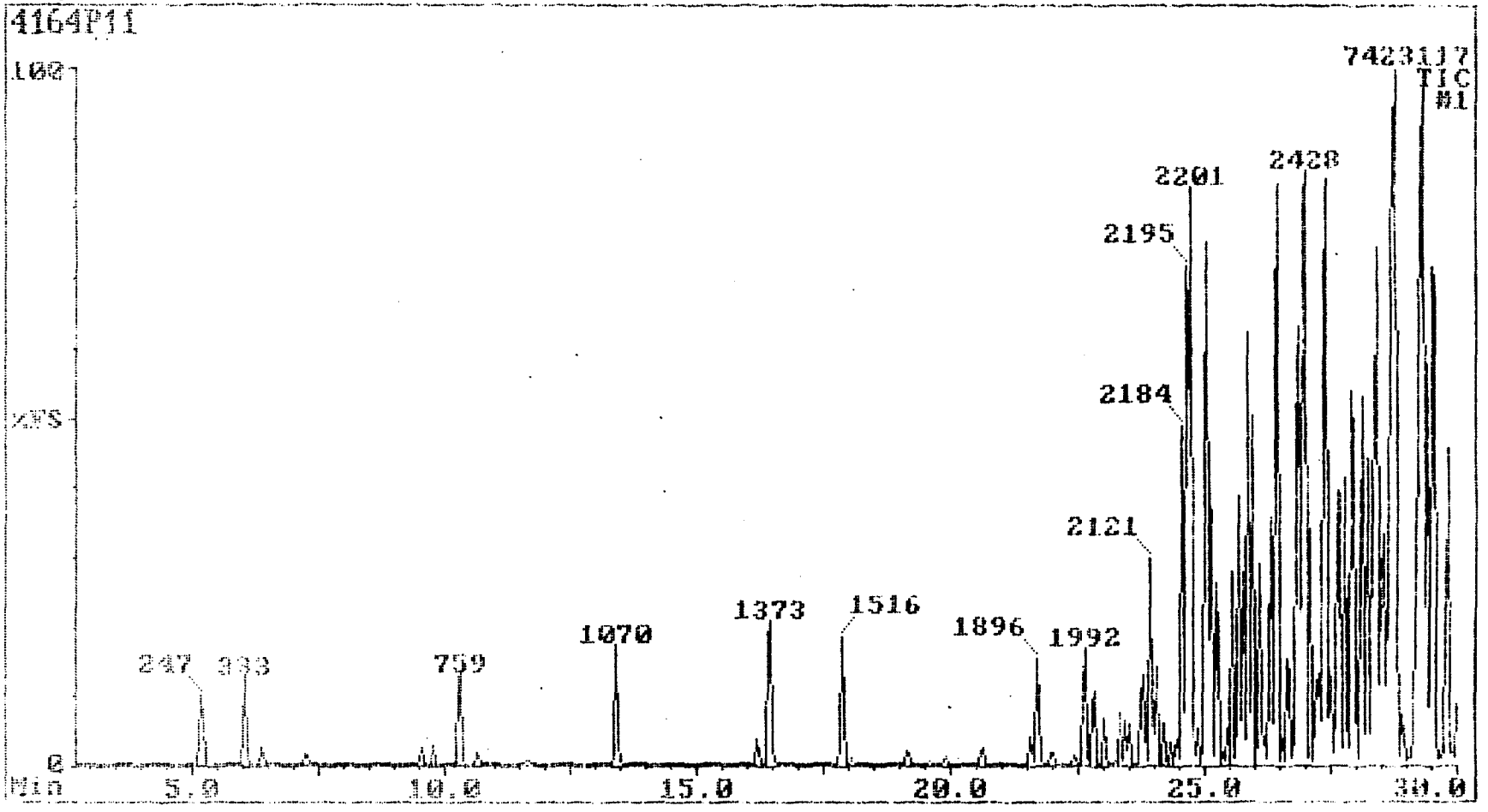
Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	10.29	10.28
Naphthalene-d8	13.41	13.40
Acenaphthene-d10	17.86	17.86
Phenanthrene-d10	21.66	21.66
Chrysene-d12	28.50	28.56
Perylene-d12	32.03	32.05

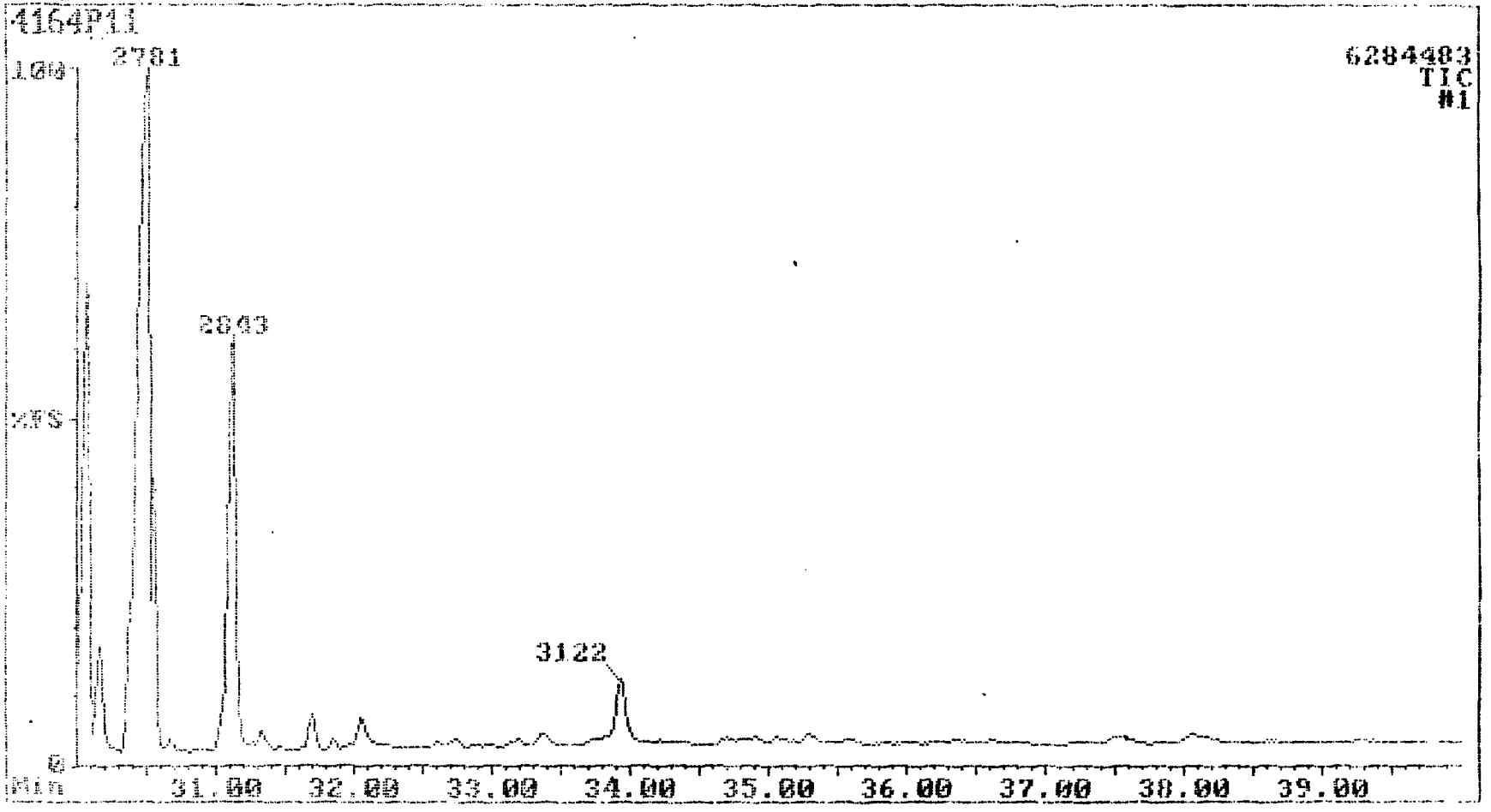
Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
		X10				
2-Fluorophenol	9	6.3	(25-121)	(21-110)	b?	200593
Phenol-d5	10	7.0	(24-113)	(10-110)	bv	310647
2-Chlorophenol-d4	10	7.0	(20-130)	(33-110)	bv	257468
1,2-Dichlorobenzene-d4	7	6.9	(20-130)	(16-110)	bv	111196
Nitrobenzene-d5	8	8.0	(23-120)	(35-114)		212779
2-Fluorobiphenyl	10	10.3	(30-115)	(43-116)	b?	414021
2,4,6-Tribromophenol	12	7.9	(19-122)	(10-123)	bv	76412
Terphenyl-d14	15	15.4	(18-137)	(33-141)	bb	198636

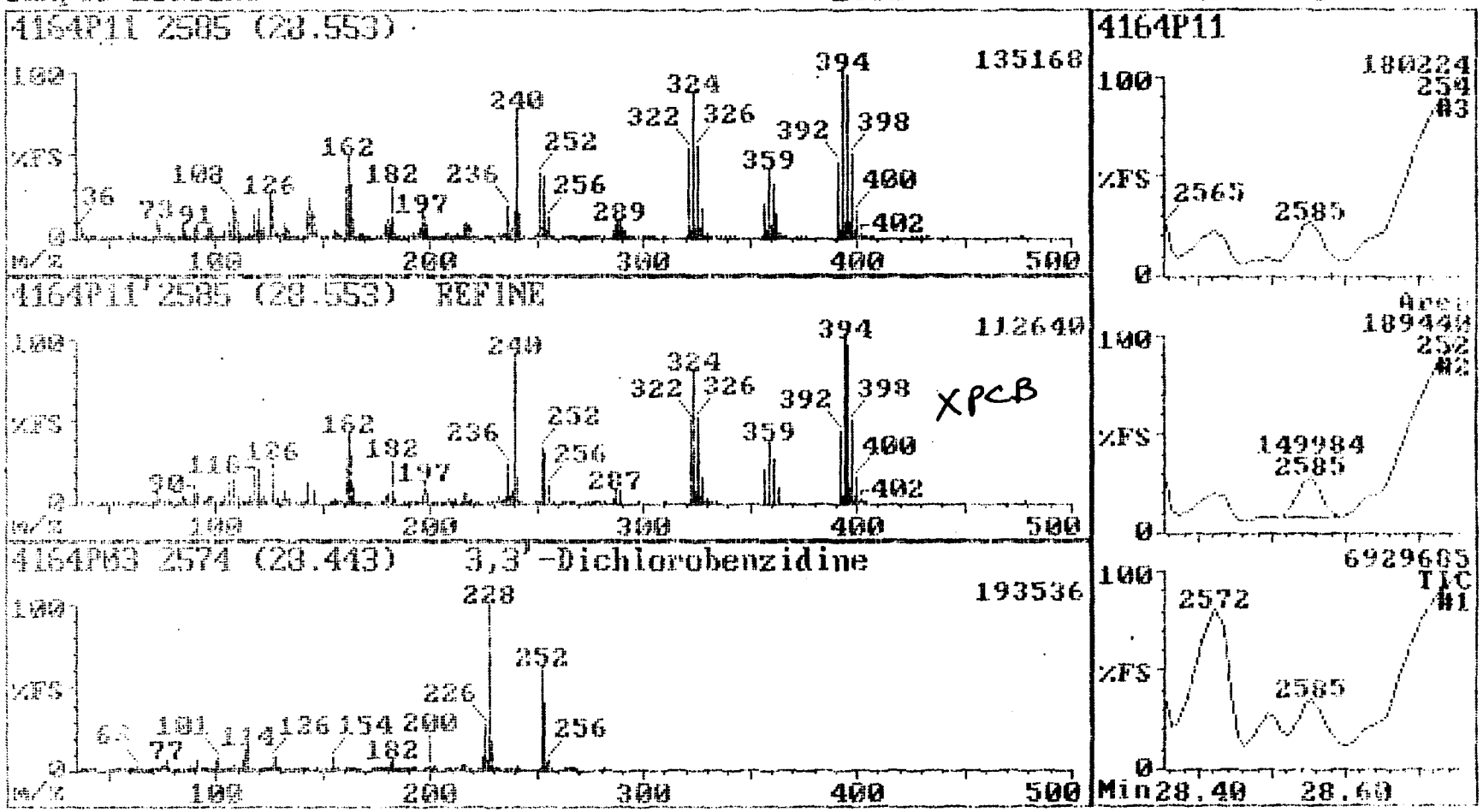
4164P11 06/13/94 20:23 VGTR101A GNM
Sample:25161R1 ECOL HPM:5039



4164P11 06/13/94 20:23 VGTRI01A GNM
Sample:25161RI ECOL HPN:5039

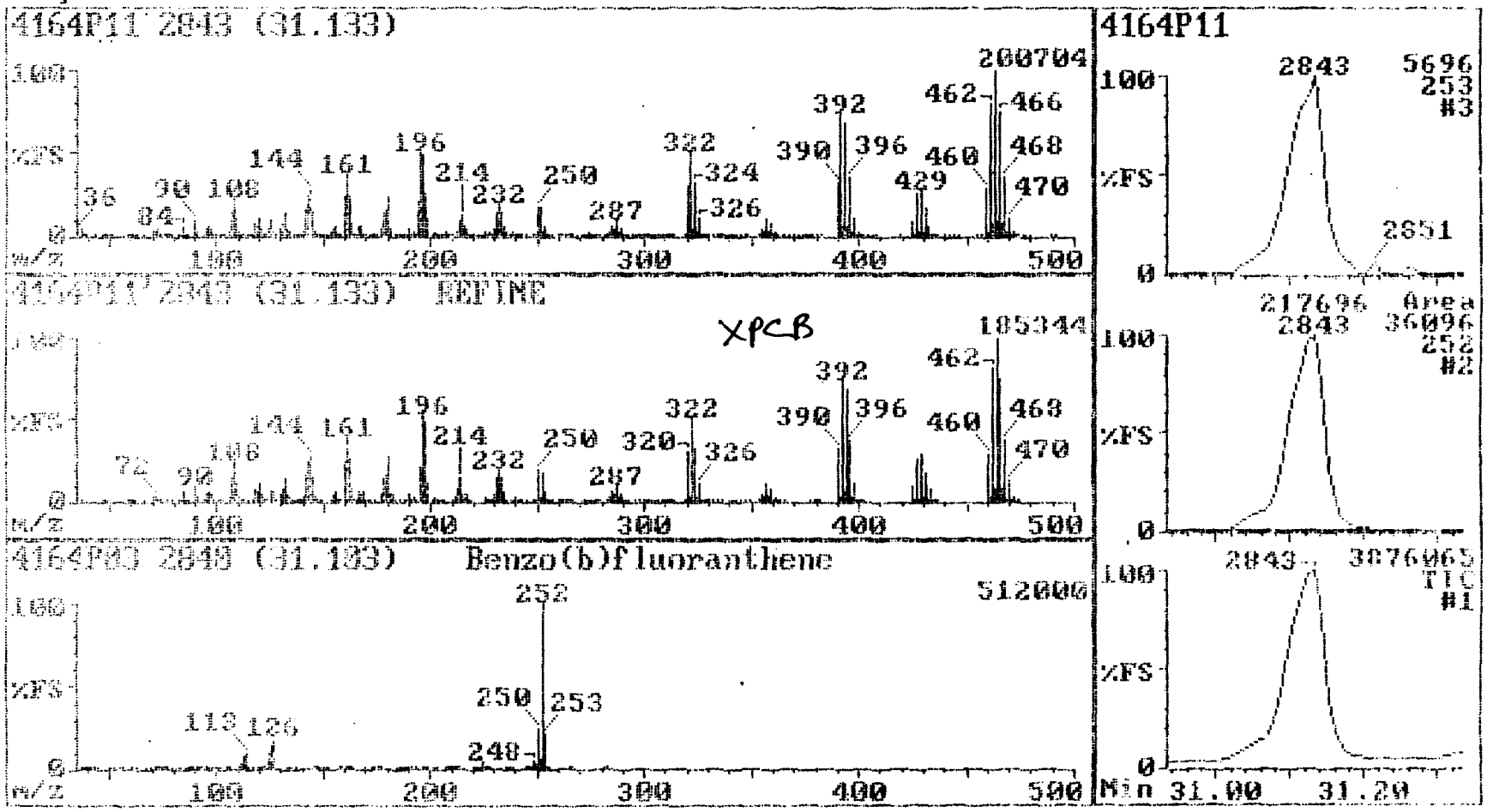


4164P11 06/13/94 20:23 VGTRI01A GNM
Sample:25161R1 ECOL HPN:5039



4164P11 06/13/94 20:23 VGTRI01A GNM

Sample:25161BI ECOL HPN:5039



✓ 06/14/94

Interim Report LAB-BASE FIND 06/14/94 08:32

Raw Datafile : 4164F11 Quan DB : 4164F11
Find DB : SV8270 Scan DB : 4164F11

No.	Spectrum MAT	Scan FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	97	99	-1	682364	b?	758	759	152	1,4-Dichlorobenzene-d4
2	100	95	97	2	200592	b?	453	451	112	2-Fluorophenol
3	100	96	98	1	310647	bv	682	681	99	Phenol-d5
4	*** No Trace Found ***					*		76	42	N-Nitrosodimethylamine
5	*** No Trace Found ***							684	94	Phenol
6	*** No Trace Found ***							681	93	Aniline
7	*** No Trace Found ***							702	93	bis(2-Chloroethyl)Ether
8	*** No Trace Found ***							707	128	2-Chlorophenol
9	*** No Trace Found ***							743	146	1,3-Dichlorobenzene
10	*** No Trace Found ***							762	146	1,4-Dichlorobenzene
11	*** No Trace Found ***							797	108	Benzyl alcohol
12	*** No Trace Found ***							797	146	1,2-Dichlorobenzene
13	*** No Trace Found ***							827	108	2-Methyphenol
14	*** No Trace Found ***							831	45	2,2'-oxybis(1-Chloropropan
15	*** No Trace Found ***							865	108	4-Methylphenol
16	*** No Trace Found ***							863	70	N-Nitroso-Di-n-Propylamine
17	*** No Trace Found ***							878	117	Hexachloroethane
18	100	94	96	1	257468	bv	705	704	132	2-Chlorophenol-d4
19	100	92	94	1	111196	bv	794	793	152	1,2-Dichlorobenzene-d4
20	100	94	98	-1	2618672	b?	1070	1071	136	Naphthalene-d8
21	100	87	96	1	185052	b?	895	894	82	Nitrobenzene-d5
22	*** No Trace Found ***							878	77	Nitrobenzene
23	*** No Trace Found ***							960	82	Isophorone
24	*** No Trace Found ***							977	139	2-Nitrophenol
25	*** No Trace Found ***							995	107	2,4-Dimethylphenol
26	*** No Trace Found ***							1019	93	bis(2-Chloroethoxy)Methane
27	*** No Trace Found ***							1034	105	Benzoic acid
28	*** No Trace Found ***							1038	162	2,4-Dichlorophenol
29	*** No Trace Found ***							1057	180	1,2,4-Trichlorobenzene
30	*** No Trace Found ***							1075	128	Naphthalene
31	*** No Trace Found ***							1093	127	4-Chloroaniline
32	*** No Trace Found ***							1109	225	Hexachlorobutadiene
33	*** No Trace Found ***							1221	107	4-Chloro-3-Methylphenol
34	*** No Trace Found ***							1251	142	2-Methylnaphthalene
35	100	97	98	0	1317297	b?	1516	1516	164	Acenaphthene-d10
36	100	94	99	-1	414021	b?	1348	1349	172	2-Fluorobiphenyl
37	100	91	96	0	76412	bv	1718	1718	330	2,4,6-Tribromophenol
38	*** No Trace Found ***					*		1292	237	Hexachlorocyclopentadiene
39	*** No Trace Found ***							1326	196	2,4,6-Trichlorophenol
40	*** No Trace Found ***							1335	196	2,4,5-Trichlorophenol
41	*** No Trace Found ***							1375	162	2-Chloronaphthalene
42	*** No Trace Found ***							1405	65	2-Nitroaniline
43	*** No Trace Found ***							1457	163	Dimethylphthalate
44	*** No Trace Found ***							1479	152	Acenaphthylene
45	*** No Trace Found ***							1470	165	2,6-Dinitrotoluene
46	*** No Trace Found ***							1511	138	3-Nitroaniline
47	*** No Trace Found ***							1525	153	Acenapthene
48	*** No Trace Found ***							1538	184	2,4-Dinitrophenol
49	*** No Trace Found ***							1560	109	4-Nitrophenol
50	*** No Trace Found ***							1570	168	Dibenzofuran
51	*** No Trace Found ***							1572	165	2,4-Dinitrotoluene

[illegible]	*** No Trace Found ***							[illegible]	[illegible]	[illegible]
54	*** No Trace Found ***							1657	166	Fluorene
55	*** No Trace Found ***							1666	138	4-Nitroaniline
56	100	93	97	0	2047252	bv	1896	1896	188	Phenanthrene-d10
57	*** No Trace Found ***						*	1675	198	4,6-Dinitro-2-Methylphenol
58	*** No Trace Found ***							1692	169	N-Nitrosodiphenylamine
59	*** No Trace Found ***							1702	77	1,2-Diphenylhydrazine
60	*** No Trace Found ***							1786	248	4-Bromophenyl-phenylether
61	*** No Trace Found ***							1797	284	Hexachlorobenzene
62	*** No Trace Found ***							1849	266	Pentachlorophenol
63	*** No Trace Found ***							1903	178	Phenanthrene
64	*** No Trace Found ***							1916	178	Anthracene
65	*** No Trace Found ***							1960	167	Carbazole
66	*** No Trace Found ***							2059	149	Di-n-Butylphthalate
67	*** No Trace Found ***							2208	202	Fluoranthene
68	54	34	92	6	447156	vb	2586	2580	240	Chrysene-d12
69	45	23	68	-3	198636	bb	2315	2318	244	Terphenyl-d14
70	*** No Trace Found ***							2253	184	Benzidine
71	*** No Trace Found ***							2271	202	Pyrene
72	*** No Trace Found ***							2450	149	Butylbenzylphthalate
73	45	22	75	5	160544	bb	2585	2580	252	3,3'-Dichlorobenzidine
74	*** No Trace Found ***							2583	228	Benzo(a)anthracene
75	*** No Trace Found ***							2592	228	Chrysene
76	*** No Trace Found ***							2602	149	bis(2-ethylhexyl)phthalate
77	81	52	93	2	325509	bv	2935	2933	264	Perylene-d12
78	*** No Trace Found ***							2759	149	Di-n-Octylphthalate
79	43	10	62	1	217696	bv	2843	2842	252	Benzo(b)fluorantheme
Z ~~80~~	30	10	61	-6	217696	bv	2843	2849	252	Benzo(k)fluoranthene
81	*** No Trace Found ***							2921	252	Benzo(a)pyrene
82	*** No Trace Found ***							3267	276	Indeno(1,2,3-cd)pyrene
83	*** No Trace Found ***							3276	278	Dibenz(a,h)anthracene
84	*** No Trace Found ***							3368	276	Benzo(g,h,i)perylene
85	*** No Trace Found ***							79	79	Pyridine
86	*** No Trace Found ***							1094	162	2,6-Dichlorophenol
87	*** No Trace Found ***							1603	232	2,3,4,6-Tetrachlorophenol

4164P11

4163P11 !
✓ Dnm 06/14/94

QUAN DB : 41e4P10 LAB-BASE QUAN 06/14/94 10:19

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	10.28	1.00	758	-1	97	99	730241	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	7.23	0.70	453	2	92	94	141936	bb	112	2-Fluorophenol	6.2	S
3	9.51	0.93	681	0	97	98	302093	bv	99	Phenol-d5	9.5	S
4	3.46	0.34	0	0	0	0	0		42	N-Nitrosodimethylamine	0.0	NR
5	9.55	0.93	0	0	0	0	0		94	Phenol	0.0	MC
6	9.52	0.93	0	0	0	0	0		93	Aniline	0.0	NR
7	9.73	0.95	0	0	0	0	0		93	bis(2-Chloroethyl)Ethe	0.0	
8	9.78	0.95	0	0	0	0	0		128	2-Chlorophenol	0.0	N
9	10.14	0.99	0	0	0	0	0		146	1,3-Dichlorobenzene	0.0	
10	10.33	1.00	0	0	0	0	0		146	1,4-Dichlorobenzene	0.0	MC
11	10.68	1.04	0	0	0	0	0		108	Benzyl alcohol	0.0	NR
12	10.68	1.04	0	0	0	0	0		146	1,2-Dichlorobenzene	0.0	
13	10.98	1.07	0	0	0	0	0		108	2-Methyphenol	0.0	
14	11.02	1.07	0	0	0	0	0		45	2,2'-oxybis(1-Chloropr	0.0	
15	11.36	1.11	0	0	0	0	0		108	4-Methylphenol	0.0	
16	11.34	1.10	0	0	0	0	0		70	N-Nitroso-Di-n-Propyla	0.0	MS
17	11.49	1.12	0	0	0	0	0		117	Hexachloroethane	0.0	
18	9.74	0.95	704	0	95	96	231460	b?	132	2-Chlorophenol-d4	8.8	S
19	10.64	1.03	794	1	93	95	117437	bv	152	1,2-Dichlorobenzene-d4	6.8	S
20	13.40	1.00	1070	-1	94	98	2842692	bv	136	Naphthalene-d8	40.0	I
21	11.64	0.87	894	0	93	97	207862	M	82	Nitrobenzene-d5	7.2	S
22	11.69	0.87	0	0	0	0	0		77	Nitrobenzene	0.0	
23	12.31	0.92	0	0	0	0	0		82	Isophorone	0.0	
24	12.48	0.93	0	0	0	0	0		139	2-Nitrophenol	0.0	
25	12.66	0.94	0	0	0	0	0		107	2,4-Dimethylphenol	0.0	CC
26	12.90	0.96	0	0	0	0	0		93	bis(2-Chloroethoxy)Met	0.0	
27	13.05	0.97	0	0	0	0	0		105	Benzoic acid	0.0	NR
28	13.09	0.98	0	0	0	0	0		162	2,4-Dichlorophenol	0.0	CC
29	13.28	0.99	0	0	0	0	0		180	1,2,4-Trichlorobenzene	0.0	M
30	13.46	1.00	0	0	0	0	0		128	Naphthalene	0.0	
31	13.64	1.02	0	0	0	0	0		127	4-Chloroaniline	0.0	
32	13.80	1.03	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
33	14.92	1.11	0	0	0	0	0		107	4-Chloro-3-Methylpheno	0.0	MC
34	15.22	1.14	0	0	0	0	0		142	2-Methylnaphthalene	0.0	
35	17.86	1.00	1516	0	97	98	1450684	b?	164	Acenaphthene-d10	40.0	I
36	16.18	0.91	1348	-1	94	99	449486	bv	172	2-Fluorobiphenyl	10.1	S
37	19.69	1.11	1718	0	80	84	26463	bb	330	2,4,6-Tribromophenol	3.7	S
38	15.62	0.87	0	0	0	0	0		237	Hexachlorocyclopentadi	0.0	SP
39	15.96	0.89	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
40	16.05	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
41	16.45	0.92	0	0	0	0	0		162	2-Chloronaphthalene	0.0	
42	16.75	0.94	0	0	0	0	0		65	2-Nitroaniline	0.0	
43	17.27	0.97	0	0	0	0	0		163	Dimethylphthalate	0.0	
44	17.49	0.98	0	0	0	0	0		152	Acenaphthylene	0.0	
45	17.40	0.97	0	0	0	0	0		165	2,6-Dinitrotoluene	0.0	
46	17.81	1.00	0	0	0	0	0		138	3-Nitroaniline	0.0	
47	17.95	1.00	0	0	0	0	0		153	Acenapthene	0.0	MC
48	18.08	1.01	0	0	0	0	0		184	2,4-Dinitrophenol	0.0	SP
49	18.30	1.02	0	0	0	0	0		109	4-Nitrophenol	0.0	MC
50	18.40	1.03	0	0	0	0	0		168	Dibenzofuran	0.0	

KPV 6/14/94

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	L.
51	18.42	1.03	0	0	0	0	0		165	2,4-Dinitrotoluene	0.0	M
52	19.09	1.07	0	0	0	0	0		149	Diethylphthalate	0.0	
53	19.31	1.08	0	0	0	0	0		204	4-Chlorophenyl-phenyle	0.0	
54	19.27	1.08	0	0	0	0	0		166	Fluorene	0.0	
55	19.36	1.08	0	0	0	0	0		138	4-Nitroaniline	0.0	
56	21.66	1.00	1896	0	93	97	2125148	M	188	Phenanthrene-d10	40.0	I
57	19.45	0.90	0	0	0	0	0		198	4,6-Dinitro-2-Methylph	0.0	
58	19.62	0.91	0	0	0	0	0		169	N-Nitrosodiphenylamine	0.0	CC
59	19.72	0.91	0	0	0	0	0		77	1,2-Diphenylhydrazine	0.0	NR
60	20.56	0.95	0	0	0	0	0		248	4-Bromophenyl-phenylet	0.0	
61	20.67	0.95	0	0	0	0	0		284	Hexachlorobenzene	0.0	
62	21.19	0.98	0	0	0	0	0		266	Pentachlorophenol	0.0	MC
63	21.73	1.00	0	0	0	0	0		178	Phenanthrene	0.0	
64	21.86	1.01	0	0	0	0	0		178	Anthracene	0.0	
65	22.30	1.03	0	0	0	0	0		167	Carbazole	0.0	
66	23.29	1.08	0	0	0	0	0		149	Di-n-Butylphthalate	0.0	
67	24.78	1.14	0	0	0	0	0		202	Fluoranthene	0.0	CC
68	28.56	1.00	2586	6	34	92	490191	M	240	Chrysene-d12	40.0	I
69	25.85	0.91	2315	0	0	0	201801	M	244	Terphenyl-d14	14.2	S
70	25.18	0.88	0	0	0	0	0		184	Benzidine	0.0	NR
71	25.36	0.89	0	0	0	0	0		202	Pyrene	0.0	M
72	27.14	0.95	0	0	0	0	0		149	Butylbenzylphthalate	0.0	
73	28.55	1.00	2585	5	23	76	165229	M	252	3,3'-Dichlorobenzidine	~~[illegible]~~	[illegible]
74	28.47	1.00	0	0	0	0	0		228	Benzo(a)anthracene	0.0	
75	28.56	1.00	0	0	0	0	0		228	Chrysene	0.0	
76	28.66	1.00	0	0	0	0	0		149	bis(2-ethylhexyl)phtha	0.0	
77	32.05	1.00	2935	2	55	91	394621	M	264	Perylene-d12	40.0	I
78	30.27	0.94	0	0	0	0	0		149	Di-n-Octylphthalate	0.0	CC
79	31.13	0.97	2843	1	10	63	236108	bv	252	Benzo(b)fluoranthene	~~[illegible]~~	[illegible]
80	31.13	0.97	2843	0	0	0	0		252	Benzo(k)fluoranthene	0.0	
81	31.89	1.00	0	0	0	0	0		252	Benzo(a)pyrene	0.0	CC
82	35.35	1.10	0	0	0	0	0		276	Indeno(1,2,3-cd)pyrene	0.0	
83	35.44	1.11	0	0	0	0	0		278	Dibenz(a,h)anthracene	0.0	
84	36.36	1.13	0	0	0	0	0		276	Benzo(g,h,i)perylene	0.0	
85	3.49	0.34	0	0	0	0	0		79	Pyridine	0.0	
86	13.65	1.02	0	0	0	0	0		162	2,6-Dichlorophenol	0.0	
87	18.73	1.05	0	0	0	0	0		232	2,3,4,6-Tetrachlorophe	0.0	

4164P10

Datafile : 4164P10

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	394934	730241	1579736
Naphthalene-d8	1624308	2842692	6497232
Acenaphthene-d10	968074	1450684	3872296
Phenanthrene-d10	1630933	2125148	6523732
Chrysene-d12	953605	490191	3814418****
Perylene-d12	604504	394621	2418016****

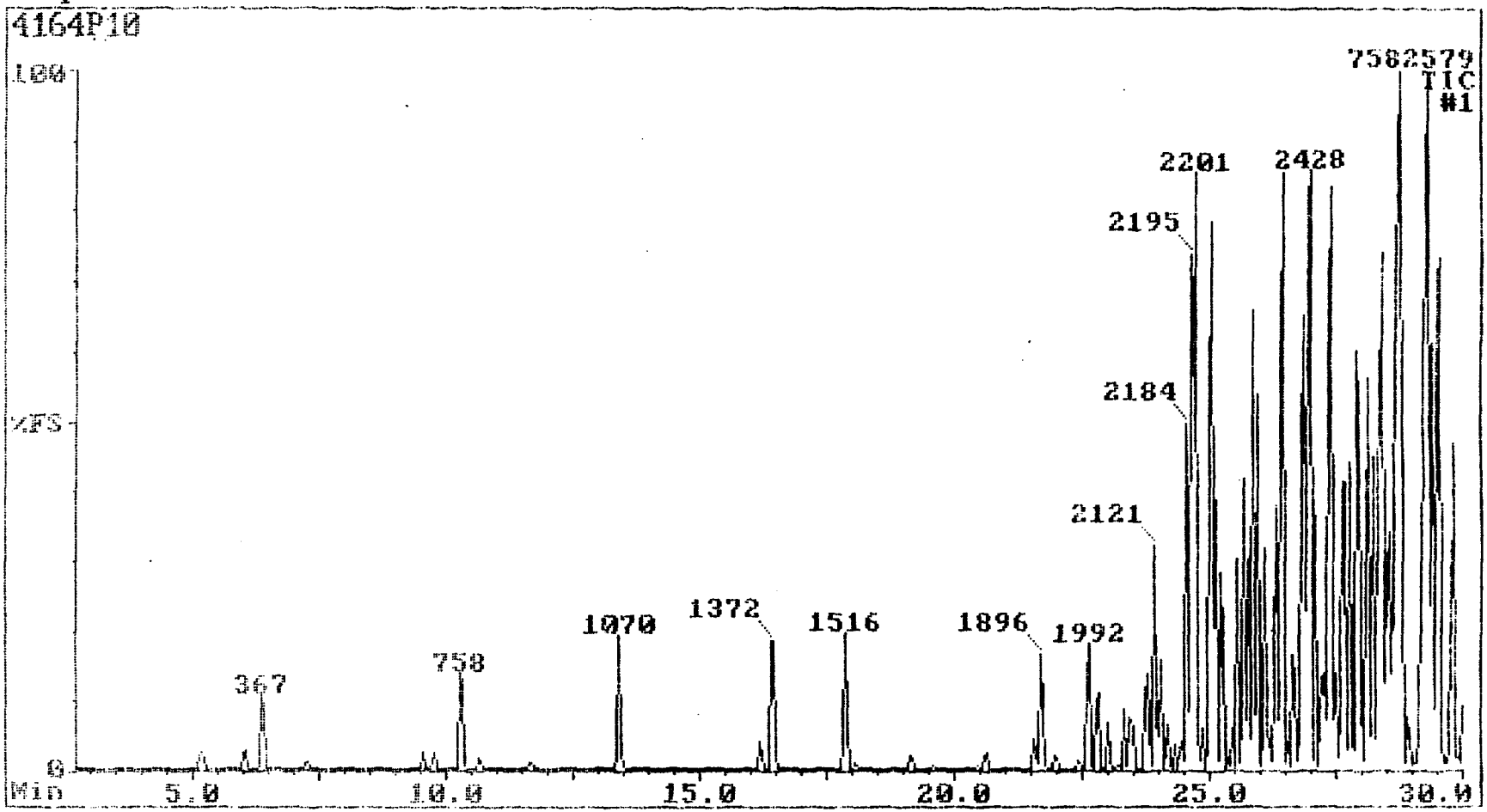
Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	10.29	10.28
Naphthalene-d8	13.41	13.40
Acenaphthene-d10	17.86	17.86
Phenanthrene-d10	21.66	21.66
Chrysene-d12	28.50	28.56
Perylene-d12	32.03	32.05

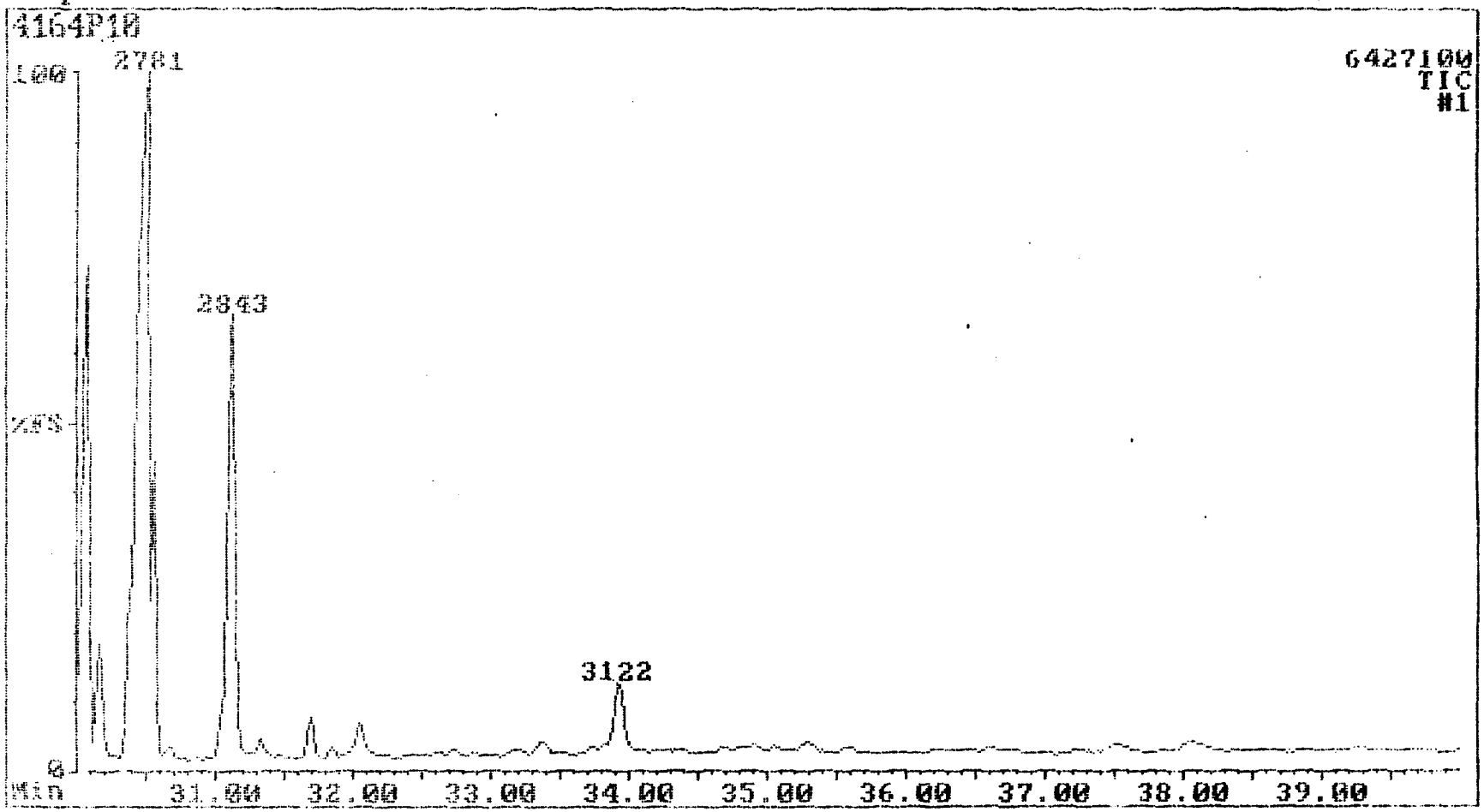
Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
		X10				
2-Fluorophenol	6	4.1	(25-121)	(21-110)	bb	141936
Phenol-d5	10	6.4	(24-113)	(10-110)	bv	302093
2-Chlorophenol-d4	9	5.9	(20-130)	(33-110)	b?	231460
1,2-Dichlorobenzene-d4	7	6.8	(20-130)	(16-110)	bv	117437
Nitrobenzene-d5	7	7.2	(23-120)	(35-114)		207862
2-Fluorobiphenyl	10	10.1	(30-115)	(43-116)	bv	449496
2,4,6-Tribromophenol	4	2.5	(19-122)	(10-123)	bb	26463
Terphenyl-d14	14	14.2	(18-137)	(33-141)		201801

4164P10 06/13/94 19:35 VGTRI01A GNM
Sample:vial labelled 25160MSD RI ECOL HPN:5039

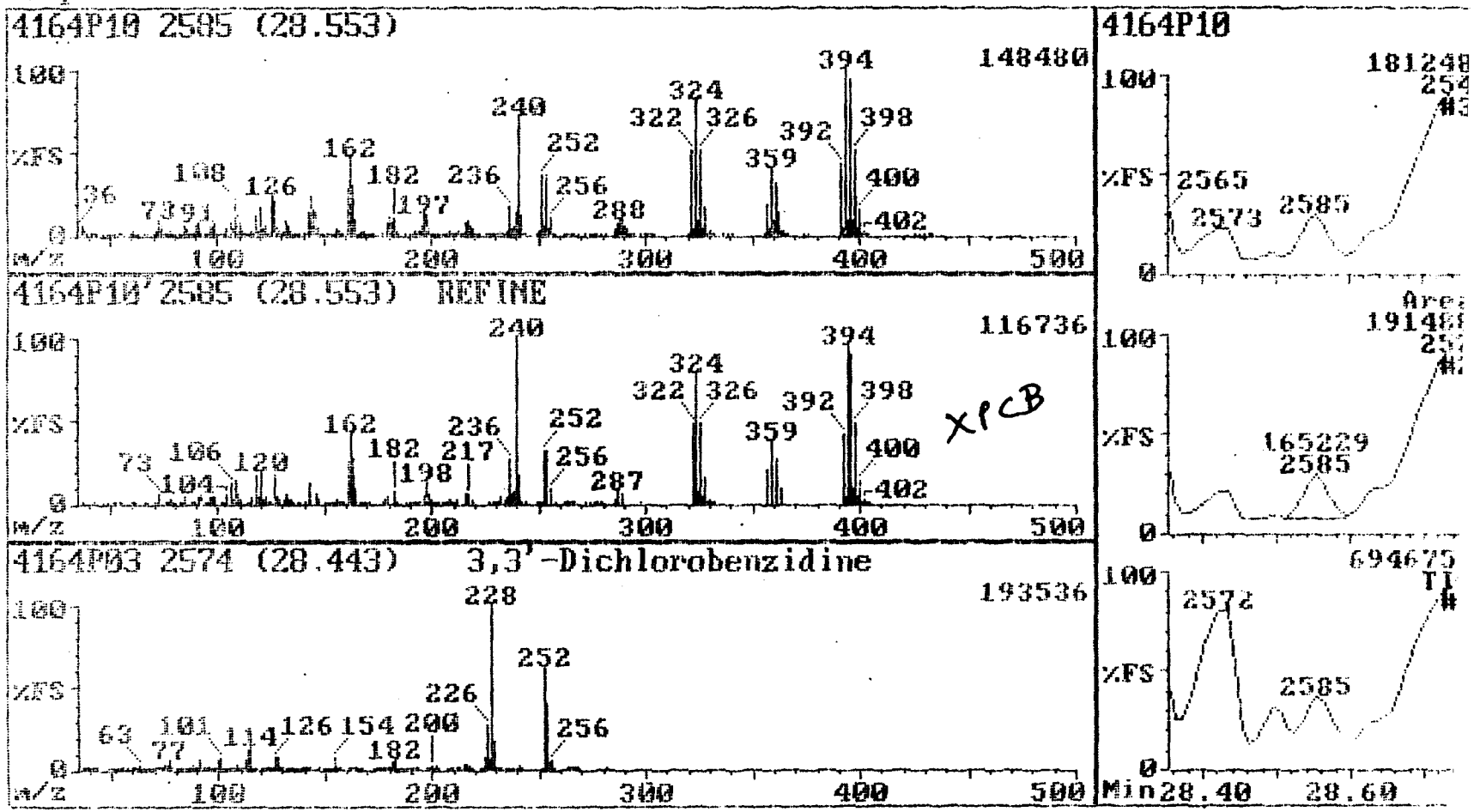


4164P10 06/13/94 19:35 VGTRI01A GNM
Sample:vial labelled 25160MSD RI ECOL HPN:5039



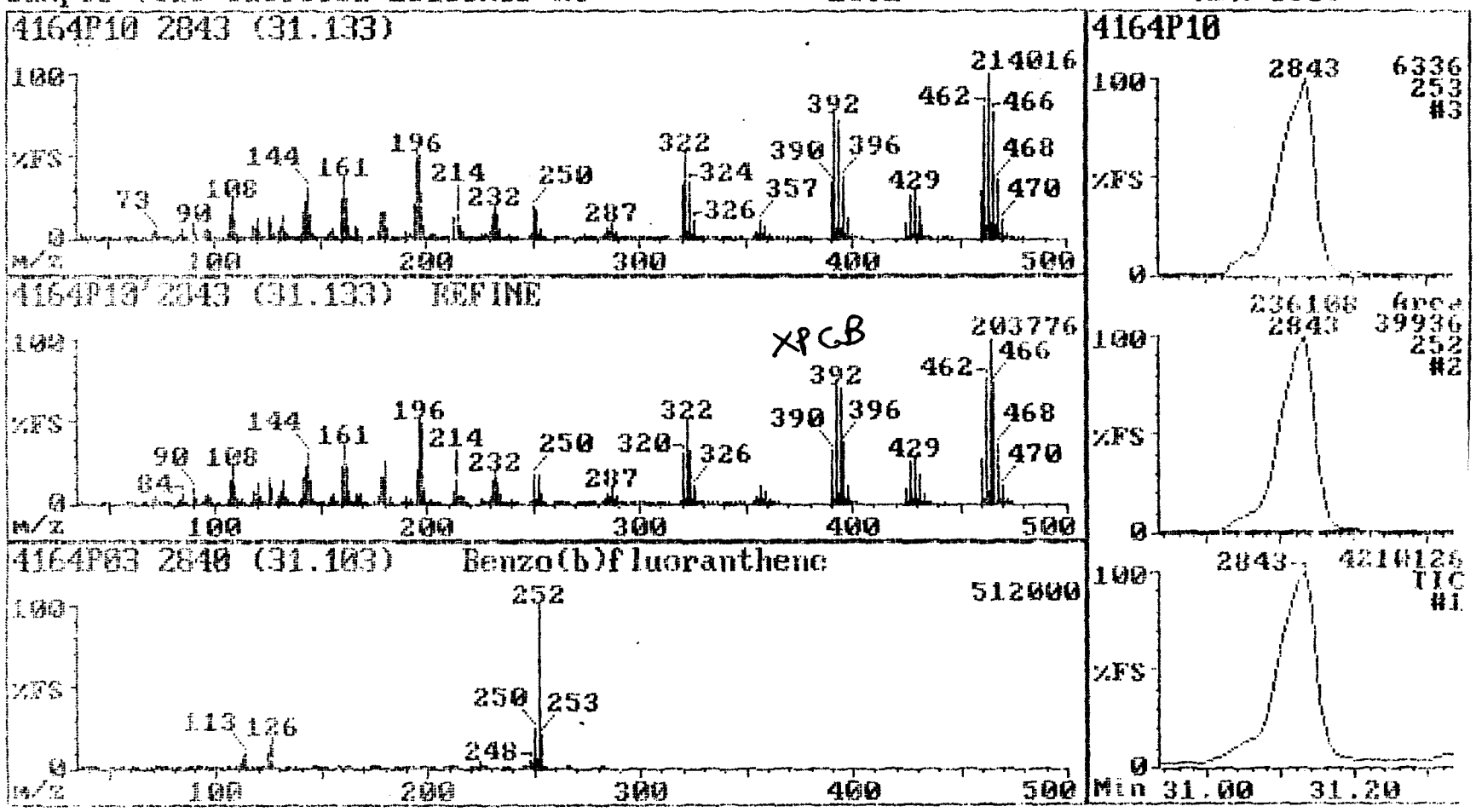
4164P10 06/13/94 19:35 VGTRI01A GNM

Sample:vial labelled 25160MSD RI ECOL HPN:5039



4164P10 06/13/94 19:35 VGTRI01A GNM

Sample:vial labelled 25160MSD RI ECOL HPN:5039



Gnm
06/14/94

Interim Report LAB-BASE FIND 06/14/94 08:31

Raw Datafile : 4164F10 Quan DB : 4164F10
Find DB : SV8270 Scan DB : 4164F10

No.	MAT	Spectrum FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	97	99	-1	730241	bv	758	759	152	1,4-Dichlorobenzene-d4
2	100	92	94	2	141936	bb	453	451	112	2-Fluorophenol
3	100	97	98	0	302093	bv	681	681	99	Phenol-d5
4	*** No Trace Found ***					*		76	42	N-Nitrosodimethylamine
5	*** No Trace Found ***							684	94	Phenol
6	*** No Trace Found ***							681	93	Aniline
7	*** No Trace Found ***							702	93	bis(2-Chloroethyl)Ether
8	*** No Trace Found ***							707	128	2-Chlorophenol
9	*** No Trace Found ***							743	146	1,3-Dichlorobenzene
10	*** No Trace Found ***							762	146	1,4-Dichlorobenzene
11	*** No Trace Found ***							797	108	Benzyl alcohol
12	*** No Trace Found ***							797	146	1,2-Dichlorobenzene
13	*** No Trace Found ***							827	108	2-Methyphenol
14	*** No Trace Found ***							831	45	2,2'-oxybis(1-Chloropropan
15	*** No Trace Found ***							865	108	4-Methylphenol
16	*** No Trace Found ***							863	70	N-Nitroso-Di-n-Propylamine
17	*** No Trace Found ***							878	117	Hexachloroethane
18	100	95	96	0	231460	b?	704	704	132	2-Chlorophenol-d4
19	100	93	95	1	117437	bv	794	793	152	1,2-Dichlorobenzene-d4
20	100	94	98	-1	2542692	bv	1070	1071	136	Naphthalene-d8
21	100	93	97	0	201772	bv	894	894	82	Nitrobenzene-d5
22	*** No Trace Found ***					*		898	77	Nitrobenzene
23	*** No Trace Found ***							960	82	Isophorone
24	*** No Trace Found ***							977	139	2-Nitrophenol
25	*** No Trace Found ***							995	107	2,4-Dimethylphenol
26	*** No Trace Found ***							1019	93	bis(2-Chloroethoxy)Methane
27	*** No Trace Found ***							1034	105	Benzoic acid
28	*** No Trace Found ***							1038	162	2,4-Dichlorophenol
29	*** No Trace Found ***							1057	180	1,2,4-Trichlorobenzene
30	*** No Trace Found ***							1075	128	Naphthalene
31	*** No Trace Found ***							1093	127	4-Chloroaniline
32	*** No Trace Found ***							1109	225	Hexachlorobutadiene
33	*** No Trace Found ***							1221	107	4-Chloro-3-Methylphenol
34	*** No Trace Found ***							1251	142	2-Methylnaphthalene
35	100	97	98	0	1450664	b?	1516	1516	164	Acenaphthene-d10
36	100	94	99	-1	449486	bv	1348	1349	172	2-Fluorobiphenyl
37	100	80	84	0	26463	bb	1718	1718	330	2,4,6-Tribromophenol
38	*** No Trace Found ***							1292	237	Hexachlorocyclopentadiene
39	*** No Trace Found ***							1326	196	2,4,6-Trichlorophenol
40	*** No Trace Found ***							1335	196	2,4,5-Trichlorophenol
41	*** No Trace Found ***							1375	162	2-Chloronaphthalene
42	*** No Trace Found ***							1405	65	2-Nitroaniline
43	*** No Trace Found ***							1457	163	Dimethylphthalate
44	*** No Trace Found ***							1479	152	Acenaphthylene
45	*** No Trace Found ***							1470	165	2,6-Dinitrotoluene
46	*** No Trace Found ***							1511	138	3-Nitroaniline
47	*** No Trace Found ***							1525	153	Acenapthene
48	*** No Trace Found ***							1538	184	2,4-Dinitrophenol
49	*** No Trace Found ***							1560	109	4-Nitrophenol
50	*** No Trace Found ***							1570	168	Dibenzofuran
51	*** No Trace Found ***							1572	165	2,4-Dinitrotoluene

53	*** No Trace Found ***								1661	204	4-Chlorophenyl-phenylether
54	*** No Trace Found ***								1657	166	Fluorene
55	*** No Trace Found ***								1666	138	4-Nitroaniline
56	100	93	97	2	2238056	bv		1896	1896	188	Phenanthrene-d10
57	*** No Trace Found ***						*		1675	198	4,6-Dinitro-2-Methylphenol
58	*** No Trace Found ***								1692	169	N-Nitrosodiphenylamine
59	*** No Trace Found ***								1702	77	1,2-Diphenylhydrazine
60	*** No Trace Found ***								1786	248	4-Bromophenyl-phenylether
61	*** No Trace Found ***								1797	284	Hexachlorobenzene
62	*** No Trace Found ***								1849	266	Pentachlorophenol
63	*** No Trace Found ***								1903	178	Phenanthrene
64	*** No Trace Found ***								1916	178	Anthracene
65	*** No Trace Found ***								1960	167	Carbazole
66	*** No Trace Found ***								2059	149	Di-n-Butylphthalate
67	*** No Trace Found ***								2208	202	Fluoranthene
68	54	34	92	6	496711	vb		2586	2580	240	Chrysene-d12
69	*** No Trace Found ***								2318	244	Terphenyl-d14
70	*** No Trace Found ***								2253	184	Benzidine
71	*** No Trace Found ***								2271	202	Pyrene
72	*** No Trace Found ***								2450	149	Butylbenzylphthalate
73	46	23	76	5	159488	bb		2585	2580	252	3,3'-Dichlorobenzidine
	32	19	62	-7	151104	vb		2573			
74	*** No Trace Found ***								2583	228	Benzo(a)anthracene
75	*** No Trace Found ***								2592	228	Chrysene
76	*** No Trace Found ***								2602	149	bis(2-ethylhexyl)phthalate
77	86	55	91	2	387615	bv		2935	2933	264	Perylene-d12
78	*** No Trace Found ***								2759	149	Di-n-Octylphthalate
79	43	10	63	1	236108	bv		2843	2842	252	Benzo(b)fluoranthene
80	31	10	62	-6	236108	bv		2843	2849	252	Benzo(k)fluoranthene
81	*** No Trace Found ***								2921	252	Benzo(a)pyrene
82	*** No Trace Found ***								3267	276	Indeno(1,2,3-cd)pyrene
83	*** No Trace Found ***								3276	278	Dibenz(a,h)anthracene
84	*** No Trace Found ***								3368	276	Benzo(g,h,i)perylene
85	*** No Trace Found ***								79	79	Pyridine
86	*** No Trace Found ***								1094	162	2,6-Dichlorophenol
87	*** No Trace Found ***								1603	232	2,3,4,6-Tetrachlorophenol

4164P10

Shot to confirm
4163P09
✓ [illegible] 06/14/94

QUAN DB : 4164P09 LAB-BASE QUAN 06/14/94 10:14

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	GM	Name	Conc	U.
1	10.28	1.00	758	-1	97	99	762944	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	7.23	0.70	453	2	96	98	250636	b?	112	2-Fluorophenol	10.5	S
3	9.51	0.93	681	0	94	98	440098	bb	99	Phenol-d5	13.3	S
4	3.46	0.34	0	0	0	0	0		42	N-Nitrosodimethylamine	0.0	NR
5	9.54	0.93	684	0	92	97	487392	bv	94	Phenol	12.9	✓CC
6	9.52	0.93	0	0	0	0	0		93	Aniline	0.0	NR
7	9.73	0.95	0	0	0	0	0		93	bis(2-Chloroethyl)Ethe	0.0	
8	9.79	0.95	708	1	95	98	350940	bv	128	2-Chlorophenol	12.5	✓M
9	10.14	0.99	0	0	0	0	0		146	1,3-Dichlorobenzene	0.0	
10	10.32	1.00	762	0	92	98	264861	bb	146	1,4-Dichlorobenzene	9.1	✓CC
11	10.68	1.04	0	0	0	0	0		108	Benzyl alcohol	0.0	NR
12	10.68	1.04	0	0	0	0	0		146	1,2-Dichlorobenzene	0.0	
13	10.98	1.07	0	0	0	0	0		108	2-Methyphenol	0.0	
14	11.02	1.07	0	0	0	0	0		45	2,2'-oxybis(1-Chloropr	0.0	
15	11.36	1.11	0	0	0	0	0		108	4-Methylphenol	0.0	
16	11.31	1.10	861	-2	95	97	149988	M	70	N-Nitroso-Di-n-Propyla	7.9	✓MS
17	11.49	1.12	0	0	0	0	0		117	Hexachloroethane	0.0	
18	9.74	0.95	704	0	93	96	353672	bv	132	2-Chlorophenol-d4	12.8	S
19	10.63	1.03	793	0	96	97	162581	bv	152	1,2-Dichlorobenzene-d4	9.1	S
20	13.40	1.00	1070	-1	94	98	2996048	b?	136	Naphthalene-d8	40.0	I
21	11.63	0.87	893	-1	94	98	264553	M	82	Nitrobenzene-d5	8.7	S
22	11.69	0.87	0	0	0	0	0		77	Nitrobenzene	0.0	
23	12.31	0.92	0	0	0	0	0		82	Isophorone	0.0	
24	12.48	0.93	0	0	0	0	0		139	2-Nitrophenol	0.0	
25	12.66	0.94	0	0	0	0	0		107	2,4-Dimethylphenol	0.0	CC
26	12.90	0.96	0	0	0	0	0		93	bis(2-Chloroethoxy)Met	0.0	
27	13.05	0.97	0	0	0	0	0		105	Benzoic acid	0.0	NR
28	13.09	0.98	0	0	0	0	0		162	2,4-Dichlorophenol	0.0	CC
29	13.27	0.99	1057	0	97	98	226411	bv	180	1,2,4-Trichlorobenzene	9.6	✓M
30	13.46	1.00	0	0	0	0	0		128	Naphthalene	0.0	
31	13.64	1.02	0	0	0	0	0		127	4-Chloroaniline	0.0	
32	13.80	1.03	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
33	14.93	1.11	1223	2	97	99	332154	bv	107	4-Chloro-3-Methylphenc	12.6	✓MC
34	15.22	1.14	0	0	0	0	0		142	2-Methylnaphthalene	0.0	
35	17.86	1.00	1516	0	97	98	1491540	b?	164	Acenaphthene-d10	40.0	I
36	16.18	0.91	1348	-1	94	99	508477	bv	172	2-Fluorobiphenyl	11.1	S
37	19.88	1.11	1718	0	93	96	54228	bb	330	2,4,6-Tribromophenol	7.5	S
38	15.62	0.87	0	0	0	0	0		237	Hexachlorocyclopentadi	0.0	SP
39	15.96	0.89	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
40	16.05	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
41	16.45	0.92	0	0	0	0	0		162	2-Chloronaphthalene	0.0	
42	16.75	0.94	0	0	0	0	0		65	2-Nitroaniline	0.0	
43	17.27	0.97	0	0	0	0	0		163	Dimethylphthalate	0.0	
44	17.49	0.98	0	0	0	0	0		152	Acenaphthylene	0.0	
45	17.40	0.97	0	0	0	0	0		165	2,6-Dinitrotoluene	0.0	
46	17.81	1.00	0	0	0	0	0		138	3-Nitroaniline	0.0	
47	17.94	1.00	1524	-1	97	99	375520	bv	153	Acenapthene	8.3	✓CC
48	18.06	1.01	0	0	0	0	0		184	2,4-Dinitrophenol	0.0	SP
49	18.35	1.03	1565	5	82	87	23862	M	109	4-Nitrophenol	4.4	✓MS
50	19.43	1.03	0	0	0	0	0		168	Dibenzofuran	0.0	

[illegible] 6/14/94

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	L.
51	18.41	1.03	1571	-1	90	98	108136	bv	165	2,4-Dinitrotoluene	7.5	✓
52	19.09	1.07	0	0	0	0	0		149	Diethylphthalate	0.0	
53	19.31	1.08	0	0	0	0	0		204	4-Chlorophenyl-phenyle	0.0	
54	19.27	1.08	0	0	0	0	0		166	Fluorene	0.0	
55	19.36	1.08	0	0	0	0	0		138	4-Nitroaniline	0.0	
56	21.66	1.00	1896	0	93	97	2106496	M	188	Phenanthrene-d10	40.0	I
57	19.45	0.90	0	0	0	0	0		198	4,6-Dinitro-2-Methylph	0.0	
58	19.62	0.91	0	0	0	0	0		169	N-Nitrosodiphenylamine	0.0	CC
59	19.72	0.91	0	0	0	0	0		77	1,2-Diphenylhydrazine	0.0	NR
60	20.56	0.95	0	0	0	0	0		246	4-Bromophenyl-phenylet	0.0	
61	20.67	0.95	0	0	0	0	0		284	Hexachlorobenzene	0.0	
62	21.19	0.98	1849	0	85	89	24848	bb	266	Pentachlorophenol	3.8	✓
63	21.73	1.00	0	0	0	0	0		178	Phenanthrene	0.0	
64	21.86	1.01	0	0	0	0	0		178	Anthracene	0.0	
65	22.30	1.03	0	0	0	0	0		167	Carbazole	0.0	
66	23.29	1.08	0	0	0	0	0		149	Di-n-Butylphthalate	0.0	
67	24.78	1.14	0	0	0	0	0		202	Fluoranthene	0.0	CC
68	28.55	1.00	2585	5	33	91	467667	M	240	Chrysene-d12	40.0	I
69	25.85	0.91	2315	-2	23	67	218140	bv	244	Terphenyl-d14	16.1	S
70	25.18	0.88	0	0	0	0	0		184	Benzidine	0.0	NR
71	25.38	0.89	2268	-2	87	99	315852	bv	202	Pyrene	16.2	✓
72	27.17	0.95	2447	-2	18	79	14520	vb	149	Butylbenzylphthalate	1.8	
73	28.54	1.00	2584	5	23	76	164705	M	252	3,3'-Dichlorobenzidine	~~54.5~~	2nm
74	28.47	1.00	0	0	0	0	0		228	Benzo(a)anthracene	0.0	
75	28.56	1.00	0	0	0	0	0		228	Chrysene	0.0	
76	28.66	1.00	0	0	0	0	0		149	bis(2-ethylhexyl)phtha	0.0	
77	32.03	1.00	2933	0	56	93	413300	bv	264	Perylene-d12	40.0	I
78	30.30	0.95	2760	3	23	84	28260	M	149	Di-n-Octylphthalate	1.3	CC
79	31.12	0.97	2842	2	10	62	215288	vv	252	Benzo(b)fluoranthene	~~12.3~~	2nm
80	31.12	0.97	2842	0	0	0	0		252	Benzo(k)fluoranthene	0.0	
81	31.69	1.00	0	0	0	0	0		252	Benzo(a)pyrene	0.0	CC
82	35.35	1.10	0	0	0	0	0		276	Indeno(1,2,3-cd)pyrene	0.0	
83	35.44	1.11	0	0	0	0	0		278	Dibenz(a,h)anthracene	0.0	
84	36.36	1.14	0	0	0	0	0		276	Benzo(g,h,i)perylene	0.0	
85	3.49	0.34	0	0	0	0	0		79	Pyridine	0.0	
86	13.65	1.02	0	0	0	0	0		162	2,6-Dichlorophenol	0.0	
87	18.73	1.05	0	0	0	0	0		232	2,3,4,6-Tetrachlorophe	0.0	

4164P09

Datafile : 4164P09

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	394934	762944	1579736
Naphthalene-d8	1624308	2996049	6497232
Acenaphthene-d10	968074	1491540	3872296
Phenanthrene-d10	1630933	2106496	6523732
Chrysene-d12	953605	467667	3814418****
Perylene-d12	604504	413300	2418016****

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	10.29	10.28

computer jam/lock-up

Datafile : 4164P09 restarted

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	394934	762944	1579736
Naphthalene-d8	1624308	2996049	6497232
Acenaphthene-d10	968074	1491540	3872296
Phenanthrene-d10	1630933	2106496	6523732
Chrysene-d12	953605	467667	3814418****
Perylene-d12	604504	413300	2418016****

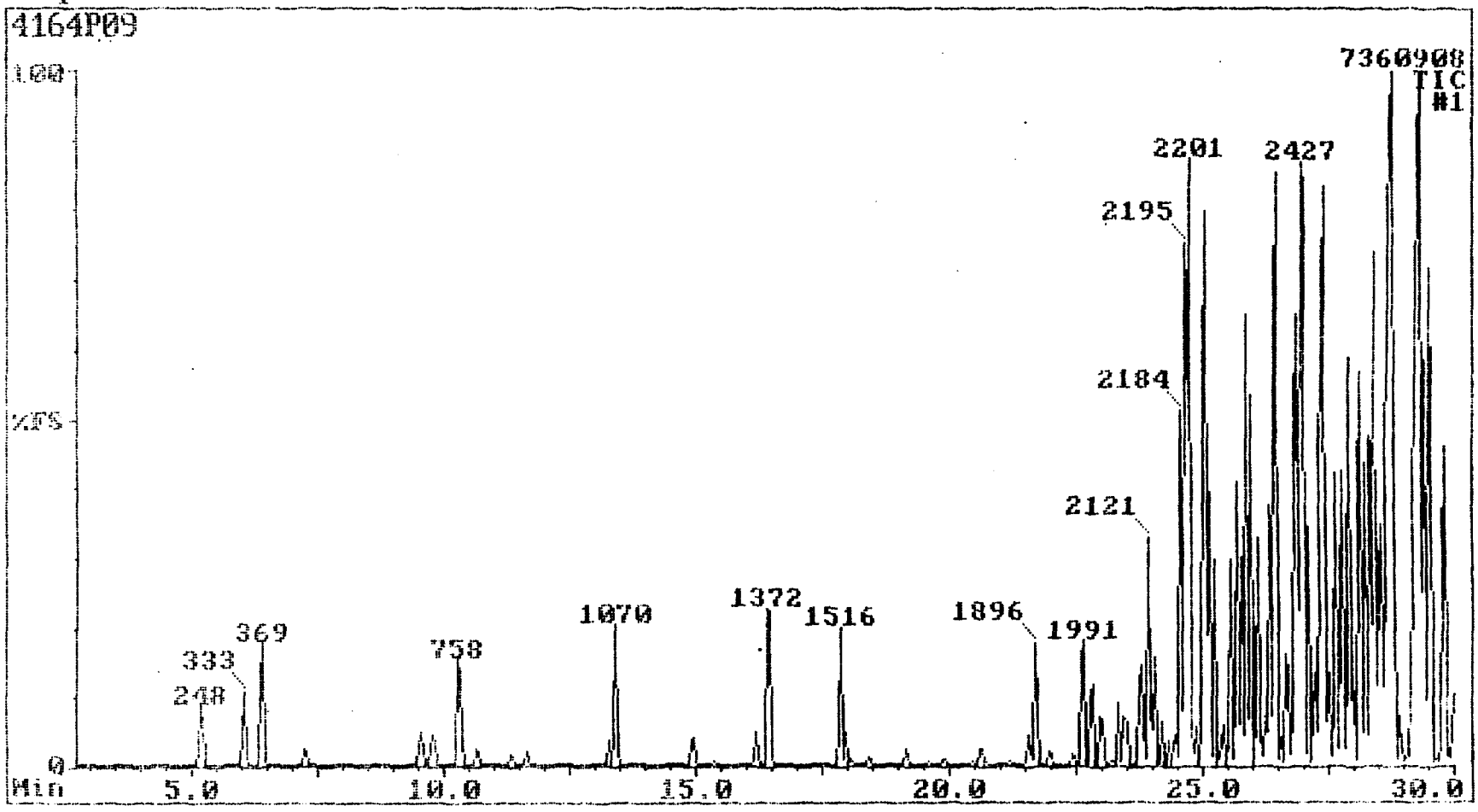
Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	10.29	10.28
Naphthalene-d8	13.41	13.40
Acenaphthene-d10	17.86	17.86
Phenanthrene-d10	21.66	21.66
Chrysene-d12	28.50	28.55
Perylene-d12	32.03	32.03

Surrogate Recoveries

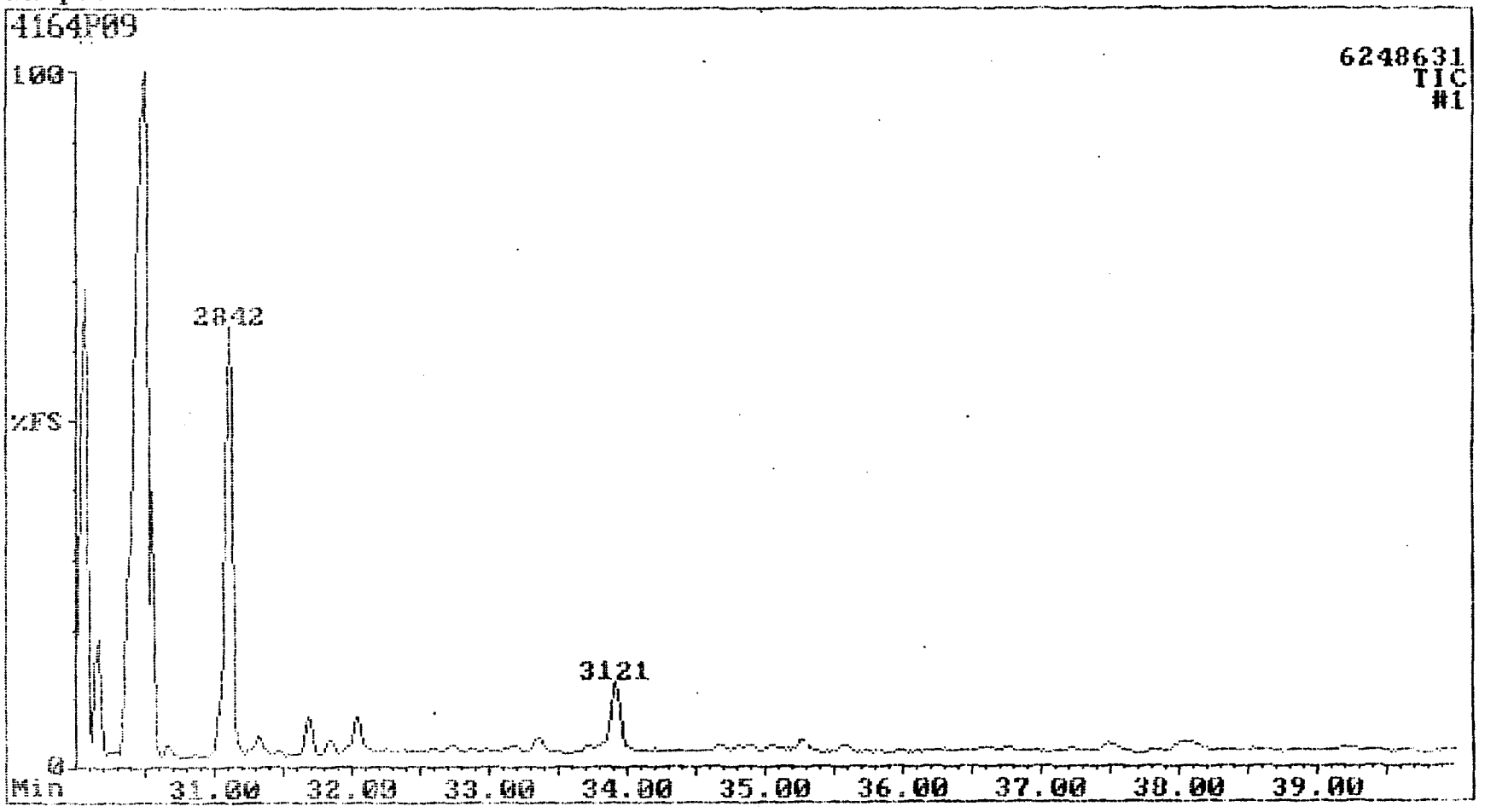
COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	11	7.0	(25-121)	(21-110)	bv	250636
Phenol-d5	13	8.9	(24-113)	(10-110)	bb	440098
2-Chlorophenol-d4	13	8.6	(20-130)	(33-110)	bv	353672
1,2-Dichlorobenzene-d4	9	9.1	(20-130)	(16-110)	bv	162561
Nitrobenzene-d5	9	8.7	(23-120)	(35-114)		264553
2-Fluorobiphenyl	11	11.1	(30-115)	(43-116)	bv	506477
2,4,6-Tribromophenol	7	5.0	(19-122)	(10-123)	bb	54328
Terphenyl-d14	16	16.1	(18-137)	(33-141)	bv	218140

4164P09 06/13/94 18:47 VGTRI01A GNM
Sample:vial labelled 25160 RI ECOL HPN:5039



4164P09 06/13/94 18:47 VGTRI01A GNM

Sample:vial labelled 25160 RI ECOL HPN:5039



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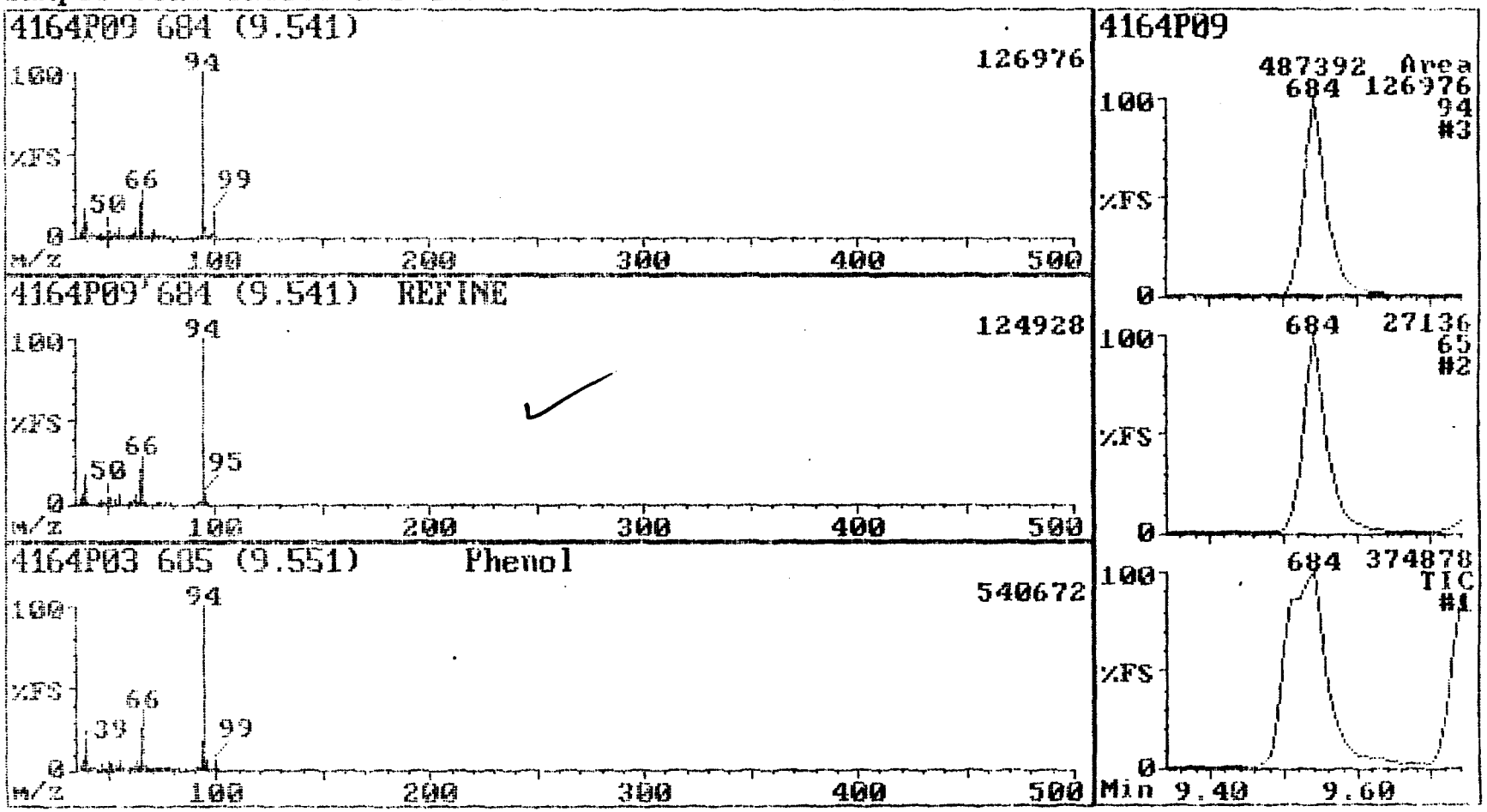
Sample:vial labelled 25160 RI ECOL HPN:5039



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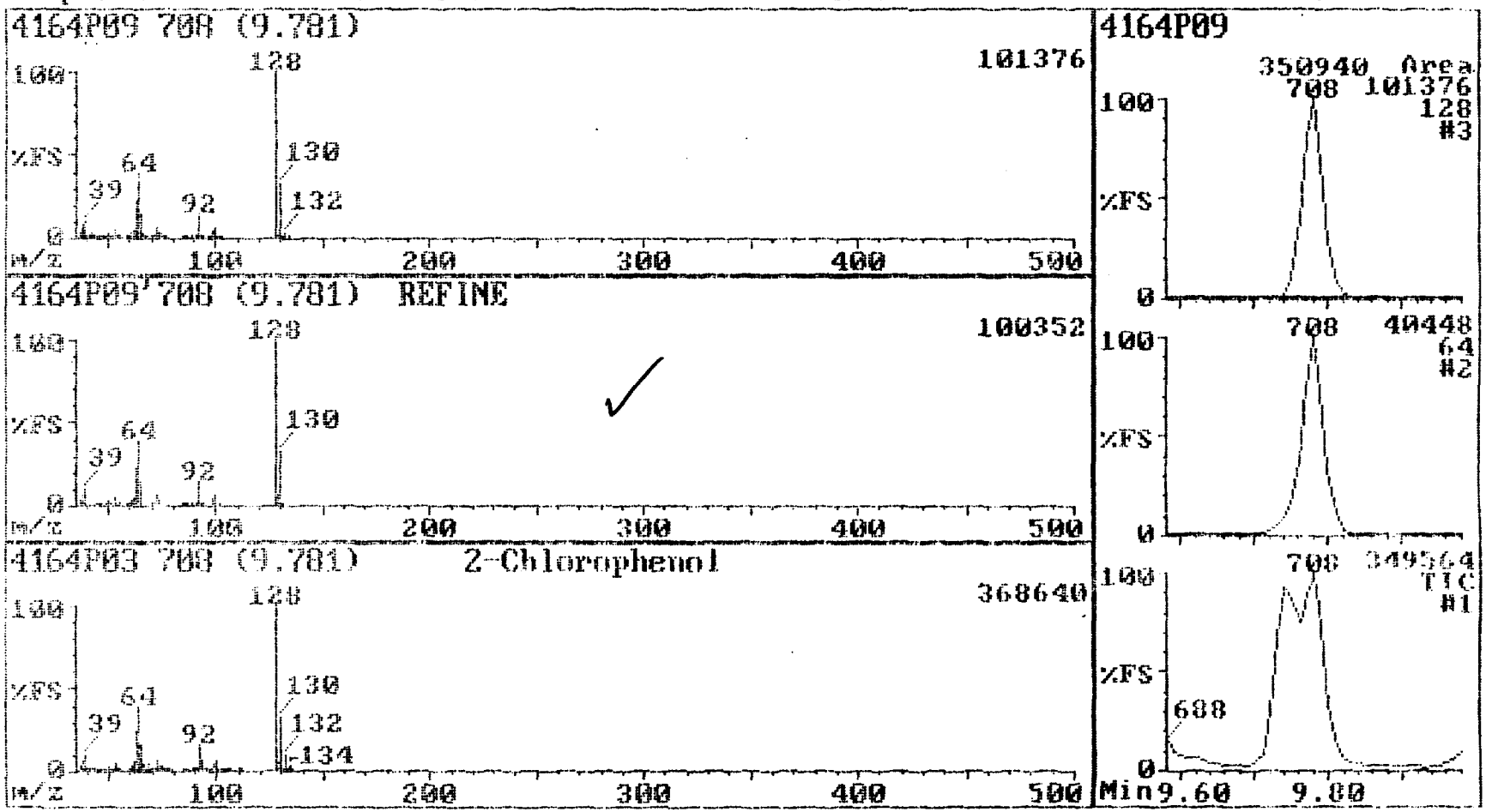
Sample:vial labelled 25160 RI ECOL HPN:5039



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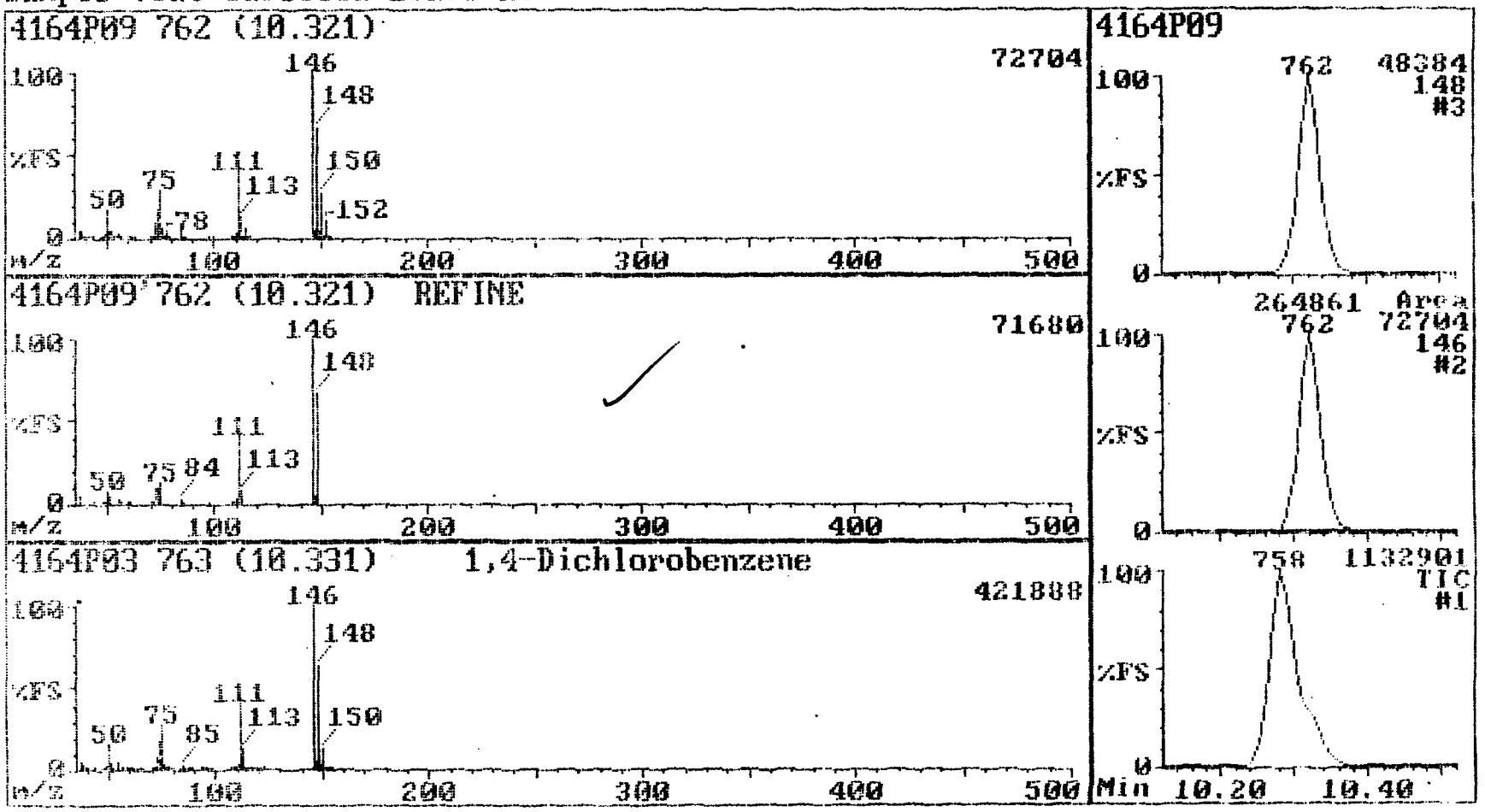
Sample:vial labelled 25160 RI ECOL HPN:5039



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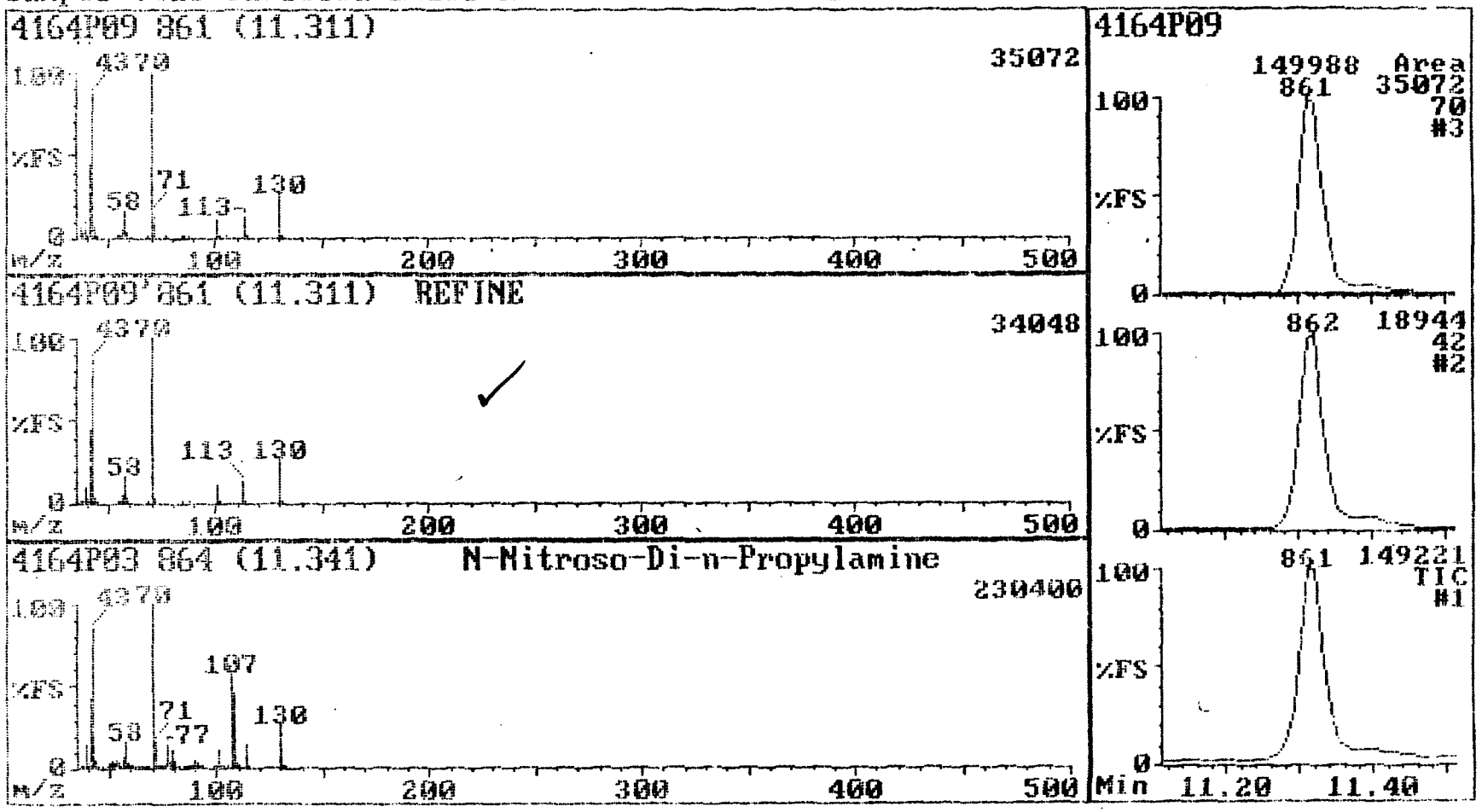
Sample:vial labelled 25160 RI ECOL HPN:5039



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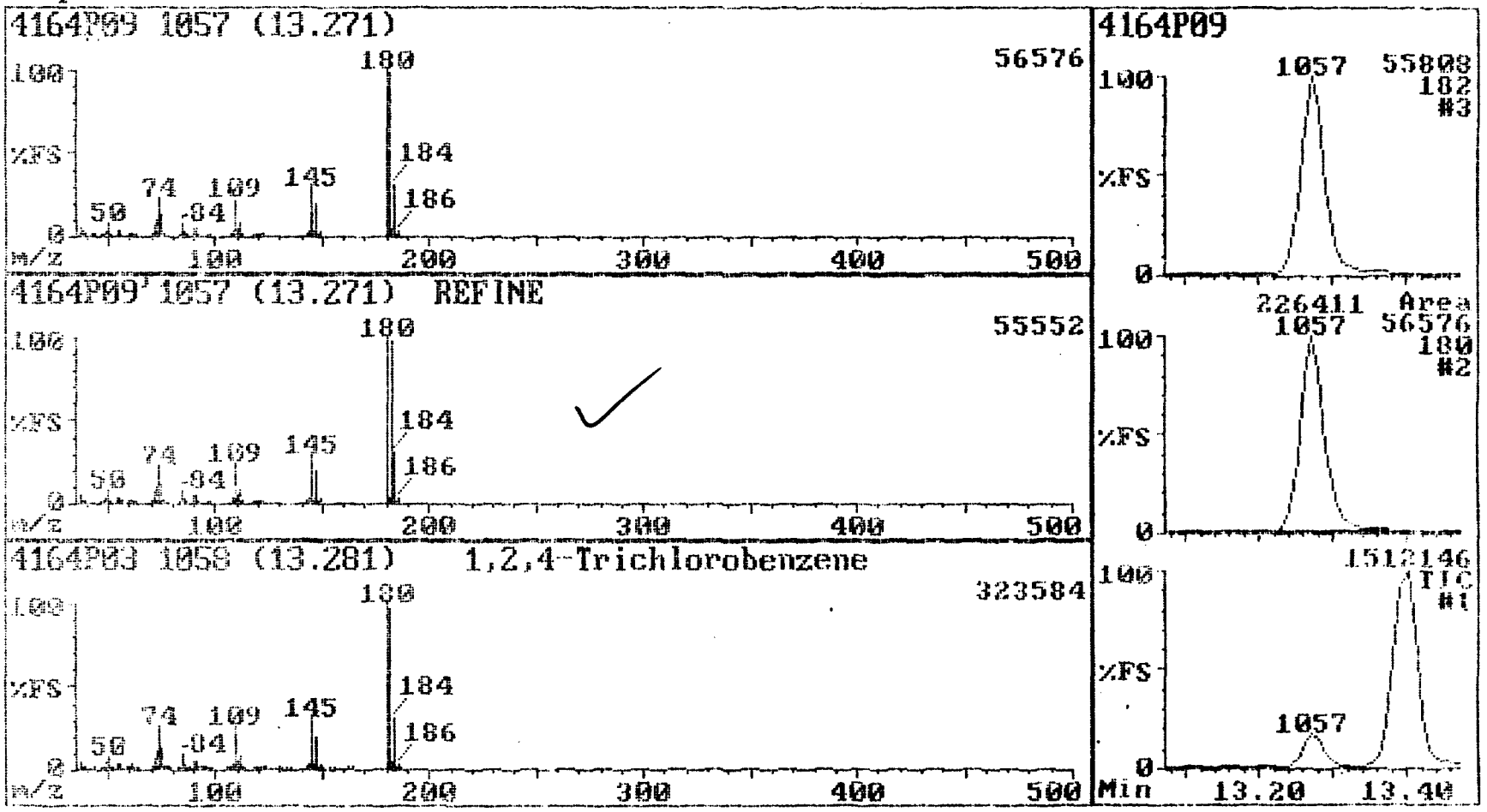
Sample:vial labelled 25160 RI ECOL HPN:5039



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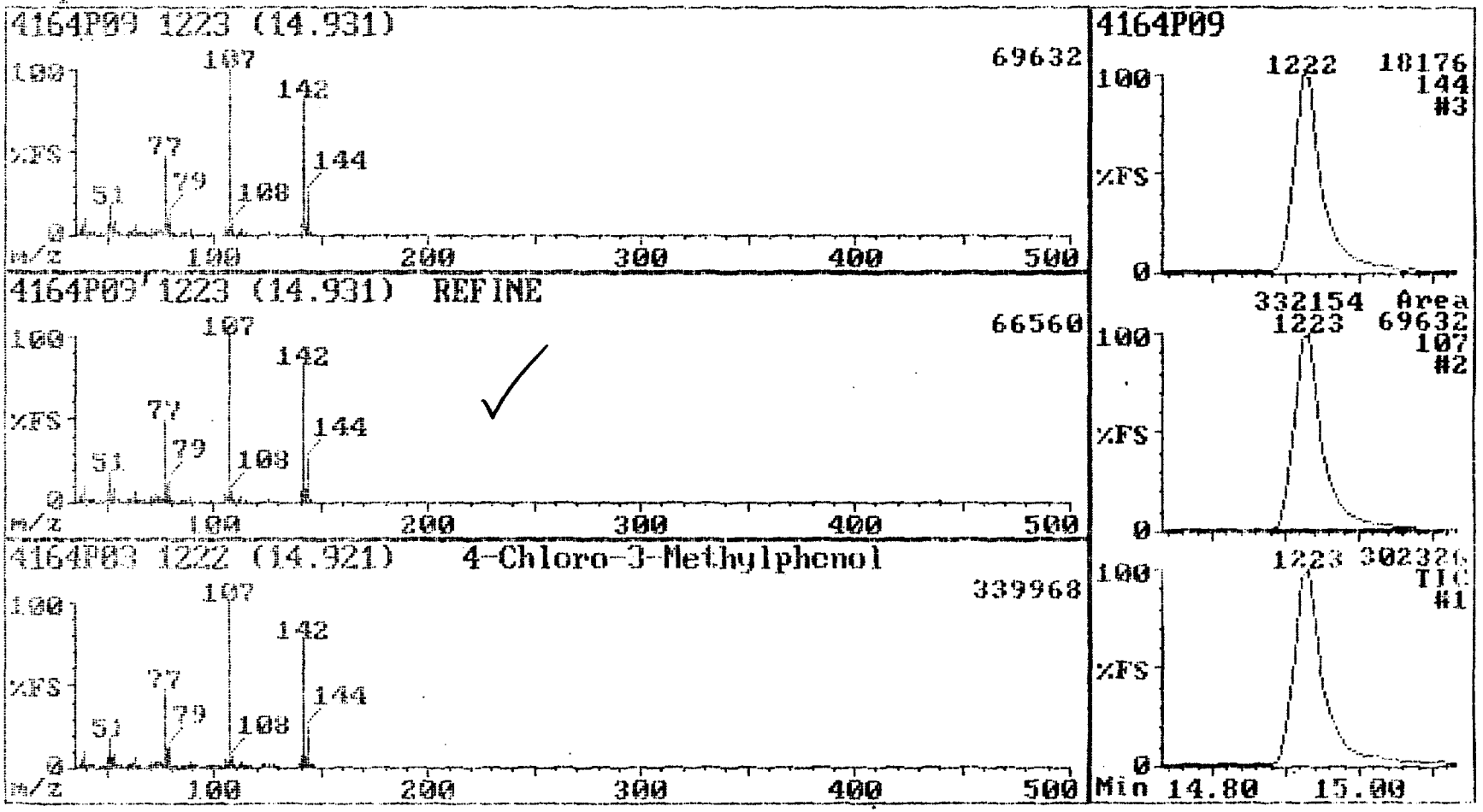

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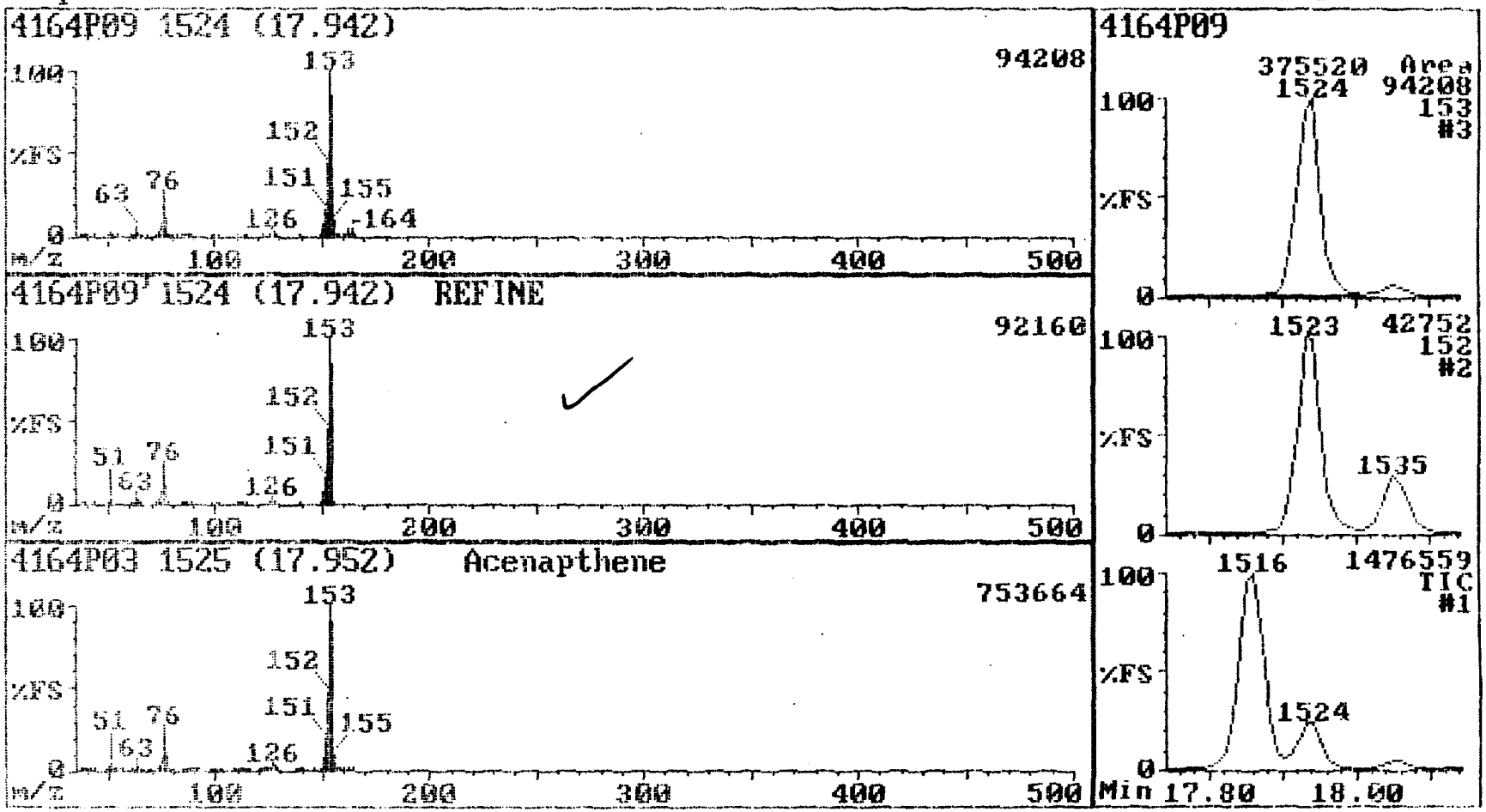

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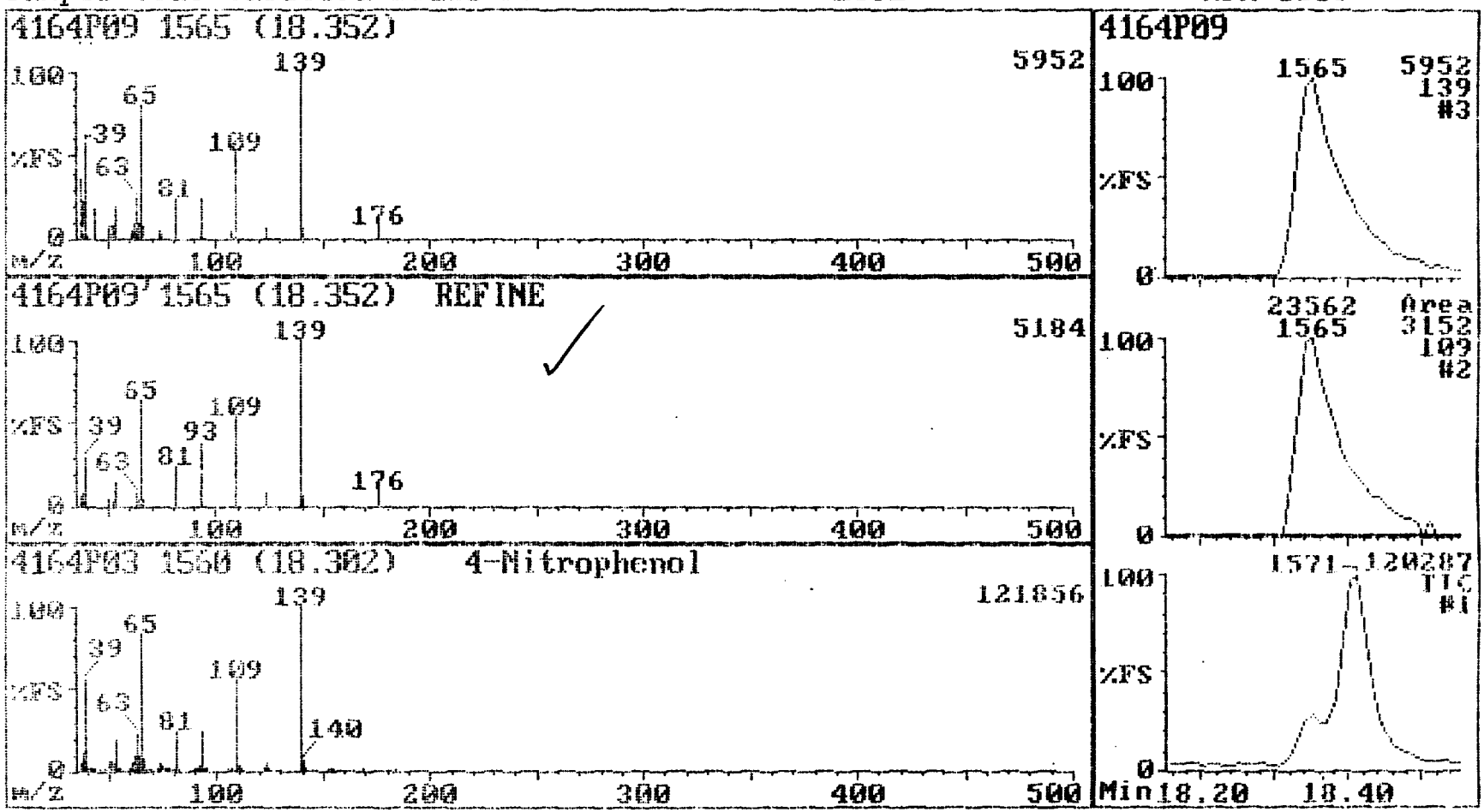

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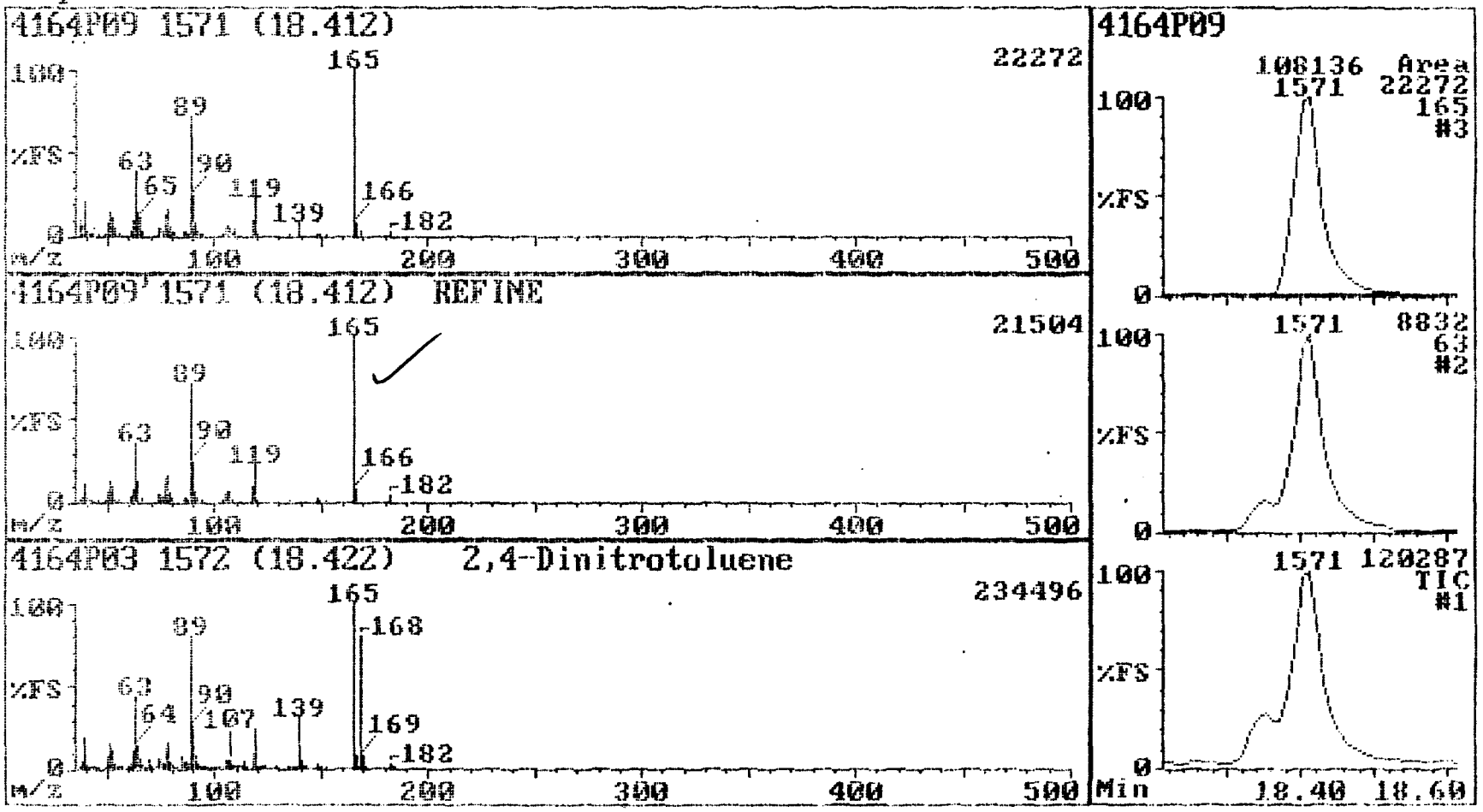
Sample:vial labelled 25160 RI ECOL HPN:5039



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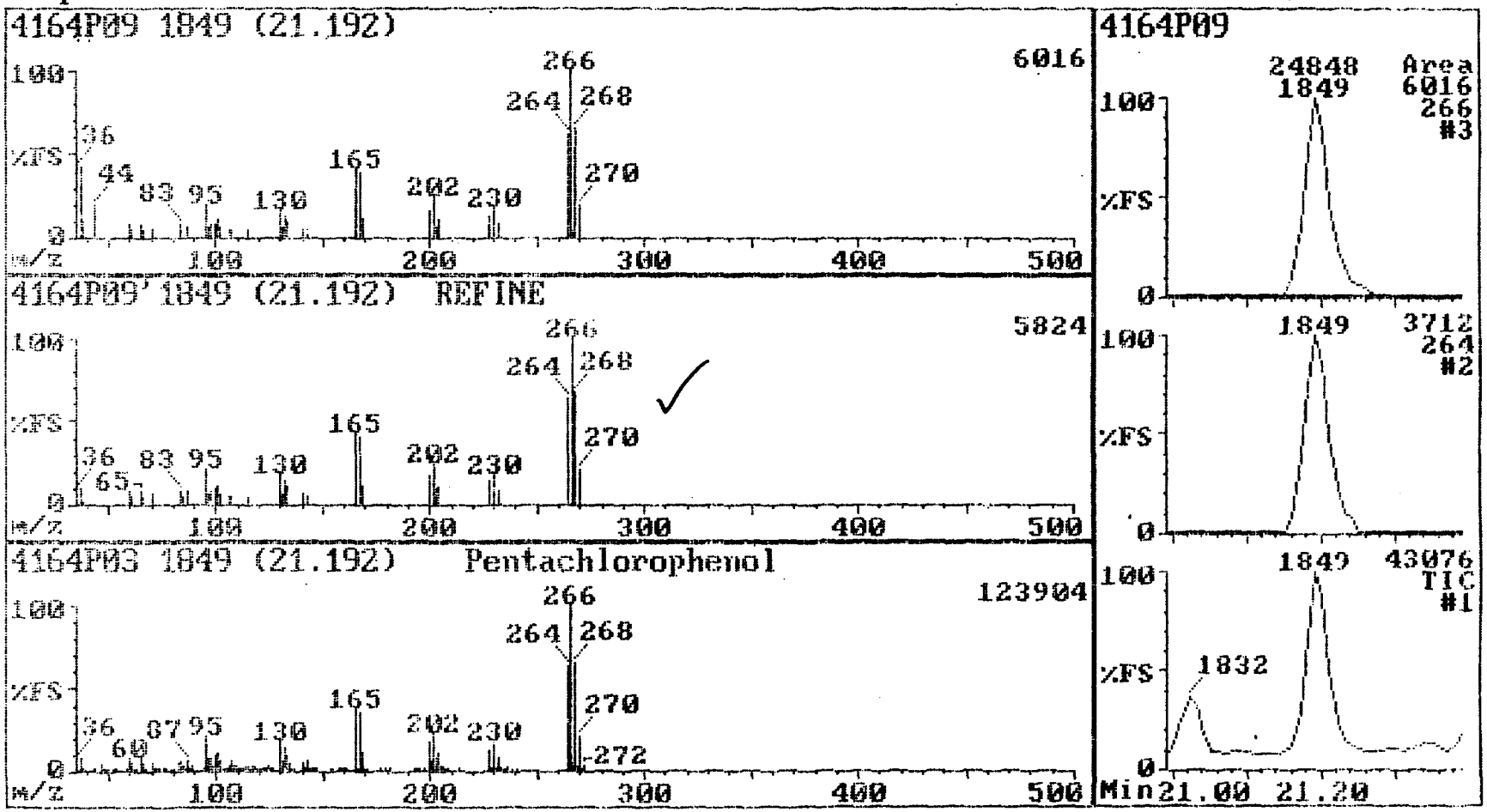
Sample:vial labelled 25160 RI ECOL HPN:5039



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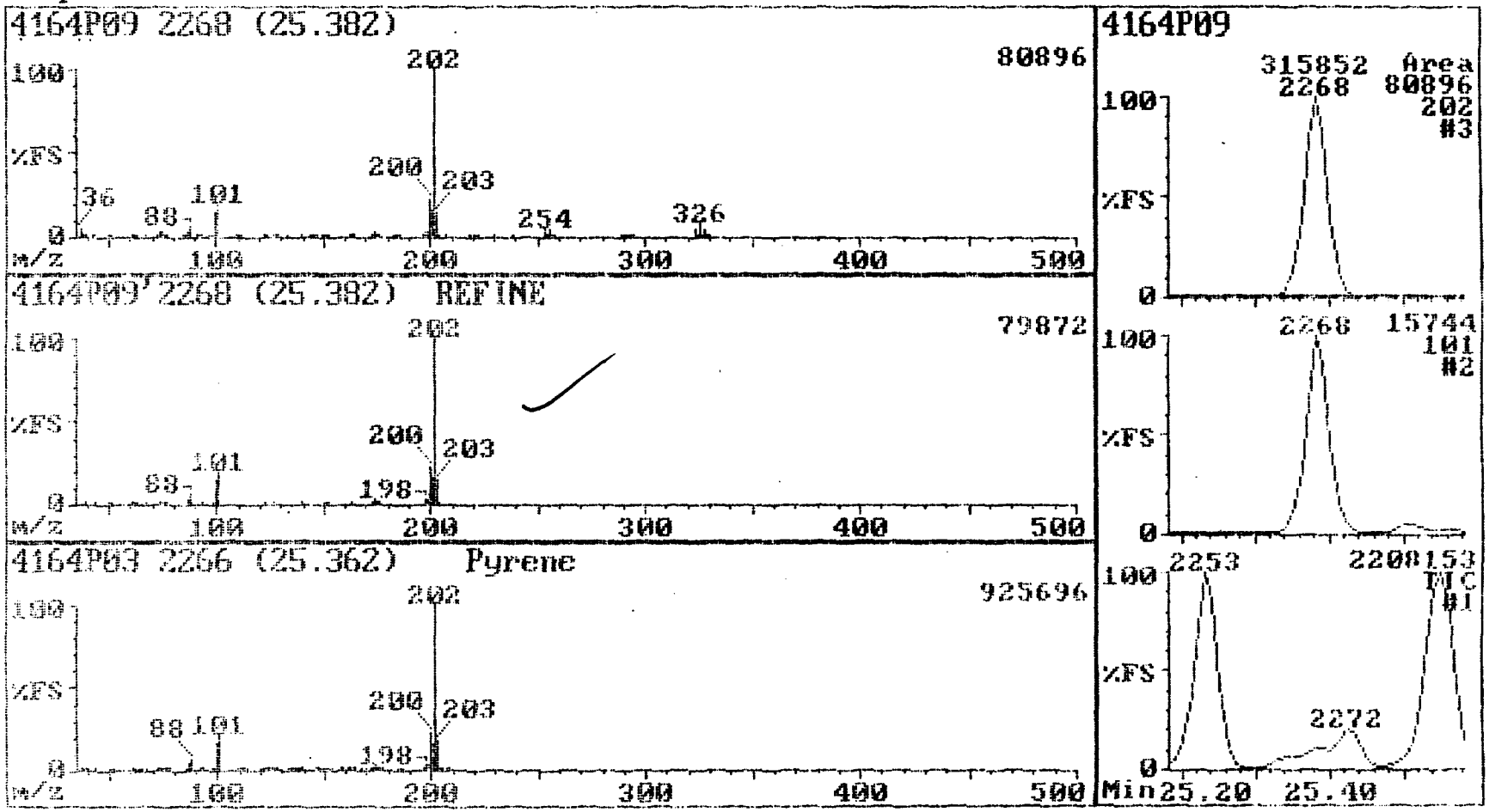
Sample:vial labelled 25160 RI ECOL HPN:5039



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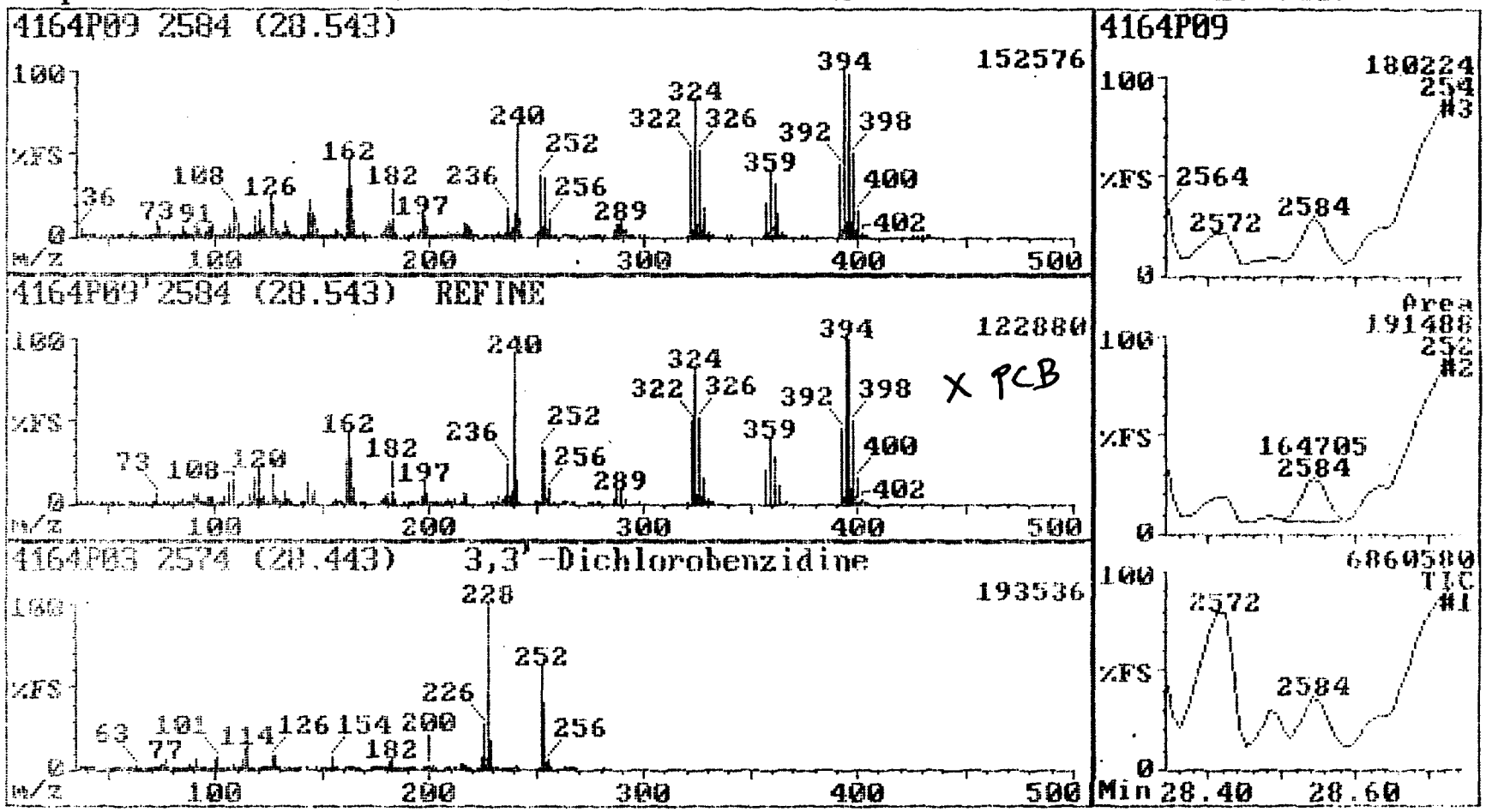
Sample:vial labelled 25160 RI ECOL HPN:5039



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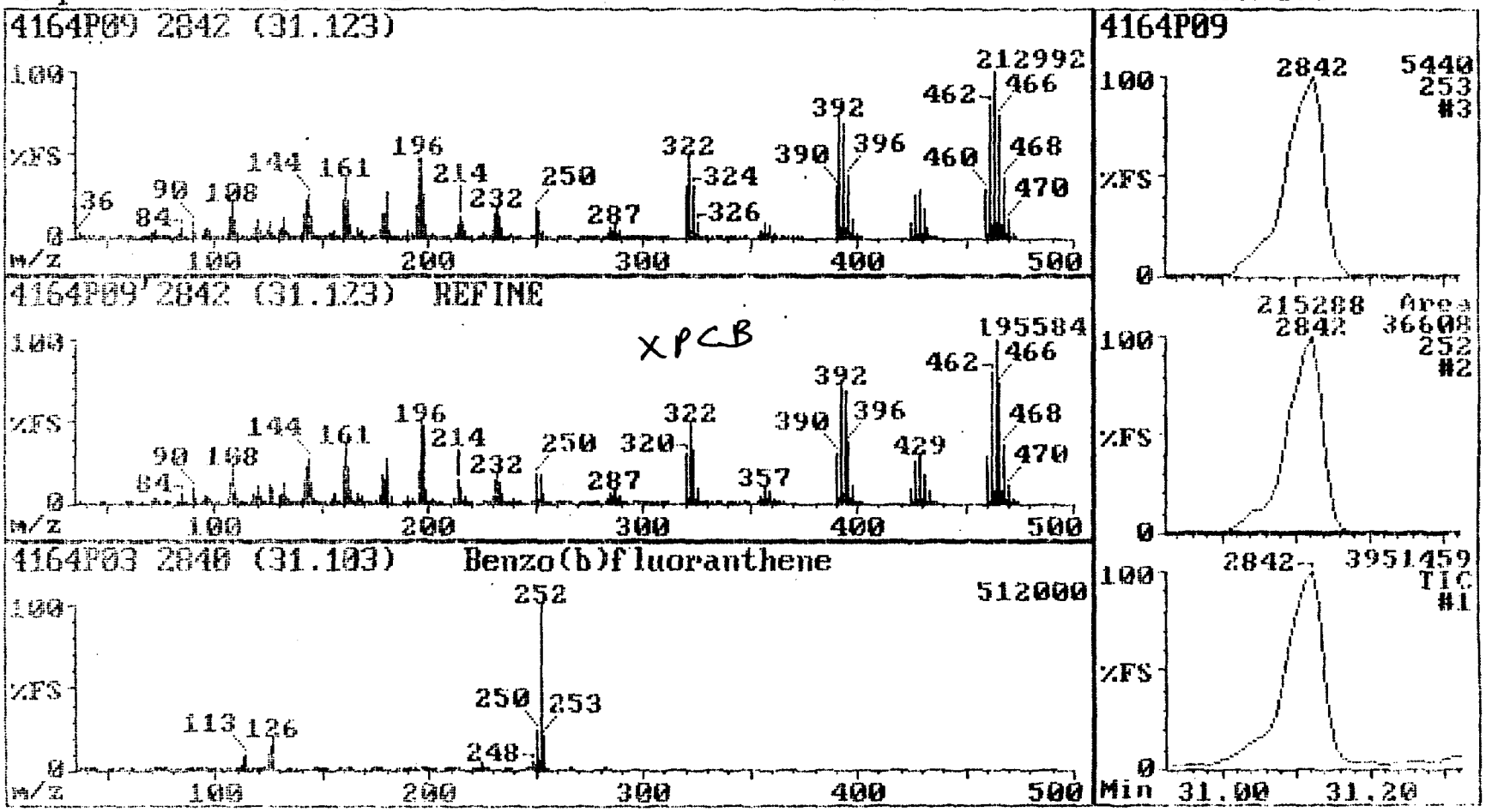
Sample:vial labelled 25160 RI ECOL HPN:5039



Ann 06/14/94

Interim Report LAB-BASE FIND 06/14/94 08:0

Raw Datafile : 4164P09 Quan DB : 4164P09
Find DB : SVS270 Scan DB : 4164P09

No.	Spectrum MAT	Scan FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	97	99	-1	762944	bv	758	759	152	1,4-Dichlorobenzene-d4
2	100	96	98	2	250636	b?	453	451	112	2-Fluorophenol
3	100	94	98	0	440098	bb	681	691	99	Phenol-d5
4	*** No Trace Found ***					*		76	42	N-Nitrosodimethylamine
5	100	92	97	0	487392	bv	684	684	94	Phenol
6	*** No Trace Found ***					*		681	93	Aniline
7	*** No Trace Found ***							702	93	bis(2-Chloroethyl)Ether
8	100	95	98	1	350940	bv	708	707	128	2-Chlorophenol
9	*** No Trace Found ***					*		743	146	1,3-Dichlorobenzene
10	100	92	98	0	264861	bb	762	762	146	1,4-Dichlorobenzene
11	*** No Trace Found ***					*		797	108	Benzyl alcohol
12	*** No Trace Found ***							797	146	1,2-Dichlorobenzene
13	*** No Trace Found ***							827	108	2-Methyphenol
14	*** No Trace Found ***							831	45	2,2'-oxybis(1-Chloropropan
15	*** No Trace Found ***							865	108	4-Methylphenol
16	100	95	97	-2	138454	bv	861	863	70	N-Nitroso-Di-n-Propylamine
17	*** No Trace Found ***					*		876	117	Hexachloroethane
18	100	93	96	0	353672	bv	704	704	132	2-Chlorophenol-d4
19	100	96	97	0	162581	bv	793	793	152	1,2-Dichlorobenzene-d4
20	100	94	98	-1	2996048	b?	1070	1071	136	Naphthalene-d8
21	100	94	98	-1	258902	b?	893	894	82	Nitrobenzene-d5
22	*** No Trace Found ***					*		898	77	Nitrobenzene
23	*** No Trace Found ***							960	82	Isophorone
24	*** No Trace Found ***							977	139	2-Nitrophenol
25	*** No Trace Found ***							995	107	2,4-Dimethylphenol
26	*** No Trace Found ***							1019	93	bis(2-Chloroethoxy)Methane
27	*** No Trace Found ***							1034	105	Benzoic acid
28	*** No Trace Found ***							1038	162	2,4-Dichlorophenol
29	100	97	98	0	226411	bv	1057	1057	180	1,2,4-Trichlorobenzene
30	*** No Trace Found ***					*		1075	128	Naphthalene
31	*** No Trace Found ***							1093	127	4-Chloroaniline
32	*** No Trace Found ***							1109	225	Hexachlorobutadiene
33	100	97	99	2	332154	bv	1223	1221	107	4-Chloro-3-Methylphenol
34	*** No Trace Found ***					*		1251	142	2-Methylnaphthalene
35	100	97	98	0	1491540	b?	1516	1516	164	Acenaphthene-d10
36	100	94	99	-1	508477	bv	1348	1349	172	2-Fluorobiphenyl
37	100	93	96	0	54228	bb	1718	1718	330	2,4,6-Tribromophenol
38	*** No Trace Found ***					*		1292	237	Hexachlorocyclopentadiene
39	*** No Trace Found ***							1326	196	2,4,6-Trichlorophenol
40	*** No Trace Found ***							1335	196	2,4,5-Trichlorophenol
41	*** No Trace Found ***							1375	163	2-Chloronaphthalene
42	*** No Trace Found ***							1405	65	2-Nitroaniline
43	*** No Trace Found ***							1457	163	Dimethylphthalate
44	*** No Trace Found ***							1479	152	Acenaphthylene
45	*** No Trace Found ***							1470	165	2,6-Dinitrotoluene
46	*** No Trace Found ***							1511	138	3-Nitroaniline
47	100	97	99	-1	375520	bv	1524	1525	153	Acenapthene
48	*** No Trace Found ***					*		1538	184	2,4-Dinitrophenol
49	78	82	87	5	20780	bv	1565	1560	109	4-Nitrophenol
50	*** No Trace Found ***							1570	168	Dibenzofuran
51	100	97	98	-1	108136	bv	1571	1572	165	2,4-Dinitrotoluene

54	*** No Trace Found ***								1657	166	Fluorene
55	*** No Trace Found ***								1666	138	4-Nitroaniline
56	100	93	97	0	2241545	bv	1896		1896	188	Phenanthrene-d10
57	*** No Trace Found ***							*	1675	198	4,6-Dinitro-2-Methylphenol
58	*** No Trace Found ***								1692	169	N-Nitrosodiphenylamine
59	*** No Trace Found ***								1702	77	1,2-Diphenylhydrazine
60	*** No Trace Found ***								1786	248	4-Bromophenyl-phenylether
61	*** No Trace Found ***								1797	284	Hexachlorobenzene
62	100	85	89	0	24848	bb	1849		1849	266	Pentachlorophenol
63	*** No Trace Found ***								1903	178	Phenanthrene
64	*** No Trace Found ***								1916	178	Anthracene
65	*** No Trace Found ***								1960	167	Carbazole
66	*** No Trace Found ***								2059	149	Di-n-Butylphthalate
67	*** No Trace Found ***								2208	202	Fluoranthene
68	57	33	91	5	475792	vv	2585		2580	240	Chrysene-d12
69	47	23	67	-2	218140	bv	2315		2317	244	Terphenyl-d14
70	*** No Trace Found ***								2252	184	Benzidine
71	100	87	99	-2	315852	bv	2268		2270	202	Pyrene
72	51	18	79	-2	14520	vb	2447		2449	149	Butylbenzylphthalate
73	46	23	76	5	170944	bb	2584		2579	252	3,3'-Dichlorobenzidine
	32	19	61	-7	122112	vb	2572				
74	*** No Trace Found ***								2582	228	Benzo(a)anthracene
75	*** No Trace Found ***								2591	228	Chrysene
76	*** No Trace Found ***								2601	149	bis(2-ethylhexyl)phthalate
77	93	56	93	0	413300	bv	2933		2933	264	Perylene-d12
78	56	23	84	3	34459	vb	2760		2757	149	Di-n-Octylphthalate
79	40	10	62	2	215288	vv	2842		2840	252	Benzo(b)fluoranthene
80	33	10	61	-5	215288	vv	2842		2847	252	Benzo(k)fluoranthene
81	*** No Trace Found ***								2919	252	Benzo(a)pyrene
82	*** No Trace Found ***								3265	276	Indeno(1,2,3-cd)pyrene
83	*** No Trace Found ***								3274	278	Dibenz(a,h)anthracene
84	*** No Trace Found ***								3366	276	Benzo(g,h,i)perylene
85	*** No Trace Found ***								79	79	Pyridine
86	*** No Trace Found ***								1094	162	2,6-Dichlorophenol
87	*** No Trace Found ***								1603	232	2,3,4,6-Tetrachlorophenol

4164909

✓ 06/14/94

QUAN DB : 4164F05 LAB-BASE QUAN 06/14/94 11:34

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	10.27	1.00	757	-2	97	99	754661	bv	152	1,4-Dichlorobenzene-d4	40.0	I
2	7.22	0.70	452	1	97	98	2828800	b?	112	2-Fluorophenol	120.0	S
3	9.51	0.93	681	1	97	98	3907084	bb	99	Phenol-d5	119.3	S
4	3.46	0.34	0	0	0	0	0		42	N-Nitrosodimethylamine	0.0	NR
5	9.55	0.93	0	0	0	0	0		94	Phenol	0.0	MC
6	9.52	0.93	0	0	0	0	0		93	Aniline	0.0	NR
7	9.73	0.95	0	0	0	0	0		93	bis(2-Chloroethyl)Ethe	0.0	
8	9.78	0.95	0	0	0	0	0		128	2-Chlorophenol	0.0	M
9	10.14	0.99	0	0	0	0	0		146	1,3-Dichlorobenzene	0.0	
10	10.33	1.01	0	0	0	0	0		146	1,4-Dichlorobenzene	0.0	MC
11	10.68	1.04	0	0	0	0	0		108	Benzyl alcohol	0.0	NR
12	10.68	1.04	0	0	0	0	0		146	1,2-Dichlorobenzene	0.0	
13	10.98	1.07	0	0	0	0	0		108	2-Methyphenol	0.0	
14	11.02	1.07	0	0	0	0	0		45	2,2'-oxybis(1-Chloropr	0.0	
15	11.36	1.11	0	0	0	0	0		108	4-Methylphenol	0.0	
16	11.34	1.10	0	0	0	0	0		70	N-Nitroso-Di-n-Propyla	0.0	MS
17	11.49	1.12	0	0	0	0	0		117	Hexachloroethane	0.0	
18	9.74	0.95	704	1	93	95	3257942	bv	132	2-Chlorophenol-d4	119.5	S
19	10.63	1.04	793	1	94	96	1358044	bv	152	1,2-Dichlorobenzene-d4	76.5	S
20	13.38	1.00	1068	-3	93	98	3084516	b?	136	Naphthalene-d8	40.0	I
21	11.63	0.87	893	1	95	97	2317132	b?	82	Nitrobenzene-d5	74.2	S
22	11.69	0.87	0	0	0	0	0		77	Nitrobenzene	0.0	
23	12.31	0.92	0	0	0	0	0		82	Isophorone	0.0	
24	12.48	0.93	0	0	0	0	0		139	2-Nitrophenol	0.0	
25	12.66	0.95	0	0	0	0	0		107	2,4-Dimethylphenol	0.0	CC
26	12.90	0.96	0	0	0	0	0		93	bis(2-Chloroethoxy)Met	0.0	
27	13.02	0.97	1032	0	96	97	1159897	bv	105	Benzoic acid	52.2	NR
28	13.09	0.98	0	0	0	0	0		162	2,4-Dichlorophenol	0.0	CC
29	13.28	0.99	0	0	0	0	0		180	1,2,4-Trichlorobenzene	0.0	M
30	13.46	1.01	0	0	0	0	0		128	Naphthalene	0.0	
31	13.64	1.02	0	0	0	0	0		127	4-Chloroaniline	0.0	
32	13.80	1.03	0	0	0	0	0		225	Hexachlorobutadiene	0.0	CC
33	14.92	1.12	0	0	0	0	0		107	4-Chloro-3-Methylpheno	0.0	MC
34	15.22	1.14	0	0	0	0	0		142	2-Methylnaphthalene	0.0	
35	17.84	1.00	1514	-2	96	98	1863345	bv	164	Acenaphthene-d10	40.0	I
36	16.17	0.91	1347	0	93	99	4378624	b?	172	2-Fluorobiphenyl	78.6	S
37	19.87	1.11	1717	1	88	97	1091424	b?	330	2,4,6-Tribromophenol	120.0	S
38	15.62	0.88	0	0	0	0	0		237	Hexachlorocyclopentadi	0.0	SP
39	15.96	0.89	0	0	0	0	0		196	2,4,6-Trichlorophenol	0.0	CC
40	16.05	0.90	0	0	0	0	0		196	2,4,5-Trichlorophenol	0.0	
41	16.45	0.92	0	0	0	0	0		162	2-Chloronaphthalene	0.0	
42	16.75	0.94	0	0	0	0	0		65	2-Nitroaniline	0.0	
43	17.27	0.97	0	0	0	0	0		163	Dimethylphthalate	0.0	
44	17.49	0.98	0	0	0	0	0		152	Acenaphthylene	0.0	
45	17.40	0.98	0	0	0	0	0		165	2,6-Dinitrotoluene	0.0	
46	17.81	1.00	0	0	0	0	0		138	3-Nitroaniline	0.0	
47	17.95	1.01	0	0	0	0	0		153	Acenapthene	0.0	MC
48	18.08	1.01	0	0	0	0	0		184	2,4-Dinitrophenol	0.0	SP
49	18.30	1.03	0	0	0	0	0		109	4-Nitrophenol	0.0	MS
50	18.40	1.03	0	0	0	0	0		168	Dibenzofuran	0.0	

06/14/94

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
51	18.42	1.03	0	0	0	0	0		165	2,4-Dinitrotoluene	0.0	M
52	19.09	1.07	0	0	0	0	0		149	Diethylphthalate	0.0	
53	19.31	1.08	0	0	0	0	0		204	4-Chlorophenyl-phenyle	0.0	
54	19.27	1.08	0	0	0	0	0		166	Fluorene	0.0	
55	19.36	1.09	0	0	0	0	0		138	4-Nitroaniline	0.0	
56	21.65	1.00	1895	-1	93	97	3234282	bv	188	Phenanthrene-d10	40.0	I
57	19.45	0.90	0	0	0	0	0		198	4,6-Dinitro-2-Methylph	0.0	
58	19.62	0.91	0	0	0	0	0		169	N-Nitrosodiphenylamine	0.0	CC
59	19.72	0.91	0	0	0	0	0		77	1,2-Diphenylhydrazine	0.0	NR
60	20.56	0.95	0	0	0	0	0		248	4-Bromophenyl-phenylet	0.0	
61	20.67	0.95	0	0	0	0	0		284	Hexachlorobenzene	0.0	
62	21.19	0.98	0	0	0	0	0		266	Pentachlorophenol	0.0	MC
63	21.73	1.00	0	0	0	0	0		178	Phenanthrene	0.0	
64	21.86	1.01	0	0	0	0	0		178	Anthracene	0.0	
65	22.30	1.03	0	0	0	0	0		167	Carbazole	0.0	
66	23.27	1.07	2057	-1	84	96	84914	bb	149	Di-n-Butylphthalate	1.0	
67	24.78	1.14	0	0	0	0	0		202	Fluoranthene	0.0	CC
68	28.47	1.00	2577	-3	91	97	1779672	b?	240	Chrysene-d12	40.0	I
69	25.81	0.91	2311	2	89	97	4704816	b?	244	Terphenyl-d14	91.4	S
70	25.18	0.88	0	0	0	0	0		184	Benzidine	0.0	NR
71	25.36	0.89	0	0	0	0	0		202	Pyrene	0.0	M
72	27.14	0.95	0	0	0	0	0		149	Butylbenzylphthalate	0.0	
73	28.44	1.00	0	0	0	0	0		252	3,3'-Dichlorobenzidine	0.0	
74	28.47	1.00	0	0	0	0	0		228	Benzo(a)anthracene	0.0	
75	28.56	1.00	0	0	0	0	0		228	Chrysene	0.0	
76	28.64	1.01	2594	1	59	89	18980	M	149	bis(2-ethylhexyl)phtha	0.5	
77	32.01	1.00	2931	-2	85	94	1040804	bv	264	Perylene-d12	40.0	I
78	30.27	0.95	0	0	0	0	0		149	Di-n-Octylphthalate	0.0	CC
79	31.10	0.97	0	0	0	0	0		252	Benzo(b)fluoranthene	0.0	
80	31.17	0.97	0	0	0	0	0		252	Benzo(k)fluoranthene	0.0	
81	31.89	1.00	0	0	0	0	0		252	Benzo(a)pyrene	0.0	CC
82	35.35	1.10	0	0	0	0	0		276	Indeno(1,2,3-cd)pyrene	0.0	
83	35.44	1.11	0	0	0	0	0		278	Dibenz(a,h)anthracene	0.0	
84	36.36	1.14	0	0	0	0	0		276	Benzo(g,h,i)perylene	0.0	
85	3.49	0.34	0	0	0	0	0		79	Pyridine	0.0	
86	13.65	1.02	0	0	0	0	0		162	2,6-Dichlorophenol	0.0	
87	18.73	1.05	0	0	0	0	0		232	2,3,4,6-Tetrachlorophe	0.0	

4164P05

Datafile : 4164P05

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-Dichlorobenzene-d4	394934	754661	1579736
Naphthalene-d8	1624308	3084516	6497232
Acenaphthene-d10	968074	1863345	3872296
Phenanthrene-d10	1630933	3234282	6523732
Chrysene-d12	953605	1779672	3814418
Perylene-d12	604504	1040804	2418016

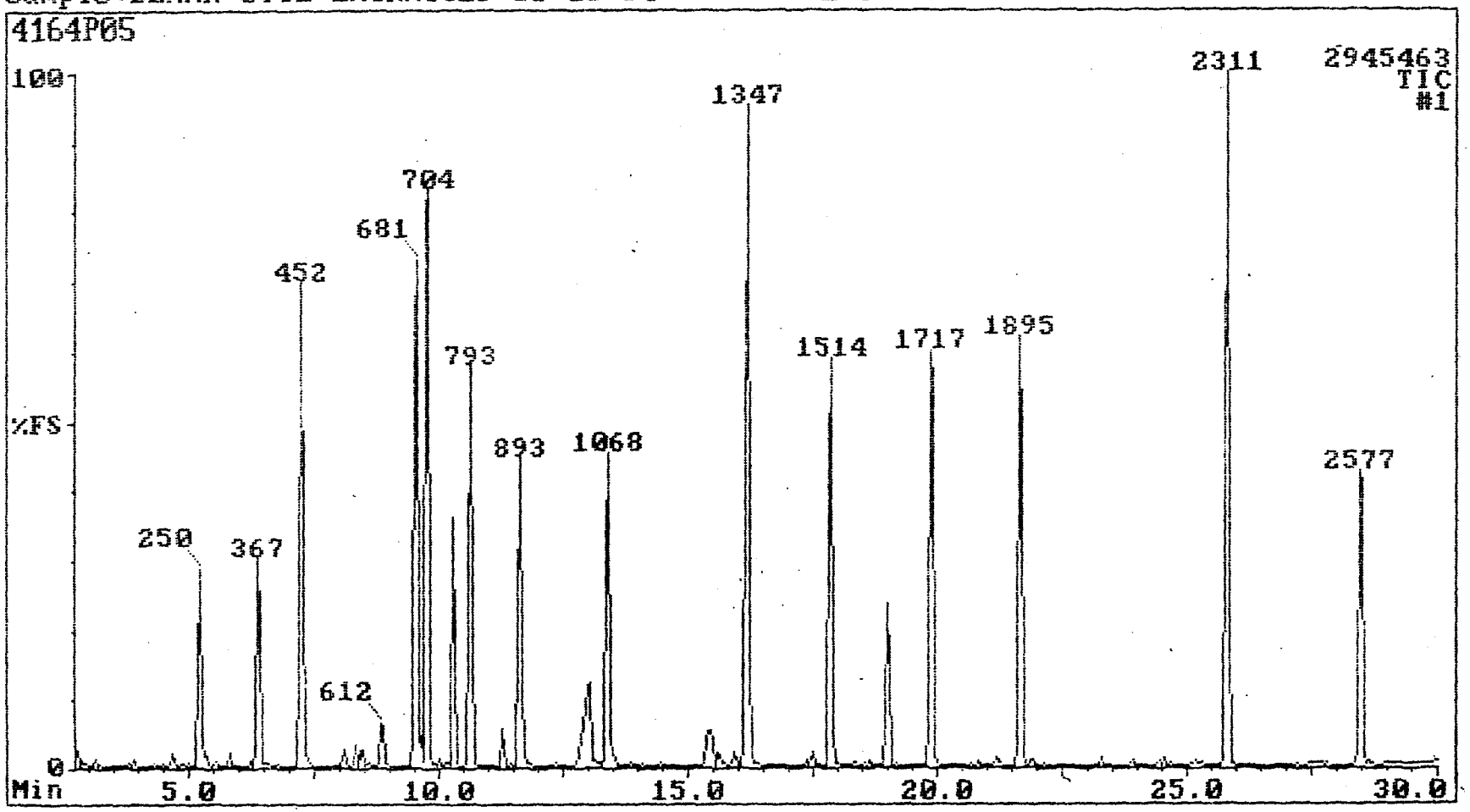
Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-Dichlorobenzene-d4	10.29	10.27
Naphthalene-d8	13.41	13.38
Acenaphthene-d10	17.86	17.84
Phenanthrene-d10	21.66	21.65
Chrysene-d12	28.50	28.47
Perylene-d12	32.03	32.01

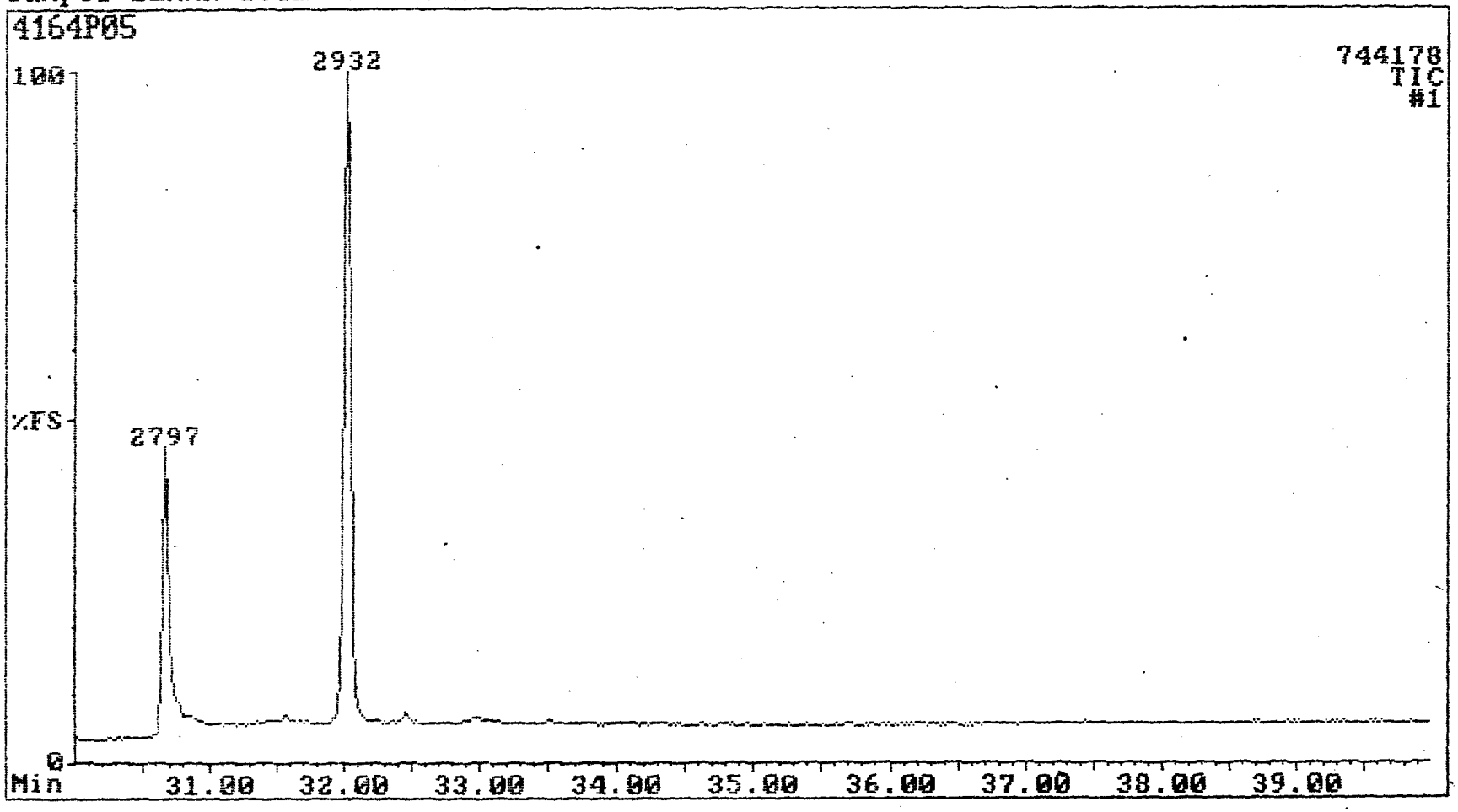
Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS SOIL	LIMITS WATER	FLAGS	AREA
2-Fluorophenol	120	80.0	(25-121)	(21-110)	b?	2828800
Phenol-d5	119	79.5	(24-113)	(10-110)	bb	3907084
2-Chlorophenol-d4	120	79.7	(20-130)	(33-110)	bv	3257942
1,2-Dichlorobenzene-d4	76	76.5	(20-130)	(16-110)	bv	1358044
Nitrobenzene-d5	74	74.2	(23-120)	(35-114)	b?	2317132
2-Fluorobiphenyl	77	76.6	(30-115)	(43-116)	b?	4378624
2,4,6-Tribromophenol	120	80.0	(19-122)	(10-123)	b?	1091424
Terphenyl-d14	91	91.4	(18-137)	(33-141)	b?	4704816

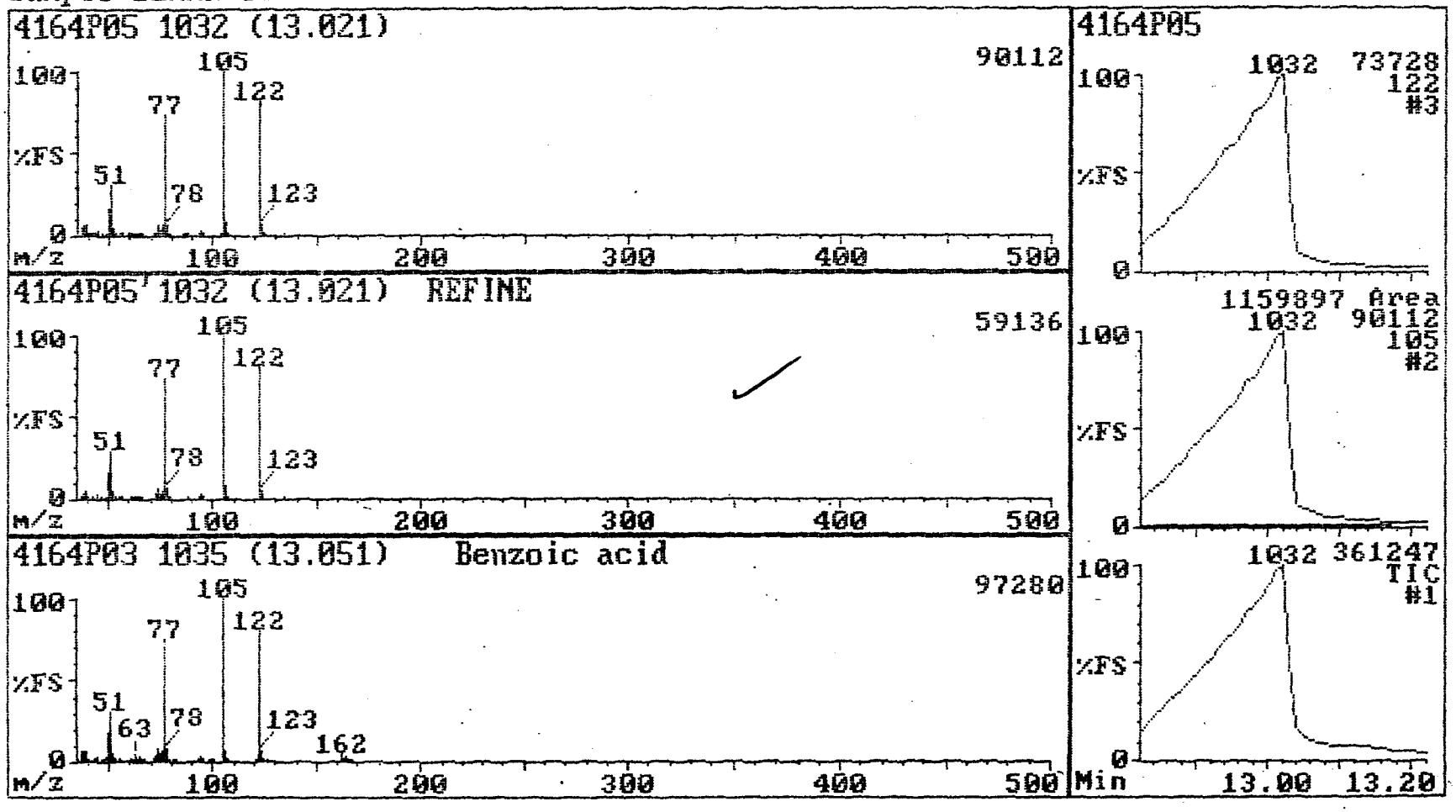
4164P05 06/13/94 15:32 VGTrio1A G. Maisel
Sample:BLANK SOIL EXTRACTED 06/10/94 ECOL HPN:5037



4164P05 06/13/94 15:32 VGTrio1A G. Maisel
Sample:BLANK SOIL EXTRACTED 06/10/94 ECOL HPN:5037



4164P05 06/13/94 15:32 VGTrio1A G. Maisel
Sample:BLANK SOIL EXTRACTED 06/10/94 ECOL HPN:5037



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Hnm
06/13/94

Interim Report LAB-BASE FIND 06/13/94 17:02

Raw Datafile : 4164P05 Quan DB : 4164P05
Find DB : SV8270 Scan DB :

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	97	99	-2	754661	bv	757	759	152	1,4-Dichlorobenzene-d4
2	100	97	98	1	2828800	b?	452	451	112	2-Fluorophenol
3	100	97	98	1	3907084	bb	681	680	99	Phenol-d5
4	*** No Trace Found ***					*		75	42	N-Nitrosodimethylamine
5	*** No Trace Found ***							683	94	Phenol
6	*** No Trace Found ***							680	93	Aniline
7	*** No Trace Found ***							701	93	bis(2-Chloroethyl)Ether
8	*** No Trace Found ***							706	128	2-Chlorophenol
9	*** No Trace Found ***							742	146	1,3-Dichlorobenzene
10	*** No Trace Found ***							761	146	1,4-Dichlorobenzene
11	*** No Trace Found ***							796	108	Benzyl alcohol
12	*** No Trace Found ***							796	146	1,2-Dichlorobenzene
13	*** No Trace Found ***							826	108	2-Methyphenol
14	*** No Trace Found ***							830	45	2,2'-oxybis(1-Chloropropan
15	*** No Trace Found ***							864	108	4-Methylphenol
16	*** No Trace Found ***							862	70	N-Nitroso-Di-n-Propylamine
17	*** No Trace Found ***							877	117	Hexachloroethane
18	100	93	95	1	3257942	bv	704	703	132	2-Chlorophenol-d4
19	100	94	96	1	1358044	bv	793	792	152	1,2-Dichlorobenzene-d4
20	100	93	98	-3	3084516	b?	1068	1071	136	Naphthalene-d8
21	100	95	97	1	2317132	b?	893	892	82	Nitrobenzene-d5
22	*** No Trace Found ***					*		896	77	Nitrobenzene
23	*** No Trace Found ***							958	82	Isophorone
24	*** No Trace Found ***							975	139	2-Nitrophenol
25	*** No Trace Found ***							993	107	2,4-Dimethylphenol
26	*** No Trace Found ***							1017	93	bis(2-Chloroethoxy)Methane
27	100	96	97	0	1159897	bv	1032	1032	105	Benzoic acid
28	*** No Trace Found ***					*		1036	162	2,4-Dichlorophenol
29	*** No Trace Found ***							1055	180	1,2,4-Trichlorobenzene
30	*** No Trace Found ***							1073	128	Naphthalene
31	*** No Trace Found ***							1091	127	4-Chloroaniline
32	*** No Trace Found ***							1107	225	Hexachlorobutadiene
33	*** No Trace Found ***							1219	107	4-Chloro-3-Methylphenol
34	*** No Trace Found ***							1249	142	2-Methylnaphthalene
35	100	96	98	-2	1863345	bv	1514	1516	164	Acenaphthene-d10
36	100	93	99	0	4378624	b?	1347	1347	172	2-Fluorobiphenyl
37	100	88	97	1	1091424	b?	1717	1716	330	2,4,6-Tribromophenol
38	*** No Trace Found ***					*		1290	237	Hexachlorocyclopentadiene
39	*** No Trace Found ***							1324	196	2,4,6-Trichlorophenol
40	*** No Trace Found ***							1333	196	2,4,5-Trichlorophenol
41	*** No Trace Found ***							1373	162	2-Chloronaphthalene
42	*** No Trace Found ***							1403	65	2-Nitroaniline
43	*** No Trace Found ***							1455	163	Dimethylphthalate
44	*** No Trace Found ***							1477	152	Acenaphthylene
45	*** No Trace Found ***							1468	165	2,6-Dinitrotoluene
46	*** No Trace Found ***							1509	138	3-Nitroaniline
47	*** No Trace Found ***							1523	153	Acenapthene
48	*** No Trace Found ***							1536	184	2,4-Dinitrophenol
49	*** No Trace Found ***							1558	109	4-Nitrophenol
50	*** No Trace Found ***							1568	168	Dibenzofuran
51	*** No Trace Found ***							1570	165	2,4-Dinitrotoluene

[illegible]	***	No	Trace	Found	***				1637	149	Diethylphthalate
53	***	No	Trace	Found	***				1659	204	4-Chlorophenyl-phenylether
54	***	No	Trace	Found	***				1655	166	Fluorene
55	***	No	Trace	Found	***				1664	138	4-Nitroaniline
56	100	93	97	-1	3234282	bv		1895	1896	188	Phenanthrene-d10
57	***	No	Trace	Found	***		*		1674	198	4,6-Dinitro-2-Methylphenol
58	***	No	Trace	Found	***				1691	169	N-Nitrosodiphenylamine
59	***	No	Trace	Found	***				1701	77	1,2-Diphenylhydrazine
60	***	No	Trace	Found	***				1785	248	4-Bromophenyl-phenylether
61	***	No	Trace	Found	***				1796	284	Hexachlorobenzene
62	***	No	Trace	Found	***				1848	266	Pentachlorophenol
63	***	No	Trace	Found	***				1902	178	Phenanthrene
64	***	No	Trace	Found	***				1915	178	Anthracene
65	***	No	Trace	Found	***				1959	167	Carbazole
66	100	84	96	-1	84914	bb		2057	2058	149	Di-n-Butylphthalate
67	***	No	Trace	Found	***				2207	202	Fluoranthene
68	99	91	97	-3	1779672	b?		2577	2580	240	Chrysene-d12
69	100	89	97	2	4704816	b?		2311	2309	244	Terphenyl-d14
70	***	No	Trace	Found	***		*		2245	184	Benzidine
71	***	No	Trace	Found	***				2263	202	Pyrene
72	***	No	Trace	Found	***				2441	149	Butylbenzylphthalate
73	***	No	Trace	Found	***				2571	252	3,3'-Dichlorobenzidine
74	***	No	Trace	Found	***				2574	228	Benzo(a)anthracene
75	***	No	Trace	Found	***				2583	228	Chrysene
76	88	59	89	1	22012	bv		2594	2593	149	bis(2-ethylhexyl)phthalate
77	100	85	94	-2	1040804	bv		2931	2933	264	Perylene-d12
78	***	No	Trace	Found	***				2755	149	Di-n-Octylphthalate
79	***	No	Trace	Found	***				2838	252	Benzo(b)fluoranthene
80	***	No	Trace	Found	***				2845	252	Benzo(k)fluoranthene
81	***	No	Trace	Found	***				2917	252	Benzo(a)pyrene
82	***	No	Trace	Found	***				3263	276	Indeno(1,2,3-cd)pyrene
83	***	No	Trace	Found	***				3272	278	Dibenz(a,h)anthracene
84	***	No	Trace	Found	***				3364	276	Benzo(g,h,i)perylene
85	***	No	Trace	Found	***				78	79	Pyridine
86	***	No	Trace	Found	***				1092	162	2,6-Dichlorophenol
87	***	No	Trace	Found	***				1601	232	2,3,4,6-Tetrachlorophenol

4164P05

DAILY CALIBRATION CHECK

DATE : 06/13/94

TIME : 14:39

LAB FILE ID: 4164P03

	COMPOUND	FLAG	RF MEAN	RF 50	%D
4	N-Nitrosodimethylamine	NR	0.402	0.429	-6.7
5	Phenol	MCCC	1.934	1.988	-2.8
6	Aniline	NR	2.353	2.023	14.0
7	bis(2-Chloroethyl)Ether		1.478	1.672	-13.1
8	2-Chlorophenol	M	1.386	1.467	-5.9
9	1,3-Dichlorobenzene		1.492	1.515	-1.5
10	1,4-Dichlorobenzene	MCCC	1.486	1.520	-2.3
11	Benzyl alcohol	NR	0.864	0.920	-6.4
12	1,2-Dichlorobenzene		1.437	1.465	-1.9
13	2-Methyphenol		1.397	1.491	-6.7
14	2,2'-oxybis(1-Chloropropane)		1.015	1.283	-26.3*
15	4-Methylphenol		1.446	1.582	-9.4
16	N-Nitroso-Di-n-Propylamine	MSPCC	0.985	0.989	-0.4
17	Hexachloroethane		0.637	0.647	-1.5
22	Nitrobenzene		0.441	0.402	8.9
23	Isophorone		0.744	0.736	1.2
24	2-Nitrophenol		0.179	0.201	-11.8
25	2,4-Dimethylphenol	CCC	0.381	0.363	4.8
26	bis(2-Chloroethoxy)Methane		0.505	0.493	2.5
27	Benzoic acid	NR	0.187	0.288	-54.5*
28	2,4-Dichlorophenol	CCC	0.300	0.290	3.2
29	1,2,4-Trichlorobenzene	M	0.353	0.314	11.0
30	Naphthalene		1.129	1.138	-0.8
31	4-Chloroaniline		0.477	0.471	1.2
32	Hexachlorobutadiene	CCC	0.178	0.166	6.5
33	4-Chloro-3-Methylphenol	MCCC	0.323	0.352	-9.0
34	2-Methylnaphthalene		0.684	0.717	-4.7
38	Hexachlorocyclopentadiene	SPCC	0.341	0.362	-6.3
39	2,4,6-Trichlorophenol	CCC	0.368	0.364	1.0
40	2,4,5-Trichlorophenol		0.391	0.435	-11.2
41	2-Chloronaphthalene		1.136	1.127	0.8
42	2-Nitroaniline		0.353	0.368	-4.3
43	Dimethylphthalate		1.153	1.232	-6.8
44	Acenaphthylene		1.700	1.779	-4.6
45	2,6-Dinitrotoluene		0.263	0.298	-13.3
46	3-Nitroaniline		0.286	0.313	-9.6
47	Acenapthene	MCCC	1.176	1.213	-3.1
48	2,4-Dinitrophenol	SPCC	0.090	0.153	-71.0*
49	4-Nitrophenol	MSPCC	0.111	0.142	-27.7*
50	Dibenzofuran		1.550	1.614	-4.1
51	2,4-Dinitrotoluene	M	0.328	0.385	-17.3
52	Diethylphthalate		1.068	1.157	-8.4
53	4-Chlorophenyl-phenylether		0.579	0.614	-5.9
54	Fluorene		1.177	1.239	-5.3
55	4-Nitroaniline		0.250	0.269	-7.5
57	4,6-Dinitro-2-Methylphenol		0.090	0.124	-37.4*
58	N-Nitrosodiphenylamine	CCC	0.318	0.267	16.0
59	1,2-Diphenylhydrazine	NR	0.909	0.885	2.7

Passes 8270A criteria

✓ Anm 06/13/94

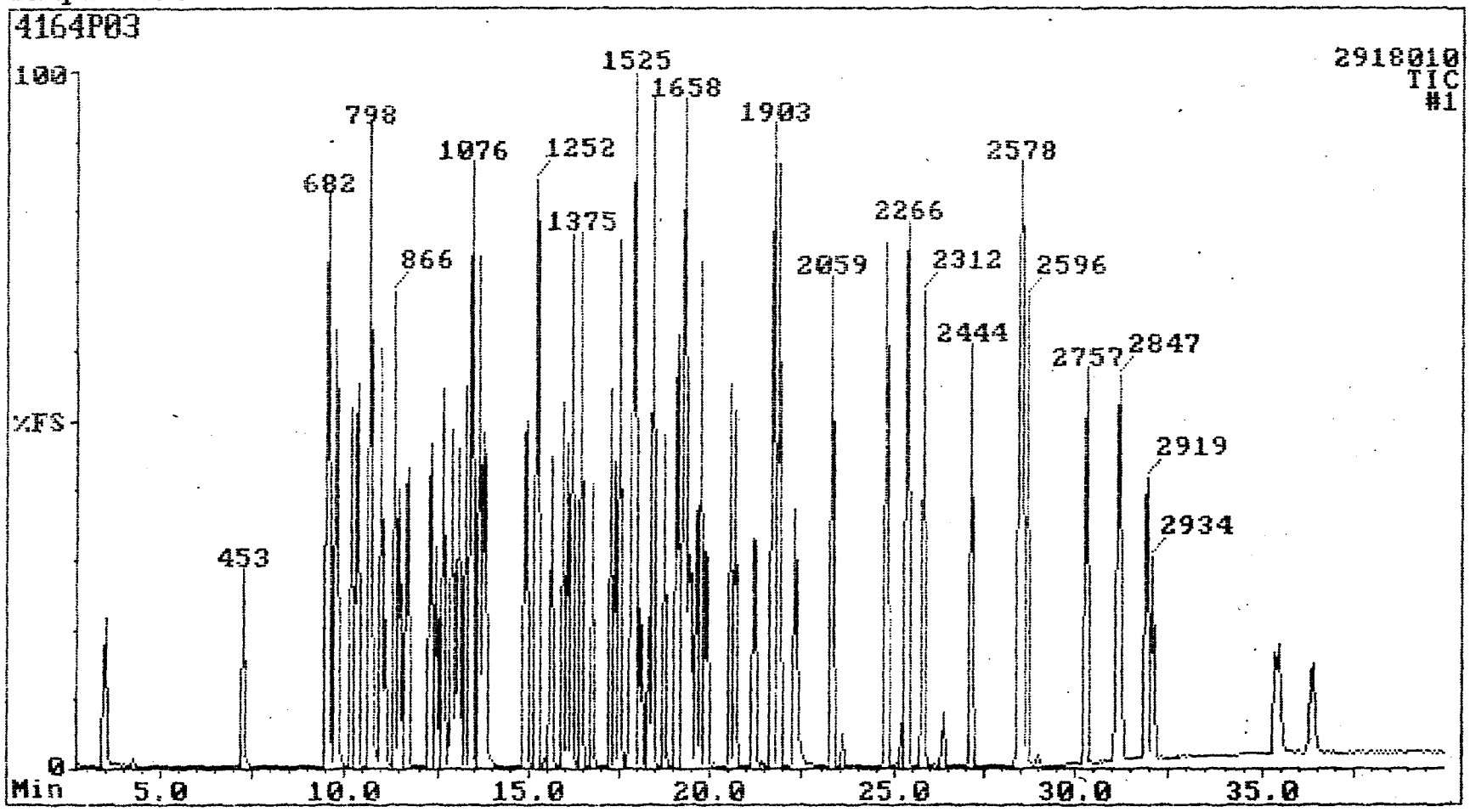
61	Hexachlorobenzene		0.[illegible]	0.228	-0.8
62	Pentachlorophenol	MCCC	0.104	0.124	-18.7 ✓
63	Phenanthrene		1.033	1.032	0.1
64	Anthracene		1.041	1.053	-1.2
65	Carbazole		0.868	0.767	11.7
66	Di-n-Butylphthalate		1.063	1.086	-2.2
67	Fluoranthene	CCC	0.955	0.954	0.1 ✓
70	Benzidine	NR	0.427	0.159	62.8*
71	Pyrene	M	1.707	1.670	2.2
72	Butylbenzylphthalate		0.695	0.676	2.7
73	3,3'-Dichlorobenzidine		0.409	0.258	36.7*
74	Benzo(a)anthracene		1.339	1.335	0.3
75	Chrysene		1.214	1.213	0.1
76	bis(2-ethylhexyl)phthalate		0.958	0.866	9.5
78	Di-n-Octylphthalate	CCC	2.128	2.087	1.9 ✓
79	Benzo(b)fluoranthene		1.643	1.696	-3.3
80	Benzo(k)fluoranthene		1.779	1.720	3.3
81	Benzo(a)pyrene	CCC	1.404	1.492	-6.3 ✓
82	Indeno(1,2,3-cd)pyrene		1.337	1.175	12.1
83	Dibenz(a,h)anthracene		0.988	0.906	8.4
84	Benzo(g,h,i)perylene		1.161	0.878	24.3*
85	Pyridine		1.230	0.991	19.4
86	2,6-Dichlorophenol		0.297	0.292	1.4
87	2,3,4,6-Tetrachlorophenol		0.251	0.317	-25.9*
2	2-Fluorophenol	S	1.299	1.249	3.9
3	Phenol-d5	S	1.704	1.737	-1.9
18	2-Chlorophenol-d4	S	1.352	1.444	-6.9
19	1,2-Dichlorobenzene-d4	S	0.915	0.941	-2.9
21	Nitrobenzene-d5	S	0.436	0.405	7.2
36	2-Fluorobiphenyl	S	1.253	1.226	2.1
37	2,4,6-Tribromophenol	S	0.158	0.195	-23.4* ←
69	Terphenyl-d14	S	1.103	1.157	-5.0

! = FAILS METHOD CALIBRATION CRITERIA
SPCC RF > 0.050
CCC Difference < 30
* = Exceeds calibration warning limits
Difference < 20

4164P03

4164P03 06/13/94 13:52 VGTrio1A G. Maisel

Sample:SSTD050 - 496-61-2 (vial 1) HPN:



QUAN DB : 4164F03 LAB-BASE QUAN 06/13/94 15:30

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
1	10.29	1.00	759	-3	95	99	789868	bb	152	1,4-Dichlorobenzene-d4	40.0	I
2	7.22	0.70	452	1	97	98	1233552	b?	112	2-Fluorophenol	50.0	S
3	9.52	0.93	682	1	65	90	1714523	bv	99	Phenol-d5	50.0	S
4	3.46	0.34	76	3	93	99	423536	bv	42	N-Nitrosodimethylamine	50.0	NR
5	9.55	0.93	685	1	92	95	1962544	bb	94	Phenol	50.0	MC
6	9.52	0.93	682	1	78	95	1996946	M	93	Aniline	50.0	NR
7	9.73	0.95	703	0	67	95	1650528	M	93	bis(2-Chloroethyl)Ethe	50.0	
8	9.78	0.95	708	0	95	98	1448748	bb	128	2-Chlorophenol	50.0	M
9	10.14	0.99	744	0	98	99	1495906	bb	146	1,3-Dichlorobenzene	50.0	
10	10.33	1.00	763	0	97	99	1500930	bv	146	1,4-Dichlorobenzene	50.0	MC
11	10.68	1.04	798	1	87	91	908276	b?	108	Benzyl alcohol	50.0	NR
12	10.68	1.04	798	0	65	86	1446716	bv	146	1,2-Dichlorobenzene	50.0	
13	10.98	1.07	828	1	96	99	1471868	M	108	2-Methyphenol	50.0	
14	11.02	1.07	832	0	77	96	1266303	bv	45	2,2'-oxybis(1-Chloropr	50.0	
15	11.36	1.10	866	0	93	97	1561868	v?	108	4-Methylphenol	50.0	
16	11.34	1.10	864	0	70	98	976967	bv	70	N-Nitroso-Di-n-Propyla	50.0	MS
17	11.49	1.12	879	0	96	98	638504	bb	117	Hexachloroethane	50.0	
18	9.75	0.95	705	1	80	91	1426165	bv	132	2-Chlorophenol-d4	50.0	S
19	10.64	1.03	794	0	92	96	929344	bb	152	1,2-Dichlorobenzene-d4	50.0	S
20	13.41	1.00	1071	-4	93	98	3248616	bv	136	Naphthalene-d8	40.0	I
21	11.65	0.87	895	0	92	98	1643710	b?	82	Nitrobenzene-d5	50.0	S
22	11.69	0.87	899	0	96	99	1632980	vb	77	Nitrobenzene	50.0	
23	12.31	0.92	961	0	96	98	2988114	bv	82	Isophorone	50.0	
24	12.48	0.93	978	1	98	99	815003	bv	139	2-Nitrophenol	50.0	
25	12.66	0.94	996	1	97	99	1473296	bb	107	2,4-Dimethylphenol	50.0	CC
26	12.90	0.96	1020	0	91	99	2000001	bv	93	bis(2-Chloroethoxy)Met	50.0	
27	13.05	0.97	1035	5	96	97	1170947	vv	105	Benzoic acid	50.0	NR
28	13.09	0.98	1039	1	94	98	1178718	b?	162	2,4-Dichlorophenol	50.0	CC
29	13.28	0.99	1058	0	96	99	1275425	bv	180	1,2,4-Trichlorobenzene	50.0	M
30	13.46	1.00	1076	0	97	99	4621440	bb	128	Naphthalene	50.0	
31	13.64	1.02	1094	0	85	93	1912586	M	127	4-Chloroaniline	50.0	
32	13.80	1.03	1110	0	91	99	676056	bv	225	Hexachlorobutadiene	50.0	CC
33	14.92	1.11	1222	1	96	99	1428093	bv	107	4-Chloro-3-Methylpheno	50.0	MC
34	15.22	1.13	1252	1	95	98	2910588	bb	142	2-Methylnaphthalene	50.0	
35	17.86	1.00	1516	-5	95	98	1936148	bv	164	Acenaphthene-d10	40.0	I
36	16.19	0.91	1349	1	93	99	2968274	bv	172	2-Fluorobiphenyl	50.0	S
37	19.88	1.11	1718	1	87	97	472344	bv	330	2,4,6-Tribromophenol	50.0	S
38	15.62	0.87	1292	-1	90	96	876680	bv	237	Hexachlorocyclopentadi	50.0	SP
39	15.96	0.89	1326	1	94	99	880639	bv	196	2,4,6-Trichlorophenol	50.0	CC
40	16.05	0.90	1335	2	93	98	1052074	v?	196	2,4,5-Trichlorophenol	50.0	
41	16.45	0.92	1375	1	96	98	2727958	bb	162	2-Chloronaphthalene	50.0	
42	16.75	0.94	1405	1	98	98	890135	bv	65	2-Nitroaniline	50.0	
43	17.27	0.97	1457	1	97	99	2980559	bv	163	Dimethylphthalate	50.0	
44	17.49	0.98	1479	0	97	99	4304674	b?	152	Acenaphthylene	50.0	
45	17.40	0.97	1470	1	96	99	720744	vv	165	2,6-Dinitrotoluene	50.0	
46	17.81	1.00	1511	2	97	98	757207	bv	138	3-Nitroaniline	50.0	
47	17.95	1.00	1525	0	98	99	2934796	bb	153	Acenapthene	50.0	MC
48	18.08	1.01	1538	0	95	98	371176	bv	184	2,4-Dinitrophenol	50.0	SP
49	18.30	1.02	1560	3	97	98	344129	M	109	4-Nitrophenol	50.0	MS
50	18.40	1.03	1570	1	89	98	3906986	bv	168	Dibenzofuran	50.0	

No	RT	RRT	Scan	Del	FOR	REV	Area	P.	QM	Name	Conc	U.
51	18.42	1.03	1572	1	74	98	931924	bv	165	2,4-Dinitrotoluene	50.0	M
52	19.09	1.07	1639	0	96	99	2800708	bb	149	Diethylphthalate	50.0	
53	19.31	1.08	1661	-1	89	98	1485068	bv	204	4-Chlorophenyl-phenyle	50.0	
54	19.27	1.08	1657	0	95	98	2998297	bv	166	Fluorene	50.0	
55	19.36	1.08	1666	1	97	99	651084	M	138	4-Nitroaniline	50.0	
56	21.66	1.00	1896	-6	93	97	3261866	bv	188	Phenanthrene-d10	40.0	I
57	19.45	0.90	1675	0	91	98	507036	bv	198	4,6-Dinitro-2-Methylph	50.0	
58	19.62	0.91	1692	0	93	98	1090568	bv	169	N-Nitrosodiphenylamine	50.0	CC
59	19.72	0.91	1702	1	95	98	3606824	M	77	1,2-Diphenylhydrazine	50.0	NR
60	20.56	0.95	1786	1	93	97	860092	bv	248	4-Bromophenyl-phenylet	50.0	
61	20.67	0.95	1797	0	93	98	927958	bb	284	Hexachlorobenzene	50.0	
62	21.19	0.98	1849	1	85	98	503796	b?	266	Pentachlorophenol	50.0	MC
63	21.73	1.00	1903	1	95	97	4209341	bv	178	Phenanthrene	50.0	
64	21.86	1.01	1916	1	96	98	4291966	v?	178	Anthracene	50.0	
65	22.30	1.03	1960	1	94	97	3125361	M	167	Carbazole	50.0	
66	23.29	1.08	2059	1	94	99	4428513	bv	149	Di-n-Butylphthalate	50.0	
67	24.78	1.14	2208	1	95	98	3889841	bv	202	Fluoranthene	50.0	CC
68	28.50	1.00	2580	-6	68	95	1907209	bv	240	Chrysene-d12	40.0	I
69	25.82	0.91	2312	-1	88	97	2759007	bv	244	Terphenyl-d14	50.0	S
70	25.18	0.88	2248	0	90	99	378748	M	184	Benzidine	50.0	NR
71	25.36	0.89	2266	-1	95	98	3982448	v?	202	Pyrene	50.0	M
72	27.14	0.95	2444	0	96	99	1612772	bv	149	Butylbenzylphthalate	50.0	
73	28.44	1.00	2574	0	48	97	616190	bv	252	3,3'-Dichlorobenzidine	50.0	
74	28.47	1.00	2577	-1	85	99	3183070	bv	228	Benzo(a)anthracene	50.0	
75	28.56	1.00	2586	-1	94	98	2892146	v?	228	Chrysene	50.0	
76	28.66	1.01	2596	0	94	98	2065634	bb	149	bis(2-ethylhexyl)phtha	50.0	
77	32.03	1.00	2933	-8	84	95	1209008	b?	264	Perylene-d12	40.0	I
78	30.27	0.95	2757	0	94	99	3154067	bv	149	Di-n-Octylphthalate	50.0	CC
79	31.10	0.97	2840	8	92	98	2563620	M	252	Benzo(b)fluoranthene	50.0	
80	31.17	0.97	2847	1	93	98	2600003	M	252	Benzo(k)fluoranthene	50.0	
81	31.89	1.00	2919	0	91	98	2255393	bv	252	Benzo(a)pyrene	50.0	CC
82	35.35	1.10	3265	-5	82	95	1775651	bv	276	Indeno(1,2,3-cd)pyrene	50.0	
83	35.44	1.11	3274	-5	84	98	1368978	bv	278	Dibenz(a,h)anthracene	50.0	
84	36.36	1.14	3366	-7	80	99	1327590	vv	276	Benzo(g,h,i)perylene	50.0	
85	3.49	0.34	79	2	96	100	978848	b?	79	Pyridine	50.0	
86	13.65	1.02	1095	0	83	88	1187172	bv	162	2,6-Dichlorophenol	50.0	
87	18.73	1.05	1603	1	91	100	766203	bv	232	2,3,4,6-Tetrachlorophe	50.0	

4164P03

✓ Jnm 06/13/94

Interim Report LAB-BASE FIND 06/13/94 14:32

Raw Datafile : 4164P03 Quan DB : 4164P03
Find DB : SV8270 Scan DB :

No.	MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	95	99	-3	789868	bb	759	762	152	1,4-Dichlorobenzene-d4
2	100	97	98	1	1233552	b?	452	451	112	2-Fluorophenol
3	97	65	90	1	1714523	bv	682	681	99	Phenol-d5
4	100	93	99	3	423536	bv	76	73	42	N-Nitrosodimethylamine
5	100	92	95	1	1962544	bb	685	684	94	Phenol
6	100	78	95	1	1907732	bv	682	681	93	Aniline
7	100	67	95	0	1457163	bv	703	703	93	bis(2-Chloroethyl)Ether
8	100	95	98	0	1448748	bb	708	708	128	2-Chlorophenol
9	100	98	99	0	1495906	bb	744	744	146	1,3-Dichlorobenzene
10	100	97	99	0	1500930	bv	763	763	146	1,4-Dichlorobenzene
11	100	87	91	1	908276	b?	798	797	108	Benzyl alcohol
12	94	65	86	0	1446716	bv	798	798	146	1,2-Dichlorobenzene
13	100	96	99	1	1464896	b?	829	827	108	2-Methyphenol
14	100	77	96	0	1266303	bv	832	832	45	2,2'-oxybis(1-Chloropropan
	70	66	96	6	578196	!v	838			
15	100	93	97	0	1561868	v?	866	866	108	4-Methylphenol
16	100	70	98	0	976967	bv	864	864	70	N-Nitroso-Di-n-Propylamine
17	100	96	98	0	638504	bb	879	879	117	Hexachloroethane
18	100	80	91	1	1426165	bv	705	704	132	2-Chlorophenol-d4
19	100	92	96	0	929344	bb	794	794	152	1,2-Dichlorobenzene-d4
20	88	93	98	-4	3248616	bv	1071	1075	136	Naphthalene-d8
21	100	92	98	0	1643710	b?	895	895	82	Nitrobenzene-d5
22	100	96	99	0	1632980	vb	899	899	77	Nitrobenzene
23	100	96	98	0	2988114	bv	961	961	82	Isophorone
24	100	98	99	1	815003	bv	978	977	139	2-Nitrophenol
25	100	97	99	1	1473296	bb	996	995	107	2,4-Dimethylphenol
26	100	91	99	0	2000001	bv	1020	1020	93	bis(2-Chloroethoxy)Methane
27	89	96	97	5	1170947	vv	1035	1030	105	Benzoic acid
28	100	94	98	1	1178718	b?	1039	1038	162	2,4-Dichlorophenol
29	100	96	99	0	1275425	bv	1058	1058	180	1,2,4-Trichlorobenzene
30	100	97	99	0	4621440	bb	1076	1076	128	Naphthalene
31	100	85	93	0	1428526	bv	1094	1094	127	4-Chloroaniline tailing
32	100	91	99	0	676056	bv	1110	1110	225	Hexachlorobutadiene
33	100	96	99	1	1428093	bv	1222	1221	107	4-Chloro-3-Methylphenol
34	100	95	98	1	2910588	bb	1252	1251	142	2-Methylnaphthalene
35	89	95	98	-5	1936148	bv	1516	1521	164	Acenaphthene-d10
36	100	93	99	1	2968274	bv	1349	1348	172	2-Fluorobiphenyl
37	100	87	97	1	472344	bv	1718	1717	330	2,4,6-Tribromophenol
38	100	90	96	-1	876680	bv	1292	1293	237	Hexachlorocyclopentadiene
39	100	94	99	1	880639	bv*	1326	1325	196	2,4,6-Trichlorophenol
40	100	93	98	2	1052074	v?	1335	1333	196	2,4,5-Trichlorophenol
	75	92	96	-7	880639	bv	1326			
41	100	96	98	1	2727958	bb	1375	1374	162	2-Chloronaphthalene
42	100	98	98	1	890135	bv	1405	1404	65	2-Nitroaniline
43	100	97	99	1	2980559	bv	1457	1456	163	Dimethylphthalate
44	100	97	99	0	4304674	b?	1479	1479	152	Acenaphthylene
45	100	96	99	1	720744	vv	1470	1469	165	2,6-Dinitrotoluene
46	100	97	98	2	757207	bv	1511	1509	138	3-Nitroaniline
47	100	98	99	0	2934796	bb	1525	1525	153	Acenapthene
48	100	95	98	0	371176	bv	1538	1538	184	2,4-Dinitrophenol
49	100	97	98	3	329356	bv	1560	1557	109	4-Nitrophenol

50	100	87	98	1	[illegible]	bv	1576	[illegible]	[illegible]	[illegible]
51	100	74	98	1	931924	bv	1572	1571	165	2,4-Dinitrotoluene
52	100	96	99	0	2800708	bb	1639	1639	149	Diethylphthalate
53	100	89	98	-1	1485068	bv	1661	1662	204	4-Chlorophenyl-phenylether
54	100	95	98	0	2998297	bv	1657	1657	166	Fluorene
55	100	97	99	1	455732	bv	1666	1665	138	4-Nitroaniline tailing
56	82	93	97	-6	3261866	bv	1896	1902	188	Phenanthrene-d10
57	100	91	98	0	507036	bv	1675	1675	198	4,6-Dinitro-2-Methylphenol
58	100	93	98	0	1090568	bv	1692	1692	169	N-Nitrosodiphenylamine
59	100	95	98	1	3831687	bv	1702	1701	77	1,2-Diphenylhydrazine
60	100	93	97	1	860092	bv	1786	1785	248	4-Bromophenyl-phenylether
61	100	93	98	0	927958	bb	1797	1797	284	Hexachlorobenzene
62	100	85	98	1	503796	b?	1849	1848	266	Pentachlorophenol
63	100	95	97	1	4209341	bv	1903	1902	178	Phenanthrene
64	100	96	98	1	4291966	v?	1916	1915	178	Anthracene
65	100	94	97	1	2798908	b?	1960	1959	167	Carbazole tailing
66	100	94	99	1	4428513	bv	2059	2058	149	Di-n-Butylphthalate
67	100	95	98	1	3889841	bv	2208	2207	202	Fluoranthene
68	70	68	95	-6	1907209	bv	2580	2586	240	Chrysene-d12
69	100	88	97	-1	2759007	bv	2312	2313	244	Terphenyl-d14
70	100	90	99	0	372173	bv	2248	2248	184	Benzidine
71	100	95	98	-1	3982448	v?	2266	2267	202	Pyrene
72	100	96	99	0	1612772	bv	2444	2444	149	Butylbenzylphthalate
73	91	48	97	0	616190	bv	2574	2574	252	3,3'-Dichlorobenzidine
74	100	85	99	-1	3183070	bv	2577	2578	228	Benzo(a)anthracene
	70	93	98	8	2892146	v?	2586			
75	100	94	98	-1	2892146	v?	2586	2587	228	Chrysene
76	100	94	98	0	2065634	bb	2596	2596	149	bis(2-ethylhexyl)phthalate
77	65	84	95	-8	1209008	b?	2933	2941	264	Perylene-d12
78	100	94	99	0	3154067	bv	2757	2757	149	Di-n-Octylphthalate
79	69	92	98	8	5058684	b?	2847	2839	252	Benzo(b)fluoranthene
80	100	93	98	1	5058684	b?	2847	2846	252	Benzo(k)fluoranthene
81	100	91	98	0	2255393	bv	2919	2919	252	Benzo(a)pyrene
82	82	82	95	-5	1775651	bv	3265	3270	276	Indeno(1,2,3-cd)pyrene
83	84	84	98	-5	1368978	bv	3274	3279	278	Dibenz(a,h)anthracene
84	100	80	99	-7	1327590	vv	3366	3373	276	Benzo(g,h,i)perylene
85	100	96	100	2	978848	b?	79	77	79	Pyridine
86	100	83	88	0	1187172	bv*	1095	1095	162	2,6-Dichlorophenol
87	100	91	100	1	766203	bv	1603	1602	232	2,3,4,6-Tetrachlorophenol

4164P03

Xit Hcpy ? Other GC INLET EDITOR File: METBNA

SD Sample Description
SSTD050 - 496-61-2 (vial 1)
CO Conditions DB5-625 30m x 0.25mm id x 1um film, 2ul

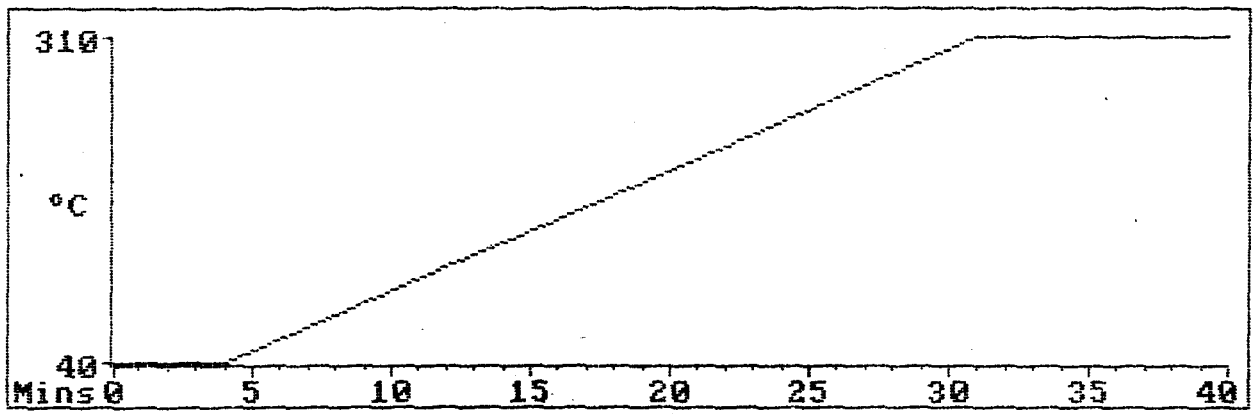
DU Duration (mins)	0.00	MSM MS Mode	SCN
SO Solvent delay	2.7	MSF MS Filename	MSBNA

JI Job Identifier			
TI Task Identifier			
UN User Name	G. Maisel	ST Store oven Temperature	NO
IN Instrument Name	VGTrio1A	ECS External Contact Start	NO
LN Laboratory Name	TCT St Paul		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Xit Hcpy ? Other GC INLET EDITOR File: METBNA

1st ramp		2nd ramp		3rd ramp		4th ramp	
1T Temperature	40	2T Temperature	310	3T Temperature	0	4T Temperature	0
1M Minutes	4.00	2M Minutes	9.00	3M Minutes	0.00	4M Minutes	0.00
1R Rate	10.0	2R Rate	0.0	3R Rate	0.0		



Signals	
SS1 Select	0
SR1 Range	0
SA1 Atten.	0
SZ1 Zero	0.0
SS2 Select	0
SR2 Range	0
SA2 Atten.	0
SZ2 Zero	0.0

Colors		Purge valve		Injectors		General	
CA Axes	8	PS Purge State	ON	IA Temperature	0	GO Oven max	350
CS Scale	13	PF Mins off	0.00	IB Temperature	250	GC Cryogenic	NO
CR Ramp	11	PN Mins on	1.00			GE Eq mins	0.00
						GV Dump Valve	NO
						GD Detectors	NO

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

SW-846 DFTPP TUNE CHECK REPORT

Datafile : 4164P02

Date : 06/13/94
Time : 13:30

M/E	ION ABUNDANCE CRITERIA	ABUNDANCE	TUNE
51	30.0 - 60.0% of mass 198	38.52	PASS
68	Less than 2.0% of mass 69	0.12(0.3)1	PASS
69	Mass 69 relative abundance	39.44	PASS
70	Less then 2.0% of mass 69	0.19(0.5)1	PASS
127	40.0 - 60.0% of mass 198	48.15	PASS
197	Less than 1% of mass 198	0.07	PASS
198	Base peak, 100% relative abundance	100.00	PASS
199	5 - 9% of mass 198	5.88	PASS
275	10 - 30% of mass 198	21.67	PASS
365	greater than 1.0% of mass 198	2.03	PASS
441	Present, but less then mass 443	12.96	PASS
442	greater than 40.0% of mass 198	84.44	PASS
443	17.0 - 23.0% of mass 442	16.11(19.1)2	PASS

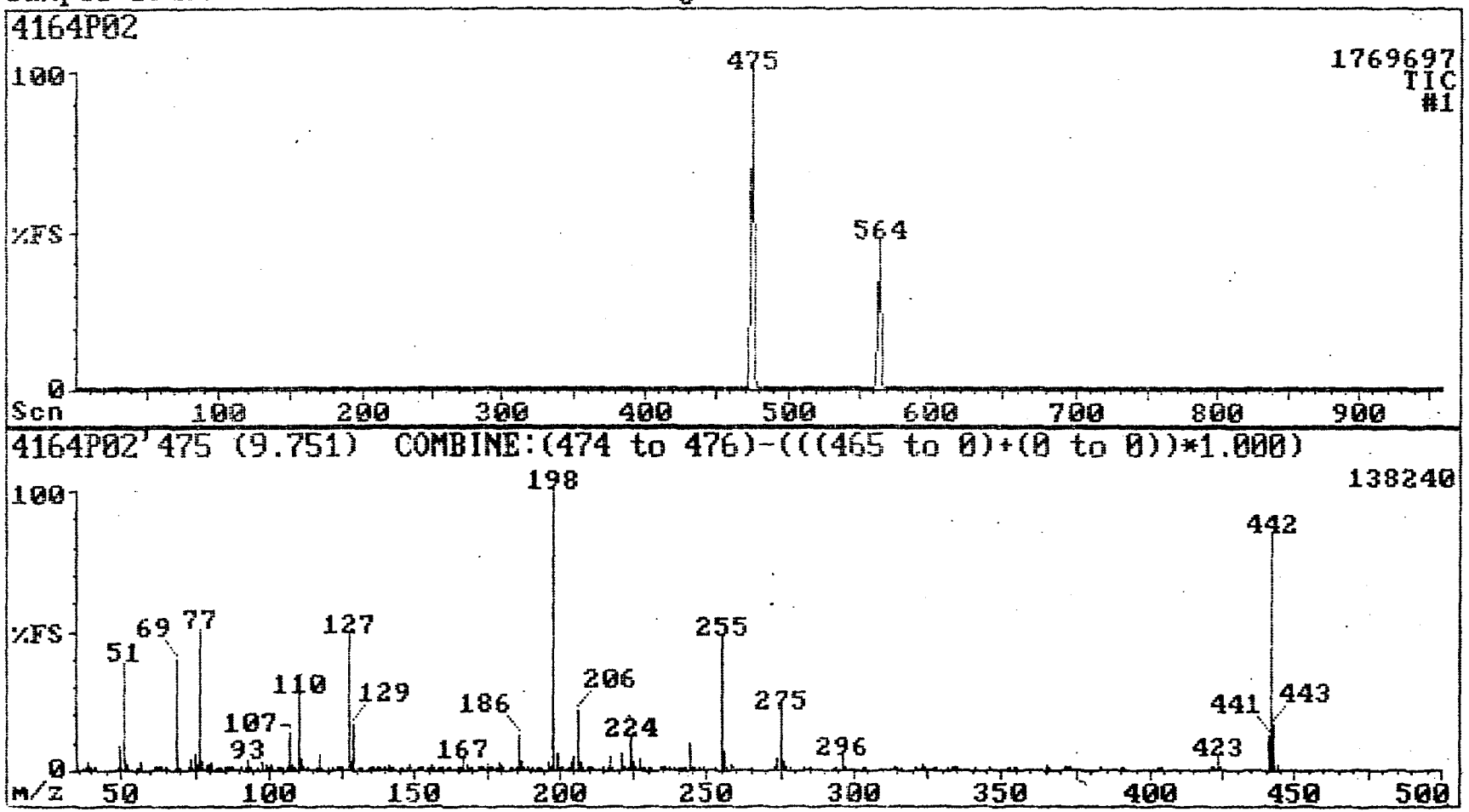
✓ [illegible] 06/13/94

4164P02'475 (9.751) COMBINE:(474 to 476)-(((465 to 0)+(0 to 0))*1.000) 138240

Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int
37	480	0.29	93	4800	3.47	141	2432	1.76	185	1744	1.26	231	528	0.38	316	480	0.35
38	632	0.46	94	300	0.22	142	920	0.67	186	16896	12.22	234	152	0.11	321	128	0.09
39	4224	3.06	96	292	0.21	143	628	0.45	187	4672	3.38	235	328	0.24	323	2992	2.16
40	236	0.17	98	3504	2.53	145	87	0.06	188	444	0.32	236	160	0.12	324	540	0.39
41	105	0.08	99	3328	2.41	146	300	0.22	189	712	0.52	237	432	0.31	327	356	0.26
49	372	0.27	100	153	0.11	147	1312	0.95	191	388	0.28	239	119	0.09	328	140	0.10
50	12288	8.89	101	2352	1.70	148	2432	1.76	192	1200	0.87	240	77	0.06	332	85	0.06
51	53248	38.52	103	628	0.45	149	376	0.27	193	1360	0.98	241	164	0.12	333	119	0.09
52	2656	1.92	104	1264	0.91	151	300	0.22	194	128	0.09	242	768	0.56	334	1840	1.33
55	75	0.05	105	1232	0.89	152	95	0.07	196	3568	2.58	243	760	0.55	335	400	0.29
56	1440	1.04	106	255	0.18	153	764	0.55	197	92	0.07	244	13248	9.58	341	245	0.18
57	3664	2.65	107	18944	13.70	154	540	0.39	198	138240	100.00	245	1600	1.16	346	388	0.28
61	456	0.33	108	2704	1.96	155	1488	1.08	199	8128	5.88	246	1840	1.33	352	868	0.63
62	580	0.42	109	117	0.08	156	2272	1.64	200	636	0.46	247	340	0.25	353	616	0.45
63	1984	1.44	110	38144	27.59	157	372	0.27	201	740	0.54	249	424	0.31	354	1200	0.87
64	255	0.18	111	4800	3.47	158	356	0.26	203	576	0.42	253	104	0.08	355	104	0.08
65	1168	0.84	112	468	0.34	159	292	0.21	204	3856	2.79	255	65536	47.41	365	2800	2.03
68	160	0.12	113	92	0.07	160	748	0.54	205	6592	4.77	256	8896	6.44	366	224	0.16
69	54528	39.44	116	632	0.46	161	1360	0.98	206	29696	21.48	257	532	0.38	371	115	0.08
70	260	0.19	117	8512	6.16	162	288	0.21	207	3616	2.62	258	2896	2.09	372	1632	1.18
73	268	0.19	118	516	0.37	165	812	0.59	208	808	0.58	259	424	0.31	373	336	0.24
74	4800	3.47	120	80	0.06	166	728	0.53	209	139	0.10	265	1024	0.74	383	336	0.24
75	8128	5.88	122	828	0.60	167	5056	3.66	210	540	0.39	273	1968	1.42	390	108	0.08
76	2608	1.89	123	1536	1.11	168	2112	1.53	211	1440	1.04	274	5312	3.84	391	77	0.06
77	69632	50.37	124	628	0.45	169	288	0.21	215	127	0.09	275	29952	21.67	402	636	0.46
78	4544	3.29	125	672	0.49	170	74	0.05	216	380	0.27	276	3728	2.70	403	1008	0.73
79	3072	2.22	127	66560	48.15	172	316	0.23	217	6336	4.58	277	2000	1.45	404	284	0.21
80	2672	1.93	128	4096	2.96	173	556	0.40	218	800	0.58	278	235	0.17	421	864	0.63
81	4096	2.96	129	23296	16.85	174	1040	0.75	221	7616	5.51	283	136	0.10	422	772	0.56
82	1072	0.78	130	1712	1.24	175	2064	1.49	222	896	0.65	285	340	0.25	423	6208	4.49
83	1200	0.87	131	276	0.20	176	592	0.43	223	1472	1.06	293	600	0.43	424	1184	0.86
84	80	0.06	132	84	0.06	177	928	0.67	224	16064	11.62	294	100	0.07	441	17920	12.96
85	692	0.50	134	552	0.40	178	125	0.09	225	3824	2.77	296	6144	4.44	442	116736	84.44
86	964	0.70	135	1872	1.35	179	3616	2.62	226	172	0.12	297	764	0.55	443	22272	16.11
87	436	0.32	136	628	0.45	180	2672	1.93	227	5248	3.80	303	912	0.66	444	2096	1.52
88	173	0.13	137	868	0.63	181	1232	0.89	228	640	0.46	304	156	0.11			
91	872	0.63	138	111	0.08	183	107	0.08	229	1232	0.89	314	221	0.16			
92	844	0.61	140	87	0.06	184	163	0.12	230	73	0.05	315	672	0.49			

4164P02 06/13/94 13:30 VGTrio1A G. Maisel

Sample:DFTPP - 496-51-1 (vial 5) 25 ng/ul HPM:



SW-846 DFTPP TUNE CHECK REPORT

Datafile : 4164P01

Date : 06/13/94
Time : 13:08

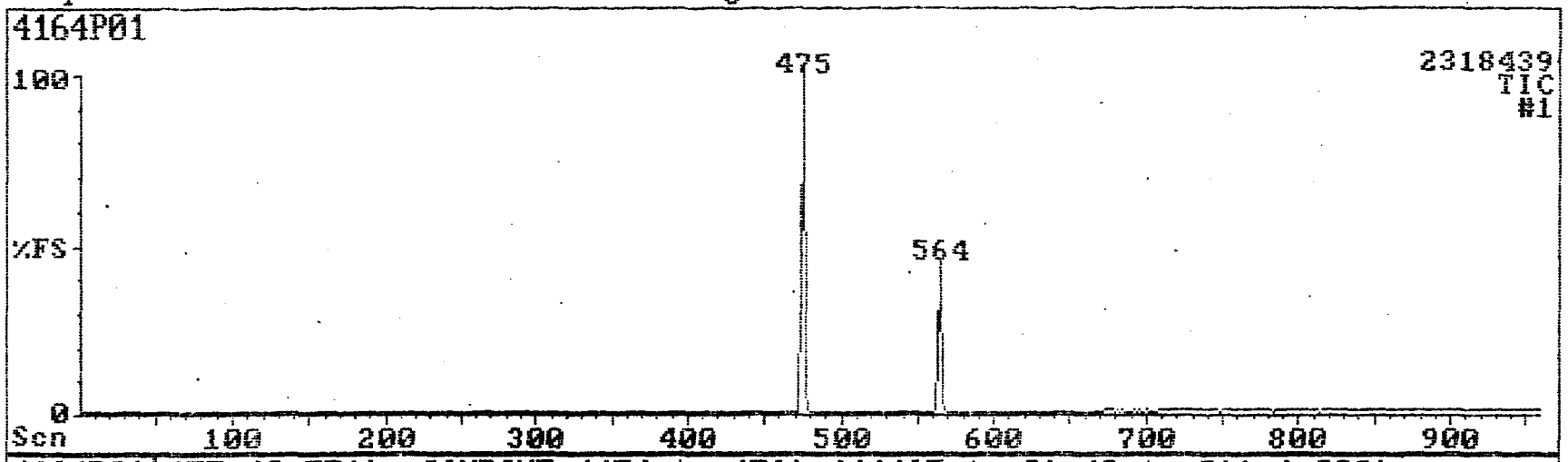
M/E	ION ABUNDANCE CRITERIA	ABUNDANCE	TUNE
51	30.0 - 60.0% of mass 198	40.32	PASS
68	Less than 2.0% of mass 69	0.00(0.0)1	PASS
69	Mass 69 relative abundance	39.25	PASS
70	Less then 2.0% of mass 69	0.29(0.7)1	PASS
127	40.0 - 60.0% of mass 198	48.92	PASS
197	Less than 1% of mass 198	0.11	PASS
198	Base peak, 100% relative abundance	100.00	PASS
199	5 - 9% of mass 198	5.95	PASS
275	10 - 30% of mass 198	21.64	PASS
365	greater than 1.0% of mass 198	1.97	PASS
441	Present, but less then mass 443	12.77	PASS
442	greater than 40.0% of mass 198	79.57	PASS
443	17.0 - 23.0% of mass 442	15.59(19.6)2	PASS

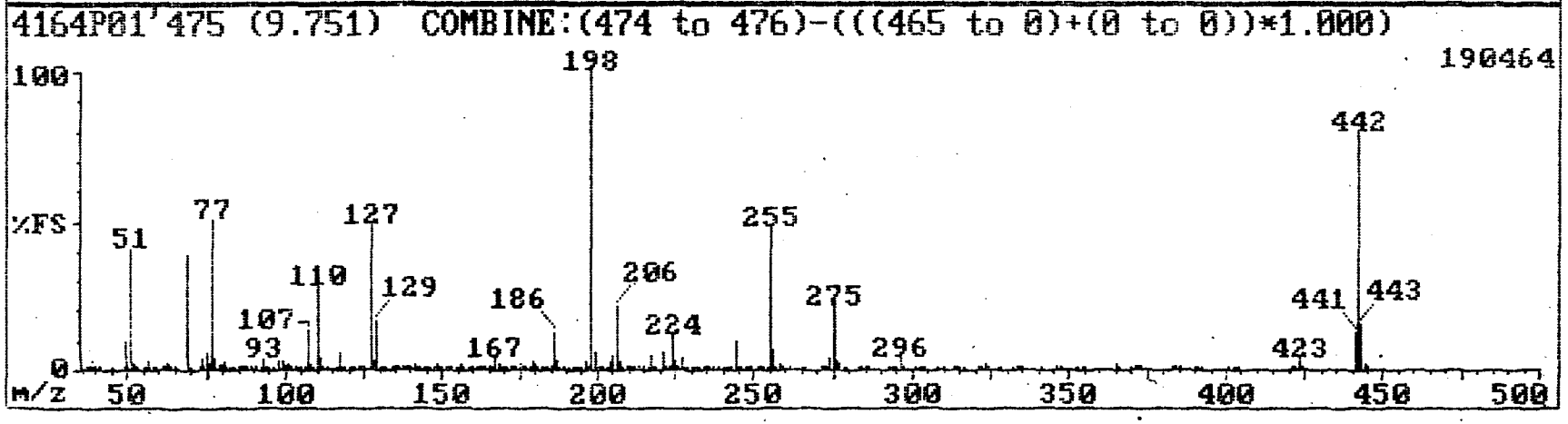
4164P01'475 (9.751) COMBINE:(474 to 476)-(((465 to 0)+(0 to 0))*1.000) 19046

Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int	Mass	Abs Int	Rel Int
37	245	0.13	98	4864	2.55	148	3440	1.81	195	113	0.06	244	17920	9.41	316	772	0.41
38	660	0.35	99	4672	2.45	149	812	0.43	196	4992	2.62	245	2320	1.22	321	368	0.19
39	5952	3.13	100	348	0.18	150	108	0.06	197	208	0.11	246	2640	1.39	322	87	0.05
40	452	0.24	101	3296	1.73	151	448	0.24	198	190464	100.00	247	572	0.30	323	4032	2.12
41	284	0.15	102	97	0.05	152	448	0.24	199	11328	5.95	248	87	0.05	324	780	0.41
45	296	0.16	103	988	0.52	153	1152	0.60	200	948	0.50	249	676	0.35	327	628	0.33
49	268	0.14	104	1872	0.98	154	896	0.47	201	1056	0.55	251	81	0.04	328	388	0.20
50	17664	9.27	105	1808	0.95	155	2080	1.09	202	179	0.09	252	123	0.06	332	243	0.13
51	76800	40.32	106	344	0.18	156	3328	1.75	203	924	0.49	253	227	0.12	333	404	0.21
52	3920	2.06	107	25344	13.31	157	772	0.41	204	5504	2.89	254	219	0.11	334	2496	1.31
53	249	0.13	108	3888	2.04	158	568	0.30	205	9024	4.74	255	91136	47.85	335	716	0.38
55	268	0.14	109	221	0.12	159	472	0.25	206	40448	21.24	256	12672	6.65	341	488	0.26
56	2208	1.16	110	52736	27.69	160	1104	0.58	207	4864	2.55	257	852	0.45	346	632	0.33
57	5184	2.72	111	6976	3.66	161	1872	0.98	208	1248	0.66	258	3952	2.07	347	85	0.04
58	288	0.15	112	880	0.46	162	496	0.26	209	468	0.25	259	664	0.35	352	1264	0.66
59	150	0.08	113	229	0.12	163	196	0.10	210	844	0.44	261	79	0.04	353	872	0.46
61	832	0.44	116	1104	0.58	164	109	0.06	211	1840	0.97	265	1536	0.81	354	1680	0.88
62	964	0.51	117	11520	6.05	165	1248	0.66	212	372	0.20	266	212	0.11	355	340	0.18
63	2832	1.49	118	984	0.52	166	996	0.52	213	73	0.04	271	95	0.05	365	3760	1.97
64	536	0.28	119	215	0.11	167	6912	3.63	215	344	0.18	272	97	0.05	366	504	0.26
65	1616	0.85	120	352	0.18	168	2944	1.55	216	612	0.32	273	2768	1.45	370	83	0.04
69	74752	39.25	121	72	0.04	169	568	0.30	217	8832	4.64	274	7424	3.90	371	356	0.19
70	560	0.29	122	1232	0.65	170	95	0.05	218	1216	0.64	275	41216	21.64	372	2320	1.22
73	668	0.35	123	2240	1.18	171	143	0.08	219	93	0.05	276	5120	2.69	373	628	0.33
74	6720	3.53	124	944	0.50	172	592	0.31	221	11648	6.12	277	2864	1.50	383	612	0.32
75	11520	6.05	125	1072	0.56	173	800	0.42	222	256	0.13	278	368	0.19	384	71	0.04
76	3664	1.92	127	93184	48.92	174	1504	0.79	223	2096	1.10	279	74	0.04	385	77	0.04
77	96256	50.54	128	5760	3.02	175	2848	1.50	224	21760	11.42	283	420	0.22	390	288	0.15
78	6528	3.43	129	31744	16.67	176	852	0.45	225	5440	2.86	284	129	0.07	391	115	0.06
79	4224	2.22	130	2592	1.36	177	1440	0.76	226	404	0.21	285	644	0.34	392	99	0.05
80	3776	1.98	131	588	0.31	178	300	0.16	227	7104	3.73	286	79	0.04	401	71	0.04
81	5888	3.09	132	316	0.17	179	4928	2.59	228	984	0.52	292	97	0.05	402	916	0.48
82	1600	0.84	134	952	0.50	180	3744	1.97	229	1776	0.93	293	948	0.50	403	1408	0.74
83	1760	0.92	135	2672	1.40	181	1744	0.92	230	196	0.10	294	215	0.11	404	500	0.26
84	129	0.07	136	988	0.52	182	222	0.12	231	864	0.45	295	89	0.05	421	1264	0.66
85	1056	0.55	137	1424	0.75	183	95	0.05	232	71	0.04	296	8192	4.30	422	1120	0.59
86	1376	0.72	138	260	0.14	184	368	0.19	233	88	0.05	297	1136	0.60	423	8128	4.27
87	808	0.42	139	82	0.04	185	2320	1.22	234	496	0.26	301	92	0.05	424	1616	0.85
88	288	0.15	140	300	0.16	186	23552	12.37	235	660	0.35	302	119	0.06	441	24320	12.77
89	177	0.09	141	3504	1.84	187	6464	3.39	236	344	0.18	303	1328	0.70	442	151552	79.57
91	1344	0.71	142	1328	0.70	188	668	0.35	237	692	0.36	304	420	0.22	443	29696	15.59
92	1248	0.66	143	904	0.47	189	1040	0.55	239	268	0.14	308	89	0.05	444	2848	1.50
93	6784	3.56	144	221	0.12	191	660	0.35	240	180	0.09	310	96	0.05	445	103	0.05
94	604	0.32	145	121	0.06	192	1632	0.86	241	508	0.27	313	95	0.05			
95	193	0.10	146	544	0.29	193	1904	1.00	242	1168	0.61	314	576	0.30			
96	584	0.31	147	1936	1.02	194	324	0.17	243	1120	0.59	315	1024	0.54			

4164P01 06/13/94 13:08 VGTrio1A G. Maisel

Sample:DFTPP - 496-51-1 (vial 5) 25 ng/ul HPN:





Xit Hcpy ? Other GC INLET EDITOR File: DFTPP

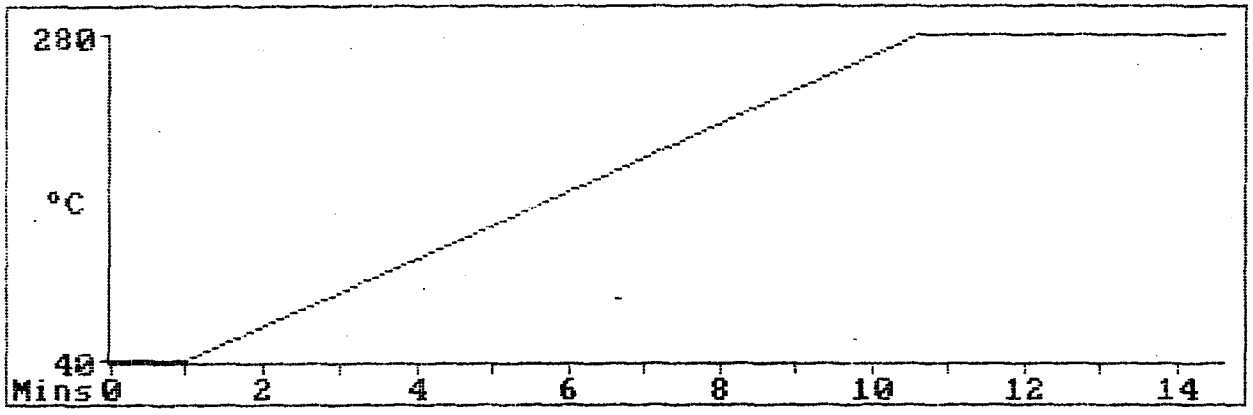
SD Sample Description
DFTPP - 496-51-1 (vial 5) 25 ng/ul
CO Conditions DB5-625 30m x 0.25mm id x 1um film, 2ul

DU Duration (mins)	15.00	MSM	MS Mode	SCN
SO Solvent delay	5.0	MSF	MS Filename	MSBNA
JI Job Identifier				
TI Task Identifier				
UN User Name	G. Maisel	ST	Store oven Temperature	NO
IN Instrument Name	VGTrio1A	ECS	External Contact Start	NO
LN Laboratory Name	TCT St Paul			

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Xit Hcpy ? Other GC INLET EDITOR File: DFTPP

1st ramp		2nd ramp		3rd ramp		4th ramp	
1T Temperature	40	2T Temperature	280	3T Temperature	0	4T Temperature	0
1M Minutes	1.00	2M Minutes	4.00	3M Minutes	0.00	4M Minutes	0.00
1R Rate	25.0	2R Rate	0.0	3R Rate	0.0		



Signals	
SS1 Select	0
SR1 Range	0
SA1 Atten.	0
SZ1 Zero	0.0
SS2 Select	0
SR2 Range	0
SA2 Atten.	0
SZ2 Zero	0.0

Colors		Purge valve		Injectors		General	
CA Axes	8	PS Purge State	ON	IA Temperature	0	GO Oven max	350
CS Scale	13	PF Mins off	0.00	IB Temperature	250	GC Cryogenic	NO
CR Ramp	11	PN Mins on	1.00			GE Eq mins	0.00
						GV Dump Valve	NO
						GD Detectors	NO

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

EPA METHOD 8270
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID:	LAB. BLANK	Lab ID (HSN):	
Matrix:	SOIL	Filename:	4164P05
Date Sampled:		Sample Size:	30 grams
Date Received:		Extract Vol.:	500 uL
Date Extracted:	06/10/94	Dil. Factor:	1
Date Analyzed:	06/13/94	GPC Factor:	2
		% Moisture:	0

Compounds:	ug/Kg (PPB)	EQL
Phenol	330 U	330
bis(2-Chloroethyl)ether	330 U	330
2-Chlorophenol	330 U	330
1,3-Dichlorobenzene	330 U	330
1,4-Dichlorobenzene	330 U	330
1,2-Dichlorobenzene	330 U	330
2-Methylphenol	330 U	330
2,2'-oxybis(1-Chloropropane)	330 U	330
4-Methylphenol	330 U	330
N-Nitroso-di-n-propylamine	330 U	330
Hexachloroethane	330 U	330
Nitrobenzene	330 U	330
Isophorone	330 U	330
2-Nitrophenol	330 U	330
2,4-Dimethylphenol	330 U	330
bis(2-Chloroethoxy)methane	330 U	330
2,4-Dichlorophenol	330 U	330
1,2,4-Trichlorobenzene	330 U	330
Naphthalene	330 U	330
4-Chloroaniline	330 U	330
Hexachlorobutadiene	330 U	330
4-Chloro-3-methylphenol	330 U	330
2-Methylnaphthalene	330 U	330
Hexachlorocyclopentadiene	330 U	330
2,4,6-Trichlorophenol	330 U	330
2,4,5-Trichlorophenol	830 U	830
2-Chloronaphthalene	330 U	330
2-Nitroaniline	830 U	830
Dimethylphthalate	330 U	330
Acenaphthylene	330 U	330
2,6-Dinitrotoluene	330 U	330
3-Nitroaniline	830 U	830
Acenaphthene	330 U	330
2,4-Dinitrophenol	830 U	830
4-Nitrophenol	830 U	830
Dibenzofuran	330 U	330
2,4-Dinitrotoluene	330 U	330
Diethylphthalate	330 U	330
4-Chlorophenyl-phenylether	330 U	330
Fluorene	330 U	330
4-Nitroaniline	830 U	830
4,6-Dinitro-2-methylphenol	830 U	830

(continued)

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EPA METHOD 8270
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID: LAB. BLANK Lab ID (HSN):
Matrix: SOIL Filename: 4164P05

Compounds:	ug/Kg (PPB)	EQL
N-Nitrosodiphenylamine	330 U	330
4-Bromophenyl-phenylether	330 U	330
Hexachlorobenzene	330 U	330
Pentachlorophenol	830 U	830
Phenanthrene	330 U	330
Anthracene	330 U	330
Carbazole	330 U	330
Di-n-butylphthalate	330 U	330
Fluoranthene	330 U	330
Pyrene	330 U	330
Butylbenzylphthalate	330 U	330
3,3'-Dichlorobenzidine	330 U	330
Benz(a)anthracene	330 U	330
Chrysene	330 U	330
bis(2-Ethylhexyl)phthalate	330 U	330
Di-n-octylphthalate	330 U	330
Benzo(b)fluoranthene	330 U	330
Benzo(k)fluoranthene	330 U	330
Benzo(a)pyrene	330 U	330
Indeno(1,2,3-cd)pyrene	330 U	330
Dibenz(a,h)anthracene	330 U	330
Benzo(g,h,i)perylene	330 U	330

Surrogate Recovery		QC LIMITS
2-Fluorophenol	80%	25-121%
Phenol-d5	80%	24-113%
2-Chlorophenol-d4	80%	20-130%
1,2-Dichlorobenzene-d4	77%	20-130%
Nitrobenzene-d5	74%	23-120%
2-Fluorobiphenyl	77%	30-115%
2,4,6-Tribromophenol	80%	19-122%
Terphenyl-d14	91%	18-137%

TCL = Target Coumpound List EPA Contract Laboratory Program (OLM01)
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank

Note: All results are reported on a dry weight basis.
Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

HPN:

EPA METHOD 8270
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID:	LAB. BLANK	Lab ID (HSN):	LAB. BLANK
Matrix:	SOIL	Filename:	4166P04
Date Sampled:		Sample Size:	30 grams
Date Received:		Extract Vol.:	1000 uL
Date Extracted:	06/08/94	Dil. Factor:	1
Date Analyzed:	06/15/94		
		% Moisture:	0

Compounds:	ug/Kg (PPB)	EQL
Phenol	330 U	330
bis(2-Chloroethyl)ether	330 U	330
2-Chlorophenol	330 U	330
1,3-Dichlorobenzene	330 U	330
1,4-Dichlorobenzene	330 U	330
1,2-Dichlorobenzene	330 U	330
2-Methylphenol	330 U	330
2,2'-oxybis(1-Chloropropane)	330 U	330
4-Methylphenol	330 U	330
N-Nitroso-di-n-propylamine	330 U	330
Hexachloroethane	330 U	330
Nitrobenzene	330 U	330
Isophorone	330 U	330
2-Nitrophenol	330 U	330
2,4-Dimethylphenol	330 U	330
bis(2-Chloroethoxy)methane	330 U	330
2,4-Dichlorophenol	330 U	330
1,2,4-Trichlorobenzene	330 U	330
Naphthalene	330 U	330
4-Chloroaniline	330 U	330
Hexachlorobutadiene	330 U	330
4-Chloro-3-methylphenol	330 U	330
2-Methylnaphthalene	330 U	330
Hexachlorocyclopentadiene	330 U	330
2,4,6-Trichlorophenol	330 U	330
2,4,5-Trichlorophenol	830 U	830
2-Chloronaphthalene	330 U	330
2-Nitroaniline	830 U	830
Dimethylphthalate	330 U	330
Acenaphthylene	330 U	330
2,6-Dinitrotoluene	330 U	330
3-Nitroaniline	830 U	830
Acenaphthene	330 U	330
2,4-Dinitrophenol	830 U	830
4-Nitrophenol	57 JB	830
Dibenzofuran	330 U	330
2,4-Dinitrotoluene	330 U	330
Diethylphthalate	330 U	330
4-Chlorophenyl-phenylether	330 U	330
Fluorene	330 U	330
4-Nitroaniline	830 U	830
4,6-Dinitro-2-methylphenol	830 U	830

(continued)

HPN:

EPA METHOD 8270
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID: LAB. BLANK Lab ID (HSN): LAB. BLANK
Matrix: SOIL Filename: 4166P04

Compounds:	ug/Kg (PPB)	EQL
N-Nitrosodiphenylamine	330 U	330
4-Bromophenyl-phenylether	330 U	330
Hexachlorobenzene	330 U	330
Pentachlorophenol	830 U	830
Phenanthrene	330 U	330
Anthracene	330 U	330
Carbazole	330 U	330
Di-n-butylphthalate	330 U	330
Fluoranthene	330 U	330
Pyrene	330 U	330
Butylbenzylphthalate	330 U	330
3,3'-Dichlorobenzidine	330 U	330
Benz(a)anthracene	330 U	330
Chrysene	330 U	330
bis(2-Ethylhexyl)phthalate	330 U	330
Di-n-octylphthalate	330 U	330
Benzo(b)fluoranthene	330 U	330
Benzo(k)fluoranthene	330 U	330
Benzo(a)pyrene	330 U	330
Indeno(1,2,3-cd)pyrene	330 U	330
Dibenz(a,h)anthracene	330 U	330
Benzo(g,h,i)perylene	330 U	330

Surrogate Recovery		QC LIMITS
2-Fluorophenol	87%	25-121%
Phenol-d5	85%	24-113%
2-Chlorophenol-d4	80%	20-130%
1,2-Dichlorobenzene-d4	74%	20-130%
Nitrobenzene-d5	82%	23-120%
2-Fluorobiphenyl	75%	30-115%
2,4,6-Tribromophenol	84%	19-122%
Terphenyl-d14	90%	18-137%

TCL = Target Coumpound List EPA Contract Laboratory Program (OLM01)
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank

Note: All results are reported on a dry weight basis.
Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

HPN:

EPA METHOD 8270
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID:	LCS-1	Lab ID (HSN):	LCS-1
Matrix:	SOIL	Filename:	4166P05
Date Sampled:		Sample Size:	30 grams
Date Received:		Extract Vol.:	1000 uL
Date Extracted:	06/08/94	Dil. Factor:	1
Date Analyzed:	06/15/94		
		% Moisture:	0

Compounds:	ug/Kg (PPB)		EQL
Phenol	2000		330
bis(2-Chloroethyl)ether	330	U	330
2-Chlorophenol	2000		330
1,3-Dichlorobenzene	330	U	330
1,4-Dichlorobenzene	1200		330
1,2-Dichlorobenzene	330	U	330
2-Methylphenol	330	U	330
2,2'-oxybis(1-Chloropropane)	330	U	330
4-Methylphenol	330	U	330
N-Nitroso-di-n-propylamine	1100		330
Hexachloroethane	330	U	330
Nitrobenzene	330	U	330
Isophorone	330	U	330
2-Nitrophenol	330	U	330
2,4-Dimethylphenol	330	U	330
bis(2-Chloroethoxy)methane	330	U	330
2,4-Dichlorophenol	330	U	330
1,2,4-Trichlorobenzene	1300		330
Naphthalene	330	U	330
4-Chloroaniline	330	U	330
Hexachlorobutadiene	330	U	330
4-Chloro-3-methylphenol	2100		330
2-Methylnaphthalene	330	U	330
Hexachlorocyclopentadiene	330	U	330
2,4,6-Trichlorophenol	330	U	330
2,4,5-Trichlorophenol	830	U	830
2-Chloronaphthalene	330	U	330
2-Nitroaniline	830	U	830
Dimethylphthalate	330	U	330
Acenaphthylene	330	U	330
2,6-Dinitrotoluene	330	U	330
3-Nitroaniline	830	U	830
Acenaphthene	1200		330
2,4-Dinitrophenol	830	U	830
4-Nitrophenol	2200	B	830
Dibenzofuran	330	U	330
2,4-Dinitrotoluene	1400		330
Diethylphthalate	330	U	330
4-Chlorophenyl-phenylether	330	U	330
Fluorene	330	U	330
4-Nitroaniline	830	U	830
4,6-Dinitro-2-methylphenol	830	U	830

(continued)

HPN:

EPA METHOD 8270
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID: LCS-1 Lab ID (HSN): LCS-1
Matrix: SOIL Filename: 4166P05

Compounds:	ug/Kg (PPB)	EQL
N-Nitrosodiphenylamine	330 U	330
4-Bromophenyl-phenylether	330 U	330
Hexachlorobenzene	330 U	330
Pentachlorophenol	2300	830
Phenanthrene	330 U	330
Anthracene	330 U	330
Carbazole	330 U	330
Di-n-butylphthalate	330 U	330
Fluoranthene	330 U	330
Pyrene	1400	330
Butylbenzylphthalate	330 U	330
3,3'-Dichlorobenzidine	330 U	330
Benz(a)anthracene	330 U	330
Chrysene	330 U	330
bis(2-Ethylhexyl)phthalate	850	330
Di-n-octylphthalate	330 U	330
Benzo(b)fluoranthene	330 U	330
Benzo(k)fluoranthene	330 U	330
Benzo(a)pyrene	330 U	330
Indeno(1,2,3-cd)pyrene	330 U	330
Dibenz(a,h)anthracene	330 U	330
Benzo(g,h,i)perylene	330 U	330

Surrogate Recovery		QC LIMITS
2-Fluorophenol	91%	25-121%
Phenol-d5	88%	24-113%
2-Chlorophenol-d4	86%	20-130%
1,2-Dichlorobenzene-d4	75%	20-130%
Nitrobenzene-d5	81%	23-120%
2-Fluorobiphenyl	78%	30-115%
2,4,6-Tribromophenol	90%	19-122%
Terphenyl-d14	97%	18-137%

TCL = Target Coumpound List EPA Contract Laboratory Program (OLM01)
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank

Note: All results are reported on a dry weight basis.
Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

HPN:

EPA METHOD 8270

Huntingdon

TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Client ID:	QD1	Lab ID (HSN):	25160MS
Matrix:	SOIL	Filename:	4163P10
Date Sampled:	05/27/94	Sample Size:	1 grams
Date Received:	05/31/94	Extract Vol.:	500 uL
Date Extracted:	06/09/94	Dil. Factor:	10
Date Analyzed:	06/13/94	GPC Factor:	2
		% Moisture:	6.4

Compounds:	ug/Kg (PPB)		EQL
Phenol	68000	JD	110000
bis(2-Chloroethyl)ether	110000	UD	110000
2-Chlorophenol	68000	JD	110000
1,3-Dichlorobenzene	110000	UD	110000
1,4-Dichlorobenzene	45000	JD	110000
1,2-Dichlorobenzene	110000	UD	110000
2-Methylphenol	110000	UD	110000
2,2'-oxybis(1-Chloropropane)	110000	UD	110000
4-Methylphenol	110000	UD	110000
N-Nitroso-di-n-propylamine	43000	JD	110000
Hexachloroethane	110000	UD	110000
Nitrobenzene	110000	UD	110000
Isophorone	110000	UD	110000
2-Nitrophenol	110000	UD	110000
2,4-Dimethylphenol	110000	UD	110000
bis(2-Chloroethoxy)methane	110000	UD	110000
2,4-Dichlorophenol	110000	UD	110000
1,2,4-Trichlorobenzene	50000	JD	110000
Naphthalene	110000	UD	110000
4-Chloroaniline	110000	UD	110000
Hexachlorobutadiene	110000	UD	110000
4-Chloro-3-methylphenol	68000	JD	110000
2-Methylnaphthalene	110000	UD	110000
Hexachlorocyclopentadiene	110000	UD	110000
2,4,6-Trichlorophenol	110000	UD	110000
2,4,5-Trichlorophenol	270000	UD	270000
2-Chloronaphthalene	110000	UD	110000
2-Nitroaniline	270000	UD	270000
Dimethylphthalate	110000	UD	110000
Acenaphthylene	110000	UD	110000
2,6-Dinitrotoluene	110000	UD	110000
3-Nitroaniline	270000	UD	270000
Acenaphthene	42000	JD	110000
2,4-Dinitrophenol	270000	UD	270000
4-Nitrophenol	45000	JD	270000
Dibenzofuran	110000	UD	110000
2,4-Dinitrotoluene	41000	JD	110000
Diethylphthalate	110000	UD	110000
4-Chlorophenyl-phenylether	110000	UD	110000
Fluorene	110000	UD	110000
4-Nitroaniline	270000	UD	270000
4,6-Dinitro-2-methylphenol	270000	UD	270000

(continued)

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EPA METHOD 8270
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID: QD1 Lab ID (HSN): 25160MS
Matrix: SOIL Filename: 4163P10

Compounds:	ug/Kg (PPB)			EQL
N-Nitrosodiphenylamine	110000	UD		110000
4-Bromophenyl-phenylether	110000	UD		110000
Hexachlorobenzene	110000	UD		110000
Pentachlorophenol	41000	JD		270000
Phenanthrene	110000	UD		110000
Anthracene	110000	UD		110000
Carbazole	110000	UD		110000
Di-n-butylphthalate	110000	UD		110000
Fluoranthene	110000	UD		110000
Pyrene	89000	JD	Y	110000
Butylbenzylphthalate	110000	UD	Y	110000
3,3'-Dichlorobenzidine	110000	UD	Y	110000
Benz(a)anthracene	110000	UD	Y	110000
Chrysene	110000	UD	Y	110000
bis(2-Ethylhexyl)phthalate	110000	UD	Y	110000
Di-n-octylphthalate	110000	UD	Y	110000
Benzo(b)fluoranthene	110000	UD	Y	110000
Benzo(k)fluoranthene	110000	UD	Y	110000
Benzo(a)pyrene	110000	UD	Y	110000
Indeno(1,2,3-cd)pyrene	110000	UD	Y	110000
Dibenz(a,h)anthracene	110000	UD	Y	110000
Benzo(g,h,i)perylene	110000	UD	Y	110000

Surrogate Recovery				QC LIMITS
2-Fluorophenol	78%	JD		25-121%
Phenol-d5	91%	JD		24-113%
2-Chlorophenol-d4	87%	JD		20-130%
1,2-Dichlorobenzene-d4	87%	JD		20-130%
Nitrobenzene-d5	87%	JD		23-120%
2-Fluorobiphenyl	112%	JD		30-115%
2,4,6-Tribromophenol	60%	JD		19-122%
Terphenyl-d14	169%	JD	Y	18-137%

TCL = Target Coumpound List EPA Contract Laboratory Program (OLM01)
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank
D = Analysis at a secondary Dilution factor
Y = Associated internal standard failed method criteria
Note: All results are reported on a dry weight basis.
Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

HPN: 5039

EPA METHOD 8270
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID:	QD1	Lab ID (HSN):	25160MSD
Matrix:	SOIL	Filename:	4163P09
Date Sampled:	05/27/94	Sample Size:	1 grams
Date Received:	05/31/94	Extract Vol.:	500 uL
Date Extracted:	06/09/94	Dil. Factor:	10
Date Analyzed:	06/13/94	GPC Factor:	2
		% Moisture:	6.4

Compounds:	ug/Kg (PPB)		EQL
Phenol	71000	JD	110000
bis(2-Chloroethyl)ether	110000	UD	110000
2-Chlorophenol	67000	JD	110000
1,3-Dichlorobenzene	110000	UD	110000
1,4-Dichlorobenzene	49000	JD	110000
1,2-Dichlorobenzene	110000	UD	110000
2-Methylphenol	110000	UD	110000
2,2'-oxybis(1-Chloropropane)	110000	UD	110000
4-Methylphenol	110000	UD	110000
N-Nitroso-di-n-propylamine	45000	JD	110000
Hexachloroethane	110000	UD	110000
Nitrobenzene	110000	UD	110000
Isophorone	110000	UD	110000
2-Nitrophenol	110000	UD	110000
2,4-Dimethylphenol	110000	UD	110000
bis(2-Chloroethoxy)methane	110000	UD	110000
2,4-Dichlorophenol	110000	UD	110000
1,2,4-Trichlorobenzene	52000	JD	110000
Naphthalene	110000	UD	110000
4-Chloroaniline	110000	UD	110000
Hexachlorobutadiene	110000	UD	110000
4-Chloro-3-methylphenol	69000	JD	110000
2-Methylnaphthalene	110000	UD	110000
Hexachlorocyclopentadiene	110000	UD	110000
2,4,6-Trichlorophenol	110000	UD	110000
2,4,5-Trichlorophenol	270000	UD	270000
2-Chloronaphthalene	110000	UD	110000
2-Nitroaniline	270000	UD	270000
Dimethylphthalate	110000	UD	110000
Acenaphthylene	110000	UD	110000
2,6-Dinitrotoluene	110000	UD	110000
3-Nitroaniline	270000	UD	270000
Acenaphthene	43000	JD	110000
2,4-Dinitrophenol	270000	UD	270000
4-Nitrophenol	27000	JD	270000
Dibenzofuran	110000	UD	110000
2,4-Dinitrotoluene	41000	JD	110000
Diethylphthalate	110000	UD	110000
4-Chlorophenyl-phenylether	110000	UD	110000
Fluorene	110000	UD	110000
4-Nitroaniline	270000	UD	270000
4,6-Dinitro-2-methylphenol	270000	UD	270000

(continued)

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EPA METHOD 8270
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID: QD1 Lab ID (HSN): 25160MSD
Matrix: SOIL Filename: 4163P09

Compounds:	ug/Kg (PPB)			EQL
N-Nitrosodiphenylamine	110000	UD		110000
4-Bromophenyl-phenylether	110000	UD		110000
Hexachlorobenzene	110000	UD		110000
Pentachlorophenol	27000	JD		270000
Phenanthrene	110000	UD		110000
Anthracene	110000	UD		110000
Carbazole	110000	UD		110000
Di-n-butylphthalate	110000	UD		110000
Fluoranthene	110000	UD		110000
Pyrene	90000	JD	Y	110000
Butylbenzylphthalate	110000	UD	Y	110000
3,3'-Dichlorobenzidine	110000	UD	Y	110000
Benz(a)anthracene	110000	UD	Y	110000
Chrysene	110000	UD	Y	110000
bis(2-Ethylhexyl)phthalate	110000	UD	Y	110000
Di-n-octylphthalate	110000	UD	Y	110000
Benzo(b)fluoranthene	110000	UD	Y	110000
Benzo(k)fluoranthene	110000	UD	Y	110000
Benzo(a)pyrene	110000	UD	Y	110000
Indeno(1,2,3-cd)pyrene	110000	UD	Y	110000
Dibenz(a,h)anthracene	110000	UD	Y	110000
Benzo(g,h,i)perylene	110000	UD	Y	110000

Surrogate Recovery			QC LIMITS
2-Fluorophenol	71%JD		25-121%
Phenol-d5	93%JD		24-113%
2-Chlorophenol-d4	87%JD		20-130%
1,2-Dichlorobenzene-d4	95%JD		20-130%
Nitrobenzene-d5	90%JD		23-120%
2-Fluorobiphenyl	114%JD		30-115%
2,4,6-Tribromophenol	46%JD		19-122%
Terphenyl-d14	177%JD	Y	18-137%

TCL = Target Coumpound List EPA Contract Laboratory Program (OLM01)
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank
D = Analysis at a secondary Dilution factor
Y = Associated internal standard failed method criteria
Note: All results are reported on a dry weight basis.
Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

HPN: 5039

EPA METHOD 8270
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID:	QD1	Lab ID (HSN):	25160RI
Matrix:	SOIL	Filename:	4164P10
Date Sampled:	05/27/94	Sample Size:	1 grams
Date Received:	05/31/94	Extract Vol.:	500 uL
Date Extracted:	06/09/94	Dil. Factor:	10
Date Analyzed:	06/13/94	GPC Factor:	2
		% Moisture:	6.4

Compounds:	ug/Kg (PPB)		EQL
Phenol	110000	UD	110000
bis(2-Chloroethyl)ether	110000	UD	110000
2-Chlorophenol	110000	UD	110000
1,3-Dichlorobenzene	110000	UD	110000
1,4-Dichlorobenzene	110000	UD	110000
1,2-Dichlorobenzene	110000	UD	110000
2-Methylphenol	110000	UD	110000
2,2'-oxybis(1-Chloropropane)	110000	UD	110000
4-Methylphenol	110000	UD	110000
N-Nitroso-di-n-propylamine	110000	UD	110000
Hexachloroethane	110000	UD	110000
Nitrobenzene	110000	UD	110000
Isophorone	110000	UD	110000
2-Nitrophenol	110000	UD	110000
2,4-Dimethylphenol	110000	UD	110000
bis(2-Chloroethoxy)methane	110000	UD	110000
2,4-Dichlorophenol	110000	UD	110000
1,2,4-Trichlorobenzene	110000	UD	110000
Naphthalene	110000	UD	110000
4-Chloroaniline	110000	UD	110000
Hexachlorobutadiene	110000	UD	110000
4-Chloro-3-methylphenol	110000	UD	110000
2-Methylnaphthalene	110000	UD	110000
Hexachlorocyclopentadiene	110000	UD	110000
2,4,6-Trichlorophenol	110000	UD	110000
2,4,5-Trichlorophenol	270000	UD	270000
2-Chloronaphthalene	110000	UD	110000
2-Nitroaniline	270000	UD	270000
Dimethylphthalate	110000	UD	110000
Acenaphthylene	110000	UD	110000
2,6-Dinitrotoluene	110000	UD	110000
3-Nitroaniline	270000	UD	270000
Acenaphthene	110000	UD	110000
2,4-Dinitrophenol	270000	UD	270000
4-Nitrophenol	270000	UD	270000
Dibenzofuran	110000	UD	110000
2,4-Dinitrotoluene	110000	UD	110000
Diethylphthalate	110000	UD	110000
4-Chlorophenyl-phenylether	110000	UD	110000
Fluorene	110000	UD	110000
4-Nitroaniline	270000	UD	270000
4,6-Dinitro-2-methylphenol	270000	UD	270000

(continued)

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EPA METHOD 8270
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID: QD1 Lab ID (HSN): 25160RI
Matrix: SOIL Filename: 4164P10

Compounds:	ug/Kg (PPB)			EQL
N-Nitrosodiphenylamine	110000	UD		110000
4-Bromophenyl-phenylether	110000	UD		110000
Hexachlorobenzene	110000	UD		110000
Pentachlorophenol	270000	UD		270000
Phenanthrene	110000	UD		110000
Anthracene	110000	UD		110000
Carbazole	110000	UD		110000
Di-n-butylphthalate	110000	UD		110000
Fluoranthene	110000	UD		110000
Pyrene	110000	UD	Y	110000
Butylbenzylphthalate	110000	UD	Y	110000
3,3'-Dichlorobenzidine	110000	UD	Y	110000
Benz(a)anthracene	110000	UD	Y	110000
Chrysene	110000	UD	Y	110000
bis(2-Ethylhexyl)phthalate	110000	UD	Y	110000
Di-n-octylphthalate	110000	UD	Y	110000
Benzo(b)fluoranthene	110000	UD	Y	110000
Benzo(k)fluoranthene	110000	UD	Y	110000
Benzo(a)pyrene	110000	UD	Y	110000
Indeno(1,2,3-cd)pyrene	110000	UD	Y	110000
Dibenz(a,h)anthracene	110000	UD	Y	110000
Benzo(g,h,i)perylene	110000	UD	Y	110000

Surrogate Recovery				QC LIMITS
2-Fluorophenol	41	%JD		25-121%
Phenol-d5	63	%JD		24-113%
2-Chlorophenol-d4	59	%JD		20-130%
1,2-Dichlorobenzene-d4	68	%JD		20-130%
Nitrobenzene-d5	72	%JD		23-120%
2-Fluorobiphenyl	101	%JD		30-115%
2,4,6-Tribromophenol	25	%JD		19-122%
Terphenyl-d14	142	%JD	Y	18-137%

TCL = Target Coumpound List EPA Contract Laboratory Program (OLM01)
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank
D = Analysis at a secondary Dilution factor
Y = Associated internal standard failed method criteria
Note: All results are reported on a dry weight basis.
Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

HPN: 5039

EPA METHOD 8270
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID:	QD2	Lab ID (HSN):	25161RI
Matrix:	SOIL	Filename:	4164P11
Date Sampled:	05/27/94	Sample Size:	1 grams
Date Received:	05/31/94	Extract Vol.:	500 uL
Date Extracted:	06/09/94	Dil. Factor:	10
Date Analyzed:	06/13/94	GPC Factor:	2
		% Moisture:	4.2

Compounds:	ug/Kg (PPB)		EQL
Phenol	100000	UD	100000
bis(2-Chloroethyl)ether	100000	UD	100000
2-Chlorophenol	100000	UD	100000
1,3-Dichlorobenzene	100000	UD	100000
1,4-Dichlorobenzene	100000	UD	100000
1,2-Dichlorobenzene	100000	UD	100000
2-Methylphenol	100000	UD	100000
2,2'-oxybis(1-Chloropropane)	100000	UD	100000
4-Methylphenol	100000	UD	100000
N-Nitroso-di-n-propylamine	100000	UD	100000
Hexachloroethane	100000	UD	100000
Nitrobenzene	100000	UD	100000
Isophorone	100000	UD	100000
2-Nitrophenol	100000	UD	100000
2,4-Dimethylphenol	100000	UD	100000
bis(2-Chloroethoxy)methane	100000	UD	100000
2,4-Dichlorophenol	100000	UD	100000
1,2,4-Trichlorobenzene	100000	UD	100000
Naphthalene	100000	UD	100000
4-Chloroaniline	100000	UD	100000
Hexachlorobutadiene	100000	UD	100000
4-Chloro-3-methylphenol	100000	UD	100000
2-Methylnaphthalene	100000	UD	100000
Hexachlorocyclopentadiene	100000	UD	100000
2,4,6-Trichlorophenol	100000	UD	100000
2,4,5-Trichlorophenol	260000	UD	260000
2-Chloronaphthalene	100000	UD	100000
2-Nitroaniline	260000	UD	260000
Dimethylphthalate	100000	UD	100000
Acenaphthylene	100000	UD	100000
2,6-Dinitrotoluene	100000	UD	100000
3-Nitroaniline	260000	UD	260000
Acenaphthene	100000	UD	100000
2,4-Dinitrophenol	260000	UD	260000
4-Nitrophenol	260000	UD	260000
Dibenzofuran	100000	UD	100000
2,4-Dinitrotoluene	100000	UD	100000
Diethylphthalate	100000	UD	100000
4-Chlorophenyl-phenylether	100000	UD	100000
Fluorene	100000	UD	100000
4-Nitroaniline	260000	UD	260000
4,6-Dinitro-2-methylphenol	260000	UD	260000

(continued)

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EPA METHOD 8270 **Huntingdon**
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Client ID: QD2 Lab ID (HSN): 25161RI
Matrix: SOIL Filename: 4164P11

Compounds:	ug/Kg (PPB)			EQL
N-Nitrosodiphenylamine	100000	UD		100000
4-Bromophenyl-phenylether	100000	UD		100000
Hexachlorobenzene	100000	UD		100000
Pentachlorophenol	260000	UD		260000
Phenanthrene	100000	UD		100000
Anthracene	100000	UD		100000
Carbazole	100000	UD		100000
Di-n-butylphthalate	100000	UD		100000
Fluoranthene	100000	UD		100000
Pyrene	100000	UD	Y	100000
Butylbenzylphthalate	100000	UD	Y	100000
3,3'-Dichlorobenzidine	100000	UD	Y	100000
Benz(a)anthracene	100000	UD	Y	100000
Chrysene	100000	UD	Y	100000
bis(2-Ethylhexyl)phthalate	100000	UD	Y	100000
Di-n-octylphthalate	100000	UD	Y	100000
Benzo(b)fluoranthene	100000	UD	Y	100000
Benzo(k)fluoranthene	100000	UD	Y	100000
Benzo(a)pyrene	100000	UD	Y	100000
Indeno(1,2,3-cd)pyrene	100000	UD	Y	100000
Dibenz(a,h)anthracene	100000	UD	Y	100000
Benzo(g,h,i)perylene	100000	UD	Y	100000

Surrogate Recovery			QC LIMITS
2-Fluorophenol	63%JD		25-121%
Phenol-d5	70%JD		24-113%
2-Chlorophenol-d4	69%JD		20-130%
1,2-Dichlorobenzene-d4	69%JD		20-130%
Nitrobenzene-d5	80%JD		23-120%
2-Fluorobiphenyl	103%JD		30-115%
2,4,6-Tribromophenol	79%JD		19-122%
Terphenyl-d14	154%JD	Y	18-137%

TCL = Target Coumpound List EPA Contract Laboratory Program (OLM01)
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank
D = Analysis at a secondary Dilution factor
Y = Associated internal standard failed method criteria
Note: All results are reported on a dry weight basis.
Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

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EPA METHOD 8270
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID:	QD3	Lab ID (HSN):	25162RI
Matrix:	SOIL	Filename:	4164P12
Date Sampled:	05/27/94	Sample Size:	1 grams
Date Received:	05/31/94	Extract Vol.:	500 uL
Date Extracted:	06/09/94	Dil. Factor:	10
Date Analyzed:	06/13/94	GPC Factor:	2
		% Moisture:	10.7

Compounds:	ug/Kg (PPB)		EQL
Phenol	110000	UD	110000
bis(2-Chloroethyl)ether	110000	UD	110000
2-Chlorophenol	110000	UD	110000
1,3-Dichlorobenzene	110000	UD	110000
1,4-Dichlorobenzene	110000	UD	110000
1,2-Dichlorobenzene	110000	UD	110000
2-Methylphenol	110000	UD	110000
2,2'-oxybis(1-Chloropropane)	110000	UD	110000
4-Methylphenol	110000	UD	110000
N-Nitroso-di-n-propylamine	110000	UD	110000
Hexachloroethane	110000	UD	110000
Nitrobenzene	110000	UD	110000
Isophorone	110000	UD	110000
2-Nitrophenol	110000	UD	110000
2,4-Dimethylphenol	110000	UD	110000
bis(2-Chloroethoxy)methane	110000	UD	110000
2,4-Dichlorophenol	110000	UD	110000
1,2,4-Trichlorobenzene	110000	UD	110000
Naphthalene	110000	UD	110000
4-Chloroaniline	110000	UD	110000
Hexachlorobutadiene	110000	UD	110000
4-Chloro-3-methylphenol	110000	UD	110000
2-Methylnaphthalene	110000	UD	110000
Hexachlorocyclopentadiene	110000	UD	110000
2,4,6-Trichlorophenol	110000	UD	110000
2,4,5-Trichlorophenol	280000	UD	280000
2-Chloronaphthalene	110000	UD	110000
2-Nitroaniline	280000	UD	280000
Dimethylphthalate	110000	UD	110000
Acenaphthylene	110000	UD	110000
2,6-Dinitrotoluene	110000	UD	110000
3-Nitroaniline	280000	UD	280000
Acenaphthene	110000	UD	110000
2,4-Dinitrophenol	280000	UD	280000
4-Nitrophenol	280000	UD	280000
Dibenzofuran	110000	UD	110000
2,4-Dinitrotoluene	110000	UD	110000
Diethylphthalate	110000	UD	110000
4-Chlorophenyl-phenylether	110000	UD	110000
Fluorene	110000	UD	110000
4-Nitroaniline	280000	UD	280000
4,6-Dinitro-2-methylphenol	280000	UD	280000

(continued)

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EPA METHOD 8270
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID: QD3 Lab ID (HSN): 25162RI
Matrix: SOIL Filename: 4164P12

Compounds:	ug/Kg (PPB)			EQL
N-Nitrosodiphenylamine	110000	UD		110000
4-Bromophenyl-phenylether	110000	UD		110000
Hexachlorobenzene	110000	UD		110000
Pentachlorophenol	280000	UD		280000
Phenanthrene	110000	UD		110000
Anthracene	110000	UD		110000
Carbazole	110000	UD		110000
Di-n-butylphthalate	110000	UD		110000
Fluoranthene	110000	UD		110000
Pyrene	110000	UD	Y	110000
Butylbenzylphthalate	110000	UD	Y	110000
3,3'-Dichlorobenzidine	110000	UD	Y	110000
Benz(a)anthracene	110000	UD	Y	110000
Chrysene	110000	UD	Y	110000
bis(2-Ethylhexyl)phthalate	110000	UD	Y	110000
Di-n-octylphthalate	110000	UD	Y	110000
Benzo(b)fluoranthene	110000	UD	Y	110000
Benzo(k)fluoranthene	110000	UD	Y	110000
Benzo(a)pyrene	110000	UD	Y	110000
Indeno(1,2,3-cd)pyrene	110000	UD	Y	110000
Dibenz(a,h)anthracene	110000	UD	Y	110000
Benzo(g,h,i)perylene	110000	UD	Y	110000

Surrogate Recovery				QC LIMITS
2-Fluorophenol	43	%JD		25-121%
Phenol-d5	74	%JD		24-113%
2-Chlorophenol-d4	61	%JD		20-130%
1,2-Dichlorobenzene-d4	76	%JD		20-130%
Nitrobenzene-d5	81	%JD		23-120%
2-Fluorobiphenyl	103	%JD		30-115%
2,4,6-Tribromophenol	21	%JD		19-122%
Terphenyl-d14	158	%JD	Y	18-137%

TCL = Target Coumpound List EPA Contract Laboratory Program (OLM01)
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank
D = Analysis at a secondary Dilution factor
Y = Associated internal standard failed method criteria
Note: All results are reported on a dry weight basis.
Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

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3C

Huntingdon

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spiked: QD1

HPN: 5039	HSN:	25160	25160MS	25160MSD
INST: VGTRIO1A	Filename:	4163P11	4163P10	4163P09
	Date Extracted:	06/09/94	06/09/94	06/09/94
	Date Analyzed:	06/13/94	06/13/94	06/13/94

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	80000	0	68000	85	26- 90
2-Chlorophenol	80000	0	68000	85	25-102
1,4-Dichlorobenzene	53000	0	45000	85	28-104
N-Nitroso-di-n-prop.(1)	53000	0	43000	81	41-126
1,2,4-Trichlorobenzene	53000	0	50000	94	38-107
4-Chloro-3-methylphenol	80000	0	68000	85	26-103
Acenaphthene	53000	0	42000	79	31-137
4-Nitrophenol	80000	0	45000	56	11-114
2,4-Dinitrotoluene	53000	0	41000	77	28- 89
Pentachlorophenol	80000	0	41000	51	17-109
Pyrene	53000	0	89000	168 *	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	80000	71000	89	5	35	26- 90
2-Chlorophenol	80000	67000	84	1	50	25-102
1,4-Dichlorobenzene	53000	49000	92	8	27	28-104
N-Nitroso-di-n-prop.(1)	53000	45000	85	5	38	41-126
1,2,4-Trichlorobenzene	53000	52000	98	4	23	38-107
4-Chloro-3-methylphenol	80000	69000	86	1	33	26-103
Acenaphthene	53000	43000	81	2	19	31-137
4-Nitrophenol	80000	27000	34	49	50	11-114
2,4-Dinitrotoluene	53000	41000	77	0	47	28- 89
Pentachlorophenol	80000	27000	34	40	47	17-109
Pyrene	53000	90000	170 *	1	36	35-142

(1) N-Nitroso-di-n-propylamine

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

RPD: 0 out of 11 outside limits
Spike Recovery: 2 out of 22 outside limits

COMMENTS: Elevated pyrene recovery due to failing internal standard.

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EPA METHOD 8270

Huntingdon

TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Client ID:	QD1	Lab ID (HSN):	25160MSD RI
Matrix:	SOIL	Filename:	4164P09
Date Sampled:	05/27/94	Sample Size:	1 grams
Date Received:	05/31/94	Extract Vol.:	500 uL
Date Extracted:	06/09/94	Dil. Factor:	10
Date Analyzed:	06/13/94	GPC Factor:	2
		% Moisture:	6.4

Compounds:	ug/Kg (PPB)		EQL
Phenol	69000	JD	110000
bis(2-Chloroethyl)ether	110000	UD	110000
2-Chlorophenol	67000	JD	110000
1,3-Dichlorobenzene	110000	UD	110000
1,4-Dichlorobenzene	49000	JD	110000
1,2-Dichlorobenzene	110000	UD	110000
2-Methylphenol	110000	UD	110000
2,2'-oxybis(1-Chloropropane)	110000	UD	110000
4-Methylphenol	110000	UD	110000
N-Nitroso-di-n-propylamine	42000	JD	110000
Hexachloroethane	110000	UD	110000
Nitrobenzene	110000	UD	110000
Isophorone	110000	UD	110000
2-Nitrophenol	110000	UD	110000
2,4-Dimethylphenol	110000	UD	110000
bis(2-Chloroethoxy)methane	110000	UD	110000
2,4-Dichlorophenol	110000	UD	110000
1,2,4-Trichlorobenzene	51000	JD	110000
Naphthalene	110000	UD	110000
4-Chloroaniline	110000	UD	110000
Hexachlorobutadiene	110000	UD	110000
4-Chloro-3-methylphenol	67000	JD	110000
2-Methylnaphthalene	110000	UD	110000
Hexachlorocyclopentadiene	110000	UD	110000
2,4,6-Trichlorophenol	110000	UD	110000
2,4,5-Trichlorophenol	270000	UD	270000
2-Chloronaphthalene	110000	UD	110000
2-Nitroaniline	270000	UD	270000
Dimethylphthalate	110000	UD	110000
Acenaphthylene	110000	UD	110000
2,6-Dinitrotoluene	110000	UD	110000
3-Nitroaniline	270000	UD	270000
Acenaphthene	44000	JD	110000
2,4-Dinitrophenol	270000	UD	270000
4-Nitrophenol	24000	JD	270000
Dibenzofuran	110000	UD	110000
2,4-Dinitrotoluene	40000	JD	110000
Diethylphthalate	110000	UD	110000
4-Chlorophenyl-phenylether	110000	UD	110000
Fluorene	110000	UD	110000
4-Nitroaniline	270000	UD	270000
4,6-Dinitro-2-methylphenol	270000	UD	270000

(continued)

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EPA METHOD 8270
TCL SEMIVOLATILE ORGANIC COMPOUND RESULTS

Huntingdon

Client ID: QD1 Lab ID (HSN): 25160MSD RI
Matrix: SOIL Filename: 4164P09

Compounds:	ug/Kg (PPB)			EQL
N-Nitrosodiphenylamine	110000	UD		110000
4-Bromophenyl-phenylether	110000	UD		110000
Hexachlorobenzene	110000	UD		110000
Pentachlorophenol	20000	JD		270000
Phenanthrene	110000	UD		110000
Anthracene	110000	UD		110000
Carbazole	110000	UD		110000
Di-n-butylphthalate	110000	UD		110000
Fluoranthene	110000	UD		110000
Pyrene	87000	JD	Y	110000
Butylbenzylphthalate	110000	UD	Y	110000
3,3'-Dichlorobenzidine	110000	UD	Y	110000
Benz(a)anthracene	110000	UD	Y	110000
Chrysene	110000	UD	Y	110000
bis(2-Ethylhexyl)phthalate	110000	UD	Y	110000
Di-n-octylphthalate	110000	UD	Y	110000
Benzo(b)fluoranthene	110000	UD	Y	110000
Benzo(k)fluoranthene	110000	UD	Y	110000
Benzo(a)pyrene	110000	UD	Y	110000
Indeno(1,2,3-cd)pyrene	110000	UD	Y	110000
Dibenz(a,h)anthracene	110000	UD	Y	110000
Benzo(g,h,i)perylene	110000	UD	Y	110000

Surrogate Recovery			QC LIMITS
2-Fluorophenol	70%JD		25-121%
Phenol-d5	89%JD		24-113%
2-Chlorophenol-d4	85%JD		20-130%
1,2-Dichlorobenzene-d4	91%JD		20-130%
Nitrobenzene-d5	87%JD		23-120%
2-Fluorobiphenyl	111%JD		30-115%
2,4,6-Tribromophenol	50%JD		19-122%
Terphenyl-d14	161%JD	Y	18-137%

TCL = Target Coumpound List EPA Contract Laboratory Program (OLM01)
EQL = Estimated Quantitation Limit (lower calibration limit)
U = Undetected at the given EQL
J = Detected below the EQL (estimated value)
E = Exceeds the upper calibration limit (estimated value)
B = Also detected in the associated Blank
D = Analysis at a secondary Dilution factor
Y = Associated internal standard failed method criteria
Note: All results are reported on a dry weight basis.
Reference: "EPA Test Methods for Evaluating Solid Waste", SW-846, November 1986, 3rd Edition.

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PCB DATA

Huntingdon

METHOD 3550/8080 (PESTICIDE) EXTRACTION SHEET - SOILS

Batch No(s). _____ Balance No.: MO2988

Date Extracted: 6-9-94 Sand Lot: H11738 Na_2SO_4 Lot: 941592

Extracted By: ~~OH~~ SS CU $MeCL_2$ Lot: 941050 Hex Lot: 940224

Reviewed By: _____ Acetone Lot: 941272 Concentrated By/Date: SF 6-9-94 SKM 6-9-94

HSN	HPN	Init CU Sample Wt. (g)	Init OH 100 Surr. ~~200 µL~~	Init ON 100 Spike ~~200 µL~~	Init EK Date 6-11-94 GPC	Init EK Date 6-12-94 F.V.(mL)	% Solids
25067	5019	30.0	✓		Y N		~~79.4%~~
25068		30.0	✓		Y N		
25069		30.0	✓		Y N		
25070		30.0	✓		Y N		
25071		30.0	✓	OH SS	Y N		
① 25072		30.0	✓		Y N		
25073		15.0	✓		Y N		
25074		30.0	✓		Y N		
25075		30.0	✓		Y N		
25076		30.0	✓		Y N		
25147	5037	1.0	✓		Y N	-S	79.4%
25150		1.0	✓		Y N	-S	93.4
25152		1.0	✓		Y N	-S	80.6
25154		1.0	✓		Y N	-S	17
25070 DUP	5019	30.0	✓		Y N		
LCS		30.0	✓	✓	Y N	-S	
* MS		1.0	✓	✓	Y N	-S	
* MSD		1.0	✓	✓	Y N	-S	
BLANK		30.0	✓		Y N	-S	

Comments: * USE SAMPLE 25147 6/9/94 ① USED FOR MS AND MSD ARMY CORE OH 6-9-94. * Highlighted samples were put on GPC as 1 to 10 dilutions except LCS + BLANK 6-11-94 EK

Surrogate ID: 361-45-01 Conc.: 2.0 µg/mL Amount: ~~200 µL~~ 100

Spike ID: 361-45-02 Conc.: ~~1.4 µg/mL~~ see book Amount: ~~200 µL~~ 100

Extracts: HPN - 5037 - 5039

Relinquished By: EK 6-12-94 Received By: C Fox 6-12-94 Date: _____

1/94

Huntingdon

METHOD 3550/8080 (PESTICIDE) EXTRACTION SHEET - SOILS

Batch No(s). _____ Balance No.: _____

Date Extracted: _____ Sand Lot: _____ Na_2SO_4 Lot: _____

Extracted By: _____ $MeCL_2$ Lot: _____ Hex Lot: _____

Reviewed By: _____ Acetone Lot: _____ Concentrated By/Date: _____

	HSN	HPN	Init CM Sample Wt. (g)	Init DN Surr ~~200~~ 100 µL	Init DN Spike ~~200~~ 100 µL	Init CM Date 6-1-94 GPC	Init ____ Date ____ F.V.(mL)	% Solids
	25160	50389	1.0	✓		Y N	.5	93.6
	25161	↓	1.0	✓		Y N	.5	95.8
	25162	↓	1.0	✓		Y N	.5	89.3
						Y N		
						Y N		
						Y N		
						Y N		
						Y N		
						Y N		
						Y N		
						Y N		
						Y N		
						Y N		
						Y N		
						Y N		
*	MS		30.0	✓	✓	Y N		
*	MSD		30.0	✓	✓	Y N		
†	MS		1.0	✓	✓	Y N		
†	MSD		1.0	✓	✓	Y N		

Comments: † USE SAMPLE 25160 @ 6/9/94
** USE ARMY ENG SAMPLE

Surrogate ID: 361-45-01 Conc.: 2.0 µg/mL Amount: ~~200~~ 100 µL

Spike ID: 361-45-02 Conc.: ~~1.4 µg/mL~~ see book Amount: ~~200~~ 100 µL

Extracts:
Relinquished By: _____ Received By: _____ Date: _____

C 271 (4/94)

Reported on 13-JUN-1994 at 20:35
Modified on 13-JUN-1994 at 16:34

List Run Sequence File

ANALYST NAME..... C. FOXHOVEN
LIMS ANALYSIS ID..... PA-0612
HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 8080

ANALYSIS INFORMATION

Ch.26 Primary Surrogate from A" calib.

Analysis name..... JUN1294
Method name..... PEST
Calibration name..... PA-0612
Calibration sequence..... Sequential Standard
User parameter 1 name..... FINAL VOLUME (ML)
User parameter 2 name..... GPC, DILUTION FACTOR
User parameter 3 name..... INITIAL AMT (KG/L)

SAMPLE SUMMARY

SAMPLE NUMBER	LIMS ID	SAMPLE NAME
1	----------	HEXANE
2	505-D18-5	PEST MIX A- 1 (LOW)
3	505-D18-4	PEST MIX A- 2 (LOW/MID)
4	505-D18-3	PEST MIX A- 3 (MID)
5	505-D18-2	PEST MIX A- 4 (MID/HIGH)
6	505-D18-1	PEST MIX A- 5 (HIGH)
7	505-D19-5	PEST MIX B- 1 (LOW)
8	505-D19-4	PEST MIX B- 2 (LOW/MID)
9	505-D19-3	PEST MIX B- 3 (MID)
10	505-D19-2	PEST MIX B- 4 (MID/HIGH)
11	505-D19-1	PEST MIX B- 5 (HIGH)
12	505-21-1	PEST 2ND SOURCE
13	505-20-1	EVAL MIX
14	505-D22-4	PCB 1016/1260-1 (LOW)
15	505-D22-3	PCB 1016/1260-2 (LOW/MID)
16	505-D22-2	PCB 1016/1260-3 (MID)
17	505-D22-1	PCB 1016/1260-4 (MID/HIGH)
18	505-26-1	PCB 1016/1260-5 (HIGH)
19	505-22-1	PCB 1016/1260 2ND SOURCE 5.0 UG/ML
20	BLK SOIL	BLK 6/9/94 SOIL
21	LCS SOIL	LCS 6/9/94 SOIL
22	HPN 5037	25152
23	HPN 5037	25154
24	HPN 5037	25150
25	HPN 5037	25147 100X DIL.
26	HPN 5037	25160 100X DIL.
27	HPN 5037	25161 200X DIL.
28	HPN 5039	25162 200X DIL.
29	MS SOIL	MS SOIL (25147) 6/9/94
30	MSD SOIL	MSD SOIL (25147) 6/9/94
31	HEXANE	HEXANE

Reported on 13-JUN-1994 at 20:35
Modified on 13-JUN-1994 at 16:34

SAMPLE NUMBER	LIMS ID	SAMPLE NAME
32	505-D18-3	PEST MIX A CCAL (MID)
33	505-D19-3	PEST MIX B CCAL (MID)
34	505-20-1	EVAL MIX
35	505-D22-1	PCB 1016/1260-3 5.0 UG/ML
36	505-D23-1	PCB 1254 5.0 UG/ML

No.	Sample name	LIMS Id	FINAL VOL	DILUTION	INITIAL AMO
1	HEXANE		1.00000	1.00000	1.00000
2	PEST MIX A- 1 (LOW)	505-D18-	1.00000	1.00000	1.00000
3	PEST MIX A- 2 (LOW/M	505-D18-	1.00000	1.00000	1.00000
4	PEST MIX A- 3 (MID)	505-D18-	1.00000	1.00000	1.00000
5	PEST MIX A- 4 (MID/H	505-D18-	1.00000	1.00000	1.00000
6	PEST MIX A- 5 (HIGH)	505-D18-	1.00000	1.00000	1.00000
7	PEST MIX B- 1 (LOW)	505-D19-	1.00000	1.00000	1.00000
8	PEST MIX B- 2 (LOW/M	505-D19-	1.00000	1.00000	1.00000
9	PEST MIX B- 3 (MID)	505-D19-	1.00000	1.00000	1.00000
10	PEST MIX B- 4 (MID/H	505-D19-	1.00000	1.00000	1.00000
11	PEST MIX B- 5 (HIGH)	505-D19-	1.00000	1.00000	1.00000
12	PEST 2ND SOURCE	505-21-1	1.00000	1.00000	1.00000
13	EVAL MIX	505-20-1	1.00000	1.00000	1.00000
14	PCB 1016/1260-1 (LOW	505-D22-	1.00000	1.00000	1.00000
15	PCB 1016/1260-2 (LOW	505-D22-	1.00000	1.00000	1.00000
16	PCB 1016/1260-3 (MID	505-D22-	1.00000	1.00000	1.00000
17	PCB 1016/1260-4 (MID	505-D22-	1.00000	1.00000	1.00000
18	PCB 1016/1260-5 (HIG	505-26-1	1.00000	1.00000	1.00000
19	PCB 1016/1260 2ND SO	505-22-1	1.00000	1.00000	1.00000
20	BLK 6/9/94 SOIL	BLK SOIL	0.50000	2.00000	0.03000
21	LCS 6/9/94 SOIL	LCS SOIL	0.50000	2.00000	0.03000
22	25152	HPN 5037	0.50000	20.00000	0.00100
23	25154	HPN 5037	0.50000	20.00000	0.00100
24	25150	HPN 5037	0.50000	20.00000	0.00100
25	25147 100X DIL.	HPN 5037	0.50000	2000.00000	0.00100
26	25160 100X DIL.	HPN 5037	0.50000	2000.00000	0.00100
27	25161 200X DIL.	HPN 5037	0.50000	4000.00000	0.00100
28	25162 200X DIL.	HPN 5039	0.50000	4000.00000	0.00100
29	MS SOIL (25147) 6/9/	MS SOIL	0.50000	4000.00000	0.00100
30	MSD SOIL (25147) 6/9	MSD SOIL	0.50000	4000.00000	0.00100
31	HEXANE	HEXANE	1.00000	1.00000	1.00000
32	PEST MIX A CCAL (MID	505-D18-	1.00000	1.00000	1.00000
33	PEST MIX B CCAL (MID	505-D19-	1.00000	1.00000	1.00000
34	EVAL MIX	505-20-1	1.00000	1.00000	1.00000
35	PCB 1016/1260-3 5.0	505-D22-	1.00000	1.00000	1.00000
36	PCB 1254 5.0 UG/ML	505-D23-	1.00000	1.00000	1.00000

USER PARAMETER VALUES

SAMPLE	FINAL VOLUME (ML)	GPC, DILUTION FACTOR	INITIAL AMT (KG/L
1	1.00000	1.00000	1.00000
2	1.00000	1.00000	1.00000
3	1.00000	1.00000	1.00000
4	1.00000	1.00000	1.00000
5	1.00000	1.00000	1.00000
6	1.00000	1.00000	1.00000
7	1.00000	1.00000	1.00000
8	1.00000	1.00000	1.00000
9	1.00000	1.00000	1.00000
10	1.00000	1.00000	1.00000
11	1.00000	1.00000	1.00000
12	1.00000	1.00000	1.00000
13	1.00000	1.00000	1.00000
14	1.00000	1.00000	1.00000
15	1.00000	1.00000	1.00000
16	1.00000	1.00000	1.00000
17	1.00000	1.00000	1.00000
18	1.00000	1.00000	1.00000
19	1.00000	1.00000	1.00000
20	0.50000	2.00000	0.03000
21	0.50000	2.00000	0.03000
22	0.50000	20.00000	0.00100
23	0.50000	20.00000	0.00100
24	0.50000	20.00000	0.00100
25	0.50000	2000.00000	0.00100
26	0.50000	2000.00000	0.00100
27	0.50000	4000.00000	0.00100
28	0.50000	4000.00000	0.00100
29	0.50000	4000.00000	0.00100
30	0.50000	4000.00000	0.00100
31	1.00000	1.00000	1.00000
32	1.00000	1.00000	1.00000
33	1.00000	1.00000	1.00000
34	1.00000	1.00000	1.00000
35	1.00000	1.00000	1.00000
36	1.00000	1.00000	1.00000

INTERNAL/DILUTION STANDARDS

SAMPLE NUMBER	ISTD1 AMOUNT	ISTD2 AMOUNT	ISTD3 AMOUNT	DIL1 AMOUNT	DIL2 AMOUNT
1	1.00000	1.00000	1.00000	1.00000	1.00000
2	1.00000	1.00000	1.00000	1.00000	1.00000
3	1.00000	1.00000	1.00000	1.00000	1.00000
4	1.00000	1.00000	1.00000	1.00000	1.00000
5	1.00000	1.00000	1.00000	1.00000	1.00000

SAMPLE NUMBER	ISTD1 AMOUNT	ISTD2 AMOUNT	ISTD3 AMOUNT	DIL1 AMOUNT	DIL2 AMOUNT
6	1.00000	1.00000	1.00000	1.00000	1.00000
7	1.00000	1.00000	1.00000	1.00000	1.00000
8	1.00000	1.00000	1.00000	1.00000	1.00000
9	1.00000	1.00000	1.00000	1.00000	1.00000
10	1.00000	1.00000	1.00000	1.00000	1.00000
11	1.00000	1.00000	1.00000	1.00000	1.00000
12	1.00000	1.00000	1.00000	1.00000	1.00000
13	1.00000	1.00000	1.00000	1.00000	1.00000
14	1.00000	1.00000	1.00000	1.00000	1.00000
15	1.00000	1.00000	1.00000	1.00000	1.00000
16	1.00000	1.00000	1.00000	1.00000	1.00000
17	1.00000	1.00000	1.00000	1.00000	1.00000
18	1.00000	1.00000	1.00000	1.00000	1.00000
19	1.00000	1.00000	1.00000	1.00000	1.00000
20	1.00000	1.00000	1.00000	1.00000	1.00000
21	1.00000	1.00000	1.00000	1.00000	1.00000
22	1.00000	1.00000	1.00000	1.00000	1.00000
23	1.00000	1.00000	1.00000	1.00000	1.00000
24	1.00000	1.00000	1.00000	1.00000	1.00000
25	1.00000	1.00000	1.00000	1.00000	1.00000
26	1.00000	1.00000	1.00000	1.00000	1.00000
27	1.00000	1.00000	1.00000	1.00000	1.00000
28	1.00000	1.00000	1.00000	1.00000	1.00000
29	1.00000	1.00000	1.00000	1.00000	1.00000
30	1.00000	1.00000	1.00000	1.00000	1.00000
31	1.00000	1.00000	1.00000	1.00000	1.00000
32	1.00000	1.00000	1.00000	1.00000	1.00000
33	1.00000	1.00000	1.00000	1.00000	1.00000
34	1.00000	1.00000	1.00000	1.00000	1.00000
35	1.00000	1.00000	1.00000	1.00000	1.00000
36	1.00000	1.00000	1.00000	1.00000	1.00000

PROCESSING ORDER

SAMPLE NUMBER	TYPE
1	Sample
2	Standard
3	Standard
4	Standard
5	Standard
6	Standard
7	Standard
8	Standard
9	Standard
10	Standard
11	Standard
12	Sample
13	Sample
14	Standard

SAMPLE NUMBER	TYPE
15	Standard
16	Standard
17	Standard
18	Standard
19	Sample
20	Sample
21	Sample
22	Sample
23	Sample
24	Sample
25	Sample
26	Sample
27	Sample
28	Sample
29	Sample
30	Sample
31	Sample
32	Sample
33	Sample
34	Sample
35	Sample
36	Sample

List Calibration File

CALIBRATION HEADER INFORMATION

Calibration Title : 8080 PEST MIX A, DB-5, 06/12/94, C. FOXHOVEN
General :
- Calibration type..... External standard
- Units..... µg/mL
- Calibration base..... Area

Reference Peak Identification :
- Reference window..... 5.0 %
- Minimum window..... 0.50 mins
- Peak threshold..... 0.0 %

Uncalibrated Peaks Response Factor :
- Response factor source..... User set response factor
- Response factor..... 0.0000

Additional Information :
- Source library..... None
- Variation tolerance..... 100.00 %

Calibrant Peak Identification :
- Calibrant window..... 0.10 mins
- Calibrant threshold..... 0.0 %

Response Factor Calibration Curve :
- Curve fit..... Quadratic
- Force through zero..... Yes
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Retention Value Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None
- RV Calculation Mode..... Use Actual Retention Times

Timed Calibration Curve :
- Curve fit..... Linear
- Force through zero..... Yes
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Peak name : TCMX
Expected retention time : 9.45 mins (RT range : 9.40 - 9.50 mins)
- Peak window mode..... Local
- Local window..... 0.10 mins
- Group name identifier..... -----
- Peak identification mode..... Nearest
- Must peak..... No
- Reference peak..... No
- Dilution peak..... No

Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0250	1166484.2500	1
A2	0.0500	1002144.6250	1
A3	0.1000	788854.5000	1
A4	0.2500	880590.5000	1
A5	0.5000	935320.4375	1

Peak name : alpha-BHC
Expected retention time : 10.42 mins (RT range : 10.37 - 10.47 mins)
Peak window mode..... Local
Local window..... 0.10 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0250	1637239.3750	1
A2	0.0500	1530759.5000	1
A3	0.1000	1298377.7500	1
A4	0.2500	1557476.3750	1
A5	0.5000	1723801.0000	1

Peak name : gamma-BHC
Expected retention time : 11.22 mins (RT range : 11.17 - 11.27 mins)
Peak window mode..... Local
Local window..... 0.10 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0250	1610828.7500	1
A2	0.0500	1496310.7500	1
A3	0.1000	1220296.1250	1
A4	0.2500	1450396.1250	1
A5	0.5000	1583921.1250	1

Peak name : Heptachlor
Expected retention time : 13.11 mins (RT range : 13.06 - 13.16 mins)

Peak window mode..... Local
Local window..... 0.10 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0250	1411160.1250	1
A2	0.0500	1375487.1250	1
A3	0.1000	1138585.2500	1
A4	0.2500	1364965.1250	1
A5	0.5000	1500338.0000	1

Peak name : alpha-Endosulfan
Expected retention time : 16.18 mins (RT range : 16.11 - 16.25 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0250	875260.7500	1
A2	0.0500	837237.1875	1
A3	0.1000	786737.5000	1
A4	0.2500	969364.1875	1
A5	0.5000	1064990.7500	1

Peak name : Dieldrin
Expected retention time : 16.94 mins (RT range : 16.87 - 17.01 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels

Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0500	932749.0000	1
A2	0.1000	895823.1875	1
A3	0.2000	779294.0625	1
A4	0.5000	987550.6875	1
A5	1.0000	1107495.2500	1

Peak name : Endrin
Expected retention time : 17.55 mins (RT range : 17.48 - 17.62 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0500	752018.4375	1
A2	0.1000	710951.8125	1
A3	0.2000	607315.3750	1
A4	0.5000	819482.2500	1
A5	1.0000	985474.9375	1

Peak name : 4,4-DDD
Expected retention time : 17.90 mins (RT range : 17.83 - 17.97 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0500	615171.5000	1
A2	0.1000	559604.0625	1
A3	0.2000	503809.8438	1
A4	0.5000	671778.9375	1
A5	1.0000	737143.8750	1

Peak name : 4,4-DDT
Expected retention time : 18.99 mins (RT range : 18.92 - 19.06 mins)
Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0500	733237.1875	1
A2	0.1000	644141.2500	1
A3	0.2000	569830.0000	1
A4	0.5000	780085.0000	1
A5	1.0000	843597.6250	1

Peak name : Methoxychlor
Expected retention time : 20.76 mins (RT range : 20.69 - 20.83 mins)
Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.2500	339738.0313	1
A2	0.5000	304534.9063	1
A3	1.0000	264935.9063	1
A4	2.5000	346739.6875	1
A5	5.0000	393239.8125	1

Peak name : DCB
Expected retention time : 30.51 mins (RT range : 30.41 - 30.61 mins)
Peak window mode..... Local
Local window..... 0.20 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels

Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0500	586553.0625	1
A2	0.1000	640172.3125	1
A3	0.2000	558798.3750	1
A4	0.5000	730846.5000	1
A5	1.0000	850502.7500	1

List Calibration File

CALIBRATION HEADER INFORMATION

Calibration Title : 8080 PEST MIX A, DB-1701, 06/12/94, C. FOXHOVEN
General :
- Calibration type..... External standard
- Units..... µg/mL
- Calibration base..... Area

Reference Peak Identification :
- Reference window..... 5.0 %
- Minimum window..... 0.50 mins
- Peak threshold..... 0.0 %

Uncalibrated Peaks Response Factor :
- Response factor source..... User set response factor
- Response factor..... 0.0000

Additional Information :
- Source library..... None
- Variation tolerance..... 100.00 %

Calibrant Peak Identification :
- Calibrant window..... 0.10 mins
- Calibrant threshold..... 0.0 %

Response Factor Calibration Curve :
- Curve fit..... Quadratic
- Force through zero..... Yes
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Retention Value Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None
- RV Calculation Mode..... Use Actual Retention Times

Timed Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Peak name : TCMX
Expected retention time : 8.15 mins (RT range : 8.10 - 8.20 mins)
- Peak window mode..... Local
- Local window..... 0.10 mins
- Group name identifier..... ----
- Peak identification mode..... Nearest
- Must peak..... No
- Reference peak..... No
- Dilution peak..... No

Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0250	539166.1250	1
A2	0.0500	504042.8750	1
A3	0.1000	437736.2813	1
A4	0.2500	487773.9063	1
A5	0.5000	503023.8750	1

Peak name : alpha-BHC
Expected retention time : 10.28 mins (RT range : 10.23 - 10.33 mins)
Peak window mode..... Local
Local window..... 0.10 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0250	717896.5000	1
A2	0.0500	719634.8125	1
A3	0.1000	649251.6250	1
A4	0.2500	769799.4375	1
A5	0.5000	845064.6875	1

Peak name : gamma-BHC
Expected retention time : 11.25 mins (RT range : 11.20 - 11.30 mins)
Peak window mode..... Local
Local window..... 0.10 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0250	692613.1875	1
A2	0.0500	697357.8750	1
A3	0.1000	624375.6250	1
A4	0.2500	734268.3125	1
A5	0.5000	777528.9375	1

Peak name : Heptachlor
Expected retention time : 11.77 mins (RT range : 11.72 - 11.82 mins)

Peak window mode..... Local
Local window..... 0.10 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0250	750327.4375	1
A2	0.0500	750556.0625	1
A3	0.1000	641447.6875	1
A4	0.2500	747368.1250	1
A5	0.5000	808143.4375	1

Peak name : alpha-Endosulfan
Expected retention time : 14.96 mins (RT range : 14.89 - 15.03 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0250	482956.4688	1
A2	0.0500	510228.0000	1
A3	0.1000	471145.2188	1
A4	0.2500	592229.8125	1
A5	0.5000	649568.1875	1

Peak name : Dieldrin
Expected retention time : 15.94 mins (RT range : 15.87 - 16.01 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels

Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0500	550676.6875	1
A2	0.1000	570374.3125	1
A3	0.2000	499482.8125	1
A4	0.5000	600585.4375	1
A5	1.0000	663733.5000	1

Peak name : Endrin
Expected retention time : 16.50 mins (RT range : 16.43 - 16.57 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0500	482917.0938	1
A2	0.1000	470081.7813	1
A3	0.2000	409001.5938	1
A4	0.5000	499653.1875	1
A5	1.0000	581693.6875	1

Peak name : 4,4-DDD
Expected retention time : 17.68 mins (RT range : 17.61 - 17.75 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0500	281597.9375	1
A2	0.1000	275889.7188	1
A3	0.2000	281770.0000	1
A4	0.5000	345951.7813	1
A5	1.0000	372123.8438	1

Peak name : 4,4-DDT
Expected retention time : 18.14 mins (RT range : 18.07 - 18.21 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0500	270645.4375	1
A2	0.1000	265721.4375	1
A3	0.2000	269024.1563	1
A4	0.5000	361396.7500	1
A5	1.0000	384625.6875	1

Peak name : Methoxychlor
Expected retention time : 19.90 mins (RT range : 19.83 - 19.97 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.2500	194281.4219	1
A2	0.5000	190326.2656	1
A3	1.0000	165422.9688	1
A4	2.5000	198892.4375	1
A5	5.0000	221680.7813	1

Peak name : DCB
Expected retention time : 25.06 mins (RT range : 24.96 - 25.16 mins)

Peak window mode..... Local
Local window..... 0.20 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels

Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
A1	0.0500	436366.3750	1
A2	0.1000	443532.3750	1
A3	0.2000	399090.6250	1
A4	0.5000	503708.5313	1
A5	1.0000	562509.8750	1

List Calibration File

CALIBRATION HEADER INFORMATION

Calibration Title : 8080 PEST MIX B, DB-5, 06/12/94, C. FOXHOVEN
General :
- Calibration type..... External standard
- Units..... µg/mL
- Calibration base..... Area

Reference Peak Identification :
- Reference window..... 5.0 %
- Minimum window..... 0.50 mins
- Peak threshold..... 0.0 %

Uncalibrated Peaks Response Factor :
- Response factor source..... User set response factor
- Response factor..... 0.0000

Additional Information :
- Source library..... None
- Variation tolerance..... 100.00 %

Calibrant Peak Identification :
- Calibrant window..... 0.10 mins
- Calibrant threshold..... 0.0 %

Response Factor Calibration Curve :
- Curve fit..... Quadratic
- Force through zero..... Yes
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Retention Value Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None
- RV Calculation Mode..... Use Actual Retention Times

Timed Calibration Curve :
- Curve fit..... Linear
- Force through zero..... Yes
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Peak name : TCMX
Expected retention time : 9.44 mins (RT range : 9.39 - 9.49 mins)
- Peak window mode..... Local
- Local window..... 0.10 mins
- Group name identifier..... ----
- Peak identification mode..... Nearest
- Must peak..... No
- Reference peak..... No
- Dilution peak..... No

Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0250	1140741.7500	1
B2	0.0500	1070757.1250	1
B3	0.1000	939672.1875	1
B4	0.2500	927923.3125	1
B5	0.5000	977463.6250	1

Peak name : beta-BHC
Expected retention time : 10.99 mins (RT range : 10.94 - 11.04 mins)
Peak window mode..... Local
Local window..... 0.10 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0250	724135.3750	1
B2	0.0500	702321.2500	1
B3	0.1000	615444.8125	1
B4	0.2500	639393.8125	1
B5	0.5000	654709.8125	1

Peak name : delta-BHC
Expected retention time : 11.89 mins (RT range : 11.84 - 11.94 mins)
Peak window mode..... Local
Local window..... 0.10 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0250	1159960.2500	1
B2	0.0500	1310394.2500	1
B3	0.1000	1205226.2500	1
B4	0.2500	1298599.3750	1
B5	0.5000	1369820.3750	1

Peak name : Aldrin
Expected retention time : 14.08 mins (RT range : 14.03 - 14.13 mins)

Peak window mode..... Local
Local window..... 0.10 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0250	1248807.3750	1
B2	0.0500	1333179.2500	1
B3	0.1000	1216941.2500	1
B4	0.2500	1340512.0000	1
B5	0.5000	1458905.1250	1

Peak name : Heptachlor epoxide
Expected retention time : 15.12 mins (RT range : 15.05 - 15.19 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0250	1064391.1250	1
B2	0.0500	1102753.2500	1
B3	0.1000	1037275.3125	1
B4	0.2500	1147437.8750	1
B5	0.5000	1251328.7500	1

Peak name : gamma-Chlordane
Expected retention time : 15.78 mins (RT range : 15.71 - 15.85 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels

Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0250	1048985.6250	1
B2	0.0500	1107768.7500	1
B3	0.1000	1029734.4375	1
B4	0.2500	1127128.3750	1
B5	0.5000	1223517.3750	1

Peak name : alpha-Chlordane
Expected retention time : 16.14 mins (RT range : 16.07 - 16.21 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0250	983598.1250	1
B2	0.0500	1030884.0000	1
B3	0.1000	941292.0000	1
B4	0.2500	1078137.5000	1
B5	0.5000	1139591.5000	1

Peak name : 4,4-DDE
Expected retention time : 16.68 mins (RT range : 16.61 - 16.75 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0500	834453.6875	1
B2	0.1000	871291.0625	1
B3	0.2000	834920.7500	1
B4	0.5000	924180.4375	1
B5	1.0000	991882.0000	1

Peak name : beta-Endosulfan
Expected retention time : 17.84 mins (RT range : 17.77 - 17.91 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0500	628074.6250	1
B2	0.1000	671902.3125	1
B3	0.2000	637691.5000	1
B4	0.5000	713120.1250	1
B5	1.0000	785540.3750	1

Peak name : Endrin aldehyde
Expected retention time : 18.25 mins (RT range : 18.18 - 18.32 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0500	349829.3750	1
B2	0.1000	401284.6875	1
B3	0.2000	367538.9375	1
B4	0.5000	426761.3438	1
B5	1.0000	462151.0000	1

Peak name : Endosulfan sulfate
Expected retention time : 18.92 mins (RT range : 18.85 - 18.99 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels

Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0500	611969.8750	1
B2	0.1000	587382.0000	1
B3	0.2000	569736.0625	1
B4	0.5000	652342.3125	1
B5	1.0000	691378.0000	1

Peak name : Endrin ketone
Expected retention time : 20.46 mins (RT range : 20.39 - 20.53 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0500	782289.1250	1
B2	0.1000	813085.6250	1
B3	0.2000	764366.8125	1
B4	0.5000	886558.5625	1
B5	1.0000	962307.1250	1

Peak name : DCB
Expected retention time : 30.51 mins (RT range : 30.41 - 30.61 mins)

Peak window mode..... Local
Local window..... 0.20 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0500	627517.2500	1
B2	0.1000	743645.1250	1
B3	0.2000	618525.1250	1
B4	0.5000	800956.3750	1
B5	1.0000	920989.1250	1

List Calibration File

CALIBRATION HEADER INFORMATION

Calibration Title : 8080 PEST MIX B, DB-1701, 06/12/94, C. FOXHOVEN
General :
- Calibration type..... External standard
- Units..... µg/mL
- Calibration base..... Area

Reference Peak Identification :
- Reference window..... 5.0 %
- Minimum window..... 0.50 mins
- Peak threshold..... 0.0 %

Uncalibrated Peaks Response Factor :
- Response factor source..... User set response factor
- Response factor..... 0.0000

Additional Information :
- Source library..... None
- Variation tolerance..... 100.00 %

Calibrant Peak Identification :
- Calibrant window..... 0.10 mins
- Calibrant threshold..... 0.0 %

Response Factor Calibration Curve :
- Curve fit..... Quadratic
- Force through zero..... Yes
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Retention Value Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None
- RV Calculation Mode..... Use Actual Retention Times

Timed Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Peak name : TCMX
Expected retention time : 8.15 mins (RT range : 8.10 - 8.20 mins)
- Peak window mode..... Local
- Local window..... 0.10 mins
- Group name identifier..... ----
- Peak identification mode..... Nearest
- Must peak..... No
- Reference peak..... No
- Dilution peak..... No

Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0250	527660.5000	1
B2	0.0500	536707.4375	1
B3	0.1000	499242.0938	1
B4	0.2500	500197.9375	1
B5	0.5000	516628.9688	1

Peak name : Aldrin
Expected retention time : 12.46 mins (RT range : 12.41 - 12.51 mins)
Peak window mode..... Local
Local window..... 0.10 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0250	679630.0000	1
B2	0.0500	738291.5625	1
B3	0.1000	712773.8750	1
B4	0.2500	767236.9375	1
B5	0.5000	833603.6875	1

Peak name : beta-BHC
Expected retention time : 13.14 mins (RT range : 13.09 - 13.19 mins)
Peak window mode..... Local
Local window..... 0.10 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0250	315943.8125	1
B2	0.0500	335835.9063	1
B3	0.1000	324298.0625	1
B4	0.2500	317425.9375	1
B5	0.5000	340871.7813	1

Peak name : delta-BHC
Expected retention time : 13.78 mins (RT range : 13.73 - 13.83 mins)
Peak window mode..... Local
Local window..... 0.10 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0250	470890.9063	1
B2	0.0500	543983.2500	1
B3	0.1000	585741.8125	1
B4	0.2500	629022.8125	1
B5	0.5000	690504.1250	1

Peak name : Heptachlor epoxide
Expected retention time : 14.22 mins (RT range : 14.15 - 14.29 mins)
Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0250	567318.8750	1
B2	0.0500	596651.6250	1
B3	0.1000	589949.3125	1
B4	0.2500	656289.1875	1
B5	0.5000	668693.8125	1

Peak name : gamma-chlordane
Expected retention time : 15.09 mins (RT range : 15.02 - 15.16 mins)
Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels

Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0250	521938.2500	1
B2	0.0500	566235.3125	1
B3	0.1000	567167.1250	1
B4	0.2500	592711.8125	1
B5	0.5000	653363.0625	1

Peak name : alpha-chlordane
Expected retention time : 15.24 mins (RT range : 15.17 - 15.31 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0250	571403.0625	1
B2	0.0500	598706.2500	1
B3	0.1000	583119.1875	1
B4	0.2500	612361.8125	1
B5	0.5000	663867.9375	1

Peak name : 4,4-DDE
Expected retention time : 15.51 mins (RT range : 15.44 - 15.58 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0500	391407.6875	1
B2	0.1000	451212.0000	1
B3	0.2000	476371.6250	1
B4	0.5000	491599.5625	1
B5	1.0000	556602.6875	1

Peak name : beta-Endosulfan
Expected retention time : 17.82 mins (RT range : 17.75 - 17.89 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0500	374207.8438	1
B2	0.1000	422330.2813	1
B3	0.2000	421683.7500	1
B4	0.5000	471428.5000	1
B5	1.0000	544102.5625	1

Peak name : Endrin aldehyde
Expected retention time : 18.96 mins (RT range : 18.89 - 19.03 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0500	167142.3281	1
B2	0.1000	192473.5938	1
B3	0.2000	197348.7031	1
B4	0.5000	240743.2031	1
B5	1.0000	267061.1563	1

Peak name : Endosulfan sulfate
Expected retention time : 19.89 mins (RT range : 19.84 - 19.94 mins)

Peak window mode..... Local
Local window..... 0.10 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels

Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0500	423996.6875	1
B2	0.1000	417680.1563	1
B3	0.2000	371857.5625	1
B4	0.5000	427557.0625	1
B5	1.0000	483770.7813	1

Peak name : Endrin ketone
Expected retention time : 21.28 mins (RT range : 21.21 - 21.35 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0500	410511.7500	1
B2	0.1000	439907.0625	1
B3	0.2000	428974.0625	1
B4	0.5000	527503.8750	1
B5	1.0000	512306.1563	1

Peak name : DCB
Expected retention time : 25.05 mins (RT range : 24.95 - 25.15 mins)

Peak window mode..... Local
Local window..... 0.20 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
B1	0.0500	464443.5625	1
B2	0.1000	582353.5625	1
B3	0.2000	488229.5313	1
B4	0.5000	535485.7500	1
B5	1.0000	588602.1250	1

List Calibration File

CALIBRATION HEADER INFORMATION

Calibration Title : PCB 1260, DB-5MS, 0.53mm ID, 06/12/94, C. FOXHOVEN
General :
- Calibration type..... External standard
- Units..... µg/mL
- Calibration base..... Area

Reference Peak Identification :
- Reference window..... 5.0 %
- Minimum window..... 0.50 mins
- Peak threshold..... 0.0 %

Uncalibrated Peaks Response Factor :
- Response factor source..... User set response factor
- Response factor..... 0.0000

Additional Information :
- Source library..... None
- Variation tolerance..... 100.00 %

Calibrant Peak Identification :
- Calibrant window..... 0.10 mins
- Calibrant threshold..... 0.0 %

Response Factor Calibration Curve :
- Curve fit..... Quadratic
- Force through zero..... Yes
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Retention Value Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None
- RV Calculation Mode..... Use Actual Retention Times

Timed Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Peak name : TCMX
Expected retention time : 9.45 mins (RT range : 9.37 - 9.52 mins)
- Peak window mode..... Local
- Local window..... 0.15 mins
- Group name identifier..... ----
- Peak identification mode..... Nearest
- Must peak..... No
- Reference peak..... No
- Dilution peak..... No

Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.0100	1130972.7500	0
P1	0.0500	855098.5625	1
P2	0.1000	818892.0000	1
P3	0.2500	759420.5000	1
P4	0.5000	707485.2500	1
P5	1.0000	652809.7500	1

Peak name : PCB 1260-1
Expected retention time : 17.54 mins (RT range : 17.47 - 17.61 mins)
Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	29820.1309	0
P1	0.5000	29408.0684	1
P2	1.0000	31083.2676	1
P3	2.5000	26825.6309	1
P4	5.0000	24634.3867	1
P5	10.0000	21975.9570	1

Peak name : PCB 1260-2
Expected retention time : 18.26 mins (RT range : 18.19 - 18.33 mins)
Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	39454.7344	0
P1	0.5000	42069.6406	1
P2	1.0000	43061.2773	1
P3	2.5000	39523.5234	1
P4	5.0000	36635.0938	1

Calibration level	Standard amount	Response factor	Calibration count
P5	10.0000	32119.8789	1

Peak name : PCB 1260-3
Expected retention time : 19.02 mins (RT range : 18.95 - 19.09 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	24876.7988	0
P1	0.5000	36389.6445	1
P2	1.0000	42180.6797	1
P3	2.5000	38127.0039	1
P4	5.0000	37382.6641	1
P5	10.0000	32395.0781	1

Peak name : PCB 1260-4
Expected retention time : 19.44 mins (RT range : 19.37 - 19.51 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	15107.7061	0
P1	0.5000	23227.8145	1
P2	1.0000	27038.1094	1
P3	2.5000	22823.3105	1
P4	5.0000	23424.3242	1
P5	10.0000	19687.0957	1

Peak name : PCB 1260-5
Expected retention time : 20.20 mins (RT range : 20.13 - 20.27 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	14699.2988	0
P1	0.5000	18458.7910	1
P2	1.0000	23217.2832	1
P3	2.5000	21932.7969	1
P4	5.0000	20849.2305	1
P5	10.0000	18478.3613	1

Peak name : DCB
Expected retention time : 30.52 mins (RT range : 30.42 - 30.62 mins)

Peak window mode..... Local
Local window..... 0.20 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.0100	433726.2813	0
P1	0.0500	666129.3750	1
P2	0.1000	627307.8750	1
P3	0.2500	646818.3750	1
P4	0.5000	652440.0625	1
P5	1.0000	650287.3125	1

List Calibration File

CALIBRATION HEADER INFORMATION

Calibration Title : PCB 1260, DB-1701, 0.53mm ID, 06/12/94, C. FOXHOVEN
General :
- Calibration type..... External standard
- Units..... µg/mL
- Calibration base..... Area

Reference Peak Identification :
- Reference window..... 5.0 %
- Minimum window..... 0.50 mins
- Peak threshold..... 0.0 %

Uncalibrated Peaks Response Factor :
- Response factor source..... User set response factor
- Response factor..... 0.0000

Additional Information :
- Source library..... None
- Variation tolerance..... 100.00 %

Calibrant Peak Identification :
- Calibrant window..... 0.10 mins
- Calibrant threshold..... 0.0 %

Response Factor Calibration Curve :
- Curve fit..... Quadratic
- Force through zero..... Yes
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Retention Value Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None
- RV Calculation Mode..... Use Actual Retention Times

Timed Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Peak name : TCMX
Expected retention time : 8.15 mins (RT range : 8.07 - 8.22 mins)
- Peak window mode..... Local
- Local window..... 0.15 mins
- Group name identifier..... ----
- Peak identification mode..... Nearest
- Must peak..... No
- Reference peak..... No
- Dilution peak..... No

Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.0100	866876.5000	0
P1	0.0500	430906.7500	1
P2	0.1000	435875.1875	1
P3	0.2500	392446.4688	1
P4	0.5000	394154.7500	1
P5	1.0000	356535.9375	1

Peak name : PCB 1260-1
Expected retention time : 16.73 mins (RT range : 16.66 - 16.80 mins)
Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	50538.7070	0
P1	0.5000	21270.1230	1
P2	1.0000	21357.6719	1
P3	2.5000	18483.4883	1
P4	5.0000	19744.6211	1
P5	10.0000	16748.2598	1

Peak name : PCB 1260-2
Expected retention time : 17.20 mins (RT range : 17.13 - 17.27 mins)
Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	22285.0371	0
P1	0.5000	16307.3389	1
P2	1.0000	11730.3359	1
P3	2.5000	10740.2119	1
P4	5.0000	11720.0830	1

Calibration level	Standard amount	Response factor	Calibration count
P5	10.0000	10053.3389	1

Peak name : PCB 1260-3
Expected retention time : 17.76 mins (RT range : 17.69 - 17.83 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	47737.4414	0
P1	0.5000	19000.4082	1
P2	1.0000	20437.5918	1
P3	2.5000	17578.0742	1
P4	5.0000	19327.1367	1
P5	10.0000	15787.7764	1

Peak name : PCB 1260-4
Expected retention time : 18.62 mins (RT range : 18.55 - 18.69 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	35808.4531	0
P1	0.5000	14297.8418	1
P2	1.0000	15849.8496	1
P3	2.5000	15105.0342	1
P4	5.0000	16940.0820	1
P5	10.0000	13735.0361	1

Peak name : PCB 1260-5
Expected retention time : 19.43 mins (RT range : 19.36 - 19.50 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	42054.6563	0
P1	0.5000	40071.2031	1
P2	1.0000	46268.4922	1
P3	2.5000	44162.8516	1
P4	5.0000	48456.3203	1
P5	10.0000	42339.1367	1

Peak name : DCB
Expected retention time : 25.05 mins (RT range : 24.95 - 25.15 mins)

Peak window mode..... Local
Local window..... 0.20 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.0100	441915.3438	0
P1	0.0500	441131.6250	1
P2	0.1000	404931.5938	1
P3	0.2500	432000.9063	1
P4	0.5000	419301.5000	1
P5	1.0000	419773.8125	1

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 12-JUN-1994 at 21:54
Channel 026 Acquired on 12-JUN-1994 at 22:34

Lims Id : PA-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX A- 1 (LOW)
Sample Id : 505-D18-5
Bottle No : 1

Lims Id : PA-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX A- 1 (LOW)
Sample Id : 505-D18-5
Bottle No : 1

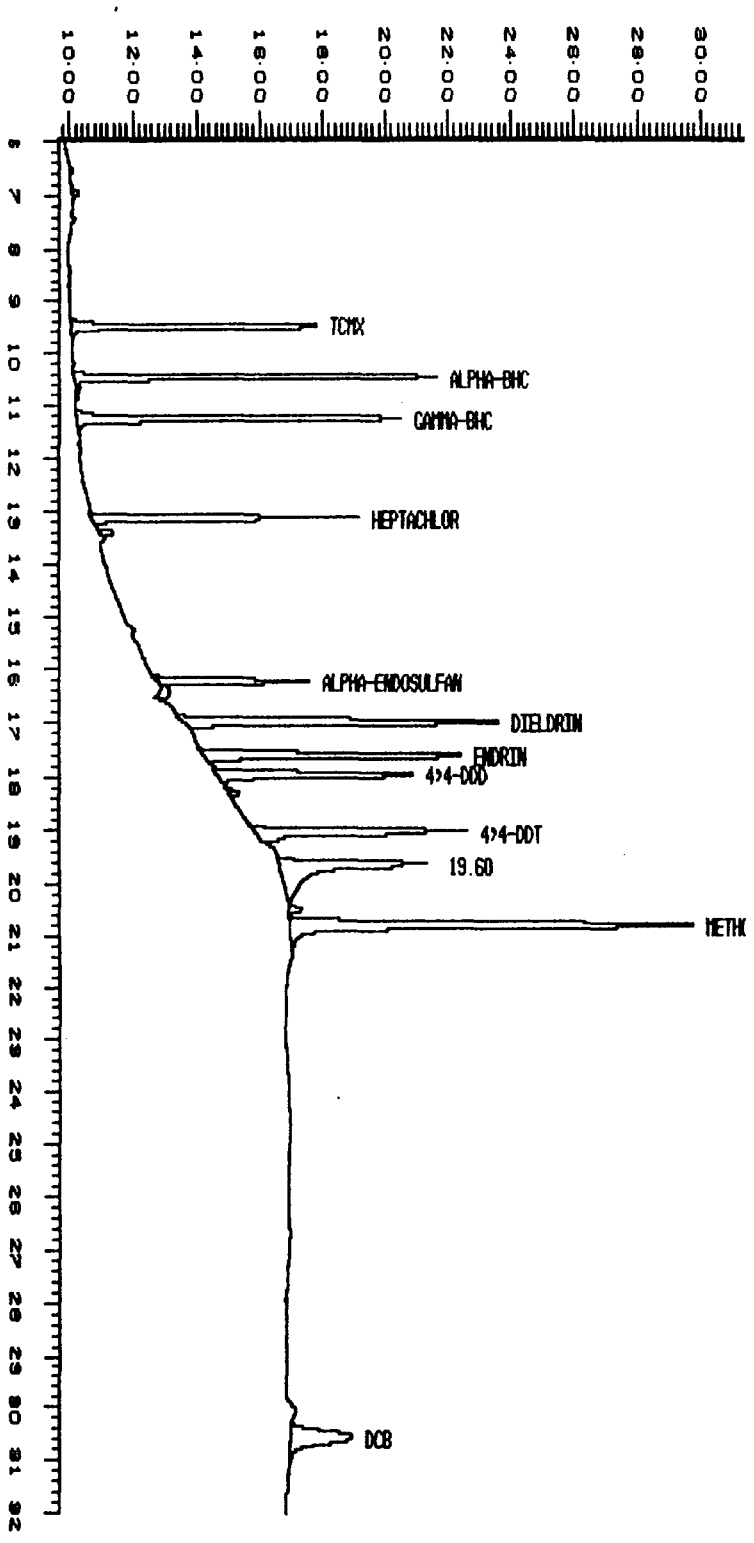
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.250	/0.000		0.0000	/30003	1.192	/0.000		0.0000	/15842
4.308	/0.000		0.0000	/2674	4.868	/0.000		0.0000	/990
9.450	/9.447	TCMX	0.0348	/29162	8.152	/8.154	TCMX	0.0290	/13479
10.419	/10.416	alpha-BHC	0.0298	/40931	10.281	/10.283	alpha-BHC	0.0264	/17947
11.223	/11.221	gamma-BHC	0.0308	/40271	11.250	/11.253	gamma-BHC	0.0259	/17315
13.108	/13.105	Heptachlor	0.0291	/35279	11.766	/11.768	Heptachlor	0.0277	/18758
16.177	/16.178	alpha-Endosulfan	0.0261	/21882	14.952	/14.955	alpha-Endosulfan	0.0238	/12074
16.937	/16.938	Dieldrin	0.0556	/46637	15.938	/15.942	Dieldrin	0.0523	/27534
17.551	/17.550	Endrin	0.0586	/37601	16.494	/16.497	Endrin	0.0577	/24146
17.902	/17.900	4,4-DDD	0.0542	/30759	17.681	/17.682	4,4-DDD	0.0467	/14080
18.997	/18.992	4,4-DDT	0.0554	/36662	18.134	/18.137	4,4-DDT	0.0442	/13532
19.603	/0.000		0.0000	/48793	19.895	/19.899	Methoxychlor	0.2797	/48570
20.766	/20.759	Methoxychlor	0.2938	/84935	21.552	/0.000		0.0000	/15445
30.521	/30.510	DCB	0.0496	/29328	25.063	/25.062	DCB	0.0511	/21818

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,2,1

PEST MIX A- 1 (LOW). Amount : 1.000.

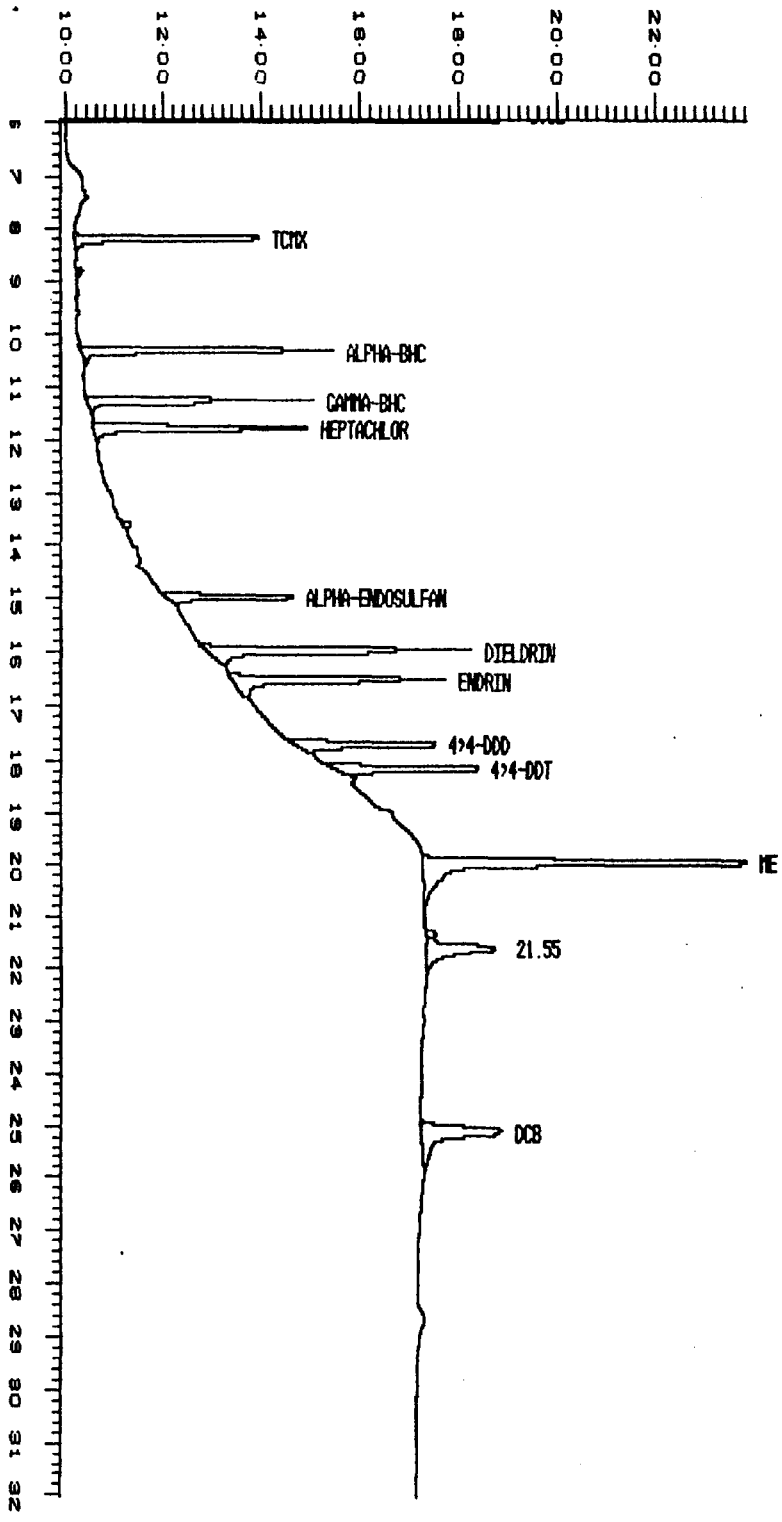
Acquired on 12-JUN-1994 at 21:54
Reported on 13-JUN-1994 at 19:08
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,2,1

PEST MIX A- 1 (LOW). Amount : 1.000.

Acquired on 12-JUN-1994 at 22:34
Reported on 13-JUN-1994 at 19:08
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 12-JUN-1994 at 22:34
Channel 026 Acquired on 12-JUN-1994 at 23:14

Lims Id : PA-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX A- 2 (LOW/MID)
Sample Id : 505-D18-4
Bottle No : 2

Lims Id : PA-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX A- 2 (LOW/MID)
Sample Id : 505-D18-4
Bottle No : 2

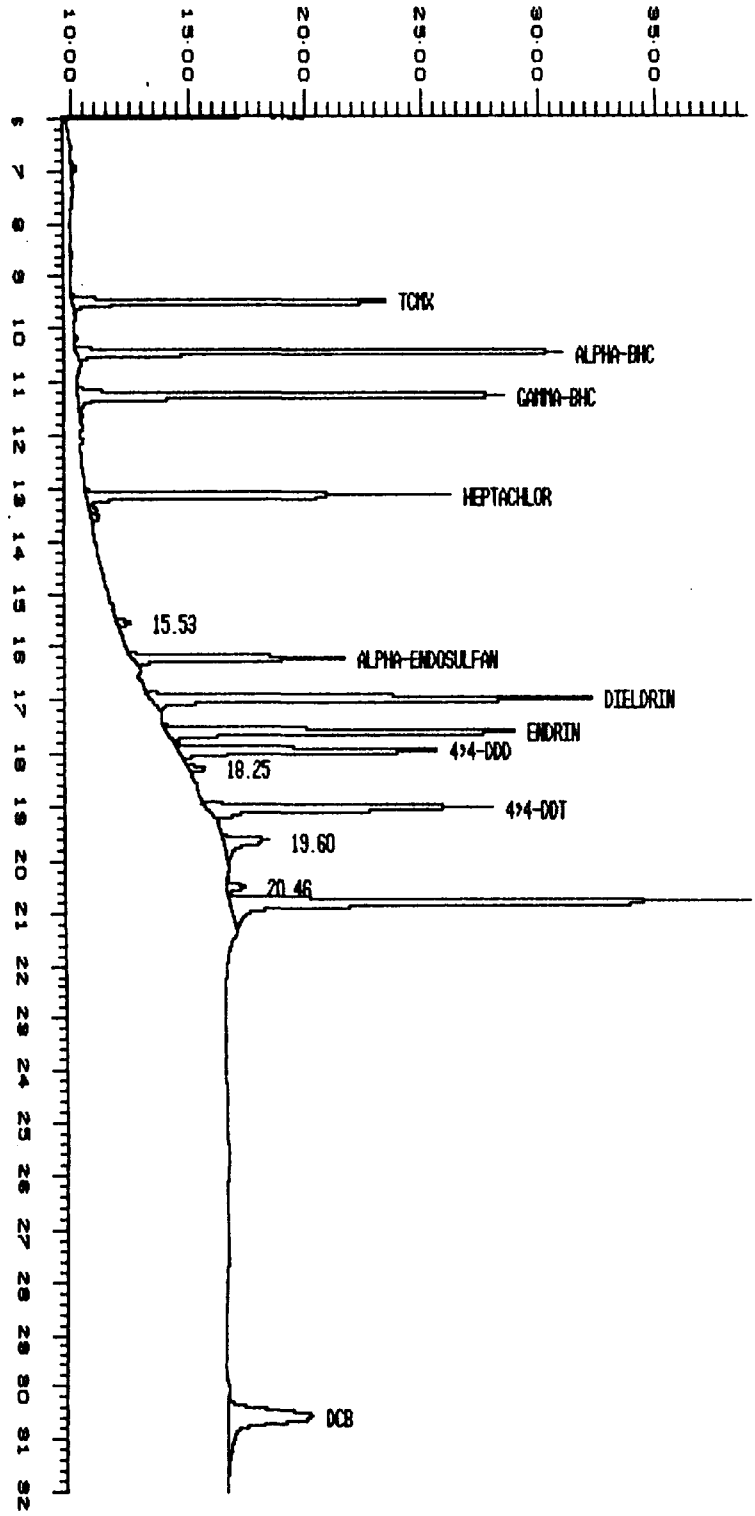
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.250	/0.000		0.0000	/10744	1.192	/0.000		0.0000	/5035
4.308	/0.000		0.0000	/2544	4.877	/0.000		0.0000	/1004
9.450	/9.447	TCMX	0.0595	/50107	8.161	/8.154	TCMX	0.0539	/25202
10.414	/10.416	alpha-BHC	0.0549	/76538	10.290	/10.283	alpha-BHC	0.0522	/35982
11.223	/11.221	gamma-BHC	0.0566	/74816	11.259	/11.253	gamma-BHC	0.0517	/34868
13.108	/13.105	Heptachlor	0.0559	/68774	11.774	/11.768	Heptachlor	0.0548	/37528
15.526	/0.000		0.0000	/2289	14.961	/14.955	alpha-Endosulfan	0.0495	/25511
16.179	/16.178	alpha-Endosulfan	0.0493	/41862	15.947	/15.942	Dieldrin	0.1068	/57037
16.939	/16.938	Dieldrin	0.1049	/89582	16.499	/16.497	Endrin	0.1099	/47008
17.552	/17.550	Endrin	0.1078	/71095	17.690	/17.682	4,4-DDD	0.0906	/27589
17.903	/17.900	4,4-DDD	0.0973	/55960	18.143	/18.137	4,4-DDT	0.0857	/26572
18.254	/0.000		0.0000	/3154	19.909	/19.899	Methoxychlor	0.5398	/95163
18.990	/18.992	4,4-DDT	0.0962	/64414	21.294	/0.000		0.0000	/2220
19.602	/0.000		0.0000	/17163	21.557	/0.000		0.0000	/7053
20.463	/0.000		0.0000	/4552	25.072	/25.062	DCB	0.1020	/44353
20.761	/20.759	Methoxychlor	0.5177	/152267					
30.526	/30.510	DCB	0.1056	/64017					

Huntingdon VAX Multichrom V2.0

[DEEPROJECT] 25 JUN1294,3,1

PEST MIX A- 2 (LOW/MID). Amount : 1.000.

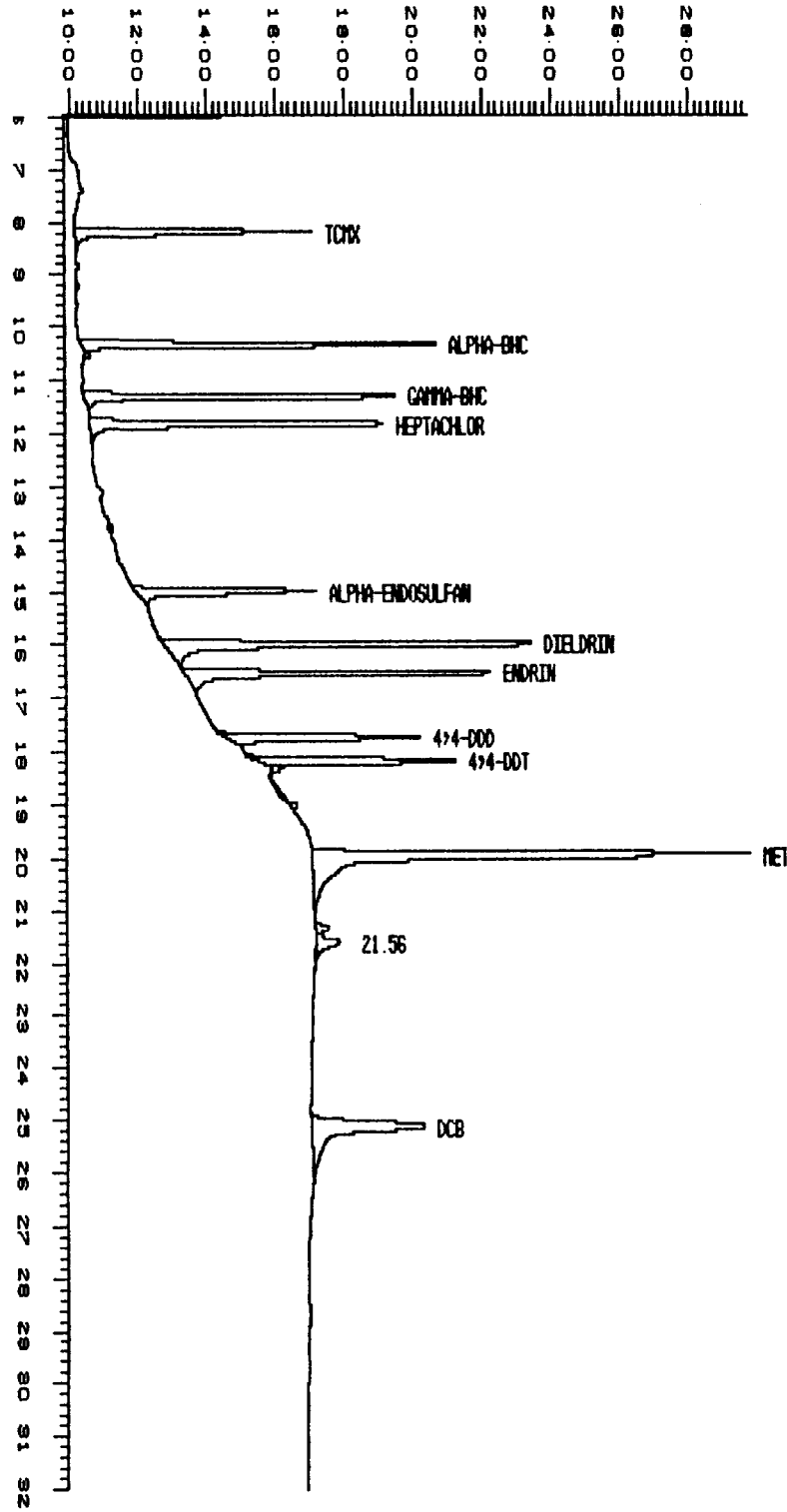
Acquired on 12-JUN-1994 at 22:34
Reported on 13-JUN-1994 at 19:08
Box 1 (of 1)



[DEEPROJECT] 26 JUN1294,3,1

PEST MIX A- 2 (LOW/MID). Amount : 1.000.

Acquired on 12-JUN-1994 at 23:14
Reported on 13-JUN-1994 at 19:08
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 12-JUN-1994 at 23:14
Channel 026 Acquired on 12-JUN-1994 at 23:55

Lims Id : PA-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX A- 3 (MID)
Sample Id : 505-D18-3
Bottle No : 3

Lims Id : PA-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX A- 3 (MID)
Sample Id : 505-D18-3
Bottle No : 3

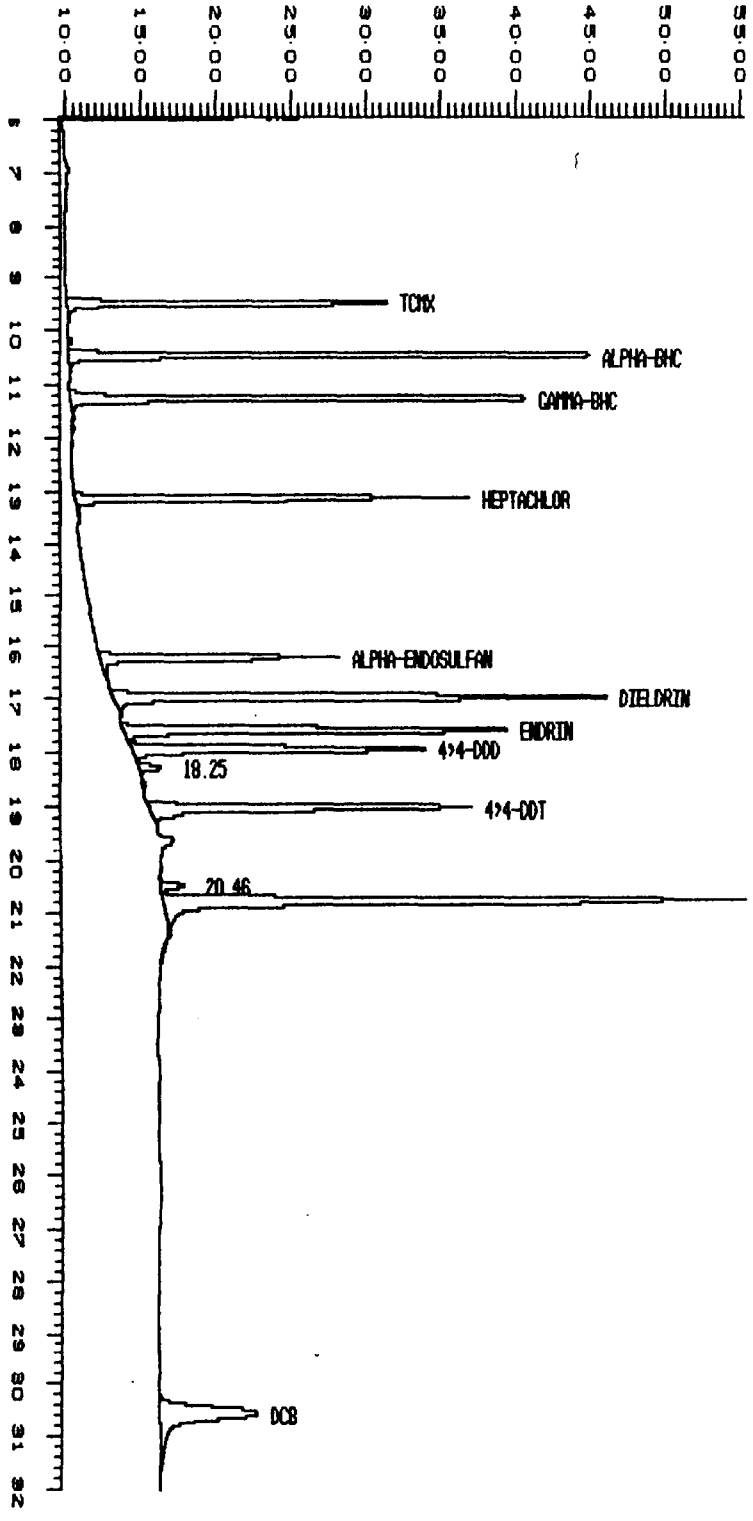
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.241	/0.000		0.0000	/14929	1.188	/0.000		0.0000	/7257
4.303	/0.000		0.0000	/2010	4.868	/0.000		0.0000	/743
9.446	/9.447	TCMX	0.0928	/78885	8.148	/8.154	TCMX	0.0930	/43774
10.414	/10.416	alpha-BHC	0.0913	/129838	10.277	/10.283	alpha-BHC	0.0924	/64925
11.219	/11.221	gamma-BHC	0.0909	/122030	10.499	/0.000		0.0000	/808
13.103	/13.105	Heptachlor	0.0909	/113859	11.250	/11.253	gamma-BHC	0.0913	/62438
16.174	/16.178	alpha-Endosulfan	0.0904	/78674	11.761	/11.768	Heptachlor	0.0922	/64145
16.934	/16.938	Dieldrin	0.1782	/155859	14.952	/14.955	alpha-Endosulfan	0.0893	/47115
17.548	/17.550	Endrin	0.1773	/121463	15.939	/15.942	Dieldrin	0.1833	/99097
17.899	/17.900	4,4-DDD	0.1712	/100762	16.494	/16.497	Endrin	0.1856	/81800
18.250	/0.000		0.0000	/7098	17.681	/17.682	4,4-DDD	0.1809	/56354
18.988	/18.992	4,4-DDT	0.1667	/113966	18.134	/18.137	4,4-DDT	0.1698	/53805
20.459	/0.000		0.0000	/8939	18.317	/0.000		0.0000	/1708
20.757	/20.759	Methoxychlor	0.8770	/264936	18.970	/0.000		0.0000	/1293
30.517	/30.510	DCB	0.1785	/111760	19.898	/19.899	Methoxychlor	0.9181	/165423
					21.286	/0.000		0.0000	/5024
					21.557	/0.000		0.0000	/4785
					25.063	/25.062	DCB	0.1791	/79818

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,4,1

PEST MIX A- 3 (MID). Amount : 1.000.

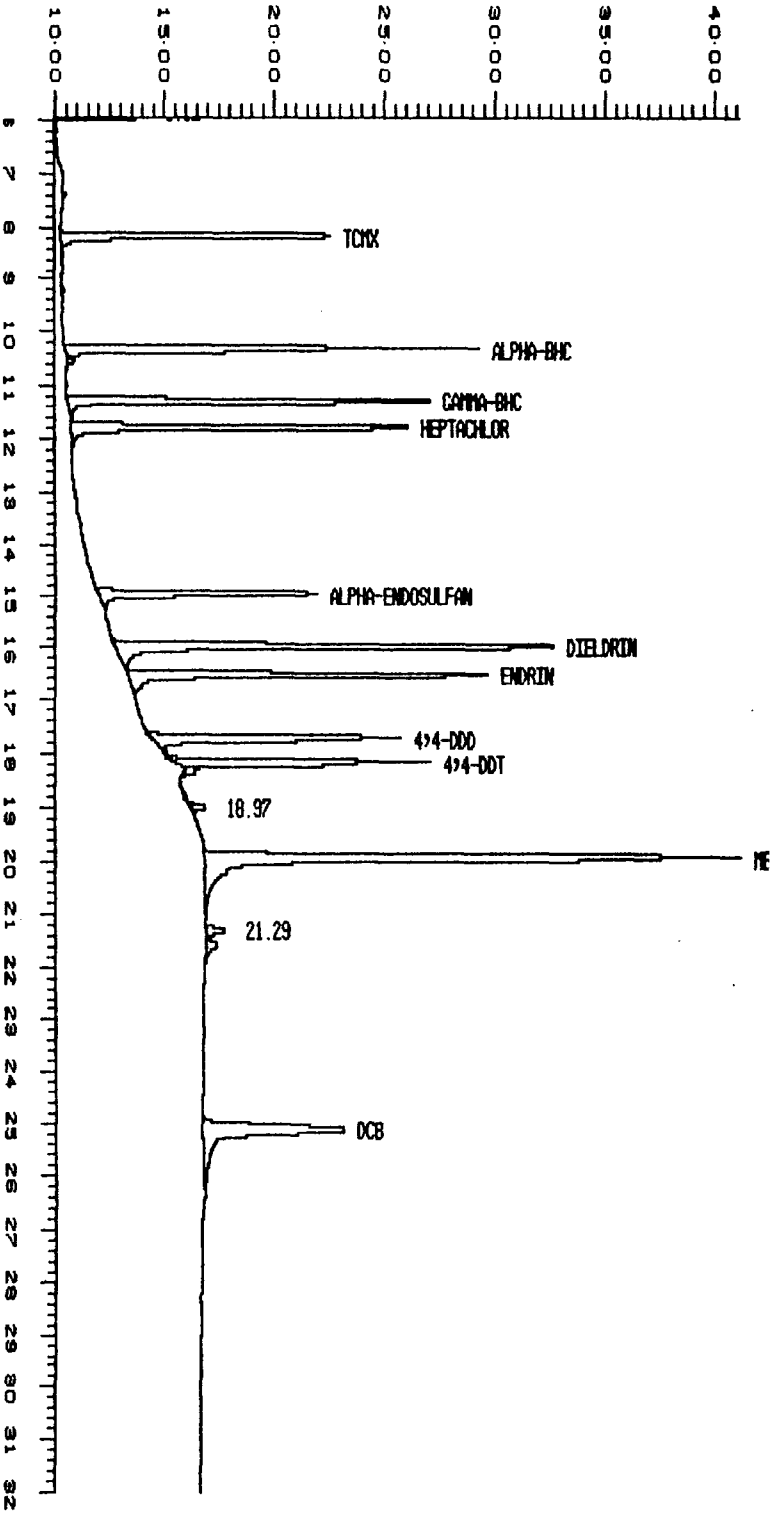
Acquired on 12-JUN-1994 at 23:14
Reported on 13-JUN-1994 at 19:09
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,4,1

PEST MIX A- 3 (MID). Amount : 1.000.

Acquired on 12-JUN-1994 at 23:55
Reported on 13-JUN-1994 at 19:09
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 12-JUN-1994 at 23:55
Channel 026 Acquired on 13-JUN-1994 at 00:35

Lims Id : PA-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX A- 4 (MID/HIGH)
Sample Id : 505-D18-2
Bottle No : 4

Lims Id : PA-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX A- 4 (MID/HIGH)
Sample Id : 505-D18-2
Bottle No : 4

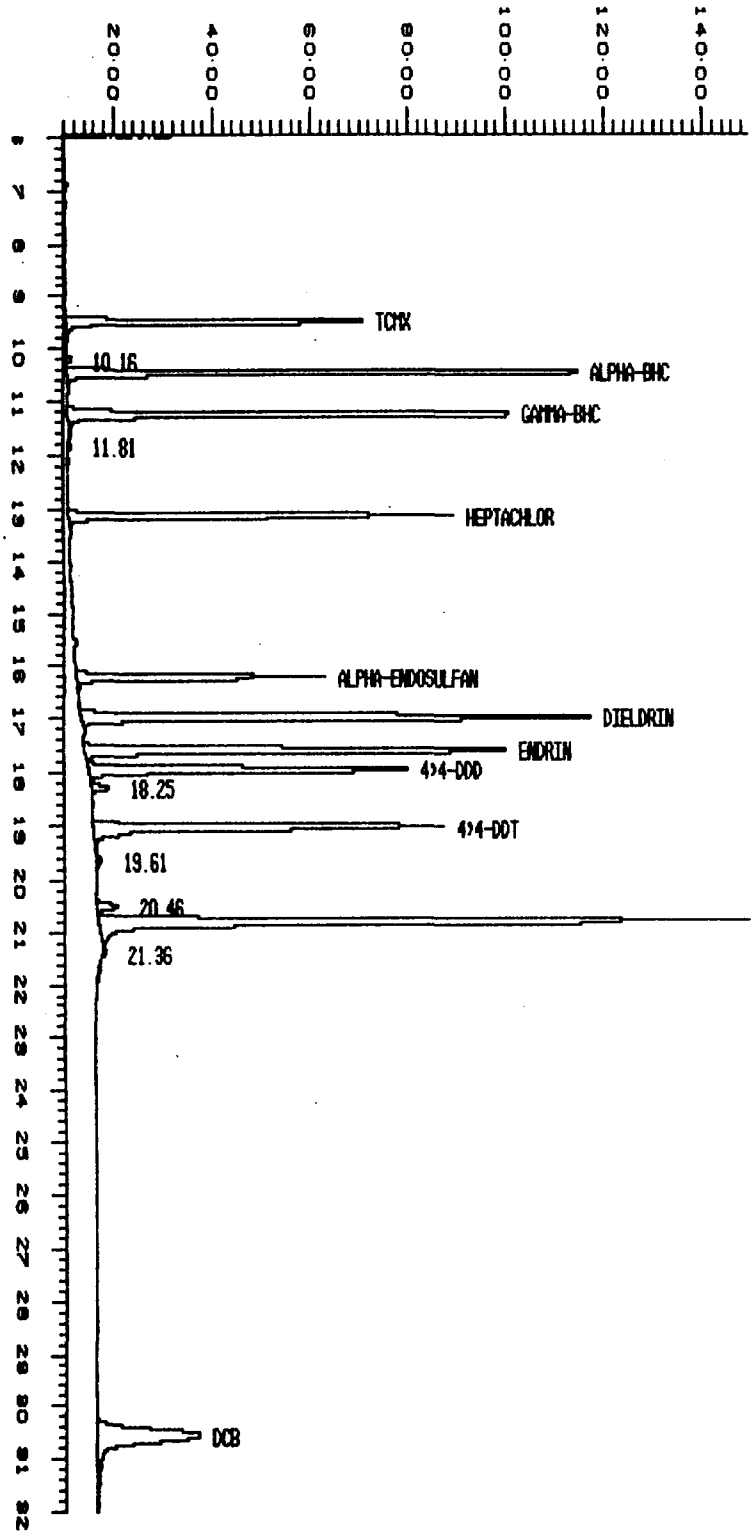
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.246	/0.000		0.0000	/11706	1.192	/0.000		0.0000	/5854
4.303	/0.000		0.0000	/2417	4.872	/0.000		0.0000	/953
9.441	/9.447	TCMX	0.2495	/220148	8.152	/8.154	TCMX	0.2522	/121943
10.161	/0.000		0.0000	/3214	9.174	/0.000		0.0000	/1420
10.410	/10.416	alpha-BHC	0.2526	/389369	10.281	/10.283	alpha-BHC	0.2534	/192450
11.214	/11.221	gamma-BHC	0.2522	/362599	10.503	/0.000		0.0000	/1669
11.806	/0.000		0.0000	/2151	11.250	/11.253	gamma-BHC	0.2544	/183567
13.099	/13.105	Heptachlor	0.2527	/341241	11.766	/11.768	Heptachlor	0.2525	/186842
16.179	/16.178	alpha-Endosulfan	0.2553	/242341	14.952	/14.955	alpha-Endosulfan	0.2562	/148057
16.939	/16.938	Dieldrin	0.5095	/493775	15.939	/15.942	Dieldrin	0.5069	/300293
17.548	/17.550	Endrin	0.5081	/409741	16.494	/16.497	Endrin	0.5037	/249827
17.903	/17.900	4,4-DDD	0.5157	/335889	17.681	/17.682	4,4-DDD	0.5140	/172976
18.254	/0.000		0.0000	/17327	17.966	/0.000		0.0000	/1368
18.992	/18.992	4,4-DDT	0.5184	/390043	18.134	/18.137	4,4-DDT	0.5217	/180698
19.606	/0.000		0.0000	/7353	18.317	/0.000		0.0000	/19448
20.463	/0.000		0.0000	/23687	18.970	/0.000		0.0000	/13804
20.761	/20.759	Methoxychlor	2.5535	/866849	19.899	/19.899	Methoxychlor	2.5287	/497231
30.512	/30.510	DCB	0.5095	/365423	21.286	/0.000		0.0000	/16774
					21.548	/0.000		0.0000	/2069
					25.054	/25.062	DCB	0.5105	/251854

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,5,1

PEST MIX A- 4 (MID/HIGH). Amount : 1.000.

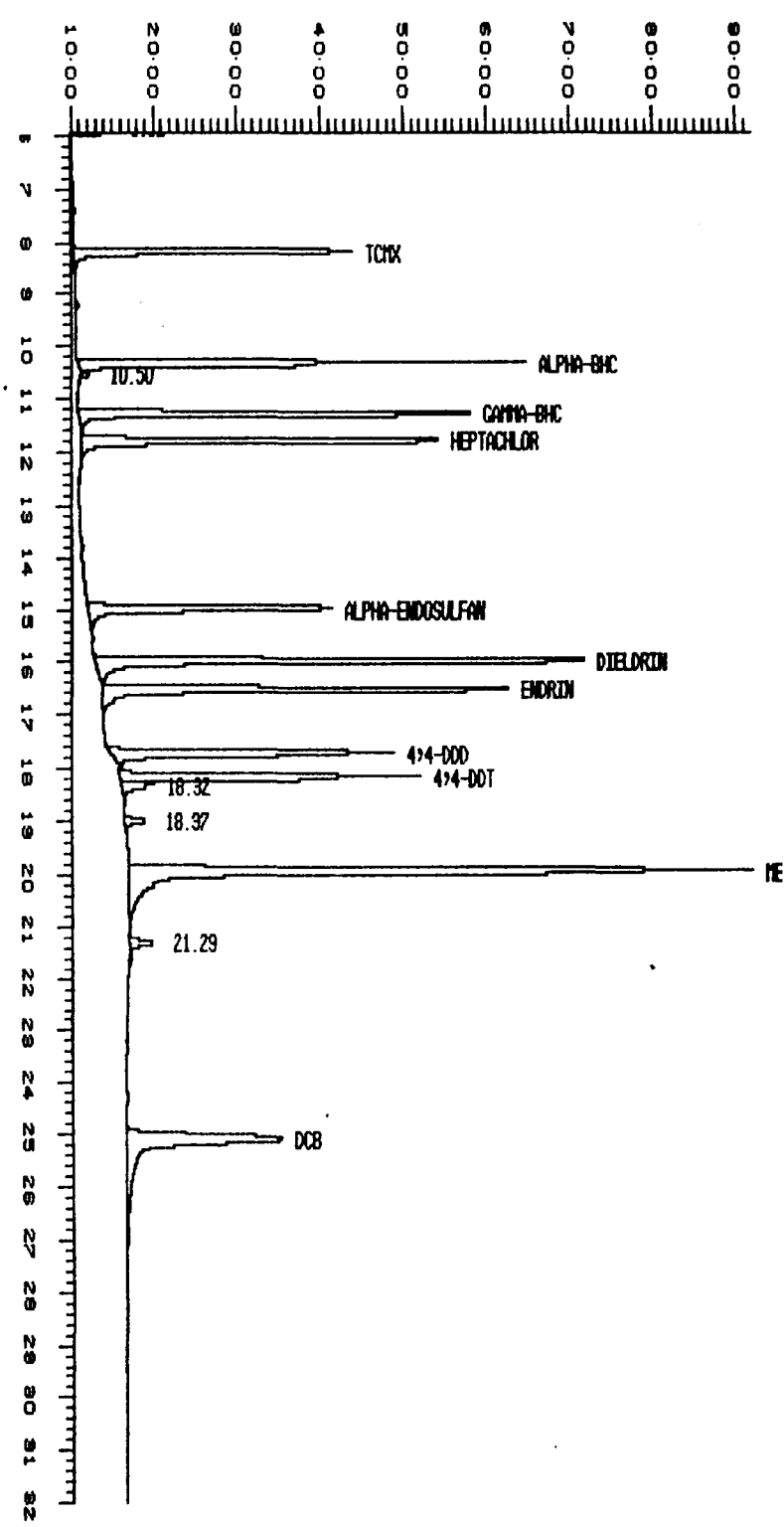
Acquired on 12-JUN-1994 at 23:55
Reported on 13-JUN-1994 at 19:09
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,5,1

PEST MIX A- 4 (MID/HIGH). Amount : 1.000.

Acquired on 13-JUN-1994 at 00:35
Reported on 13-JUN-1994 at 19:09
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 00:35
Channel 026 Acquired on 13-JUN-1994 at 01:15

Lims Id : PA-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX A- 5 (HIGH)
Sample Id : 505-D18-1
Bottle No : 5

Lims Id : PA-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX A- 5 (HIGH)
Sample Id : 505-D18-1
Bottle No : 5

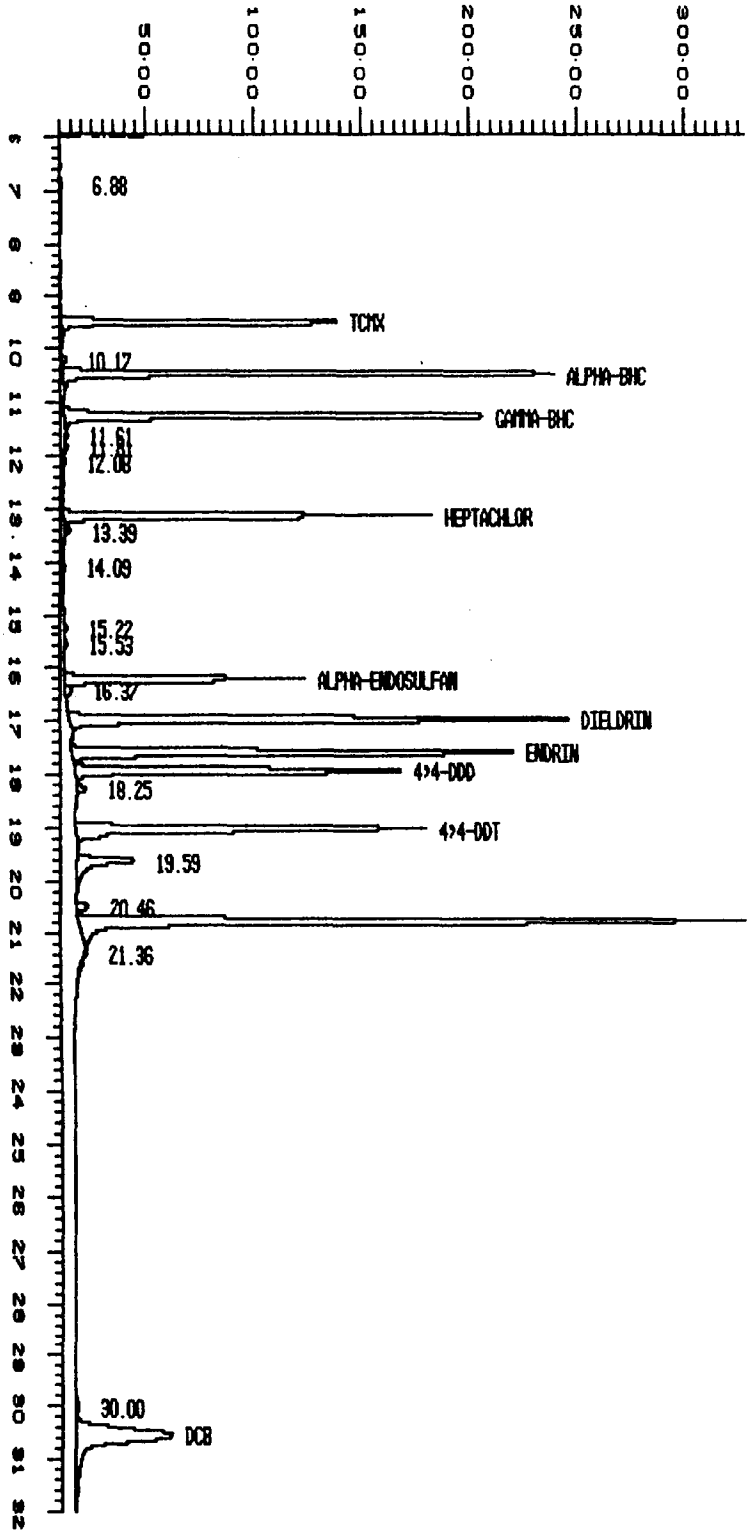
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.250	/0.000		0.0000	/13430	1.201	/0.000		0.0000	/6954
4.303	/0.000		0.0000	/2969	4.877	/0.000		0.0000	/1093
6.877	/0.000		0.0000	/5393	5.579	/0.000		0.0000	/1730
9.450	/9.447	TCMX	0.5003	/467660	8.157	/8.154	TCMX	0.4997	/251512
10.170	/0.000		0.0000	/7255	8.783	/0.000		0.0000	/2018
10.419	/10.416	alpha-BHC	0.4997	/861901	9.179	/0.000		0.0000	/3075
11.223	/11.221	gamma-BHC	0.4998	/791961	9.561	/0.000		0.0000	/1125
11.610	/0.000		0.0000	/3166	10.286	/10.283	alpha-BHC	0.4995	/422532
11.814	/0.000		0.0000	/5117	10.508	/0.000		0.0000	/27431
12.077	/0.000		0.0000	/3075	10.952	/0.000		0.0000	/1064
13.108	/13.105	Heptachlor	0.4997	/750169	11.254	/11.253	gamma-BHC	0.4993	/388764
13.392	/0.000		0.0000	/9577	11.583	/0.000		0.0000	/3905
14.090	/0.000		0.0000	/2686	11.770	/11.768	Heptachlor	0.4997	/404072
15.219	/0.000		0.0000	/5992	13.606	/0.000		0.0000	/3721
15.526	/0.000		0.0000	/4597	14.054	/0.000		0.0000	/2506
16.179	/16.178	alpha-Endosulfan	0.4992	/532495	14.957	/14.955	alpha-Endosulfan	0.4990	/324784
16.374	/0.000		0.0000	/22235	15.943	/15.942	Dieldrin	0.9990	/663734
16.939	/16.938	Dieldrin	0.9987	/1107495	16.499	/16.497	Endrin	0.9996	/581694
17.552	/17.550	Endrin	0.9990	/985475	17.681	/17.682	4,4-DDD	0.9977	/372124
17.899	/17.900	4,4-DDD	0.9976	/737144	18.139	/18.137	4,4-DDT	0.9965	/384626
18.254	/0.000		0.0000	/18755	18.317	/0.000		0.0000	/80332
18.992	/18.992	4,4-DDT	0.9972	/843598	18.970	/0.000		0.0000	/15227
19.588	/0.000		0.0000	/221818	19.899	/19.899	Methoxychlor	4.9961	/1108404
20.463	/0.000		0.0000	/32275	21.290	/0.000		0.0000	/18553
20.757	/20.759	Methoxychlor	4.9925	/1966199	21.548	/0.000		0.0000	/77042
29.997	/0.000		0.0000	/20709	24.303	/0.000		0.0000	/2298
30.503	/30.510	DCB	0.9987	/850503	25.063	/25.062	DCB	0.9984	/562510

Huntingdon VAX Multichrom V2.0

[DEEPROJECT] 25 JUN1294,6,1

PEST MIX A- 5 (HIGH). Amount : 1.000.

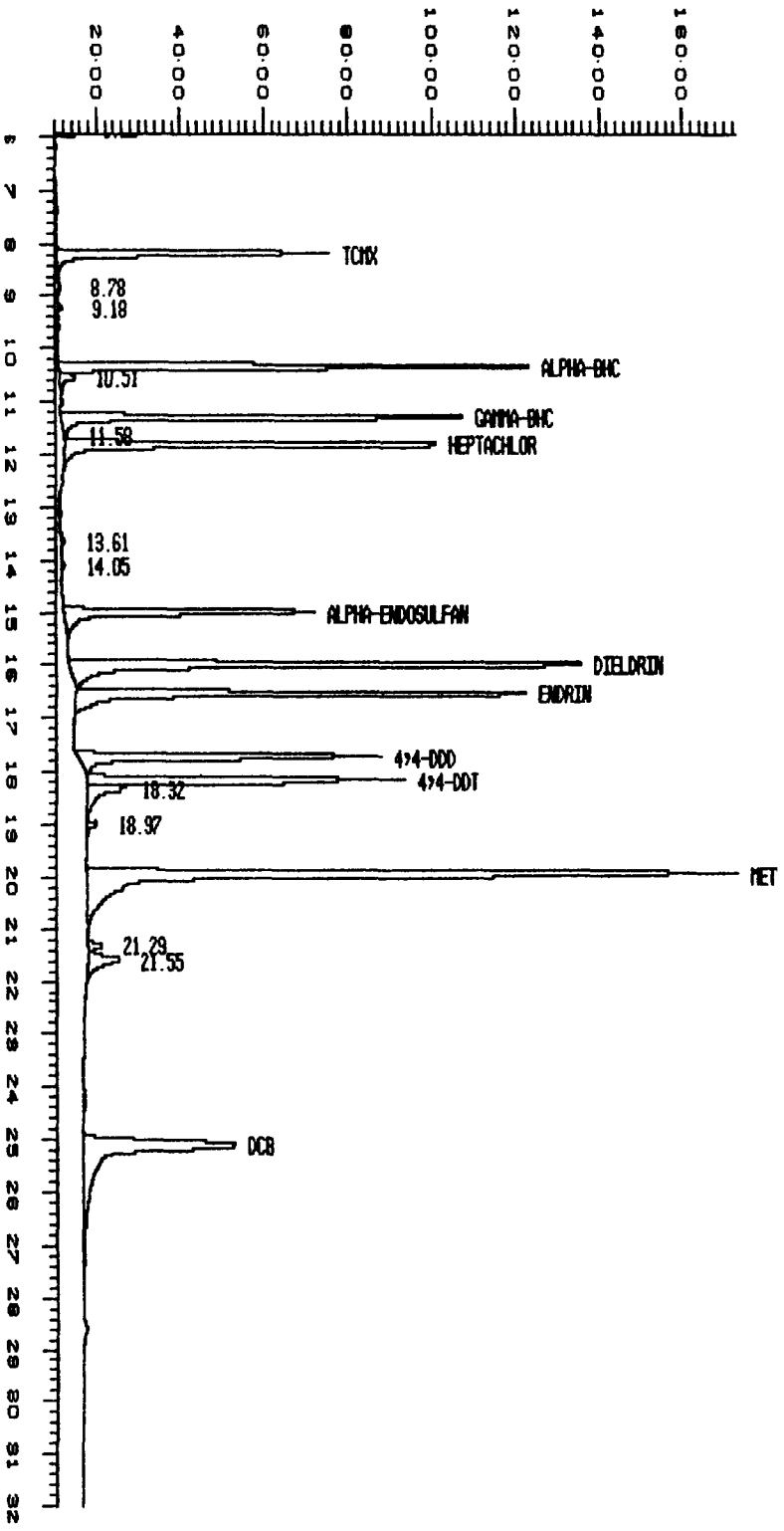
Acquired on 13-JUN-1994 at 00:35
Reported on 13-JUN-1994 at 19:09
Box 1 (of 1)



[DEEPROJECT] 26 JUN1294,6,1

PEST MIX A- 5 (HIGH). Amount : 1.000.

Acquired on 13-JUN-1994 at 01:15
Reported on 13-JUN-1994 at 19:09
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 01:15
Channel 026 Acquired on 13-JUN-1994 at 01:56

Lims Id : PB-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX B- 1 (LOW)
Sample Id : 505-D19-5
Bottle No : 6

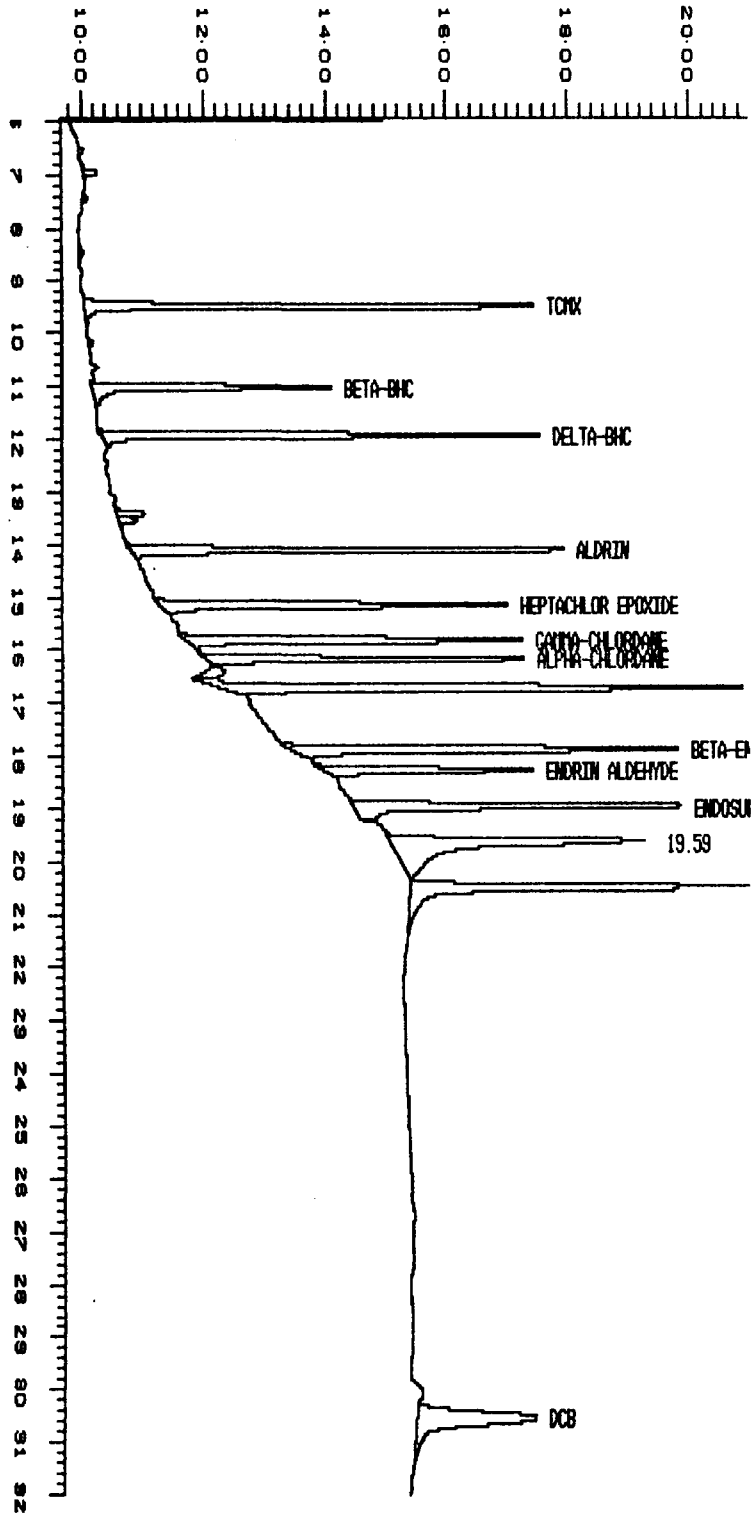
Lims Id : PB-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX B- 1 (LOW)
Sample Id : 505-D19-5
Bottle No : 6

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.250	/0.000		0.0000	/5759	1.183	/0.000		0.0000	/2623
4.308	/0.000		0.0000	/2178	4.863	/0.000		0.0000	/1083
9.446	/9.443	TCMX	0.0310	/28519	8.143	/8.150	TCMX	0.0267	/13192
10.992	/10.986	beta-BHC	0.0287	/18103	12.459	/12.461	Aldrin	0.0241	/16991
11.899	/11.893	delta-BHC	0.0237	/28999	13.139	/13.141	beta-BHC	0.0257	/7899
14.086	/14.084	Aldrin	0.0255	/31220	13.779	/13.781	delta-BHC	0.0208	/11772
15.126	/15.120	Heptachlor epoxide	0.0255	/26610	14.214	/14.217	Heptachlor epoxide	0.0229	/14183
15.779	/15.779	gamma-Chlordane	0.0254	/26225	15.090	/15.093	gamma-chlordane	0.0240	/13048
16.143	/16.141	alpha-Chlordane	0.0248	/24590	15.232	/15.237	alpha-chlordane	0.0251	/14285
16.690	/16.684	4,4-DDE	0.0493	/41723	15.503	/15.507	4,4-DDE	0.0445	/19570
17.843	/17.842	beta-Endosulfan	0.0492	/31404	17.820	/17.824	beta-Endosulfan	0.0464	/18710
18.250	/18.248	Endrin aldehyde	0.0458	/17491	18.961	/18.963	Endrin aldehyde	0.0410	/8357
18.929	/18.924	Endosulfan sulfate	0.0514	/30598	19.886	/19.887	Endosulfan sulfate	0.0565	/21200
19.595	/0.000		0.0000	/43611	21.281	/21.283	Endrin ketone	0.0415	/20526
20.463	/20.458	Endrin ketone	0.0494	/39114	21.543	/0.000		0.0000	/20781
30.512	/30.509	DCB	0.0476	/31376	25.050	/25.051	DCB	0.0474	/23222

[DEEPROJECT] 25 JUN1294,7,1

PEST MIX B- 1 (LOW). Amount : 1.000.

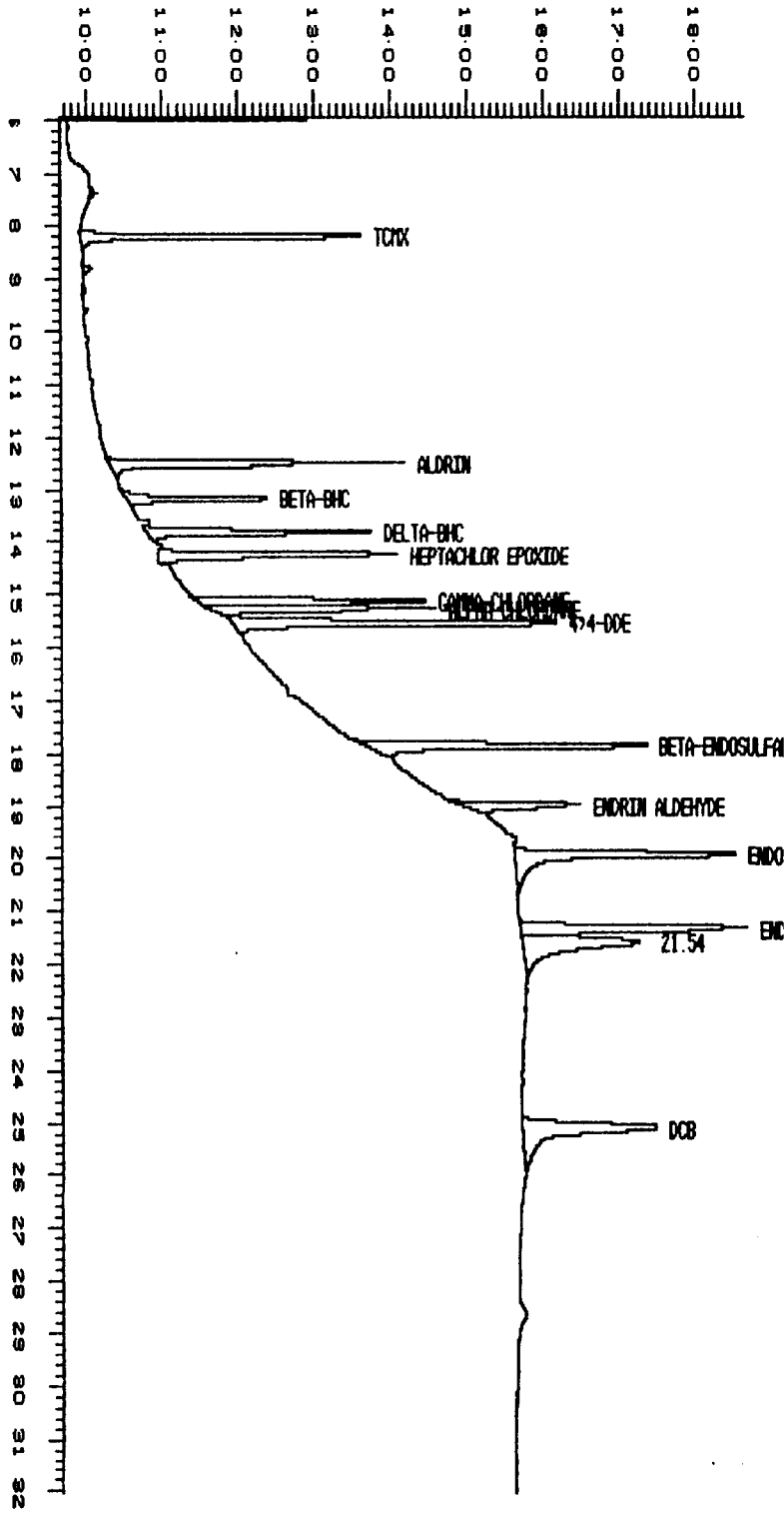
Acquired on 13-JUN-1994 at 01:15
Reported on 13-JUN-1994 at 19:18
Box 1 (of 1)



[DEEPROJECT] 26 JUN1294,7,1

PEST MIX B- 1 (LOW). Amount : 1.000.

Acquired on 13-JUN-1994 at 01:56
Reported on 13-JUN-1994 at 19:18
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 01:56
Channel 026 Acquired on 13-JUN-1994 at 02:36

Lims Id : PB-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX B- 2 (LOW/MID)
Sample Id : 505-D19-4
Bottle No : 7

Lims Id : PB-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX B- 2 (LOW/MID)
Sample Id : 505-D19-4
Bottle No : 7

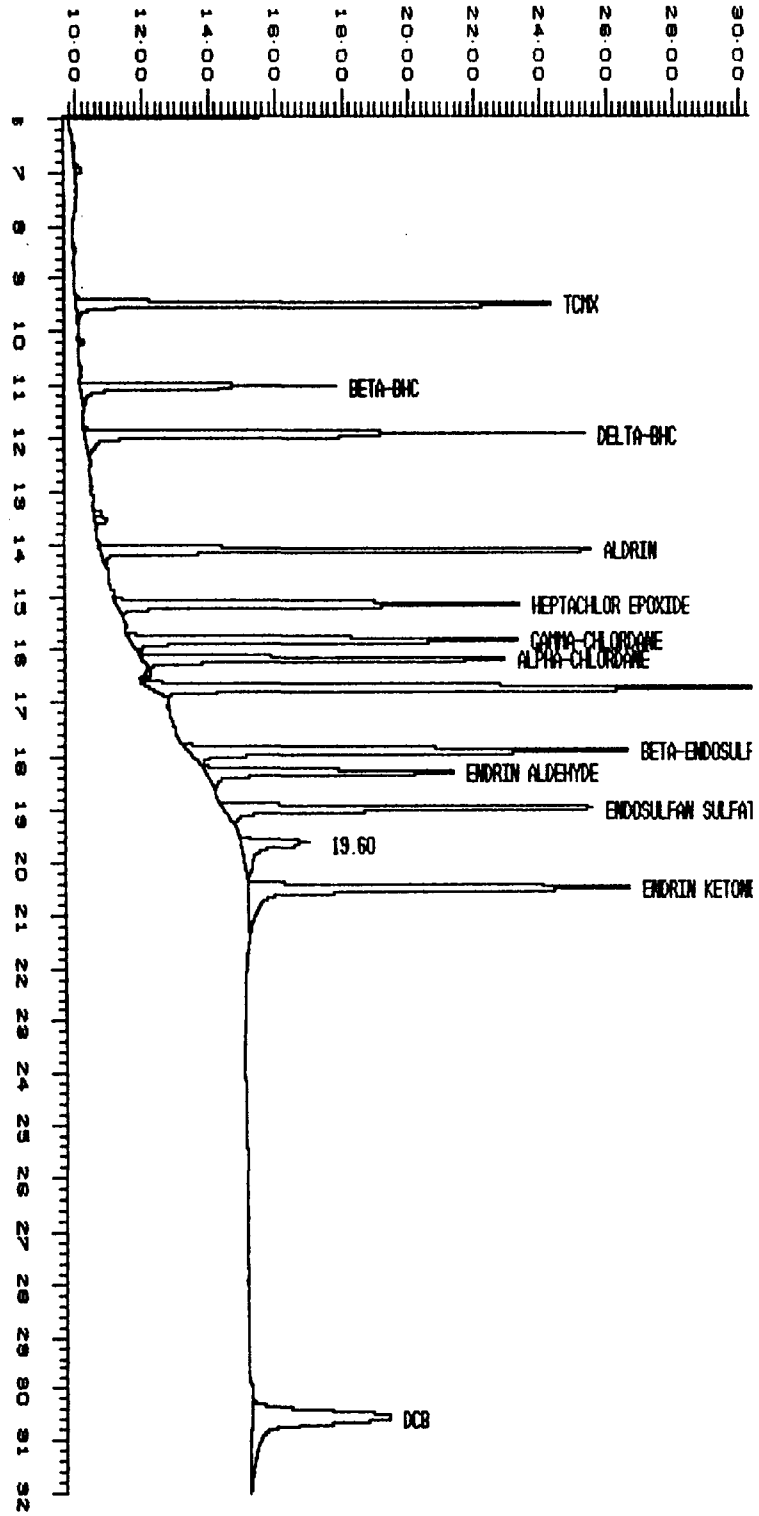
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.246	/0.000		0.0000	/5919	1.192	/0.000		0.0000	/2669
4.299	/0.000		0.0000	/2268	4.117	/0.000		0.0000	/1349
4.743	/0.000		0.0000	/2491	4.868	/0.000		0.0000	/881
9.441	/9.443	TCMX	0.0580	/53538	8.148	/8.150	TCMX	0.0542	/26835
10.988	/10.986	beta-BHC	0.0556	/35116	12.463	/12.461	Aldrin	0.0519	/36915
11.894	/11.893	delta-BHC	0.0532	/65520	13.143	/13.141	beta-BHC	0.0544	/16792
14.086	/14.084	Aldrin	0.0538	/66659	13.783	/13.781	delta-BHC	0.0476	/27199
15.121	/15.120	Heptachlor epoxide	0.0523	/55138	14.219	/14.217	Heptachlor epoxide	0.0479	/29833
15.779	/15.779	gamma-Chlordane	0.0530	/55388	15.094	/15.093	gamma-chlordane	0.0515	/28312
16.143	/16.141	alpha-Chlordane	0.0516	/51544	15.237	/15.237	alpha-chlordane	0.0521	/29935
16.686	/16.684	4,4-DDE	0.1019	/87129	15.512	/15.507	4,4-DDE	0.1010	/45121
17.841	/17.842	beta-Endosulfan	0.1038	/67190	17.825	/17.824	beta-Endosulfan	0.1025	/42233
18.250	/18.248	Endrin aldehyde	0.1038	/40128	18.962	/18.963	Endrin aldehyde	0.0928	/19247
18.926	/18.924	Endosulfan sulfate	0.0979	/58738	19.886	/19.887	Endosulfan sulfate	0.1096	/41768
19.596	/0.000		0.0000	/22360	21.286	/21.283	Endrin ketone	0.0888	/43991
20.459	/20.458	Endrin ketone	0.1015	/81309	25.054	/25.051	DCB	0.1171	/58235
30.508	/30.509	DCB	0.1100	/74365					

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,8,1

PEST MIX B- 2 (LOW/MID). Amount : 1.000.

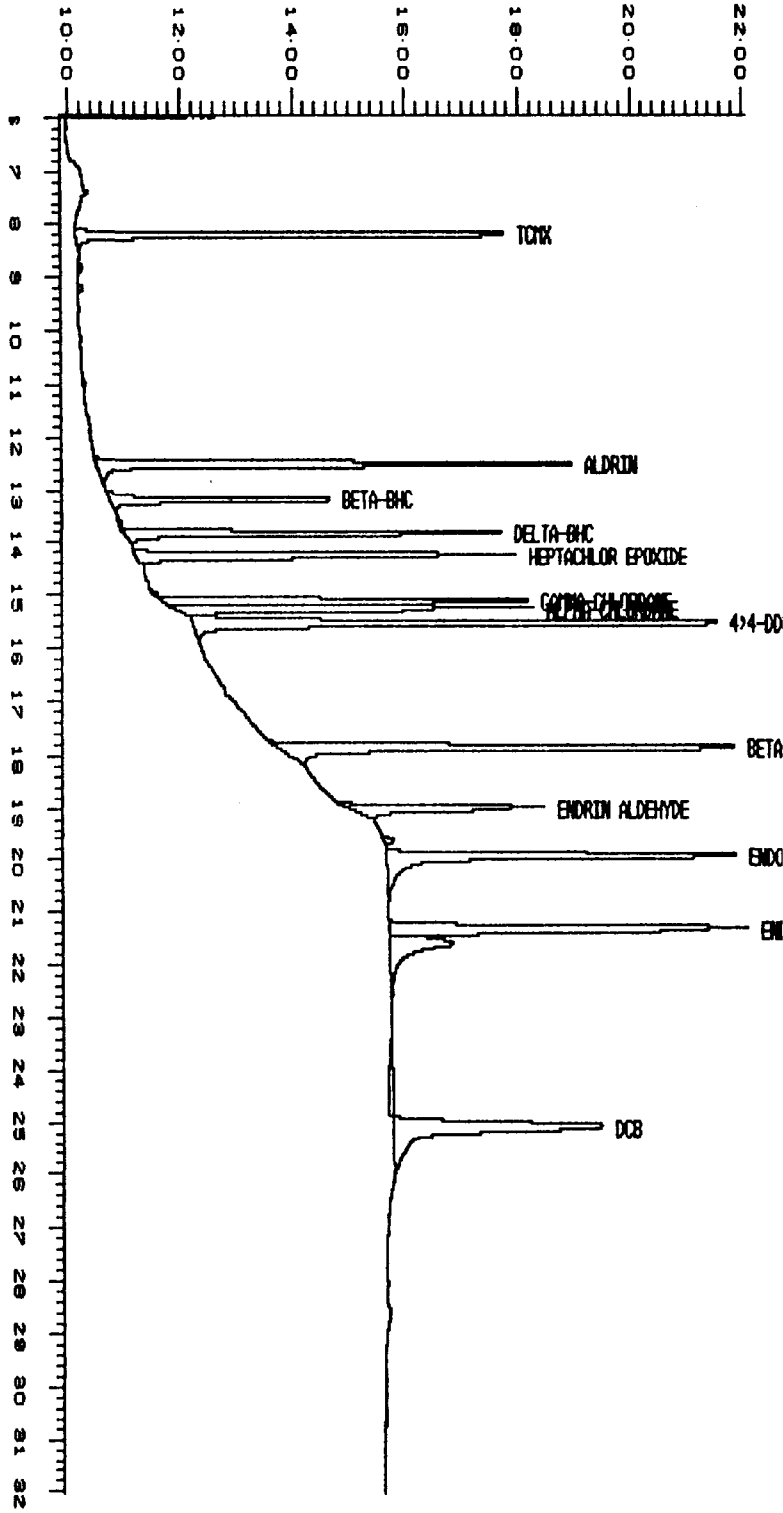
Acquired on 13-JUN-1994 at 01:56
Reported on 13-JUN-1994 at 19:18
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,8,1

PEST MIX B- 2 (LOW/MID). Amount : 1.000.

Acquired on 13-JUN-1994 at 02:36
Reported on 13-JUN-1994 at 19:18
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 02:36
Channel 026 Acquired on 13-JUN-1994 at 03:16

Lims Id : PB-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX B- 3 (MID)
Sample Id : 505-D19-3
Bottle No : 8

Lims Id : PB-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX B- 3 (MID)
Sample Id : 505-D19-3
Bottle No : 8

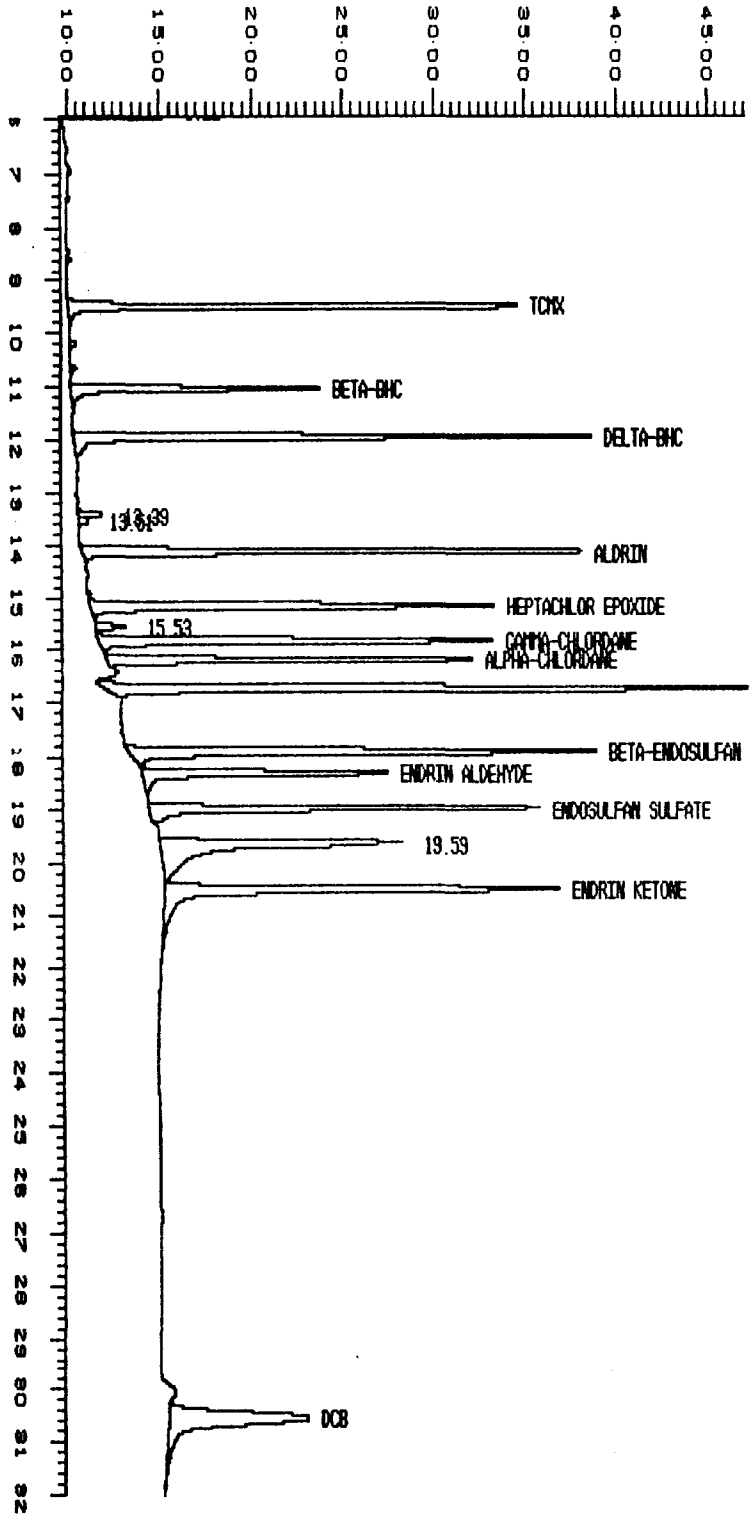
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.250	/0.000		0.0000	/7404	1.192	/0.000		0.0000	/3270
4.303	/0.000		0.0000	/1990	4.117	/0.000		0.0000	/2407
4.748	/0.000		0.0000	/4271	4.868	/0.000		0.0000	/750
9.446	/9.443	TCMX	0.1012	/93967	8.148	/8.150	TCMX	0.1004	/49924
10.992	/10.986	beta-BHC	0.0971	/61544	8.774	/0.000		0.0000	/1217
11.899	/11.893	delta-BHC	0.0968	/120523	12.459	/12.461	Aldrin	0.0984	/71277
13.388	/0.000		0.0000	/6366	13.139	/13.141	beta-BHC	0.1038	/32430
13.512	/0.000		0.0000	/2779	13.597	/0.000		0.0000	/2273
14.090	/14.084	Aldrin	0.0965	/121694	13.779	/13.781	delta-BHC	0.1000	/58574
15.126	/15.120	Heptachlor epoxide	0.0966	/103728	14.214	/14.217	Heptachlor epoxide	0.0940	/58995
15.526	/0.000		0.0000	/6834	15.090	/15.093	gamma-chlordane	0.1011	/56717
15.783	/15.779	gamma-Chlordane	0.0970	/102973	15.232	/15.237	alpha-chlordane	0.0998	/58312
16.143	/16.141	alpha-Chlordane	0.0930	/94129	15.503	/15.507	4,4-DDE	0.2072	/95274
16.690	/16.684	4,4-DDE	0.1922	/166984	17.819	/17.824	beta-Endosulfan	0.1980	/84337
17.846	/17.842	beta-Endosulfan	0.1930	/127538	18.957	/18.963	Endrin aldehyde	0.1848	/39470
18.250	/18.248	Endrin aldehyde	0.1867	/73508	19.881	/19.887	Endosulfan sulfate	0.1905	/74372
18.930	/18.924	Endosulfan sulfate	0.1870	/113947	21.277	/21.283	Endrin ketone	0.1725	/85795
19.592	/0.000		0.0000	/123852	21.539	/0.000		0.0000	/69960
20.463	/20.458	Endrin ketone	0.1872	/152873	25.046	/25.051	DCB	0.1933	/97646
30.499	/30.509	DCB	0.1780	/123705					

Huntingdon VAX Multichrom V2.0

[DEEPROJECT] 25 JUN1294,9,1

PEST MIX B- 3 (MID). Amount : 1.000.

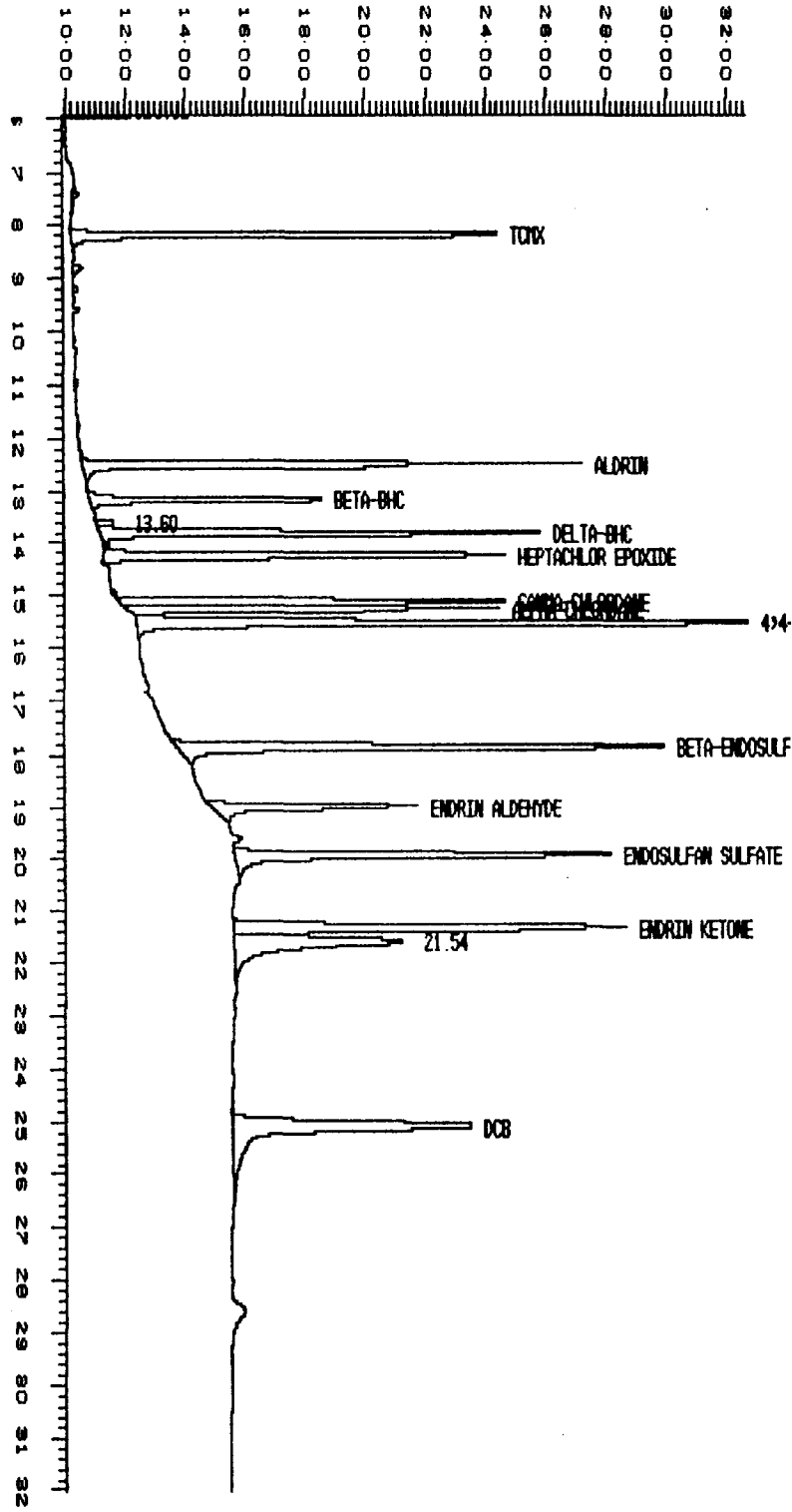
Acquired on 13-JUN-1994 at 02:36
Reported on 13-JUN-1994 at 19:19
Box 1 (of 1)



[DEEPROJECT] 26 JUN1294,9,1

PEST MIX B- 3 (MID). Amount : 1.000.

Acquired on 13-JUN-1994 at 03:16
Reported on 13-JUN-1994 at 19:19
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 03:16
Channel 026 Acquired on 13-JUN-1994 at 03:57

Lims Id : PB-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX B- 4 (MID/HIGH)
Sample Id : 505-D19-2
Bottle No : 9

Lims Id : PB-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX B- 4 (MID/HIGH)
Sample Id : 505-D19-2
Bottle No : 9

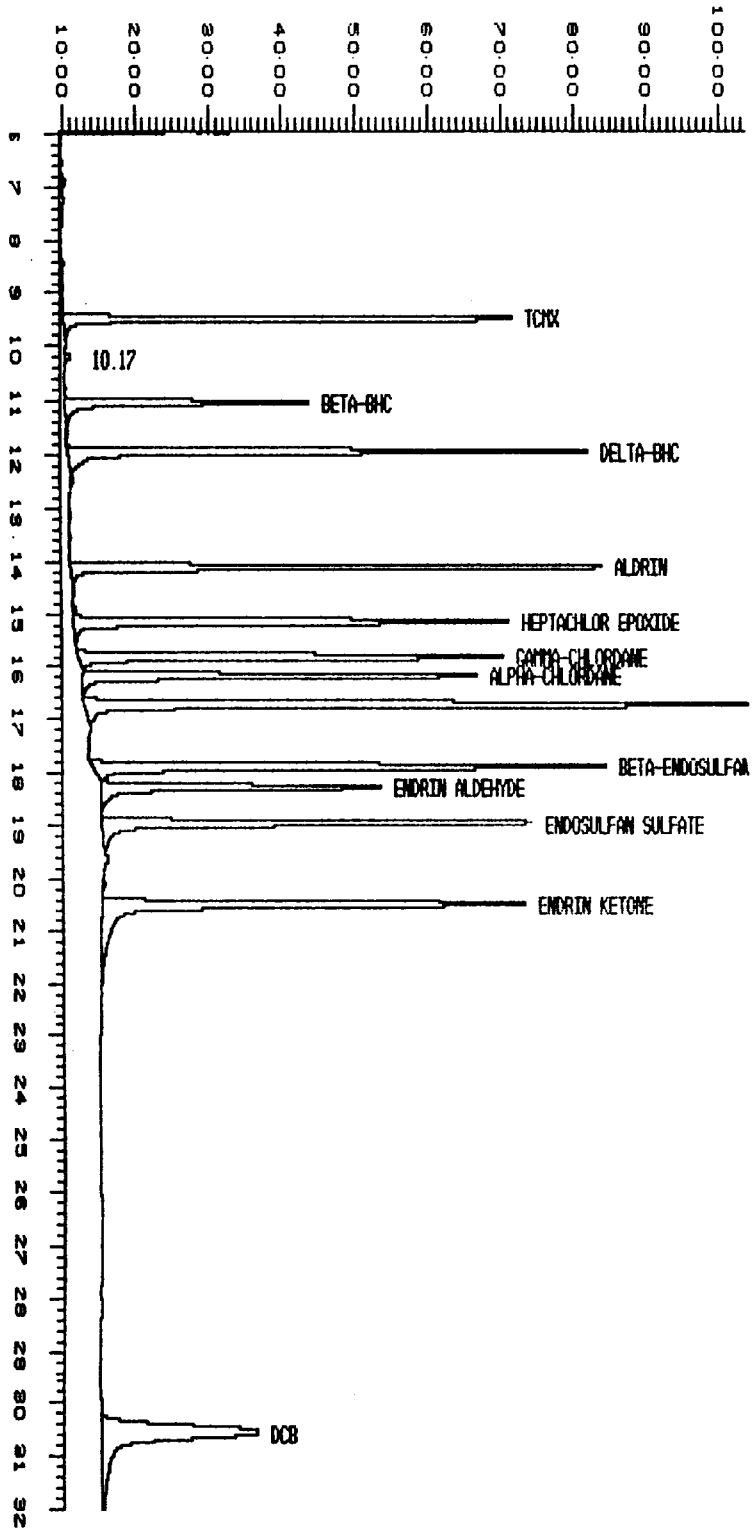
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.246	/0.000		0.0000	/18498	1.192	/0.000		0.0000	/9165
4.303	/0.000		0.0000	/2398	4.117	/0.000		0.0000	/6193
4.748	/0.000		0.0000	/10816	4.868	/0.000		0.0000	/861 •
9.446	/9.443	TCMX	0.2454	/231981	8.148	/8.150	TCMX	0.2480	/125049
10.166	/0.000		0.0000	/3061	9.170	/0.000		0.0000	/1516
10.988	/10.986	beta-BHC	0.2492	/159848	10.939	/0.000		0.0000	/939
11.894	/11.893	delta-BHC	0.2511	/324650	12.459	/12.461	Aldrin	0.2505	/191809
14.086	/14.084	Aldrin	0.2507	/335128	13.139	/13.141	beta-BHC	0.2461	/79356
15.121	/15.120	Heptachlor epoxide	0.2512	/286859	13.779	/13.781	delta-BHC	0.2514	/157256
15.779	/15.779	gamma-Chlordane	0.2507	/281782	14.214	/14.217	Heptachlor epoxide	0.2547	/164072
16.143	/16.141	alpha-Chlordane	0.2536	/269534	14.943	/0.000		0.0000	/1266
16.686	/16.684	4,4-DDE	0.5041	/462090	15.090	/15.093	gamma-chlordane	0.2490	/148178
17.841	/17.842	beta-Endosulfan	0.5029	/356560	15.232	/15.237	alpha-chlordane	0.2494	/153090
18.250	/18.248	Endrin aldehyde	0.5070	/213381	15.508	/15.507	4,4-DDE	0.4965	/245800
18.926	/18.924	Endosulfan sulfate	0.5080	/326171	17.819	/17.824	beta-Endosulfan	0.5009	/235714
20.459	/20.458	Endrin ketone	0.5069	/443279	18.961	/18.963	Endrin aldehyde	0.5116	/120372
30.508	/30.509	DCB	0.5091	/400478	19.583	/0.000		0.0000	/4297
					19.886	/19.887	Endosulfan sulfate	0.5014	/213779
					21.281	/21.283	Endrin ketone	0.5226	/263752
					25.054	/25.051	DCB	0.4989	/267743

Huntingdon VAX Multichrom V2.0

[DEEPROJECT] 25 JUN1294,10,1

PEST MIX B- 4 (MID/HIGH). Amount : 1.000.

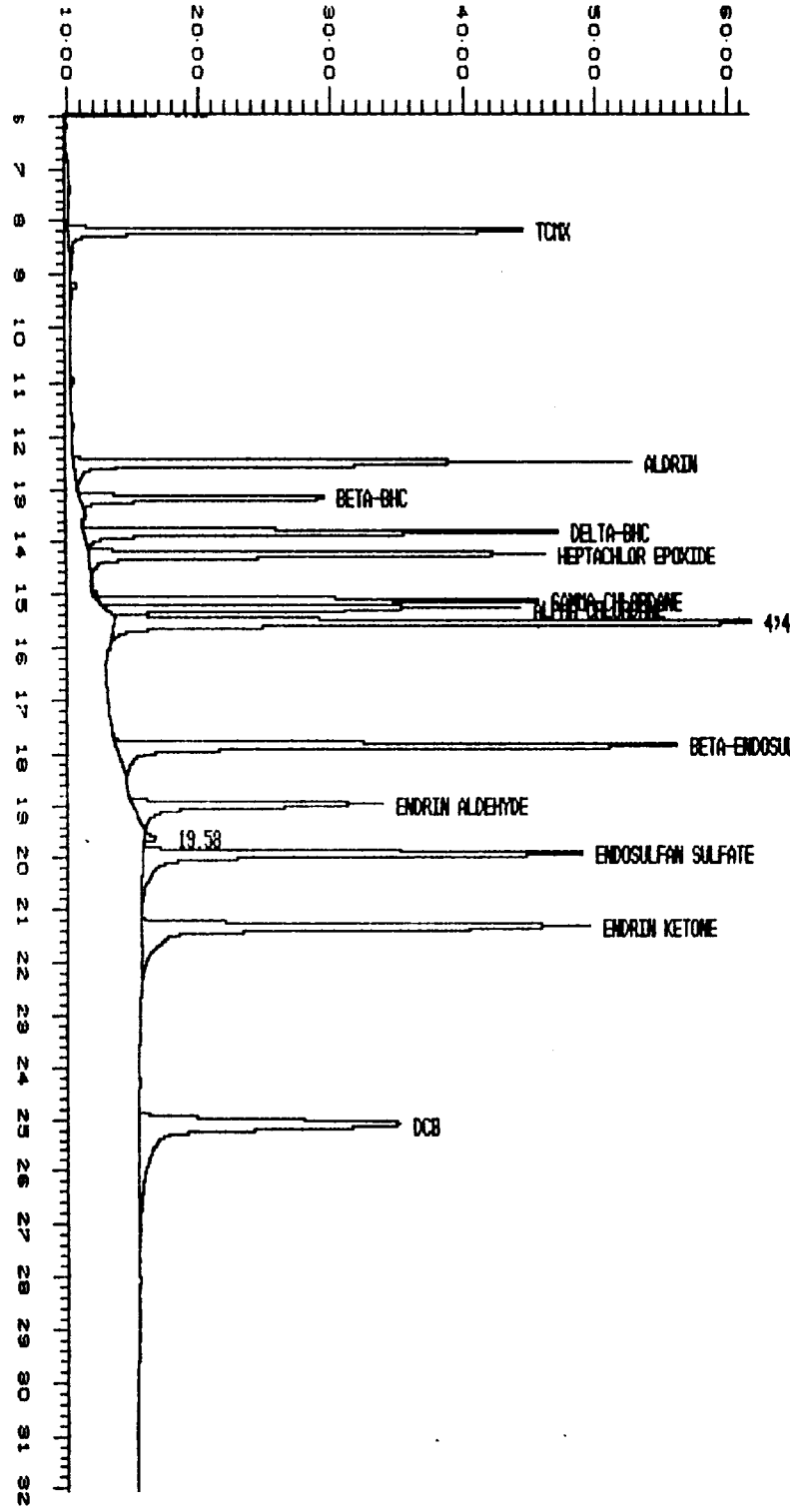
Acquired on 13-JUN-1994 at 03:16
Reported on 13-JUN-1994 at 19:19
Box 1 (of 1)



[DEEPROJECT] 26 JUN1294,10,1

PEST MIX B- 4 (MID/HIGH). Amount : 1.000.

Acquired on 13-JUN-1994 at 03:57
Reported on 13-JUN-1994 at 19:19
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 03:57
Channel 026 Acquired on 13-JUN-1994 at 04:37

Lims Id : PB-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX B- 5 (HIGH)
Sample Id : 505-D19-1
Bottle No : 10

Lims Id : PB-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PEST MIX B- 5 (HIGH)
Sample Id : 505-D19-1
Bottle No : 10

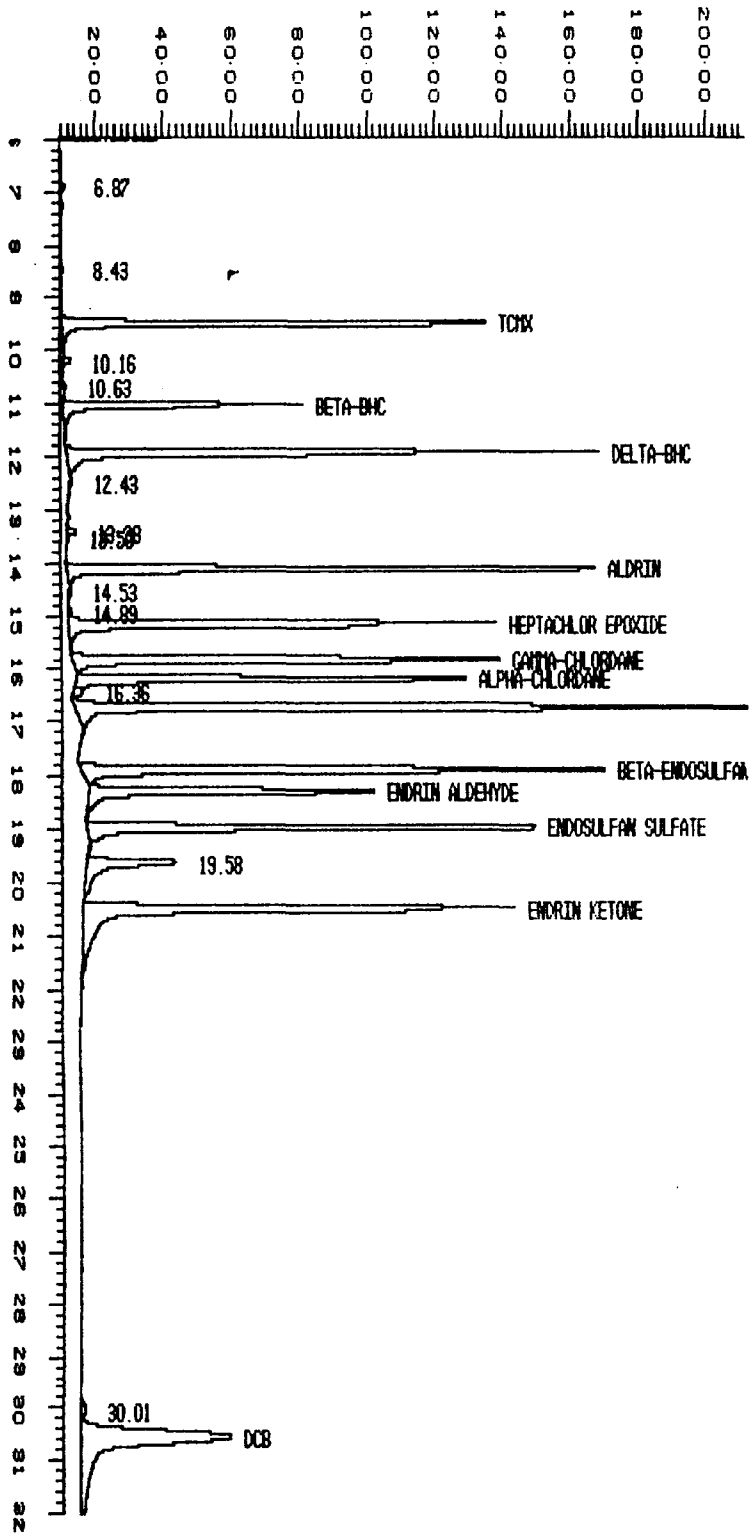
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.246	/0.000		0.0000	/12131	1.197	/0.000		0.0000	/5991
4.303	/0.000		0.0000	/3056	4.121	/0.000		0.0000	/12908
4.743	/0.000		0.0000	/23061	4.872	/0.000		0.0000	/993
6.872	/0.000		0.0000	/5154	5.574	/0.000		0.0000	/1814
8.428	/0.000		0.0000	/2136	8.152	/8.150	TCMX	0.5004	/258314
9.441	/9.443	TCMX	0.5010	/488732	8.779	/0.000		0.0000	/2941
10.161	/0.000		0.0000	/6771	9.174	/0.000		0.0000	/3514
10.628	/0.000		0.0000	/2298	10.943	/0.000		0.0000	/2333
10.983	/10.986	beta-BHC	0.5002	/327355	12.463	/12.461	Aldrin	0.4999	/416802
11.890	/11.893	delta-BHC	0.4998	/684910	13.143	/13.141	beta-BHC	0.5007	/170436
12.428	/0.000		0.0000	/2345	13.499	/0.000		0.0000	/816
13.383	/0.000		0.0000	/12558	13.601	/0.000		0.0000	/4294
13.503	/0.000		0.0000	/3645	13.783	/13.781	delta-BHC	0.4997	/345252
14.081	/14.084	Aldrin	0.4999	/729453	14.050	/0.000		0.0000	/1107
14.534	/0.000		0.0000	/4956	14.219	/14.217	Heptachlor epoxide	0.4991	/334347
14.894	/0.000		0.0000	/4396	14.766	/0.000		0.0000	/1905
15.117	/15.120	Heptachlor epoxide	0.4998	/625664	14.948	/0.000		0.0000	/3097
15.779	/15.779	gamma-Chlordane	0.4999	/611759	15.094	/15.093	gamma-chlordane	0.5002	/326682
16.139	/16.141	alpha-Chlordane	0.4994	/569796	15.241	/15.237	alpha-chlordane	0.5001	/331934
16.361	/0.000		0.0000	/21608	15.508	/15.507	4,4-DDE	1.0005	/556603
16.681	/16.684	4,4-DDE	0.9994	/991882	15.939	/0.000		0.0000	/876
17.841	/17.842	beta-Endosulfan	0.9996	/785540	17.828	/17.824	beta-Endosulfan	0.9999	/544103
18.246	/18.248	Endrin aldehyde	0.9989	/462151	18.966	/18.963	Endrin aldehyde	0.9981	/267061
18.921	/18.924	Endosulfan sulfate	0.9987	/691378	19.583	/0.000		0.0000	/9938
19.583	/0.000		0.0000	/230462	19.890	/19.887	Endosulfan sulfate	0.9999	/483771
20.454	/20.458	Endrin ketone	0.9989	/962307	21.286	/21.283	Endrin ketone	0.9957	/512306
30.010	/0.000		0.0000	/26841	21.548	/0.000		0.0000	/184772
30.512	/30.509	DCB	0.9988	/920989	25.050	/25.051	DCB	1.0003	/588602
					28.552	/0.000		0.0000	/18854

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,11,1

PEST MIX B- 5 (HIGH). Amount : 1.000.

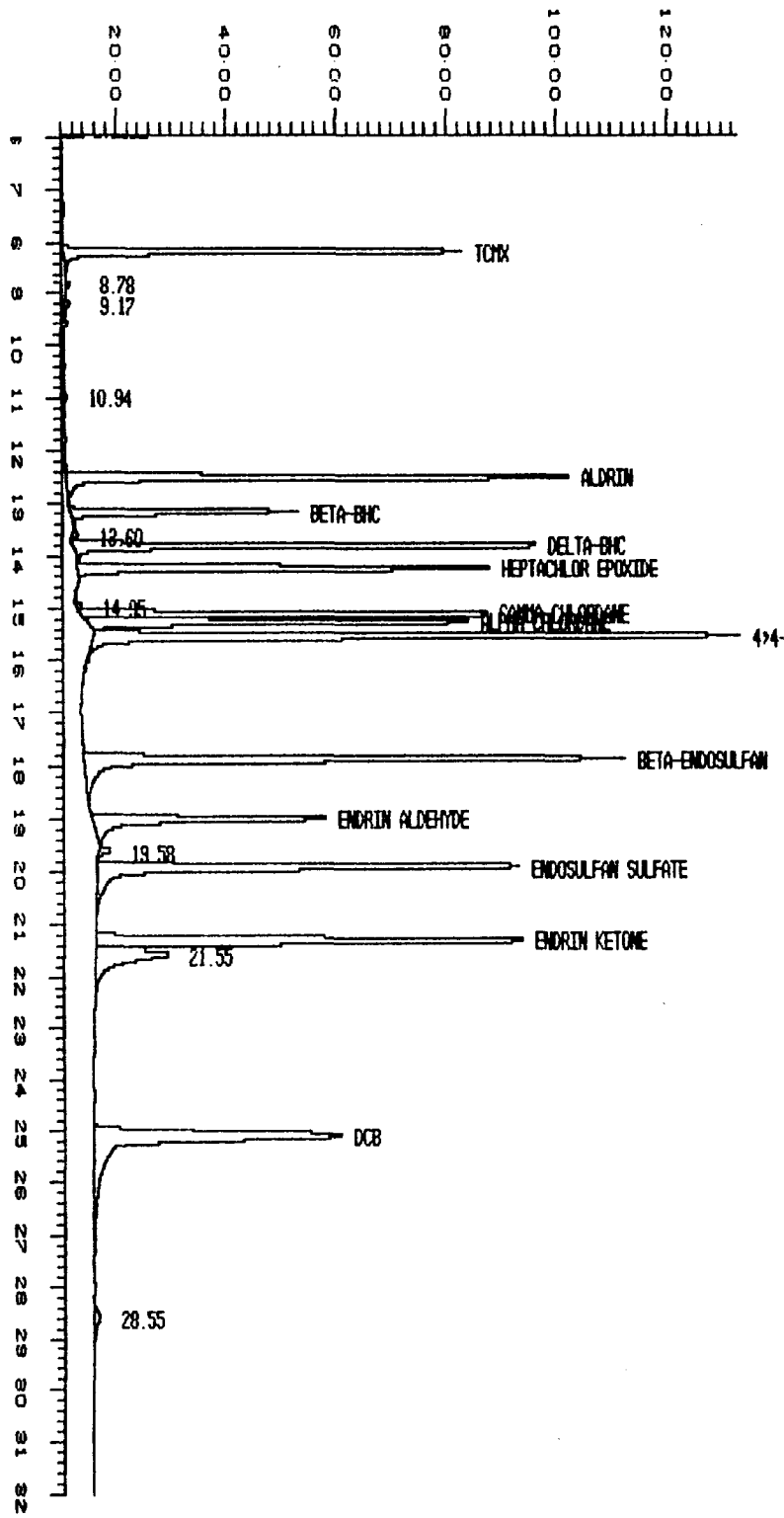
Acquired on 13-JUN-1994 at 03:57
Reported on 13-JUN-1994 at 19:19
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,11,1

PEST MIX B- 5 (HIGH). Amount : 1.000.

Acquired on 13-JUN-1994 at 04:37
Reported on 13-JUN-1994 at 19:19
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 04:37
Channel 026 Acquired on 13-JUN-1994 at 05:17

Lims Id	: PA-0612	Lims Id	: PA-0612
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080	Comment	:
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: PEST 2ND SOURCE	Sample Name	: PEST 2ND SOURCE
Sample Id	: 505-21-1	Sample Id	: 505-21-1
Bottle No	: 11	Bottle No	: 11

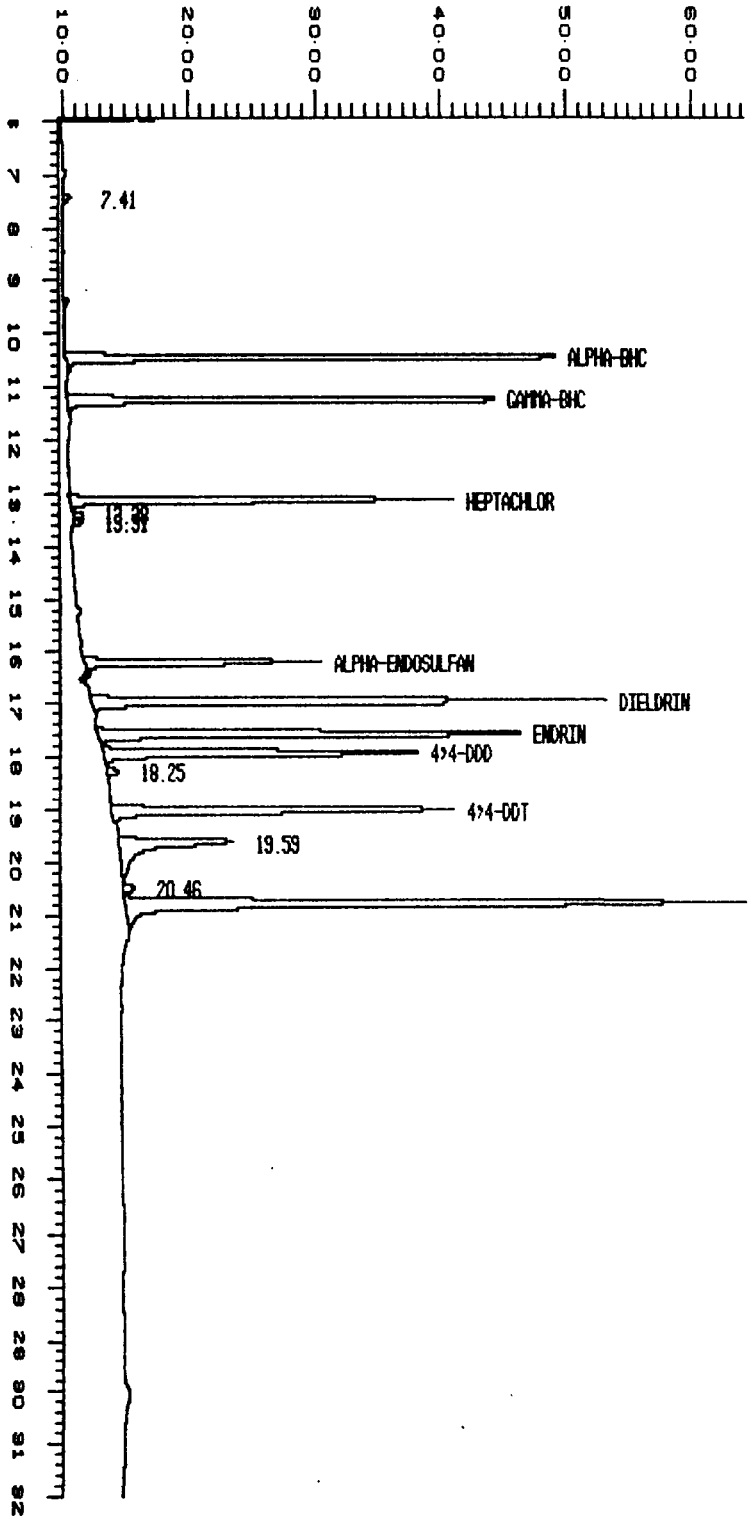
RT(real/expected)		Peak Name		Amount/Area		RT(real/expected)		Peak Name		Amount/Area	
1.246	/0.000			0.0000	/3816	1.201	/0.000			0.0000	/1733
7.410	/0.000			0.0000	/2660	7.303	/0.000			0.0000	/913
10.410	/10.416	alpha-BHC	100%	0.0995	/142085	10.286	/10.283	alpha-BHC	107%	0.1071	/75815
11.214	/11.221	gamma-BHC	99%	0.0994	/133853	11.254	/11.253	gamma-BHC	103%	0.1028	/70570
13.099	/13.105	Heptachlor	124%	0.1036	/130514	11.770	/11.768	Heptachlor	102%	0.1016	/70916
13.383	/0.000			0.0000	/2538	13.610	/0.000			0.0000	/1773
13.512	/0.000			0.0000	/2140	14.956	/14.955	alpha-Endosulfan	102%	0.1018	/54113
16.174	/16.178	alpha-Endosulfan	100%	0.0997	/87134	15.943	/15.942	Dieldrin	104%	0.2073	/113754
16.934	/16.938	Dieldrin	110%	0.2202	/195197	16.494	/16.497	Endrin	110%	0.2196	/98105
17.548	/17.550	Endrin	113%	0.2268	/159518	17.686	/17.682	4,4-DDD	114%	0.2271	/71512
17.899	/17.900	4,4-DDD	105%	0.2104	/125341	18.139	/18.137	4,4-DDT	114%	0.2271	/73076
18.250	/0.000			0.0000	/4585	18.970	/0.000			0.0000	/270
18.988	/18.992	4,4-DDT	100%	0.2005	/138356	19.900	/19.899	Methoxychlor	110%	1.1042	/201054
19.592	/0.000			0.0000	/86822	21.290	/0.000			0.0000	/3731
20.459	/0.000			0.0000	/5513	21.552	/0.000			0.0000	/39181
20.757	/20.759	Methoxychlor	108%	1.0777	/330392						

Huntingdon VAX Multichrom V2.0

[DEEPROJECT] 25 JUN1294,12,1

PEST 2ND SOURCE. Amount : 1.000.

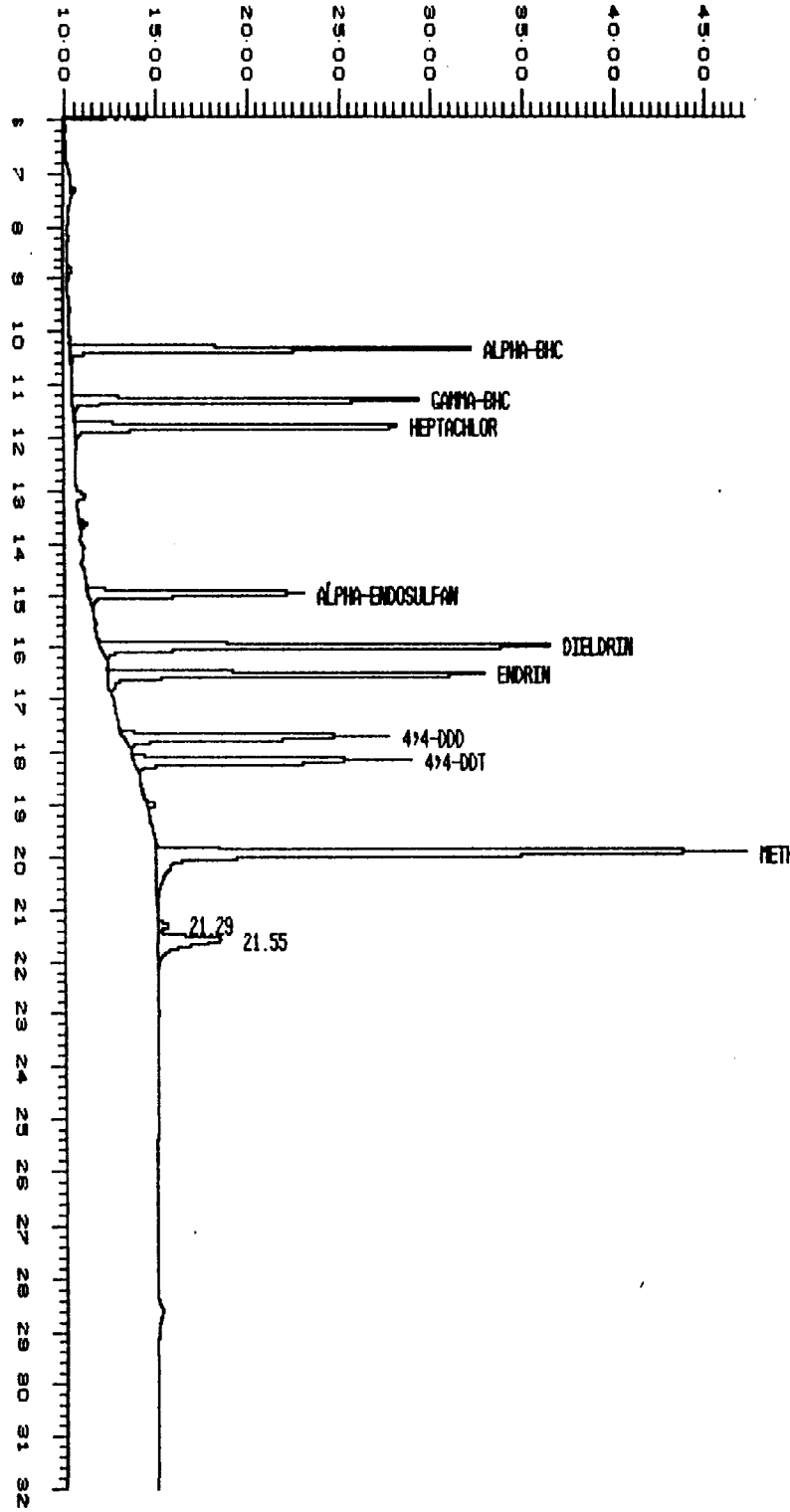
Acquired on 13-JUN-1994 at 04:37
Reported on 13-JUN-1994 at 19:11
Box 1 (of 1)



[DEEPROJECT] 26 JUN1294,12,1

PEST 2ND SOURCE. Amount : 1.000.

Acquired on 13-JUN-1994 at 05:17
Reported on 13-JUN-1994 at 19:11
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 05:17
Channel 026 Acquired on 13-JUN-1994 at 05:57

Lims Id	: PA-0612	Lims Id	: PA-0612
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080	Comment	:
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: EVAL MIX	Sample Name	: EVAL MIX
Sample Id	: 505-20-1	Sample Id	: 505-20-1
Bottle No	: 12	Bottle No	: 12

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.250	/0.000		0.0000	/4952	1.188	/0.000		0.0000	/2450
4.308	/0.000		0.0000	/2103	4.863	/0.000		0.0000	/889
6.877	/0.000		0.0000	/3008	5.566	/0.000		0.0000	/1238
9.446	/9.447	TCMX	0.3960	/361529	8.143	/8.154	TCMX	0.3894	/192564
10.166	/0.000		0.0000	/5075	9.166	/0.000		0.0000	/2469
17.548	/17.550	Endrin	0.4686	/371116	16.486	/16.497	Endrin	0.4492	/218532
18.254	/0.000		0.0000	/18190	18.130	/18.137	4,4-DDT	0.4902	/168492
18.992	/18.992	4,4-DDT	0.4395	/323913	18.961	/0.000		0.0000	/10767
19.606	/0.000		0.0000	/5886	21.281	/0.000		0.0000	/10733
20.459	/0.000		0.0000	/17014	25.050	/25.062	DCB	0.2752	/126490
30.503	/30.510	DCB	0.2847	/186622					

Endrin: $\frac{18190 + 17014 \ (\times 100)}{18190 + 17014 + 371116} = 8.7\%$

Endrin: $\frac{10767 + 10733 \ (\times 100)}{10767 + 10733 + 218532} = 9.0\%$

DDT: OK

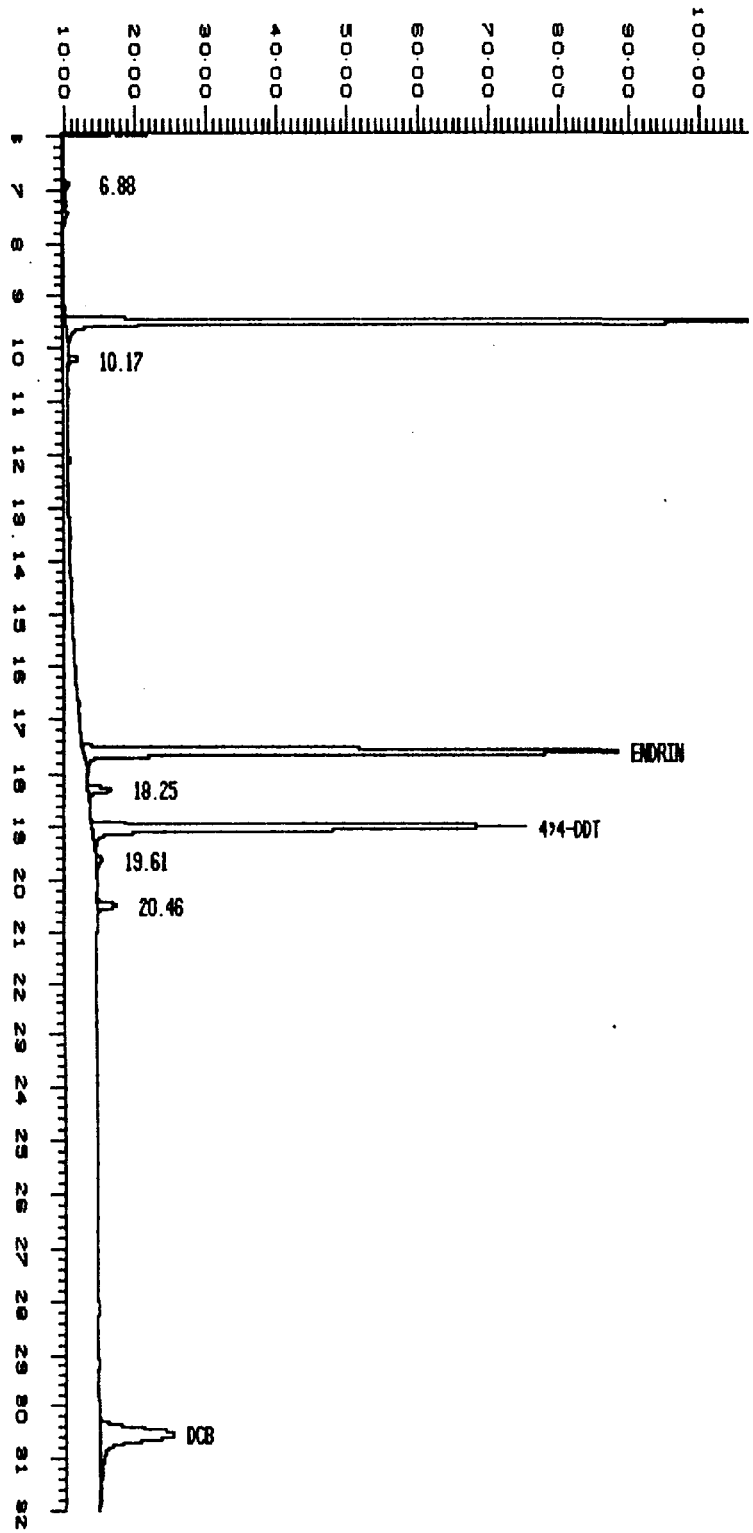
DDT: OK

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,13,1

EVAL MIX. Amount : 1.000.

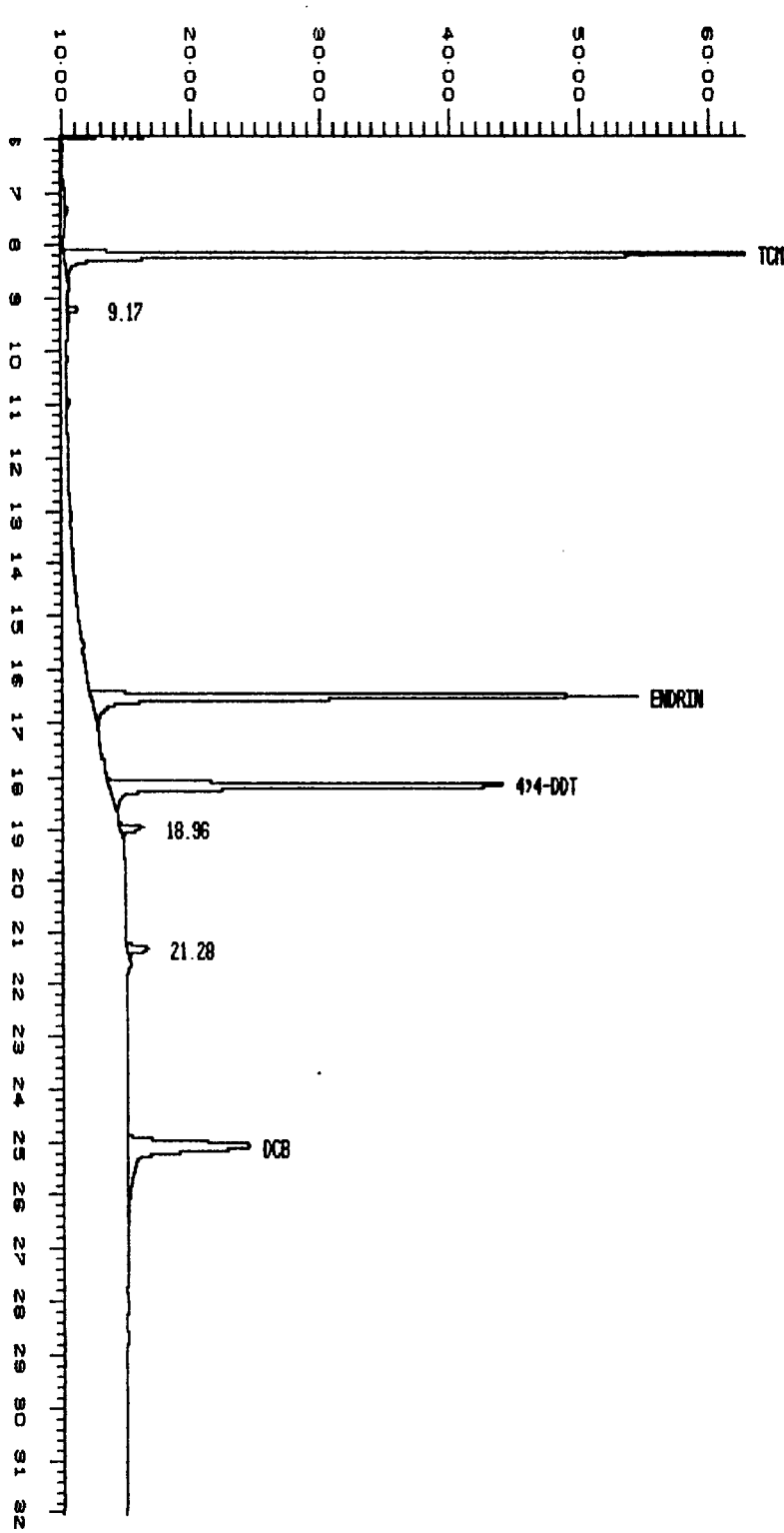
Acquired on 13-JUN-1994 at 05:17
Reported on 13-JUN-1994 at 19:11
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,13,1

EVAL MIX. Amount : 1.000.

Acquired on 13-JUN-1994 at 05:57
Reported on 13-JUN-1994 at 19:11
Box 1 (of 1)



Reported on 13-JUN-1994 at 19:19
Modified on 13-JUN-1994 at 19:15

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : C_FOXHOVEN

Channel 025 Acquired on 13-JUN-1994 at 05:17
Channel 026 Acquired on 13-JUN-1994 at 05:57

Lims Id	: PB-0612	Lims Id	: PB-0612
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080	Comment	:
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: EVAL MIX	Sample Name	: EVAL MIX
Sample Id	: 505-20-1	Sample Id	: 505-20-1
Bottle No	: 12	Bottle No	: 12

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.250	/0.000		0.0000	/4952	1.188	/0.000		0.0000	/2450
4.308	/0.000		0.0000	/2103	4.863	/0.000		0.0000	/889
6.877	/0.000		0.0000	/3008	5.566	/0.000		0.0000	/1238
9.446	/9.443	TCMX	0.3763	/361529	8.143	/8.150	TCMX	0.3773	/192564
10.166	/0.000		0.0000	/5075	9.166	/0.000		0.0000	/2469
17.548	/0.000		0.0000	/371116	16.486	/0.000		0.0000	/218532
18.254	/18.248	Endrin aldehyde	0.0476	/18190	18.130	/0.000		0.0000	/168492
18.992	/18.924	Endosulfan sulfate	0.5047	/323913	18.961	/18.963	Endrin aldehyde	0.0526	/10767
19.606	/0.000		0.0000	/5886	21.281	/21.283	Endrin ketone	0.0217	/10733
20.459	/20.458	Endrin ketone	0.0216	/17014	25.050	/25.051	DCB	0.2477	/126490
30.503	/30.509	DCB	0.2600	/186622					

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 05:57
Channel 026 Acquired on 13-JUN-1994 at 06:38

Lims Id : P60-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PCB 1016/1260-1 (LOW)
Sample Id : 505-D22-4
Bottle No : 13

Lims Id : P60-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PCB 1016/1260-1 (LOW)
Sample Id : 505-D22-4
Bottle No : 13

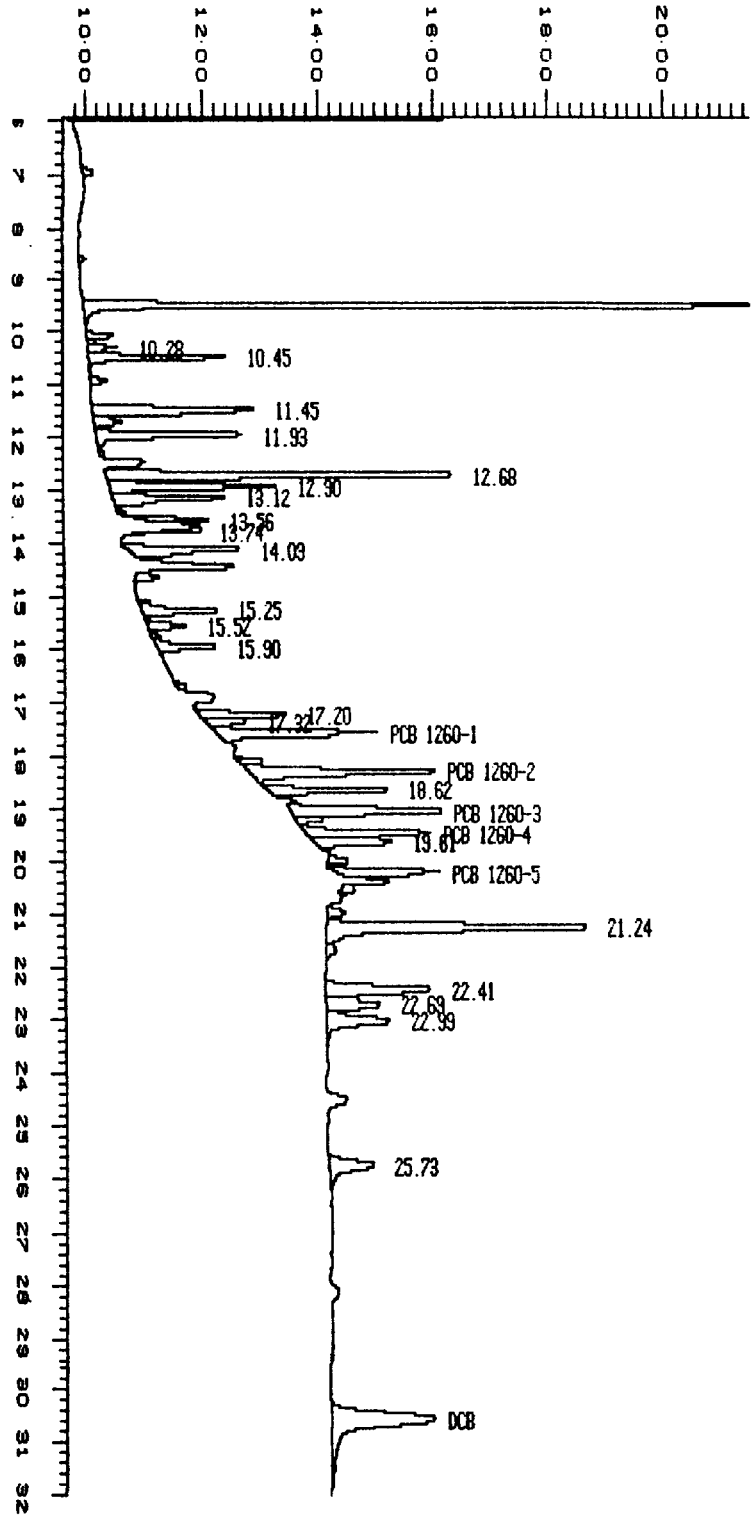
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.250	/0.000		0.0000	/4313	1.192	/0.000		0.0000	/2393
9.446	/9.447	TCMX	0.0552	/42755	8.148	/8.146	TCMX	0.0513	/21545
10.281	/0.000		0.0000	/1874	9.401	/0.000		0.0000	/957
10.450	/0.000		0.0000	/9377	9.543	/0.000		0.0000	/4805
11.454	/0.000		0.0000	/17348	10.437	/0.000		0.0000	/8312
11.930	/0.000		0.0000	/12544	10.903	/0.000		0.0000	/2369
12.681	/0.000		0.0000	/31166	11.010	/0.000		0.0000	/3719
12.903	/0.000		0.0000	/15042	11.343	/0.000		0.0000	/2264
13.121	/0.000		0.0000	/11537	11.557	/0.000		0.0000	/16793
13.557	/0.000		0.0000	/4163	11.877	/0.000		0.0000	/8215
13.743	/0.000		0.0000	/1630	12.134	/0.000		0.0000	/5822
14.090	/0.000		0.0000	/12294	12.428	/0.000		0.0000	/10974
15.246	/0.000		0.0000	/7558	13.014	/0.000		0.0000	/7210
15.521	/0.000		0.0000	/3097	13.254	/0.000		0.0000	/4522
15.903	/0.000		0.0000	/5124	14.023	/0.000		0.0000	/4171
17.201	/0.000		0.0000	/7324	14.517	/0.000		0.0000	/2654
17.321	/0.000		0.0000	/4173	15.708	/0.000		0.0000	/5293
17.534	/17.539	PCB 1260-1	0.5293	/14704	16.099	/0.000		0.0000	/10239
18.259	/18.261	PCB 1260-2	0.5103	/21035	16.734	/16.727	PCB 1260-1	0.5020	/10635
18.619	/0.000		0.0000	/10399	17.206	/17.198	PCB 1260-2	0.6590	/8154
19.023	/19.023	PCB 1260-3	0.4424	/18195	17.681	/0.000		0.0000	/9639
19.437	/19.441	PCB 1260-4	0.4510	/11614	17.761	/17.761	PCB 1260-3	0.4561	/9500
19.610	/0.000		0.0000	/7400	17.894	/0.000		0.0000	/6859
20.197	/20.203	PCB 1260-5	0.4026	/9229	18.619	/18.615	PCB 1260-4	0.3973	/7149
21.237	/0.000		0.0000	/33403	18.757	/0.000		0.0000	/3774
22.406	/0.000		0.0000	/15308	18.877	/0.000		0.0000	/1736
22.694	/0.000		0.0000	/8069	19.437	/19.431	PCB 1260-5	0.4003	/20036
22.988	/0.000		0.0000	/10360	20.343	/0.000		0.0000	/3666
25.734	/0.000		0.0000	/8948	20.543	/0.000		0.0000	/14669
30.521	/30.522	DCB	0.0513	/33306	25.059	/25.054	DCB	0.0521	/22057

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,14,1

PCB 1016/1260-1 (LOW). Amount : 1.000.

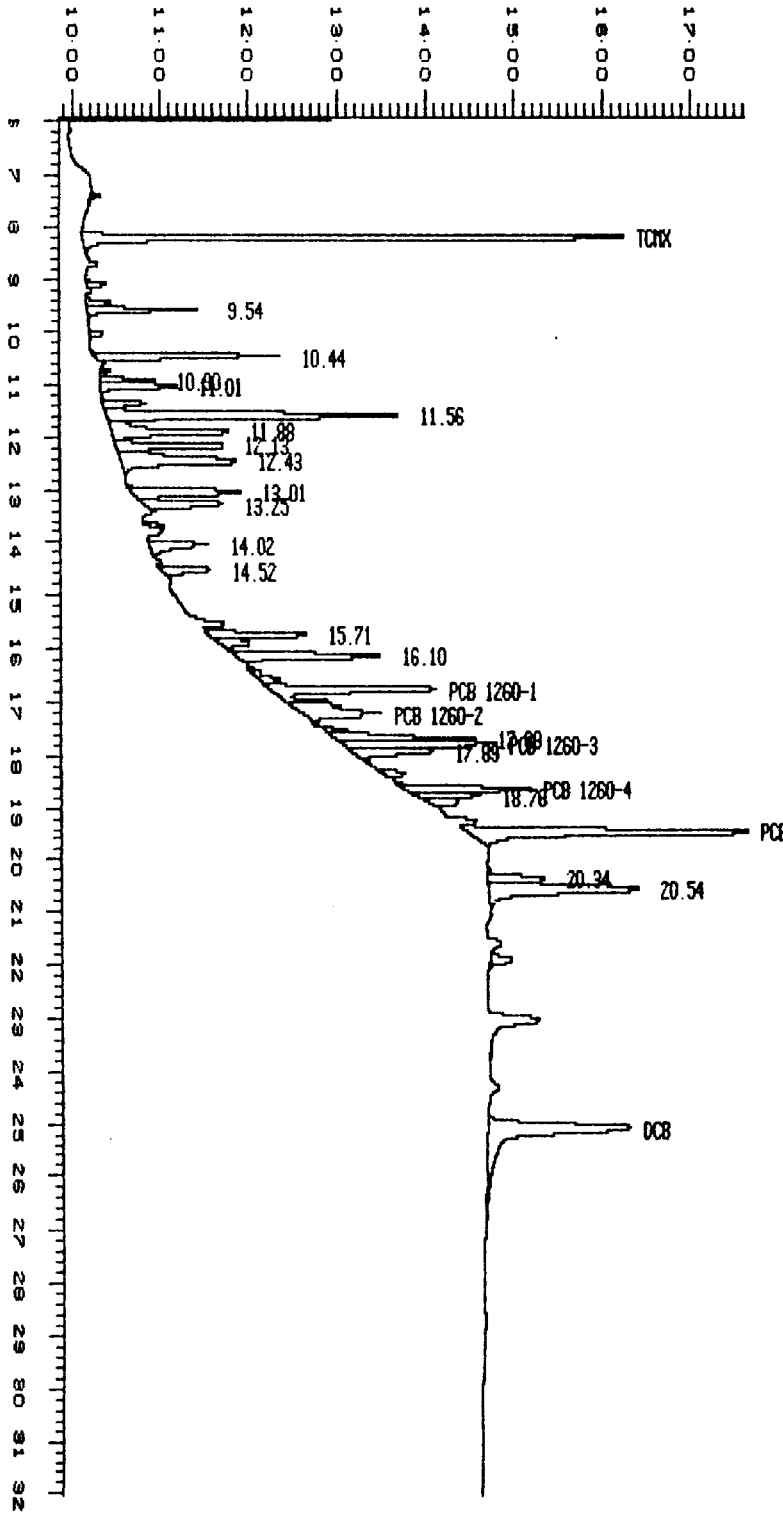
Acquired on 13-JUN-1994 at 05:57
Reported on 13-JUN-1994 at 19:34
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,14,1

PCB 1016/1260-1 (LOW). Amount : 1.000.

Acquired on 13-JUN-1994 at 06:38
Reported on 13-JUN-1994 at 19:34
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 06:38
Channel 026 Acquired on 13-JUN-1994 at 07:18

Lims Id : P60-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PCB 1016/1260-2 (LOW/MID)
Sample Id : 505-D22-3
Bottle No : 14

Lims Id : P60-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PCB 1016/1260-2 (LOW/MID)
Sample Id : 505-D22-3
Bottle No : 14

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.246	/0.000		0.0000	/4387	1.192	/0.000		0.0000	/2358
9.446	/9.447	TCMX	0.1067	/81889	8.152	/8.146	TCMX	0.1046	/43588
10.046	/0.000		0.0000	/3223	9.050	/0.000		0.0000	/1779
10.286	/0.000		0.0000	/3761	9.406	/0.000		0.0000	/2075
10.450	/0.000		0.0000	/17991	9.548	/0.000		0.0000	/9930
10.894	/0.000		0.0000	/2243	10.437	/0.000		0.0000	/17002
11.454	/0.000		0.0000	/32441	10.703	/0.000		0.0000	/945
11.699	/0.000		0.0000	/6091	10.903	/0.000		0.0000	/4738
11.930	/0.000		0.0000	/22067	11.014	/0.000		0.0000	/7339
12.446	/0.000		0.0000	/9431	11.348	/0.000		0.0000	/5047
12.681	/0.000		0.0000	/60479	11.561	/0.000		0.0000	/34589
12.903	/0.000		0.0000	/30227	11.877	/0.000		0.0000	/17617
13.121	/0.000		0.0000	/25076	12.134	/0.000		0.0000	/12793
13.561	/0.000		0.0000	/18557	12.428	/0.000		0.0000	/23260
13.672	/0.000		0.0000	/12291	13.019	/0.000		0.0000	/17873
13.739	/0.000		0.0000	/14119	13.254	/0.000		0.0000	/15670
14.094	/0.000		0.0000	/27566	13.677	/0.000		0.0000	/2659
14.432	/0.000		0.0000	/26276	13.792	/0.000		0.0000	/1541
14.628	/0.000		0.0000	/4908	14.023	/0.000		0.0000	/9026
15.250	/0.000		0.0000	/13108	14.517	/0.000		0.0000	/6127
15.908	/0.000		0.0000	/11134	15.508	/0.000		0.0000	/3628
16.828	/0.000		0.0000	/4560	15.708	/0.000		0.0000	/11490
16.894	/0.000		0.0000	/5391	16.099	/0.000		0.0000	/22803
17.201	/0.000		0.0000	/15149	16.552	/0.000		0.0000	/2081
17.321	/0.000		0.0000	/8913	16.734	/16.727	PCB 1260-1	1.0197	/21358
17.539	/17.539	PCB 1260-1	1.1341	/31083	17.059	/0.000		0.0000	/10452
18.263	/18.261	PCB 1260-2	1.0583	/43061	17.206	/17.198	PCB 1260-2	0.9536	/11730
18.619	/0.000		0.0000	/22959	17.517	/0.000		0.0000	/2742
18.841	/0.000		0.0000	/4008	17.681	/0.000		0.0000	/23481
19.023	/19.023	PCB 1260-3	1.0392	/42181	17.766	/17.761	PCB 1260-3	0.9945	/20438
19.179	/0.000		0.0000	/6936	17.894	/0.000		0.0000	/12081
19.441	/19.441	PCB 1260-4	1.0661	/27038	18.312	/0.000		0.0000	/3888

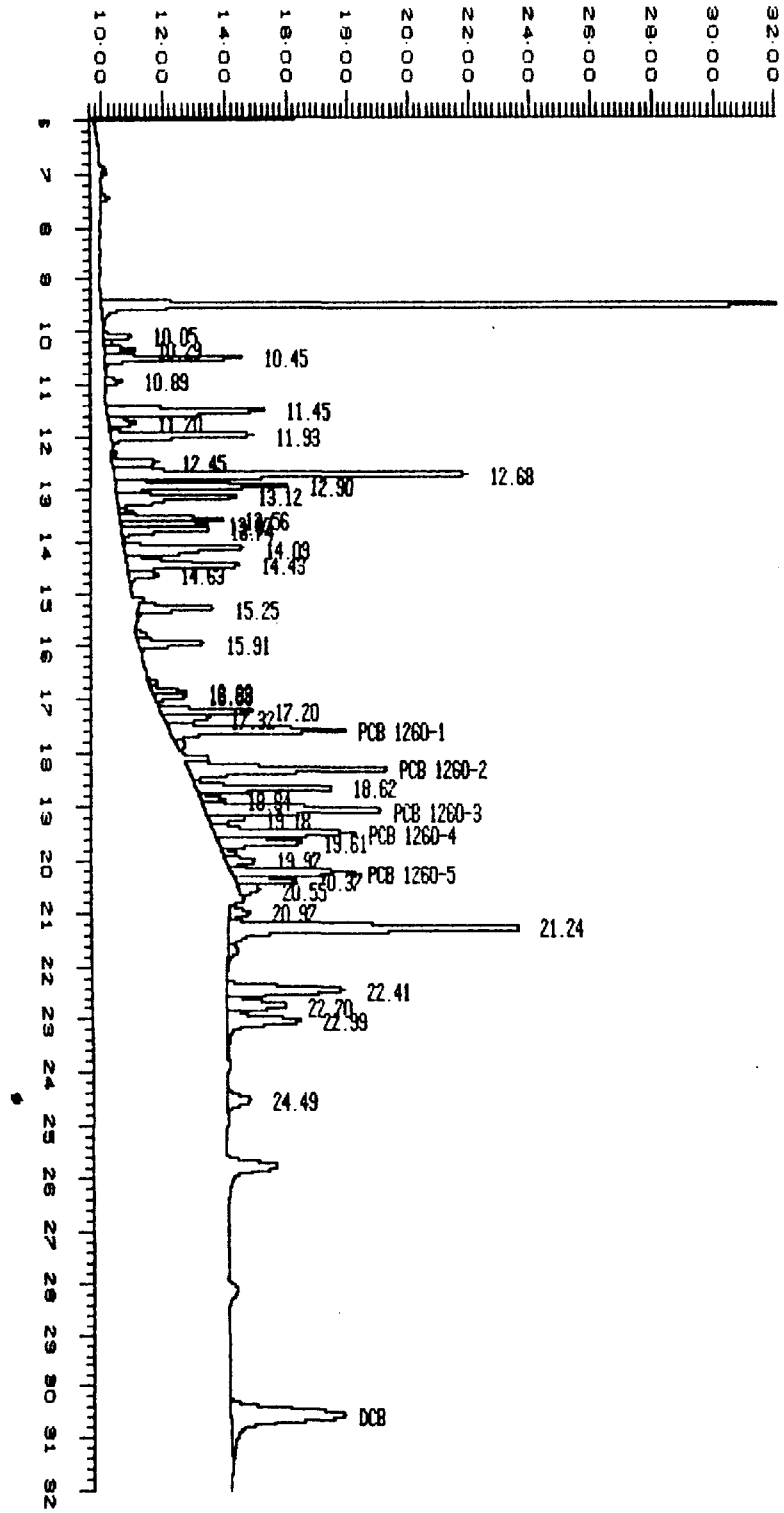
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
19.614	/0.000		0.0000	/16870	18.619	/18.615	PCB 1260-4	0.8914	/15850
19.974	/0.000		0.0000	/5643	18.761	/0.000		0.0000	/8445
20.201	/20.203	PCB 1260-5	1.0256	/23217	18.881	/0.000		0.0000	/3867
20.370	/0.000		0.0000	/12337	19.232	/0.000		0.0000	/3810
20.548	/0.000		0.0000	/3637	19.437	/19.431	PCB 1260-5	0.9323	/46268
20.970	/0.000		0.0000	/4300	20.343	/0.000		0.0000	/8346
21.237	/0.000		0.0000	/69460	20.543	/0.000		0.0000	/32133
22.410	/0.000		0.0000	/32286	21.881	/0.000		0.0000	/4991
22.703	/0.000		0.0000	/16768	23.010	/0.000		0.0000	/12298
22.988	/0.000		0.0000	/22235	24.299	/0.000		0.0000	/2364
24.486	/0.000		0.0000	/7678	25.054	/25.054	DCB	0.0956	/40493
30.512	/30.522	DCB	0.0966	/62731					

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,15,1

PCB 1016/1260-2 (LOW/MID). Amount : 1.000.

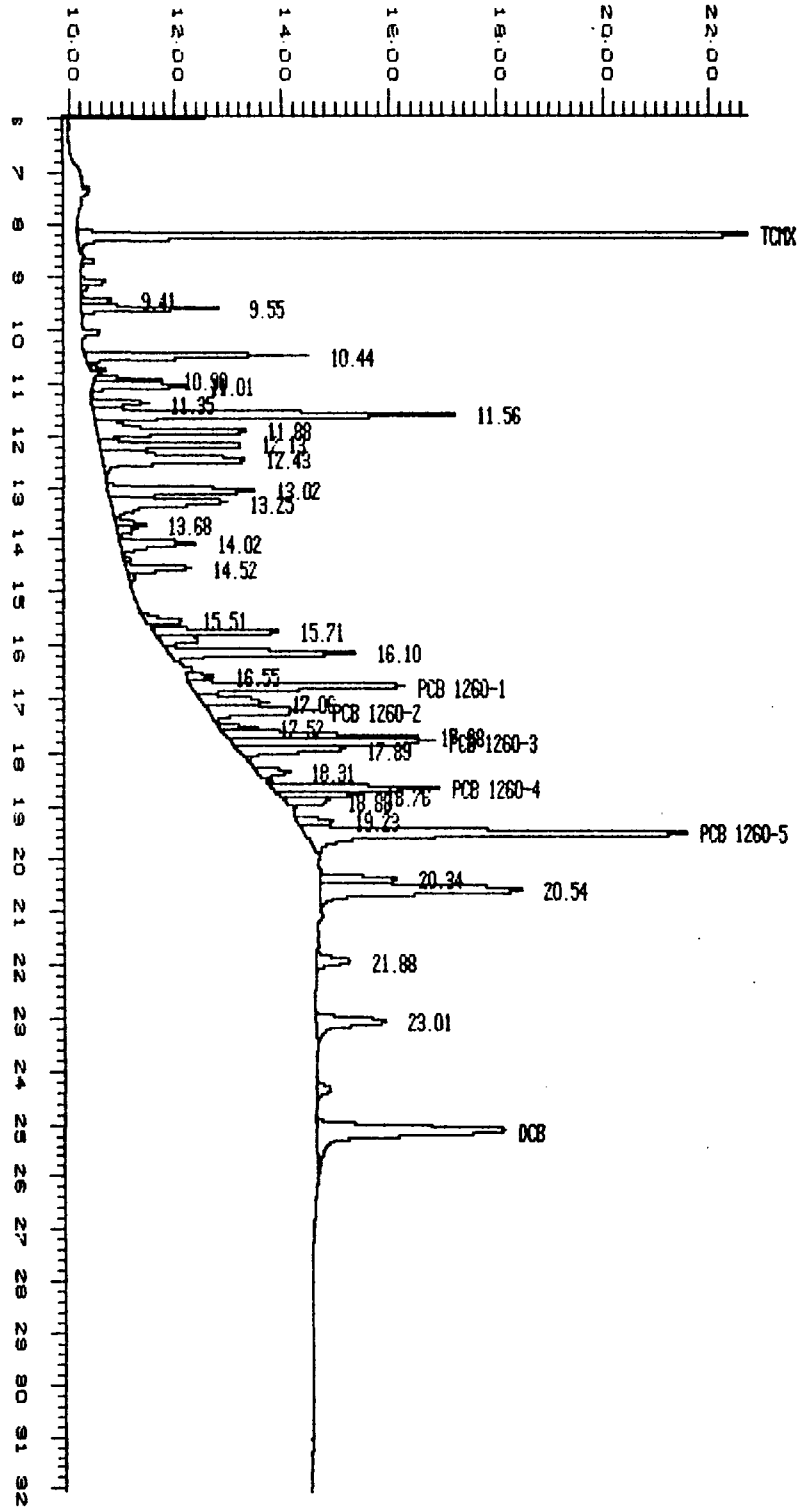
Acquired on 13-JUN-1994 at 06:38
Reported on 13-JUN-1994 at 19:34
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,15,1

PCB 1016/1260-2 (LOW/MID). Amount : 1.000.

Acquired on 13-JUN-1994 at 07:18
Reported on 13-JUN-1994 at 19:34
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 07:18
Channel 026 Acquired on 13-JUN-1994 at 07:58

Lims Id : P60-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PCB 1016/1260-3 (MID)
Sample Id : 505-D22-2
Bottle No : 14

Lims Id : P60-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PCB 1016/1260-3 (MID)
Sample Id : 505-D22-2
Bottle No : 14

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.250	/0.000		0.0000	/4281	1.188	/0.000		0.0000	/2151
9.450	/9.447	TCMX	0.2537	/189855	8.143	/8.146	TCMX	0.2407	/98112
10.170	/0.000		0.0000	/1542	8.654	/0.000		0.0000	/1593
10.286	/0.000		0.0000	/7993	9.041	/0.000		0.0000	/4009
10.450	/0.000		0.0000	/38856	9.166	/0.000		0.0000	/1273
10.894	/0.000		0.0000	/5212	9.397	/0.000		0.0000	/4612
11.454	/0.000		0.0000	/70347	9.539	/0.000		0.0000	/21111
11.699	/0.000		0.0000	/14611	10.006	/0.000		0.0000	/2920
11.934	/0.000		0.0000	/49979	10.428	/0.000		0.0000	/34525
12.446	/0.000		0.0000	/21462	10.694	/0.000		0.0000	/1558
12.686	/0.000		0.0000	/132264	10.797	/0.000		0.0000	/740
12.903	/0.000		0.0000	/63237	10.899	/0.000		0.0000	/10938
13.126	/0.000		0.0000	/52471	11.006	/0.000		0.0000	/16295
13.566	/0.000		0.0000	/28394	11.339	/0.000		0.0000	/10861
13.672	/0.000		0.0000	/25140	11.552	/0.000		0.0000	/70960
13.739	/0.000		0.0000	/28966	11.868	/0.000		0.0000	/36645
14.094	/0.000		0.0000	/61071	12.130	/0.000		0.0000	/27308
14.432	/0.000		0.0000	/60231	12.423	/0.000		0.0000	/48967
14.628	/0.000		0.0000	/11471	13.010	/0.000		0.0000	/32909
15.099	/0.000		0.0000	/4762	13.250	/0.000		0.0000	/33775
15.250	/0.000		0.0000	/36315	13.668	/0.000		0.0000	/6337
15.739	/0.000		0.0000	/4175	13.783	/0.000		0.0000	/3392
15.908	/0.000		0.0000	/26845	14.019	/0.000		0.0000	/19610
16.650	/0.000		0.0000	/3586	14.508	/0.000		0.0000	/12436
16.832	/0.000		0.0000	/10641	15.503	/0.000		0.0000	/8035
16.894	/0.000		0.0000	/13109	15.703	/0.000		0.0000	/25827
17.201	/0.000		0.0000	/34534	15.863	/0.000		0.0000	/12675
17.321	/0.000		0.0000	/19214	16.094	/0.000		0.0000	/40338
17.539	/17.539	PCB 1260-1	2.5261	/67064	16.414	/0.000		0.0000	/3891
17.828	/0.000		0.0000	/2811	16.543	/0.000		0.0000	/6268
18.068	/0.000		0.0000	/9492	16.726	/16.727	PCB 1260-1	2.2686	/46209
18.259	/18.261	PCB 1260-2	2.5149	/98809	16.988	/0.000		0.0000	/10046

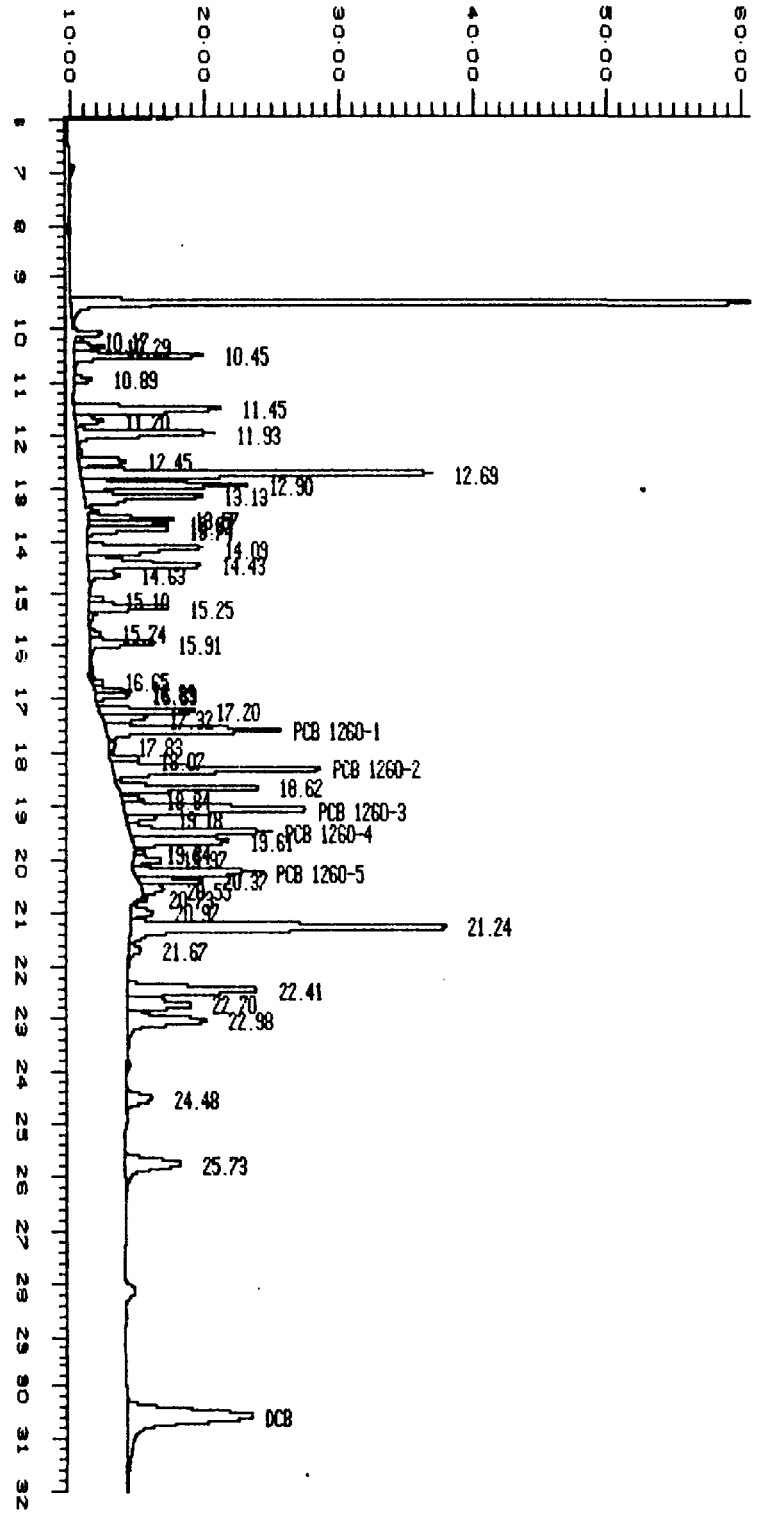
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
18.619	/0.000		0.0000	/52002	17.054	/0.000		0.0000	/14562
18.841	/0.000		0.0000	/6988	17.197	/17.198	PCB 1260-2	2.2401	/26851
19.023	/19.023	PCB 1260-3	2.4237	/95318	17.512	/0.000		0.0000	/5902
19.179	/0.000		0.0000	/11289	17.672	/0.000		0.0000	/53959
19.441	/19.441	PCB 1260-4	2.3223	/57058	17.761	/17.761	PCB 1260-3	2.2062	/43945
19.614	/0.000		0.0000	/40098	17.890	/0.000		0.0000	/30571
19.837	/0.000		0.0000	/3380	18.308	/0.000		0.0000	/10580
19.974	/0.000		0.0000	/11593	18.614	/18.615	PCB 1260-4	2.1937	/37763
20.201	/20.203	PCB 1260-5	2.4974	/54832	18.752	/0.000		0.0000	/20546
20.370	/0.000		0.0000	/28438	18.872	/0.000		0.0000	/10784
20.548	/0.000		0.0000	/8557	19.223	/0.000		0.0000	/8840
20.726	/0.000		0.0000	/3443	19.432	/19.431	PCB 1260-5	2.2727	/110407
20.966	/0.000		0.0000	/10251	20.339	/0.000		0.0000	/19032
21.237	/0.000		0.0000	/167584	20.534	/0.000		0.0000	/74522
21.672	/0.000		0.0000	/8505	21.548	/0.000		0.0000	/3280
22.406	/0.000		0.0000	/79713	21.877	/0.000		0.0000	/11990
22.699	/0.000		0.0000	/41167	23.006	/0.000		0.0000	/31331
22.983	/0.000		0.0000	/55841	25.054	/25.054	DCB	0.2554	/108000
24.481	/0.000		0.0000	/19436					
25.726	/0.000		0.0000	/50066					
30.512	/30.522	DCB	0.2489	/161705					

Huntingdon VAX Multichrom V2.0

[DEEPROJECT] 25 JUN1294,16,1

PCB 1016/1260-3 (MID). Amount : 1.000.

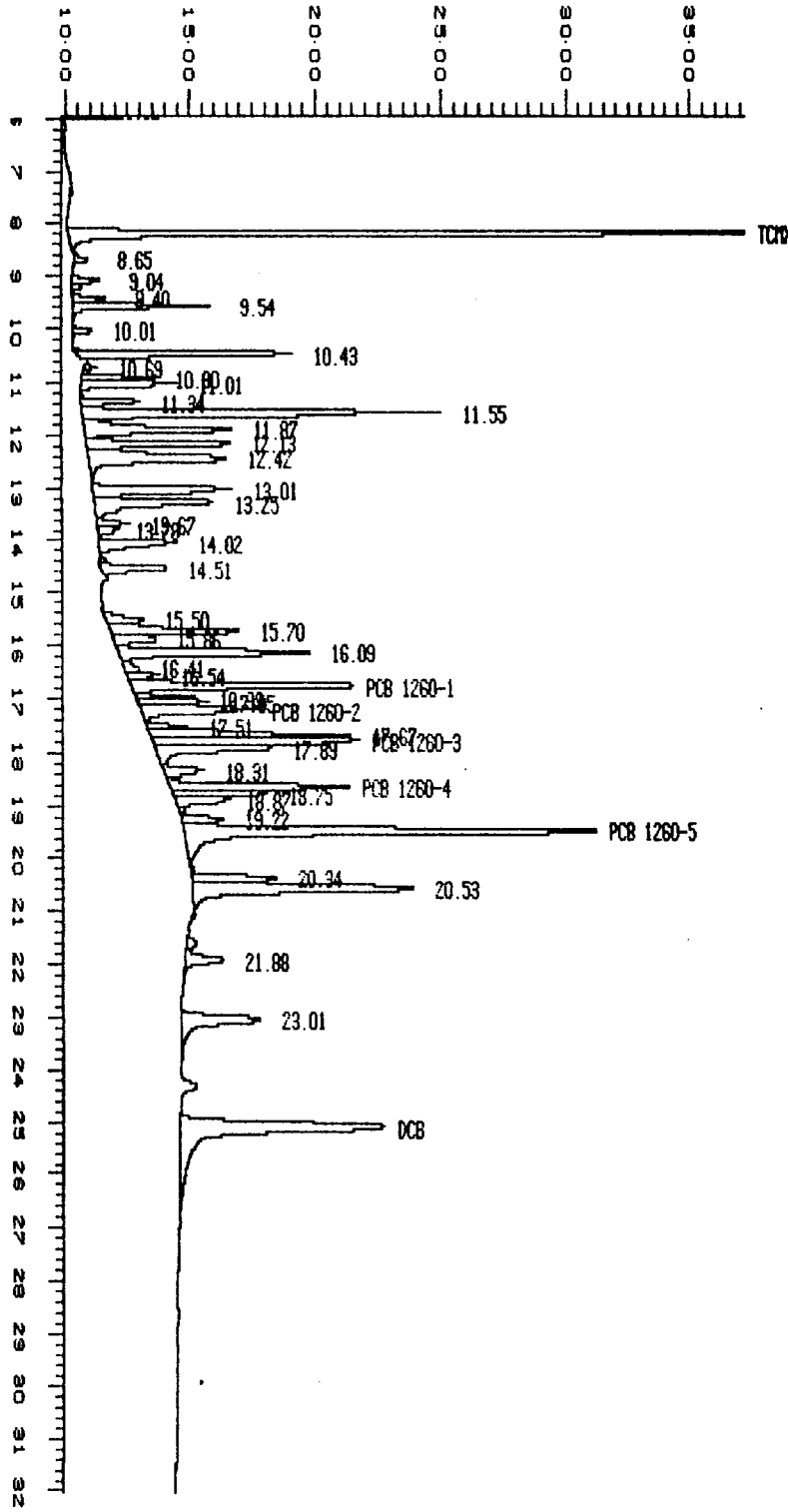
Acquired on 13-JUN-1994 at 07:18
Reported on 13-JUN-1994 at 19:34
Box 1 (of 1)



[DEEPROJECT] 26 JUN1294,16,1

PCB 1016/1260-3 (MID). Amount : 1.000.

Acquired on 13-JUN-1994 at 07:58
Reported on 13-JUN-1994 at 19:34
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 07:58
Channel 026 Acquired on 13-JUN-1994 at 08:38

Lims Id : P60-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PCB 1016/1260-4 (MID/HIGH)
Sample Id : 505-D22-1
Bottle No : 14

Lims Id : P60-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PCB 1016/1260-4 (MID/HIGH)
Sample Id : 505-D22-1
Bottle No : 14

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.246	/0.000		0.0000	/4119	1.201	/0.000		0.0000	/2021
6.868	/0.000		0.0000	/2995	5.579	/0.000		0.0000	/1248
9.441	/9.447	TCMX	0.4930	/353743	8.152	/8.146	TCMX	0.5055	/197077
10.041	/0.000		0.0000	/16538	8.579	/0.000		0.0000	/2125
10.161	/0.000		0.0000	/6420	8.663	/0.000		0.0000	/5371
10.281	/0.000		0.0000	/18084	9.054	/0.000		0.0000	/8792
10.446	/0.000		0.0000	/73456	9.179	/0.000		0.0000	/2868
10.890	/0.000		0.0000	/10293	9.406	/0.000		0.0000	/10092
11.450	/0.000		0.0000	/122176	9.548	/0.000		0.0000	/43218
11.694	/0.000		0.0000	/25269	10.014	/0.000		0.0000	/5941
11.926	/0.000		0.0000	/85354	10.441	/0.000		0.0000	/70275
12.268	/0.000		0.0000	/2253	10.623	/0.000		0.0000	/2165
12.441	/0.000		0.0000	/39894	10.708	/0.000		0.0000	/4322
12.677	/0.000		0.0000	/243817	10.908	/0.000		0.0000	/21844
12.899	/0.000		0.0000	/118707	11.019	/0.000		0.0000	/32523
13.117	/0.000		0.0000	/105224	11.348	/0.000		0.0000	/24704
13.410	/0.000		0.0000	/11730	11.561	/0.000		0.0000	/151687
13.557	/0.000		0.0000	/57566	11.877	/0.000		0.0000	/78087
13.668	/0.000		0.0000	/48332	12.139	/0.000		0.0000	/58916
13.734	/0.000		0.0000	/60885	12.432	/0.000		0.0000	/99623
14.090	/0.000		0.0000	/116078	13.019	/0.000		0.0000	/70553
14.428	/0.000		0.0000	/117455	13.259	/0.000		0.0000	/74157
14.623	/0.000		0.0000	/27659	13.677	/0.000		0.0000	/14273
14.814	/0.000		0.0000	/5262	13.792	/0.000		0.0000	/9590
14.966	/0.000		0.0000	/3623	14.028	/0.000		0.0000	/44917
15.094	/0.000		0.0000	/11428	14.361	/0.000		0.0000	/3642
15.246	/0.000		0.0000	/67697	14.517	/0.000		0.0000	/30586
15.423	/0.000		0.0000	/3652	14.712	/0.000		0.0000	/4315
15.521	/0.000		0.0000	/4783	15.512	/0.000		0.0000	/18570
15.734	/0.000		0.0000	/8621	15.708	/0.000		0.0000	/56444
15.903	/0.000		0.0000	/48893	15.872	/0.000		0.0000	/26314
16.650	/0.000		0.0000	/5948	16.103	/0.000		0.0000	/82627

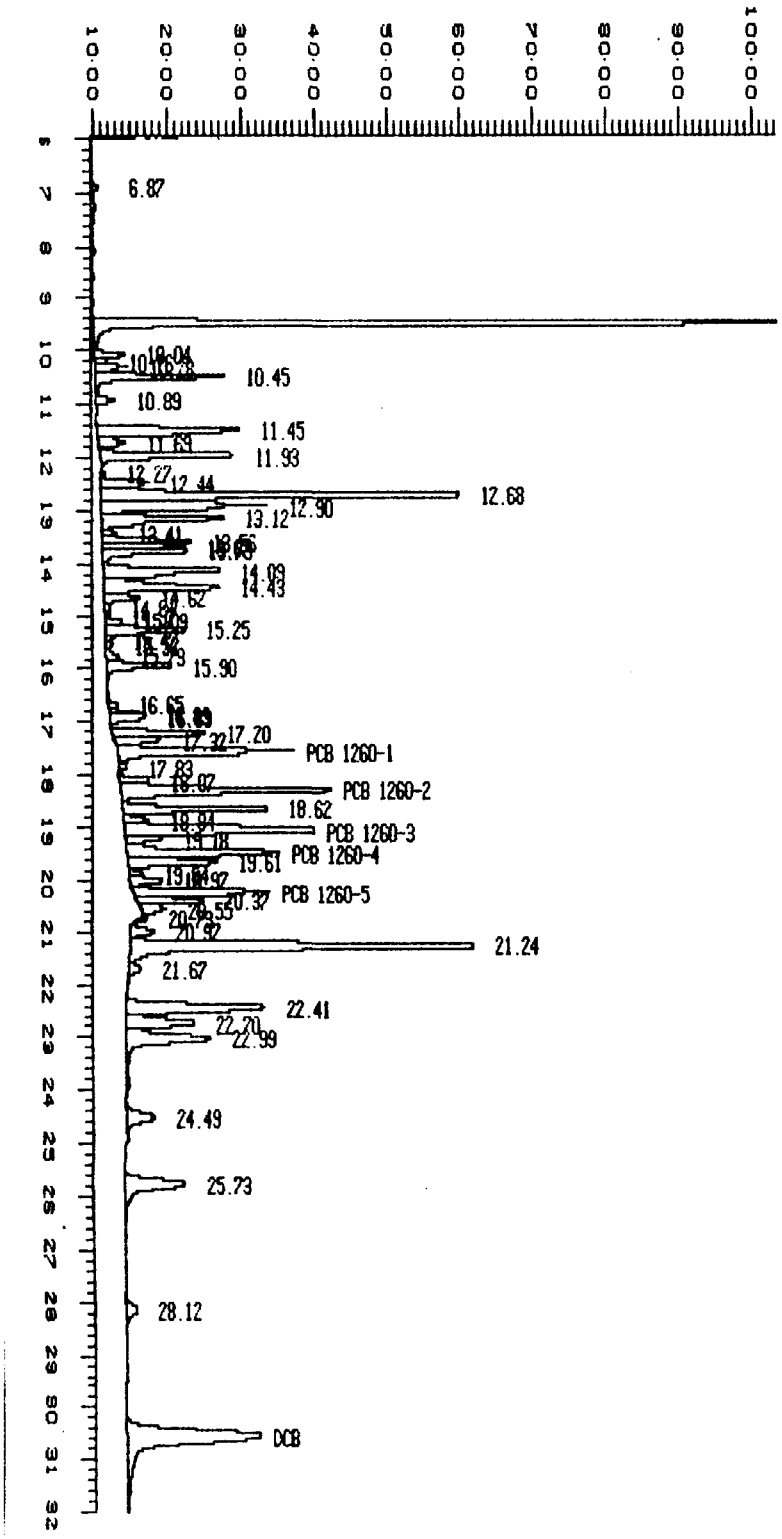
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
16.828	/0.000		0.0000	/19011	16.428	/0.000		0.0000	/6038
16.890	/0.000		0.0000	/24875	16.552	/0.000		0.0000	/13124
17.201	/0.000		0.0000	/62750	16.734	/16.727	PCB 1260-1	5.1904	/98723
17.321	/0.000		0.0000	/36028	16.992	/0.000		0.0000	/19870
17.539	/17.539	PCB 1260-1	4.9120	/123172	17.063	/0.000		0.0000	/30871
17.828	/0.000		0.0000	/5249	17.206	/17.198	PCB 1260-2	5.2041	/58600
18.068	/0.000		0.0000	/17681	17.521	/0.000		0.0000	/15419
18.259	/18.261	PCB 1260-2	4.9588	/183175	17.681	/0.000		0.0000	/122845
18.619	/0.000		0.0000	/101100	17.770	/17.761	PCB 1260-3	5.2744	/96636
18.841	/0.000		0.0000	/17198	17.899	/0.000		0.0000	/58071
19.023	/19.023	PCB 1260-3	5.0620	/186913	18.317	/0.000		0.0000	/21976
19.179	/0.000		0.0000	/27076	18.623	/18.615	PCB 1260-4	5.3460	/84700
19.441	/19.441	PCB 1260-4	5.1381	/117122	18.761	/0.000		0.0000	/44141
19.614	/0.000		0.0000	/69365	18.886	/0.000		0.0000	/21031
19.837	/0.000		0.0000	/9736	19.068	/0.000		0.0000	/1143
19.974	/0.000		0.0000	/25208	19.237	/0.000		0.0000	/22315
20.201	/20.203	PCB 1260-5	5.0139	/104246	19.441	/19.431	PCB 1260-5	5.2381	/242282
20.370	/0.000		0.0000	/54274	20.183	/0.000		0.0000	/1311
20.548	/0.000		0.0000	/16405	20.348	/0.000		0.0000	/45289
20.726	/0.000		0.0000	/7113	20.548	/0.000		0.0000	/167709
20.970	/0.000		0.0000	/20020	21.890	/0.000		0.0000	/29765
21.237	/0.000		0.0000	/324890	23.019	/0.000		0.0000	/71694
21.672	/0.000		0.0000	/14885	24.312	/0.000		0.0000	/14296
22.410	/0.000		0.0000	/154718	25.068	/25.054	DCB	0.4971	/209651
22.703	/0.000		0.0000	/79040					
22.988	/0.000		0.0000	/106789					
24.486	/0.000		0.0000	/38564					
25.730	/0.000		0.0000	/99021					
28.117	/0.000		0.0000	/20306					
30.512	/30.522	DCB	0.5019	/326220					

Huntingdon VAX Multichrom V2.0

[DEEPROJECT] 25 JUN1294,17,1

PCB 1016/1260-4 (MID/HIGH). Amount : 1.000.

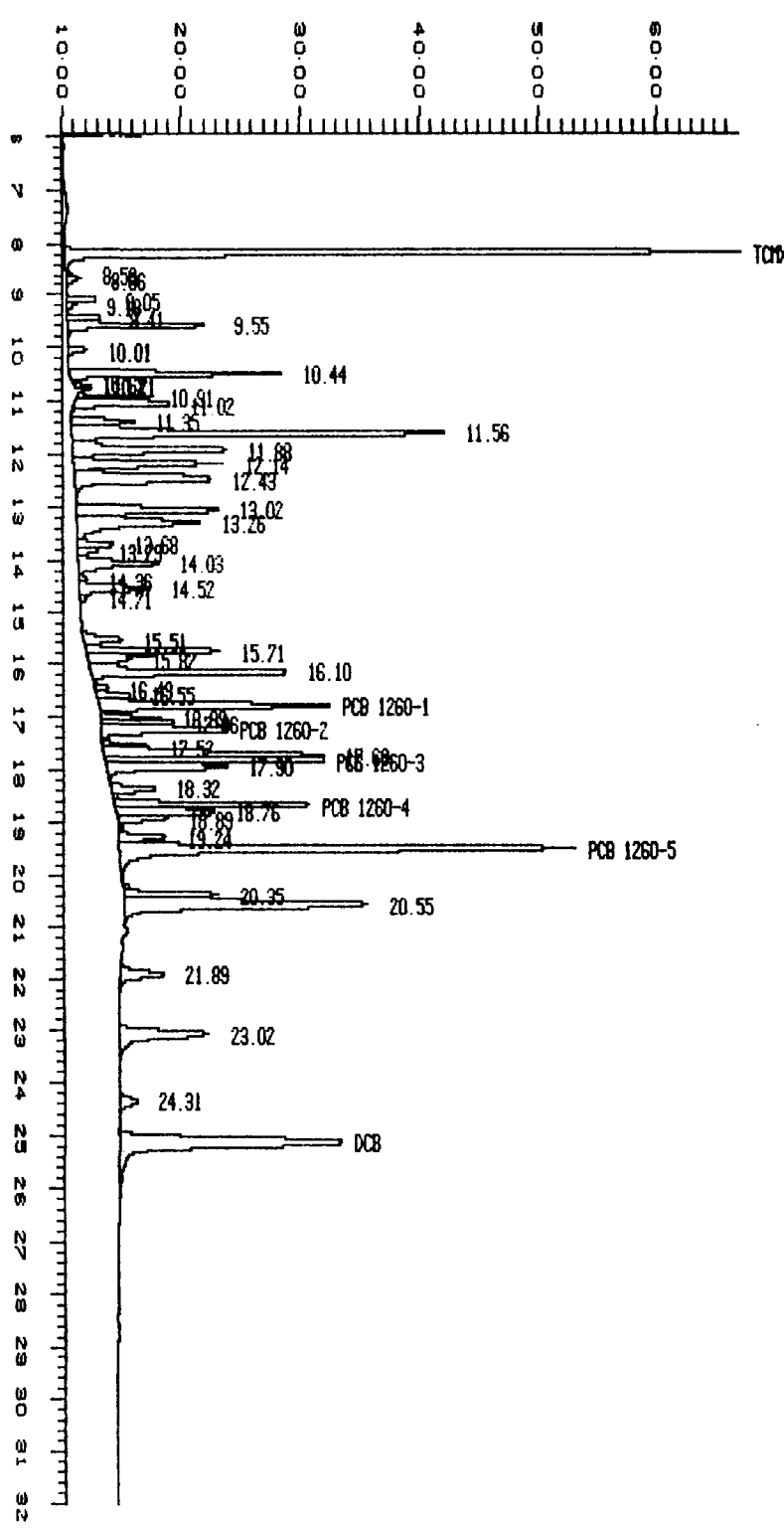
Acquired on 13-JUN-1994 at 07:58
Reported on 13-JUN-1994 at 19:34
Box 1 (of 1)



[DEEPROJECT] 26 JUN1294,17,1

PCB 1016/1260-4 (MID/HIGH). Amount : 1.000.

Acquired on 13-JUN-1994 at 08:38
Reported on 13-JUN-1994 at 19:34
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 08:38
Channel 026 Acquired on 13-JUN-1994 at 09:18

Lims Id	: P60-0612	Lims Id	: P60-0612
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080	Comment	:
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: PCB 1016/1260-5 (HIGH)	Sample Name	: PCB 1016/1260-5 (HIGH)
Sample Id	: 505-26-1	Sample Id	: 505-26-1
Bottle No	: 15	Bottle No	: 15

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.250	/0.000		0.0000	/4728	1.192	/0.000		0.0000	/2368
6.877	/0.000		0.0000	/5131	5.570	/0.000		0.0000	/2402
7.246	/0.000		0.0000	/1678	6.157	/0.000		0.0000	/1003
8.081	/0.000		0.0000	/1855	7.254	/0.000		0.0000	/1357
9.450	/9.447	TCMX	1.0017	/652810	8.143	/8.146	TCMX	0.9990	/356536
10.050	/0.000		0.0000	/28560	8.570	/0.000		0.0000	/6098
10.170	/0.000		0.0000	/11291	8.654	/0.000		0.0000	/17252
10.286	/0.000		0.0000	/29448	9.046	/0.000		0.0000	/18039
10.450	/0.000		0.0000	/121030	9.166	/0.000		0.0000	/8220
10.894	/0.000		0.0000	/16383	9.397	/0.000		0.0000	/19438
11.454	/0.000		0.0000	/211996	9.539	/0.000		0.0000	/77703
11.699	/0.000		0.0000	/50967	10.006	/0.000		0.0000	/11644
11.930	/0.000		0.0000	/162416	10.428	/0.000		0.0000	/119463
12.148	/0.000		0.0000	/5659	10.614	/0.000		0.0000	/7847
12.272	/0.000		0.0000	/9754	10.694	/0.000		0.0000	/13440
12.441	/0.000		0.0000	/73943	10.792	/0.000		0.0000	/7919
12.681	/0.000		0.0000	/429658	10.894	/0.000		0.0000	/43937
12.903	/0.000		0.0000	/210150	11.006	/0.000		0.0000	/61357
13.121	/0.000		0.0000	/191677	11.334	/0.000		0.0000	/41716
13.414	/0.000		0.0000	/26796	11.548	/0.000		0.0000	/247271
13.561	/0.000		0.0000	/103480	11.868	/0.000		0.0000	/129529
13.668	/0.000		0.0000	/85541	12.126	/0.000		0.0000	/98391
13.734	/0.000		0.0000	/115533	12.419	/0.000		0.0000	/173068
14.094	/0.000		0.0000	/209485	13.006	/0.000		0.0000	/116764
14.432	/0.000		0.0000	/212990	13.246	/0.000		0.0000	/124616
14.623	/0.000		0.0000	/57335	13.668	/0.000		0.0000	/23912
14.814	/0.000		0.0000	/16283	13.779	/0.000		0.0000	/14226
14.966	/0.000		0.0000	/11265	14.014	/0.000		0.0000	/68109
15.099	/0.000		0.0000	/23974	14.503	/0.000		0.0000	/44632
15.250	/0.000		0.0000	/121216	14.703	/0.000		0.0000	/5997
15.428	/0.000		0.0000	/16693	15.499	/0.000		0.0000	/30552
15.734	/0.000		0.0000	/18201	15.699	/0.000		0.0000	/92001

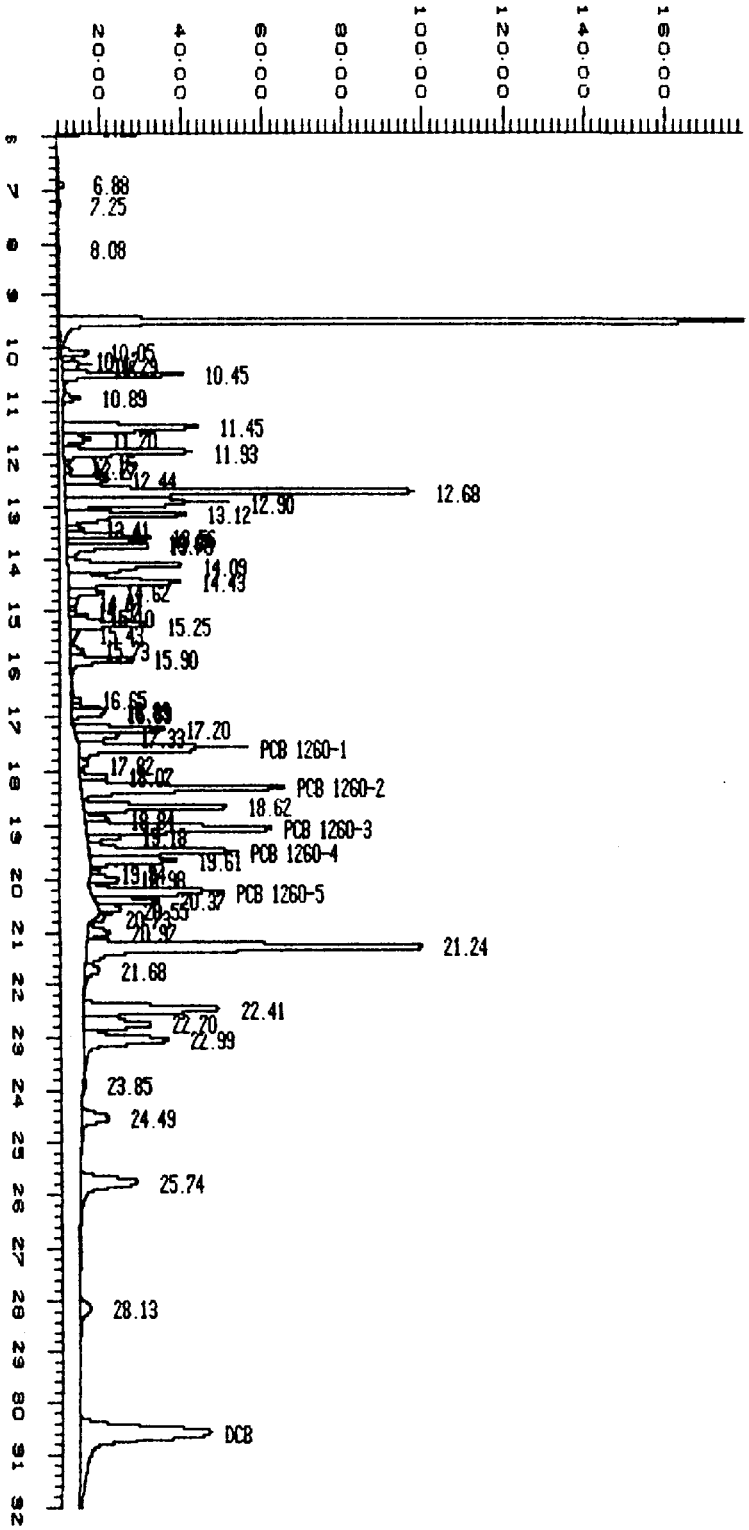
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
15.903	/0.000		0.0000	/87015	15.859	/0.000		0.0000	/46494
16.650	/0.000		0.0000	/10244	16.090	/0.000		0.0000	/141481
16.832	/0.000		0.0000	/33782	16.410	/0.000		0.0000	/15707
16.890	/0.000		0.0000	/41958	16.539	/0.000		0.0000	/24878
17.201	/0.000		0.0000	/108699	16.721	/16.727	PCB 1260-1	9.9573	/167483
17.326	/0.000		0.0000	/60874	16.983	/0.000		0.0000	/36471
17.539	/17.539	PCB 1260-1	10.0257	/219760	17.050	/0.000		0.0000	/53398
17.823	/0.000		0.0000	/12844	17.192	/17.198	PCB 1260-2	9.9573	/100533
18.068	/0.000		0.0000	/30355	17.503	/0.000		0.0000	/23226
18.263	/18.261	PCB 1260-2	10.0121	/321199	17.668	/0.000		0.0000	/202195
18.623	/0.000		0.0000	/177112	17.757	/17.761	PCB 1260-3	9.9314	/157878
18.841	/0.000		0.0000	/27622	17.886	/0.000		0.0000	/105171
19.023	/19.023	PCB 1260-3	9.9857	/323951	18.303	/0.000		0.0000	/38008
19.179	/0.000		0.0000	/43265	18.610	/18.615	PCB 1260-4	9.9106	/137350
19.441	/19.441	PCB 1260-4	9.9676	/196871	18.748	/0.000		0.0000	/71397
19.614	/0.000		0.0000	/115844	18.868	/0.000		0.0000	/35809
19.841	/0.000		0.0000	/12033	19.219	/0.000		0.0000	/35719
19.979	/0.000		0.0000	/41738	19.423	/19.431	PCB 1260-5	9.9478	/423391
20.206	/20.203	PCB 1260-5	9.9956	/184784	20.170	/0.000		0.0000	/6189
20.374	/0.000		0.0000	/95192	20.330	/0.000		0.0000	/81877
20.552	/0.000		0.0000	/28647	20.530	/0.000		0.0000	/312261
20.730	/0.000		0.0000	/12479	21.032	/0.000		0.0000	/13777
20.970	/0.000		0.0000	/35213	21.357	/0.000		0.0000	/2978
21.241	/0.000		0.0000	/591981	21.863	/0.000		0.0000	/49974
21.677	/0.000		0.0000	/37864	22.997	/0.000		0.0000	/131681
22.414	/0.000		0.0000	/273880	24.286	/0.000		0.0000	/26581
22.703	/0.000		0.0000	/141746	25.046	/25.054	DCB	1.0004	/419774
22.992	/0.000		0.0000	/200252					
23.854	/0.000		0.0000	/6185					
24.494	/0.000		0.0000	/68603					
25.739	/0.000		0.0000	/200086					
28.126	/0.000		0.0000	/42492					
30.530	/30.522	DCB	0.9996	/650287					

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,18,1

PCB 1016/1260-5 (HIGH). Amount : 1.000.

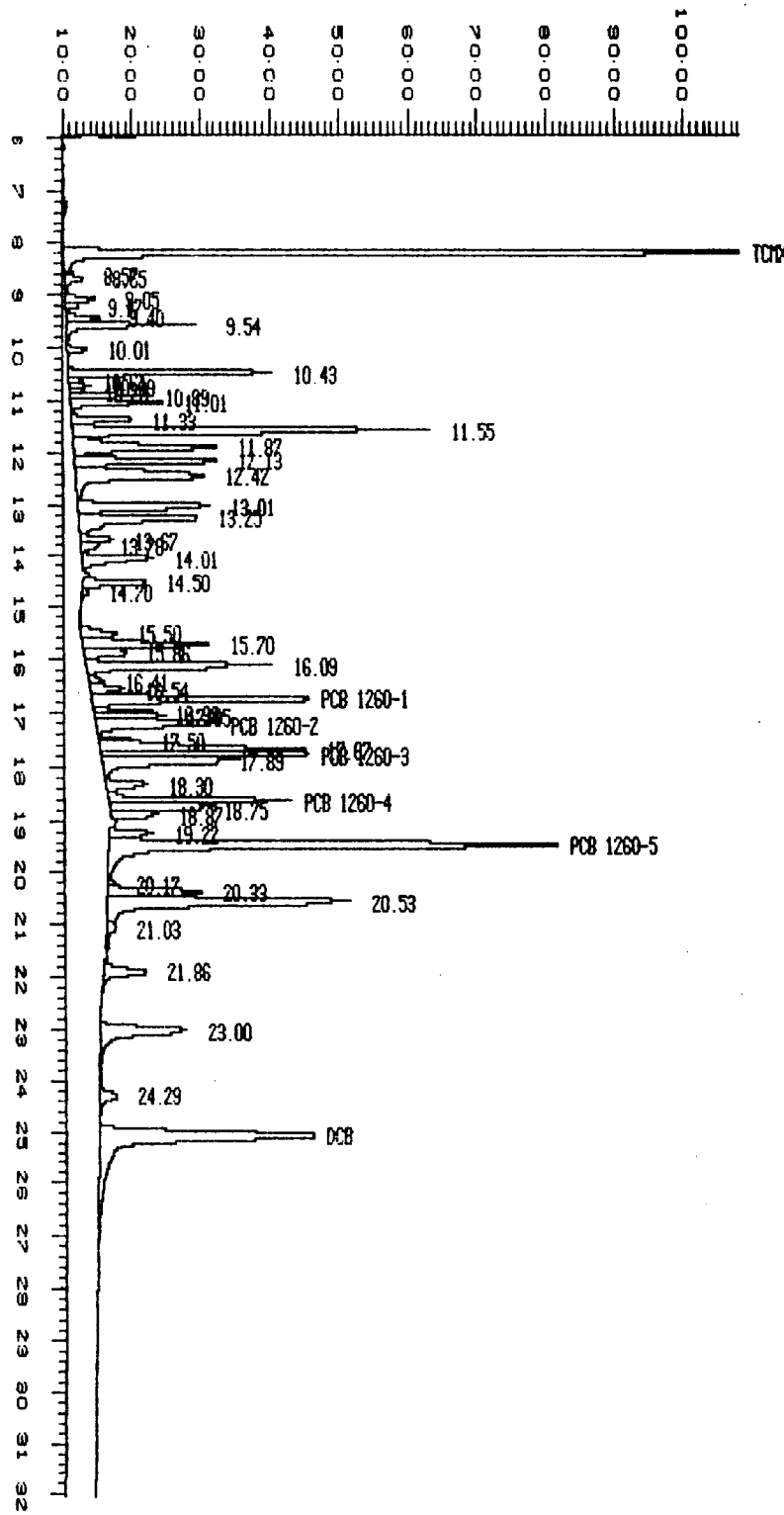
Acquired on 13-JUN-1994 at 08:38
Reported on 13-JUN-1994 at 19:35
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,18,1

PCB 1016/1260-5 (HIGH). Amount : 1.000.

Acquired on 13-JUN-1994 at 09:18
Reported on 13-JUN-1994 at 19:35
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 09:18
Channel 026 Acquired on 13-JUN-1994 at 09:59

Lims Id : P60-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-170L, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PCB 1016/1260 2ND SOURCE 5.0 UG/ML
Sample Id : 505-22-1
Bottle No : 16

Lims Id : P60-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : PCB 1016/1260 2ND SOURCE 5.0 UG/ML
Sample Id : 505-22-1
Bottle No : 16

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.250	/0.000		0.0000	/3946	1.188	/0.000		0.0000	/2056
6.872	/0.000		0.0000	/3016	5.561	/0.000		0.0000	/1303
9.446	/9.447	TCMX	0.4959	/355599	8.134	/8.146	TCMX	0.5131	/199782
10.166	/0.000		0.0000	/5041	9.161	/0.000		0.0000	/2653
13.557	/0.000		0.0000	/8590	12.361	/0.000		0.0000	/4781
15.246	/0.000		0.0000	/55130	14.006	/0.000		0.0000	/35425
15.730	/0.000		0.0000	/10539	14.343	/0.000		0.0000	/6615
15.903	/0.000		0.0000	/70929	14.499	/0.000		0.0000	/42776
16.463	/0.000		0.0000	/3504	14.703	/0.000		0.0000	/5098
16.646	/0.000		0.0000	/15649	15.188	/0.000		0.0000	/2544
17.197	/0.000		0.0000	/57103	15.694	/0.000		0.0000	/69167
17.317	/0.000		0.0000	/37270	15.854	/0.000		0.0000	/21980
17.534	/17.539	PCB 1260-1	4.7073	/118635	16.086	/0.000		0.0000	/82957
17.668	/0.000		0.0000	/16694	16.397	/0.000		0.0000	/17245
17.819	/0.000		0.0000	/9054	16.534	/0.000		0.0000	/17866
18.063	/0.000		0.0000	/19736	16.717	/16.727	PCB 1260-1	5.3325	/101076
18.254	/18.261	PCB 1260-2	5.3810	/196588	17.046	/0.000		0.0000	/52994
18.614	/0.000		0.0000	/94729	17.188	/17.198	PCB 1260-2	5.3465	/60018
18.837	/0.000		0.0000	/16290	17.503	/0.000		0.0000	/12803
19.019	/19.023	PCB 1260-3	6.1010	/219508	17.663	/0.000		0.0000	/145029
19.174	/0.000		0.0000	/20679	17.748	/17.761	PCB 1260-3	3.7525	/71724
19.432	/19.441	PCB 1260-4	3.6217	/86017	17.881	/0.000		0.0000	/52581
19.606	/0.000		0.0000	/54068	18.299	/0.000		0.0000	/15904
19.832	/0.000		0.0000	/17287	18.610	/18.615	PCB 1260-4	4.5590	/73792
19.966	/0.000		0.0000	/20444	18.743	/0.000		0.0000	/34986
20.197	/20.203	PCB 1260-5	3.9373	/83824	18.868	/0.000		0.0000	/19304
20.366	/0.000		0.0000	/39442	19.223	/0.000		0.0000	/24420
20.543	/0.000		0.0000	/9982	19.423	/19.431	PCB 1260-5	4.3436	/203957
20.686	/0.000		0.0000	/9087	20.166	/0.000		0.0000	/3719
20.966	/0.000		0.0000	/17135	20.330	/0.000		0.0000	/37139
21.232	/0.000		0.0000	/273028	20.530	/0.000		0.0000	/154067
21.663	/0.000		0.0000	/12072	21.028	/0.000		0.0000	/4613

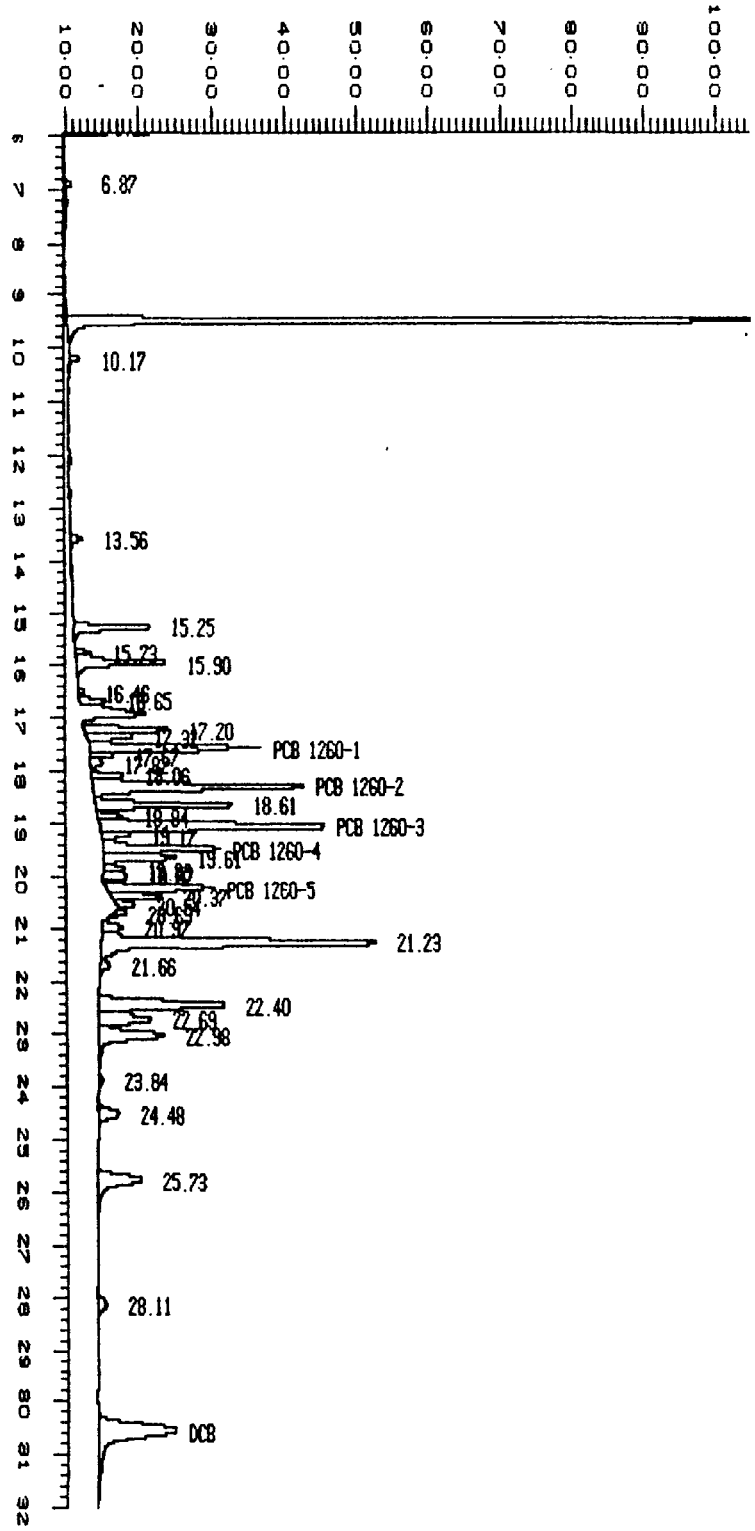
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
22.401	/0.000		0.0000	/143964	21.863	/0.000		0.0000	/22176
22.694	/0.000		0.0000	/62434	22.992	/0.000		0.0000	/54278
22.979	/0.000		0.0000	/85976	24.281	/0.000		0.0000	/11313
23.841	/0.000		0.0000	/4617	25.041	/25.054	DCB	0.3033	/128150
24.477	/0.000		0.0000	/28979					
25.726	/0.000		0.0000	/76275					
28.112	/0.000		0.0000	/16845					
30.508	/30.522	DCB	0.3002	/195077					

Huntingdon VAX Multichrom V2.0

[DEEPROJECT] 25 JUN1294,19,1

PCB 1016/1260 2ND SOURCE 5.0 UG/ML. Amount : 1.000.

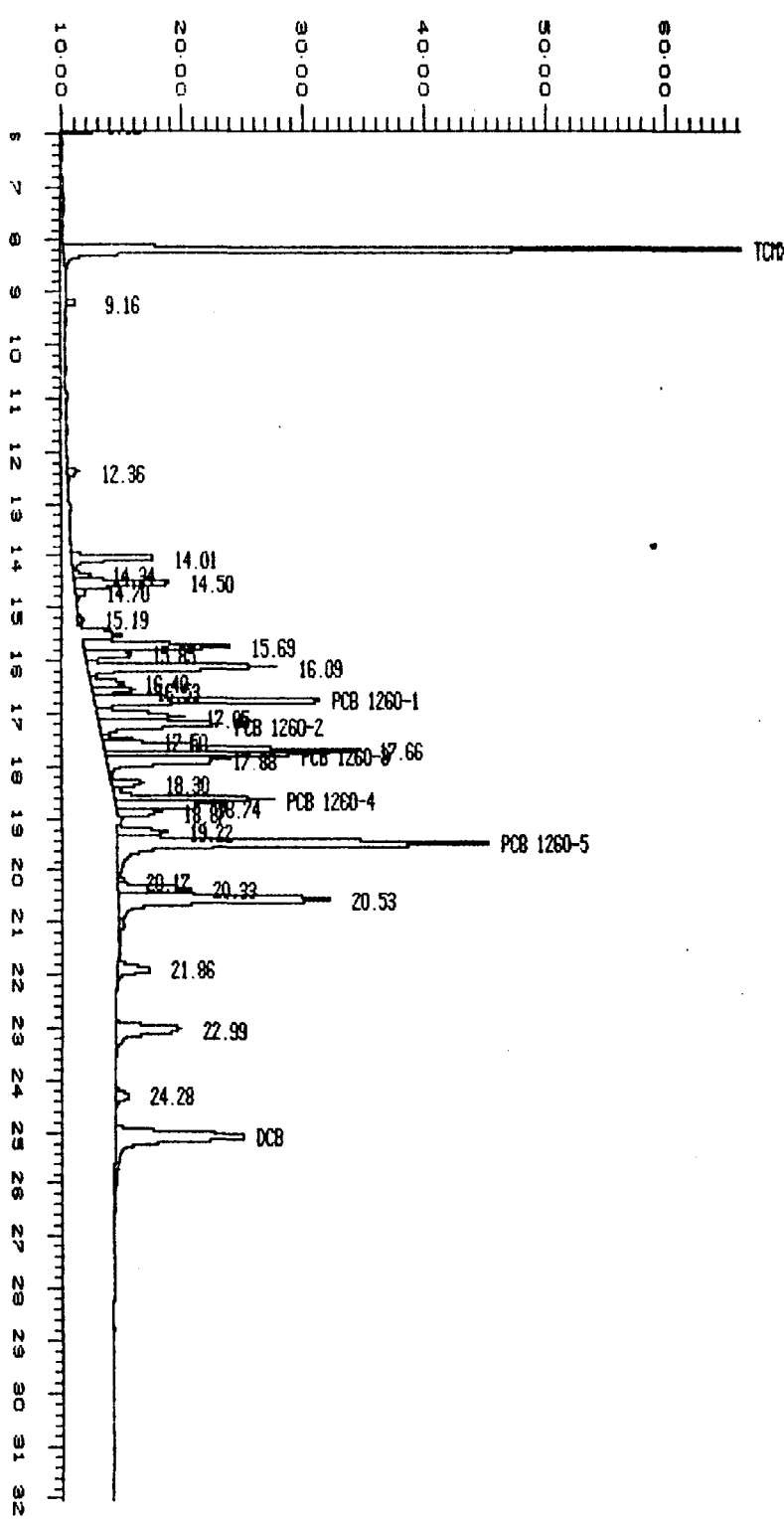
Acquired on 13-JUN-1994 at 09:18
Reported on 13-JUN-1994 at 19:35
Box 1 (of 1)



[DEEPROJECT] 26 JUN1294,19,1

PCB 1016/1260 2ND SOURCE 5.0 UG/ML. Amount : 1.000.

Acquired on 13-JUN-1994 at 09:59
Reported on 13-JUN-1994 at 19:35
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 09:59
Channel 026 Acquired on 13-JUN-1994 at 10:39

Lims Id	: PA-0612	Lims Id	: PA-0612
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080	Comment	:
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: BLK 6/9/94 SOIL	Sample Name	: BLK 6/9/94 SOIL
Sample Id	: BLK SOIL	Sample Id	: BLK SOIL
Bottle No	: 17	Bottle No	: 17

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.250	/0.000		0.0000	/13430	1.219	/0.000		0.0000	/21064
4.143	/0.000		0.0000	/2734	4.054	/0.000		0.0000	/1344
4.237	/0.000		0.0000	/10377	4.143	/0.000		0.0000	/4060
4.406	/0.000		0.0000	/2926	4.312	/0.000		0.0000	/5766
4.494	/0.000		0.0000	/10526	4.450	/0.000		0.0000	/2062
4.619	/0.000		0.0000	/5091	4.757	/0.000		0.0000	/1717
4.779	/0.000		0.0000	/3408	5.023	/0.000		0.0000	/1541
4.877	/0.000		0.0000	/3515	5.108	/0.000		0.0000	/3425
4.957	/0.000		0.0000	/7527	5.401	/0.000		0.0000	/661
5.348	/0.000		0.0000	/13678	5.552	/0.000		0.0000	/935
5.459	/0.000		0.0000	/7527	5.681	/0.000		0.0000	/15911
5.850	/0.000		0.0000	/7642419	6.001	/0.000		0.0000	/2428
6.757	/0.000		0.0000	/7216	6.103	/0.000	surrogate lost in tail of contaminant peak	0.0000	/1028
6.903	/0.000		0.0000	/7382	6.170	/0.000		0.0000	/1097
7.094	/0.000		0.0000	/3549	6.539	/0.000		0.0000	/1624
7.210	/0.000		0.0000	/5758	6.641	/0.000		0.0000	/3481
7.410	/0.000		0.0000	/29221	6.806	/0.000	not TCMX	0.0000	/1E+7
7.597	/0.000		0.0000	/30947	8.148	/8.154	TCMX CSF 6-14-94	~~2212.7205~~	~~/4E+7~~
7.899	/0.000		0.0000	/14886	10.974	/0.000		0.0000	/36161
8.068	/0.000		0.0000	/5371	11.806	/11.768	Heptachlor NC	1.8605	/38244
8.263	/0.000		0.0000	/23583	12.619	/0.000		0.0000	/42281
8.450	/0.000		0.0000	/9131	13.077	/0.000		0.0000	/320378
8.610	/0.000		0.0000	/8701	14.792	/0.000		0.0000	/23421
8.823	/0.000		0.0000	/26284	15.361	/0.000		0.0000	/97029
9.441	/9.447	TCMX surrogate lost in tail of contaminant peak CSF 6-14-94	0.5066 8%	/12666	16.103	/0.000		0.0000	/7112
9.743	/0.000		0.0000	/12630	16.294	/0.000		0.0000	/14655
9.943	/0.000		0.0000	/1273	16.566	/16.497	Endrin NC	2.0514	/25802
10.174	/0.000		0.0000	/21484	16.903	/0.000		0.0000	/7690
11.179	/11.221	gamma-BHC NC	1.2196	/47927	17.188	/0.000		0.0000	/4424
11.610	/0.000		0.0000	/60676	17.388	/0.000		0.0000	/1191
11.828	/0.000		0.0000	/47228	17.734	/17.682	4,4-DDD NC	4.6844	/43341
12.086	/0.000		0.0000	/17879	18.521	/0.000		0.0000	/31783

Recovery 5% TCMX CSF 6-14-94

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
12.237	/0.000		0.0000	/206033	18.677	/0.000		0.0000	/11520
12.797	/0.000		0.0000	/1922	18.912	/0.000		0.0000	/107323
13.072	/13.105	Heptachlor <PQL	0.0083	/298	19.303	/0.000		0.0000	/519866
13.503	/0.000		0.0000	/7061	19.868	/19.899	Methoxychlor NC	29.0634	/156679
13.779	/0.000		0.0000	/3184	21.699	/0.000		0.0000	/43484
14.321	/0.000		0.0000	/6424	22.974	/0.000		0.0000	/2712
14.574	/0.000		0.0000	/15003	23.788	/0.000		0.0000	/44118
14.881	/0.000		0.0000	/24861	25.037	/25.062	DCB 41%	2.7504	/35636
15.139	/0.000		0.0000	/187767	25.628	/0.000		0.0000	/280636
15.961	/0.000		0.0000	/6882	32.303	/0.000		0.0000	/32900
16.921	/16.938	Dieldrin <PQL	0.1201	/2972					
17.352	/0.000		0.0000	/79147					
17.850	/17.900	4,4-DDD <PQL	0.4720	/7931					
18.272	/0.000		0.0000	/125586					
19.148	/0.000		0.0000	/3014					
19.303	/0.000		0.0000	/2442					
19.552	/0.000		0.0000	/14476					
19.846	/0.000		0.0000	/989					
21.134	/0.000		0.0000	/110512					
21.463	/0.000		0.0000	/45198					
30.499	/30.510	DCB 44%	2.9624	/53461					

Reported on 14-JUN-1994 at 01:48
Modified on 13-JUN-1994 at 16:34

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : C_FOXHOVEN

Channel 025 Acquired on 13-JUN-1994 at 09:59
Channel 026 Acquired on 13-JUN-1994 at 10:39

Lims Id : PB-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 8080
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : BLK 6/9/94 SOIL
Sample Id : BLK SOIL
Bottle No : 17

Lims Id : PB-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : BLK 6/9/94 SOIL
Sample Id : BLK SOIL
Bottle No : 17

RT(real/expected)		Peak Name		Amount/Area		RT(real/expected)		Peak Name		Amount/Area	
1.250	/0.000			0.0000	/13430	1.219	/0.000			0.0000	/21064
4.143	/0.000			0.0000	/2734	4.054	/0.000			0.0000	/1344
4.237	/0.000			0.0000	/10377	4.143	/0.000			0.0000	/4060
4.406	/0.000			0.0000	/2926	4.312	/0.000			0.0000	/5766
4.494	/0.000			0.0000	/10526	4.450	/0.000			0.0000	/2062
4.619	/0.000			0.0000	/5091	4.757	/0.000			0.0000	/1717
4.779	/0.000			0.0000	/3408	5.023	/0.000			0.0000	/1541
4.877	/0.000			0.0000	/3515	5.108	/0.000			0.0000	/3425
4.957	/0.000			0.0000	/7527	5.401	/0.000			0.0000	/661
5.348	/0.000			0.0000	/13678	5.552	/0.000			0.0000	/935
5.459	/0.000			0.0000	/7527	5.681	/0.000			0.0000	/15911
5.850	/0.000			0.0000	/7642419	6.001	/0.000			0.0000	/2428
6.757	/0.000			0.0000	/7216	6.103	/0.000			0.0000	/1028
6.903	/0.000			0.0000	/7382	6.170	/0.000			0.0000	/1097
7.094	/0.000			0.0000	/3549	6.539	/0.000			0.0000	/1624
7.210	/0.000			0.0000	/5750	6.641	/0.000			0.0000	/3481
7.410	/0.000			0.0000	/29221	6.806	/0.000			0.0000	/1E+7
7.597	/0.000			0.0000	/30947	8.152	/8.150	TCMX	4%	0.2996	/4431
7.899	/0.000			0.0000	/14886	10.974	/0.000			0.0000	/36161
8.068	/0.000			0.0000	/5371	11.806	/0.000			0.0000	/38244
8.263	/0.000			0.0000	/23583	12.619	/0.000			0.0000	/42281
8.450	/0.000			0.0000	/9131	13.077	/0.000			0.0000	/320378
8.610	/0.000			0.0000	/8701	14.792	/0.000			0.0000	/23421
8.823	/0.000			0.0000	/26284	15.361	/0.000			0.0000	/97029
9.441	/9.443	TCMX	7%	0.4600	/12666	16.103	/0.000			0.0000	/7112
9.743	/0.000			0.0000	/12630	16.294	/0.000			0.0000	/14655
9.943	/0.000			0.0000	/1273	16.566	/0.000			0.0000	/25802
10.174	/0.000			0.0000	/21484	16.903	/0.000			0.0000	/7690
11.179	/0.000			0.0000	/47927	17.188	/0.000			0.0000	/4424
11.610	/0.000			0.0000	/60676	17.388	/0.000			0.0000	/1191
11.828	/0.000			0.0000	/47228	17.734	/0.000			0.0000	/30373

Reported on 14-JUN-1994 at 01:48
Modified on 13-JUN-1994 at 16:34

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
12.086	/0.000		0.0000	/17879	18.521	/0.000		0.0000	/17370
12.237	/0.000		0.0000	/206033	18.912	/18.963	Endrin aldehyde	10.0050	/66405
12.797	/0.000		0.0000	/1922	19.303	/0.000		0.0000	/409969
13.072	/0.000		0.0000	/298	21.699	/0.000		0.0000	/43484
13.503	/0.000		0.0000	/7061	22.974	/0.000		0.0000	/2712
13.779	/0.000		0.0000	/3184	23.788	/0.000		0.0000	/44118
14.321	/0.000		0.0000	/6424	25.037	/25.051	DCB 36%	2.4114	/35636
14.574	/0.000		0.0000	/15003	25.628	/0.000		0.0000	/280636
14.881	/0.000	NC	0.0000	/24861	32.303	/0.000		0.0000	/32900
15.139	/15.120	Heptachlor epoxide	5.6578	/187767					
15.961	/0.000		0.0000	/6882					
16.921	/0.000		0.0000	/2972					
17.352	/0.000		0.0000	/79147					
17.850	/17.842	beta-Endosulfan NC	0.4176	/7931					
18.272	/18.248	Endrin aldehyde	10.3574	/125586					
19.148	/0.000		0.0000	/3014					
19.303	/0.000		0.0000	/2442					
19.552	/0.000		0.0000	/14476					
19.846	/0.000		0.0000	/989					
21.134	/0.000		0.0000	/110512					
21.463	/0.000		0.0000	/45198					
30.499	/30.509	DCB 40%	2.6675	/53461					

Reported on 14-JUN-1994 at 00:00
Modified on 13-JUN-1994 at 16:34

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : C_FOXHOVEN

Channel 025 Acquired on 13-JUN-1994 at 09:59
Channel 026 Acquired on 13-JUN-1994 at 10:39

Lims Id	: P60-0612	Lims Id	: P60-0612
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080	Comment	:
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: BLK 6/9/94 SOIL	Sample Name	: BLK 6/9/94 SOIL
Sample Id	: BLK SOIL	Sample Id	: BLK SOIL
Bottle No	: 17	Bottle No	: 17

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.250	/0.000		0.0000	/13430	1.219	/0.000		0.0000	/21064
4.143	/0.000		0.0000	/2734	4.054	/0.000		0.0000	/1344
4.237	/0.000		0.0000	/10377	4.143	/0.000		0.0000	/4060
4.406	/0.000		0.0000	/2926	4.312	/0.000		0.0000	/5766
4.494	/0.000		0.0000	/10526	4.450	/0.000		0.0000	/2062
4.619	/0.000		0.0000	/5091	4.757	/0.000		0.0000	/1717
4.779	/0.000		0.0000	/3408	5.023	/0.000		0.0000	/1541
4.877	/0.000		0.0000	/3515	5.108	/0.000		0.0000	/3425
4.957	/0.000		0.0000	/7527	5.401	/0.000		0.0000	/661
5.348	/0.000		0.0000	/13678	5.552	/0.000		0.0000	/935
5.459	/0.000		0.0000	/7527	5.681	/0.000		0.0000	/15911
5.850	/0.000		0.0000	/7642419	6.001	/0.000		0.0000	/2428
6.757	/0.000		0.0000	/7216	6.103	/0.000		0.0000	/1028
6.903	/0.000		0.0000	/7382	6.170	/0.000		0.0000	/1097
7.094	/0.000		0.0000	/3549	6.539	/0.000		0.0000	/1624
7.210	/0.000		0.0000	/5758	6.641	/0.000		0.0000	/3481
7.410	/0.000		0.0000	/29221	6.806	/0.000	not TCMX	0.0000	/1E+7
7.597	/0.000		0.0000	/30947	8.148	/8.146	~~TCMX~~	~~4126.0215~~	~~/4E+7~~
7.899	/0.000		0.0000	/14886	10.974	/0.000	CDF 6-19-94	0.0000	/36161
8.068	/0.000		0.0000	/5371	11.306	/0.000		0.0000	/38244
8.263	/0.000		0.0000	/23583	12.619	/0.000		0.0000	/42281
8.450	/0.000		0.0000	/9131	13.077	/0.000		0.0000	/320378
8.610	/0.000		0.0000	/8701	14.792	/0.000		0.0000	/23421
8.823	/0.000		0.0000	/26284	15.361	/0.000		0.0000	/97029
9.441	/9.447	TCMX 82	0.5419	/12666	16.103	/0.000		0.0000	/7112
9.743	/0.000		0.0000	/12630	16.294	/0.000		0.0000	/14655
9.943	/0.000		0.0000	/1273	16.566	/0.000		0.0000	/25802
10.174	/0.000		0.0000	/21484	16.903	/0.000		0.0000	/7690
11.179	/0.000		0.0000	/47927	17.188	/17.198	PCB 1260-2	11.8475	/4424
11.610	/0.000		0.0000	/60676	17.388	/0.000		0.0000	/1191
11.828	/0.000		0.0000	/47228	17.734	/17.761	PCB 1260-3	72.4673	/43341

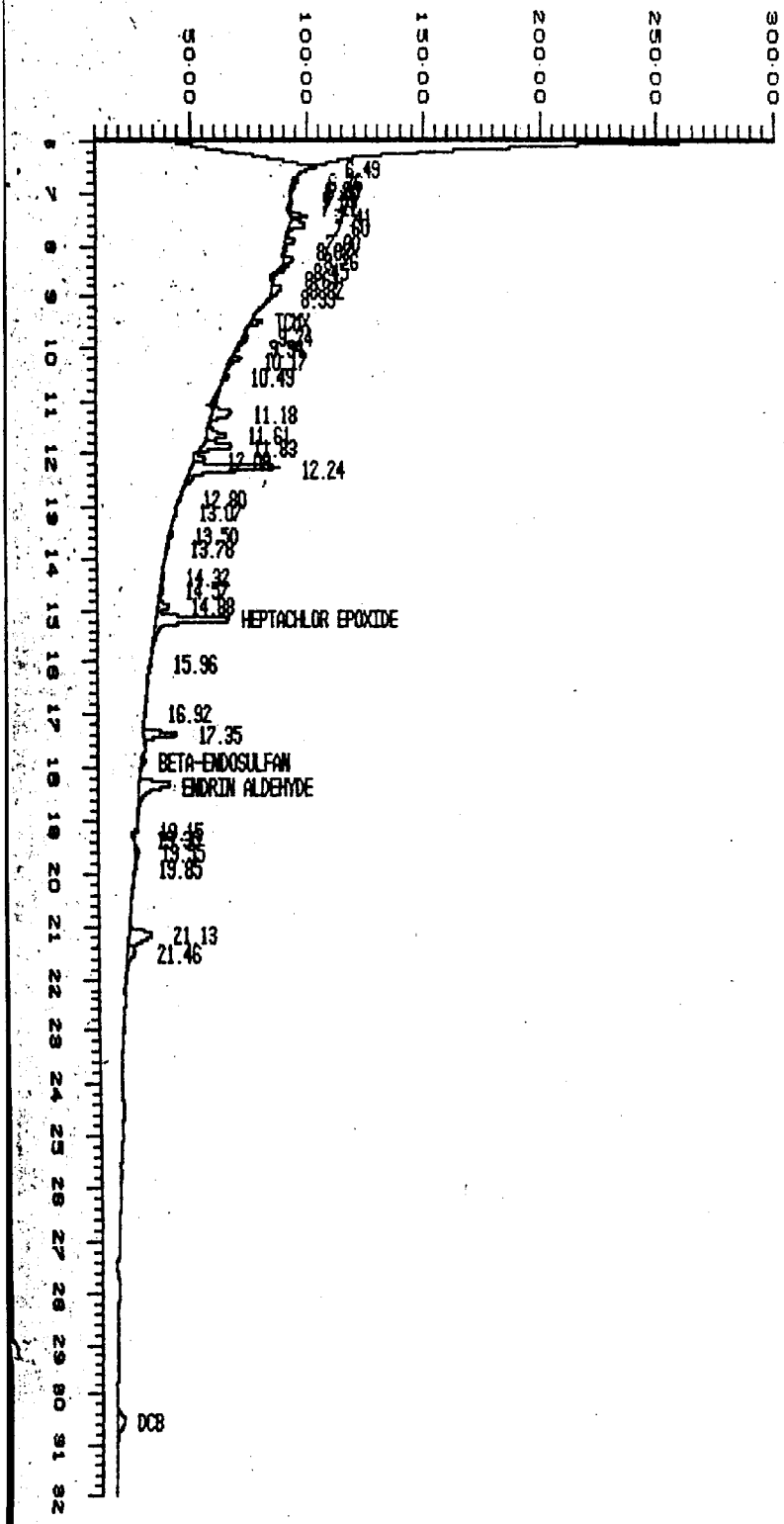
RT(real/expected)		Peak Name		Amount/Area		RT(real/expected)		Peak Name		Amount/Area	
12.086	/0.000			0.0000	/17879	18.521	/0.000			0.0000	/31783
12.237	/0.000			0.0000	/206033	18.677	/18.615	PCB 1260-4		21.4660	/11520
12.797	/0.000			0.0000	/1922	18.912	/0.000			0.0000	/107323
13.072	/0.000			0.0000	/298	19.303	/0.000			0.0000	/519866
13.503	/0.000			0.0000	/7061	19.868	/0.000			0.0000	/156679
13.779	/0.000			0.0000	/3184	21.699	/0.000			0.0000	/43484
14.321	/0.000			0.0000	/6424	22.974	/0.000			0.0000	/2712
14.574	/0.000			0.0000	/15003	23.788	/0.000			0.0000	/44118
14.881	/0.000			0.0000	/24861	25.037	/25.054	DCB	42%	2.8047	/35636
15.139	/0.000			0.0000	/187767	25.628	/0.000			0.0000	/280636
15.961	/0.000			0.0000	/6882	32.303	/0.000			0.0000	/32900
16.921	/0.000			0.0000	/2972						
17.352	/0.000			0.0000	/79147						
17.850	/0.000			0.0000	/7931						
18.272	/18.261	PCB 1260-2		108.5142	/125586						
19.148	/0.000			0.0000	/3014						
19.303	/0.000			0.0000	/2442						
19.552	/0.000			0.0000	/14476						
19.846	/0.000			0.0000	/989						
21.134	/0.000			0.0000	/110512						
21.463	/0.000			0.0000	/45198						
30.499	/30.522	DCB	41%	2.7432	/53461						

Huntingdon VAX Multichrom V2.0

[DEEPROJECT] 25 JUN1294,20,1

BLK 6/9/94 SOIL. Amount : 1.000.

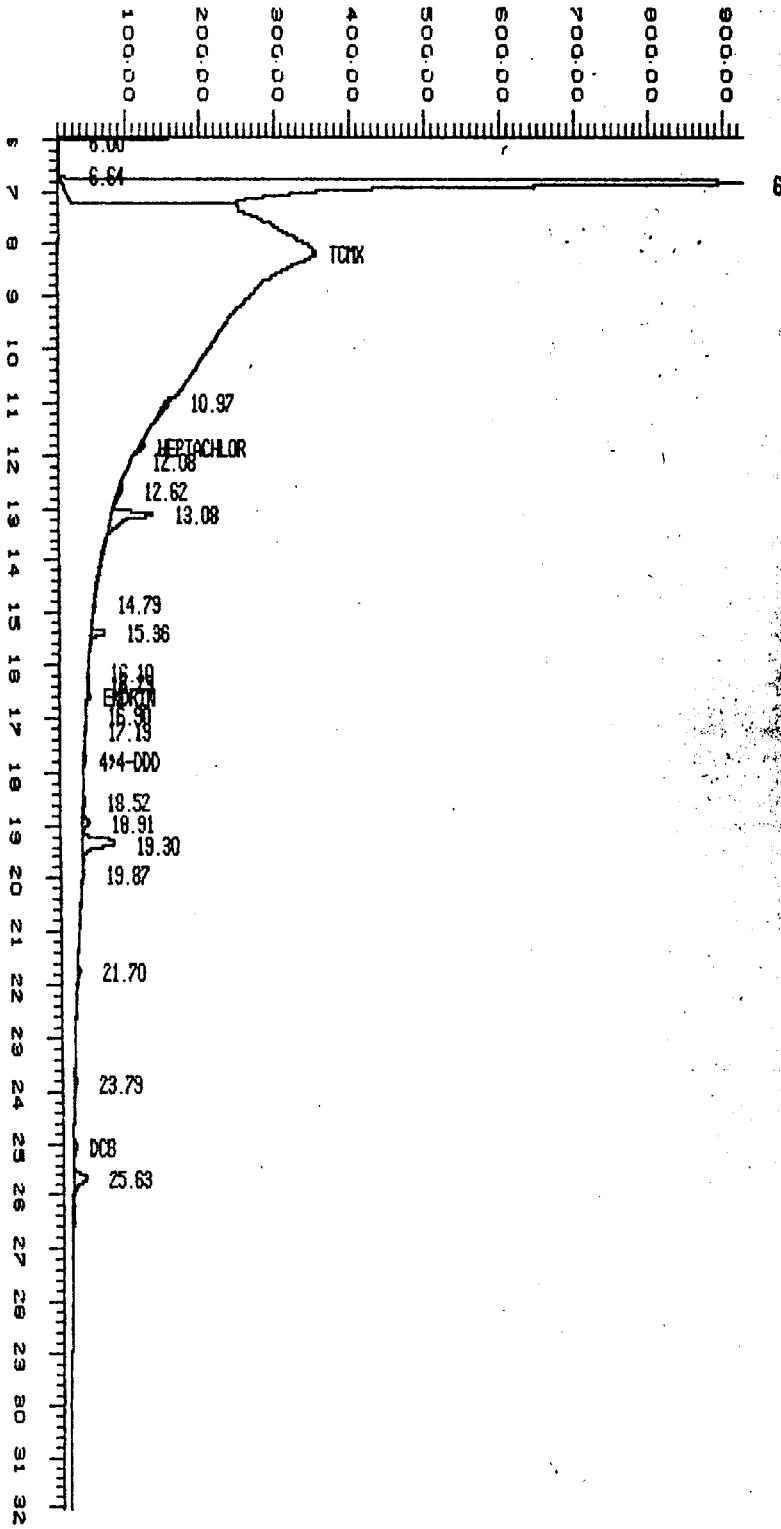
Acquired on 13-JUN-1994 at 09:59
Reported on 17-JUN-1994 at 14:10
Box 1 (of 1)



[DEEPROJECT] 26 JUN1294,20,1

BLK 6/9/94 SOIL. Amount : 1.000.

Acquired on 13-JUN-1994 at 10:39
Reported on 17-JUN-1994 at 14:10
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 10:39
Channel 026 Acquired on 13-JUN-1994 at 11:19

Lims Id : PA-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : LCS 6/9/94 SOIL
Sample Id : LCS SOIL
Bottle No : 18

Lims Id : PA-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : LCS 6/9/94 SOIL
Sample Id : LCS SOIL
Bottle No : 18

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.259	/0.000		0.0000	/5751872	1.219	/0.000		0.0000	/6386304
4.072	/0.000		0.0000	/2178	4.050	/0.000		0.0000	/2586
4.134	/0.000		0.0000	/2709	4.148	/0.000		0.0000	/9691
4.232	/0.000		0.0000	/8400	4.312	/0.000		0.0000	/15626
4.299	/0.000		0.0000	/4046	4.454	/0.000		0.0000	/1439
4.401	/0.000		0.0000	/7857	4.539	/0.000		0.0000	/1365
4.494	/0.000		0.0000	/21351	4.646	/0.000		0.0000	/763
4.628	/0.000		0.0000	/7904	4.819	/0.000		0.0000	/11189
4.779	/0.000		0.0000	/8124	4.934	/0.000		0.0000	/2977
4.877	/0.000		0.0000	/7423	5.019	/0.000		0.0000	/5191
4.961	/0.000		0.0000	/23067	5.112	/0.000		0.0000	/41760
5.103	/0.000		0.0000	/2561	5.237	/0.000		0.0000	/4663
5.250	/0.000		0.0000	/3763	5.397	/0.000		0.0000	/3002
5.348	/0.000		0.0000	/188766	5.468	/0.000		0.0000	/1861
5.454	/0.000		0.0000	/20737	5.543	/0.000		0.0000	/5054
5.610	/0.000		0.0000	/3785	5.650	/0.000		0.0000	/53980
5.832	/0.000		0.0000	/235745	5.877	/0.000		0.0000	/3086
6.077	/0.000		0.0000	/36189	5.997	/0.000		0.0000	/7507
6.174	/0.000		0.0000	/27983	6.103	/0.000		0.0000	/5217
6.303	/0.000		0.0000	/12615	6.166	/0.000		0.0000	/4560
6.499	/0.000		0.0000	/74031	6.263	/0.000		0.0000	/2927
6.774	/0.000		0.0000	/52960	6.334	/0.000		0.0000	/928
6.912	/0.000		0.0000	/7405	6.534	/0.000		0.0000	/4009
7.086	/0.000		0.0000	/8883	6.641	/0.000		0.0000	/20704
7.206	/0.000		0.0000	/22301	6.792	/0.000		0.0000	/573675
7.410	/0.000		0.0000	/160036	7.290	/0.000		0.0000	/87070
7.597	/0.000		0.0000	/84350	7.517	/0.000		0.0000	/14836
7.748	/0.000		0.0000	/1489	7.686	/0.000		0.0000	/5937
7.899	/0.000		0.0000	/36679	7.974	/0.000		0.0000	/1750
8.063	/0.000		0.0000	/8318	8.157	/8.154	TCMX 177%	11.8093	/174181
8.254	/0.000		0.0000	/163243	8.406	/0.000		0.0000	/6477
8.437	/0.000		0.0000	/229266	8.610	/0.000		0.0000	/32411

RT(real/expected)		Peak Name		Amount/Area	
8.588	/0.000			0.0000	/9968
8.761	/0.000			0.0000	/7710
8.899	/0.000			0.0000	/7002
8.988	/0.000			0.0000	/20684
9.054	/0.000			0.0000	/16809
9.268	/0.000			0.0000	/6067
9.441	/9.447	TCMX	52%	3.4969	/89403
9.801	/0.000			0.0000	/30655
10.179	/0.000			0.0000	/4970
10.299	/0.000			0.0000	/11221
10.414	/10.416	alpha-BHC		0.3551	/14504
10.494	/0.000			0.0000	/58483
11.210	/11.221	gamma-BHC	316%	10.5295	/466124
11.392	/0.000	coelute with garbage peaks CJF 6-14-94		0.0000	/93179
11.619	/0.000			0.0000	/180871
11.832	/0.000			0.0000	/160398
12.090	/0.000			0.0000	/38545
12.317	/0.000			0.0000	/10146
12.459	/0.000			0.0000	/12775
12.797	/0.000			0.0000	/34920
13.099	/13.105	Heptachlor	74%	2.4766	/92263
13.508	/0.000			0.0000	/14286
13.819	/0.000			0.0000	/9754
14.081	/0.000			0.0000	/80873
14.286	/0.000			0.0000	/14128
14.574	/0.000			0.0000	/81156
14.903	/0.000			0.0000	/7644
15.143	/0.000			0.0000	/417107
15.748	/0.000			0.0000	/4100
15.948	/0.000			0.0000	/10756
16.934	/16.938	Dieldrin	86%	5.7224	/149817
17.543	/17.550	Endrin	106%	7.1035	/148804
17.850	/17.900	4,4-DDD		1.5007	/25471
18.983	/18.992	4,4-DDT	78%	5.2157	/106649
19.512	/0.000			0.0000	/10286
21.223	/0.000			0.0000	/6250
22.392	/0.000			0.0000	/17163
25.708	/0.000			0.0000	/5358
30.499	/30.510	DCB	72%	4.8097	/88997

RT(real/expected)		Peak Name		Amount/Area	
8.957	/0.000			0.0000	/9195
9.054	/0.000			0.0000	/2803
9.214	/0.000			0.0000	/767
9.428	/0.000			0.0000	/9685
9.539	/0.000			0.0000	/2491
9.730	/0.000			0.0000	/3055
9.828	/0.000			0.0000	/4593
9.903	/0.000			0.0000	/13660
10.197	/0.000			0.0000	/2044
10.312	/10.283	alpha-BHC		0.1094	/2205
10.579	/0.000			0.0000	/1545
10.766	/0.000			0.0000	/18457
10.886	/0.000			0.0000	/5419
11.246	/11.253	gamma-BHC	71%	2.3580	/48034
11.623	/0.000			0.0000	/16957
11.792	/11.768	Heptachlor	229%	7.6182	/167586
12.072	/0.000			0.0000	/26777
12.459	/0.000			0.0000	/45908
12.610	/0.000			0.0000	/174204
12.761	/0.000			0.0000	/77007
12.997	/0.000			0.0000	/80725
13.277	/0.000			0.0000	/3765
13.392	/0.000			0.0000	/2823
14.174	/0.000			0.0000	/7390
14.290	/0.000			0.0000	/4584
14.774	/0.000			0.0000	/1052
15.357	/0.000			0.0000	/220180
15.930	/15.942	Dieldrin	76%	5.1012	/82750
16.086	/0.000			0.0000	/4174
16.174	/0.000			0.0000	/1663
16.481	/16.497	Endrin	98%	6.5454	/86919
16.903	/0.000			0.0000	/47905
17.263	/0.000			0.0000	/4913
17.383	/0.000			0.0000	/6245
17.592	/0.000			0.0000	/18489
18.126	/18.137	4,4-DDT	93%	6.2057	/59261
18.774	/0.000			0.0000	/2394
19.090	/0.000			0.0000	/1783
19.312	/0.000			0.0000	/10017
19.419	/0.000			0.0000	/7652
19.877	/19.899	Methoxychlor		0.7277	/3733
20.534	/0.000			0.0000	/5413
21.957	/0.000			0.0000	/3657
22.988	/0.000			0.0000	/4224
25.037	/25.062	DCB	70%	4.6636	/61577

Reported on 13-JUN-1994 at 23:46
Modified on 13-JUN-1994 at 16:34

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : C_FOXHOVEN

Channel 025 Acquired on 13-JUN-1994 at 10:39
Channel 026 Acquired on 13-JUN-1994 at 11:19

Lims Id : PB-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : LCS 6/9/94 SOIL
Sample Id : LCS SOIL
Bottle No : 18

Lims Id : PB-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : LCS 6/9/94 SOIL
Sample Id : LCS SOIL
Bottle No : 18

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.259	/0.000		0.0000	/5751872	1.219	/0.000		0.0000	/6386304
4.072	/0.000		0.0000	/2178	4.050	/0.000		0.0000	/2586
4.134	/0.000		0.0000	/2709	4.148	/0.000		0.0000	/9691
4.232	/0.000		0.0000	/8400	4.312	/0.000		0.0000	/15626
4.299	/0.000		0.0000	/4046	4.454	/0.000		0.0000	/1439
4.401	/0.000		0.0000	/7857	4.539	/0.000		0.0000	/1365
4.494	/0.000		0.0000	/21351	4.646	/0.000		0.0000	/763
4.628	/0.000		0.0000	/7904	4.819	/0.000		0.0000	/11189
4.779	/0.000		0.0000	/8124	4.934	/0.000		0.0000	/2977
4.877	/0.000		0.0000	/7423	5.019	/0.000		0.0000	/5191
4.961	/0.000		0.0000	/23067	5.112	/0.000		0.0000	/41760
5.103	/0.000		0.0000	/2561	5.237	/0.000		0.0000	/4663
5.250	/0.000		0.0000	/3763	5.397	/0.000		0.0000	/3002
5.348	/0.000		0.0000	/188766	5.468	/0.000		0.0000	/1861
5.454	/0.000		0.0000	/20737	5.543	/0.000		0.0000	/5054
5.610	/0.000		0.0000	/3785	5.650	/0.000		0.0000	/53980
5.832	/0.000		0.0000	/235745	5.877	/0.000		0.0000	/3086
6.077	/0.000		0.0000	/36189	5.997	/0.000		0.0000	/7507
6.174	/0.000		0.0000	/27983	6.103	/0.000		0.0000	/5217
6.303	/0.000		0.0000	/12615	6.166	/0.000		0.0000	/4560
6.499	/0.000		0.0000	/74031	6.263	/0.000		0.0000	/2927
6.774	/0.000		0.0000	/52960	6.334	/0.000		0.0000	/928
6.912	/0.000		0.0000	/7405	6.534	/0.000		0.0000	/4009
7.086	/0.000		0.0000	/8883	6.641	/0.000		0.0000	/20704
7.206	/0.000		0.0000	/22301	6.792	/0.000		0.0000	/573675
7.410	/0.000		0.0000	/160036	7.290	/0.000		0.0000	/87070
7.597	/0.000		0.0000	/84350	7.517	/0.000		0.0000	/14836
7.748	/0.000		0.0000	/1489	7.686	/0.000		0.0000	/5937
7.899	/0.000		0.0000	/36679	7.974	/0.000		0.0000	/1750
8.063	/0.000		0.0000	/8318	8.157	/8.150	TCMX	11.4130	/174181
8.254	/0.000		0.0000	/163243	8.406	/0.000		0.0000	/6477

171 2

RT(real/expected)		Peak Name	Amount/Area	
8.437	/0.000		0.0000	/229266
8.588	/0.000		0.0000	/9968
8.761	/0.000		0.0000	/7710
8.899	/0.000		0.0000	/7002
8.988	/0.000		0.0000	/20684
9.054	/0.000		0.0000	/16809
9.268	/0.000		0.0000	/6067
9.441	/9.443	TCMX 48%	3.2127	/89403
9.801	/0.000		0.0000	/30655
10.179	/0.000		0.0000	/4970
10.299	/0.000		0.0000	/11221
10.414	/0.000		0.0000	/14504
10.494	/0.000		0.0000	/58483
11.210	/0.000		0.0000	/466124
11.392	/0.000		0.0000	/93179
11.619	/0.000		0.0000	/180871
11.832	/0.000		0.0000	/160398
12.090	/0.000		0.0000	/38545
12.317	/0.000		0.0000	/10146
12.459	/0.000		0.0000	/12775
12.797	/0.000		0.0000	/34920
13.099	/0.000		0.0000	/92263
13.508	/0.000		0.0000	/14286
13.819	/0.000		0.0000	/9754
14.081	/14.084	Aldrin 65%	2.1650	/80873
14.286	/0.000		0.0000	/14128
14.574	/0.000		0.0000	/81156
14.903	/0.000		0.0000	/7644
15.143	/15.120	Heptachlor epoxide	11.7193	/417107
15.748	/15.779	gamma-Chlordane	0.1333	/4100
15.948	/0.000		0.0000	/10756
16.934	/0.000		0.0000	/149817
17.543	/0.000		0.0000	/148804
17.850	/17.842	beta-Endosulfan	1.3323	/25471
18.983	/18.924	Endosulfan sulfate	5.8464	/106649
19.512	/0.000		0.0000	/10286
21.223	/0.000		0.0000	/6250
22.392	/0.000		0.0000	/17163
25.708	/0.000		0.0000	/5358
30.499	/30.509	DCB 65%	4.3496	/88997

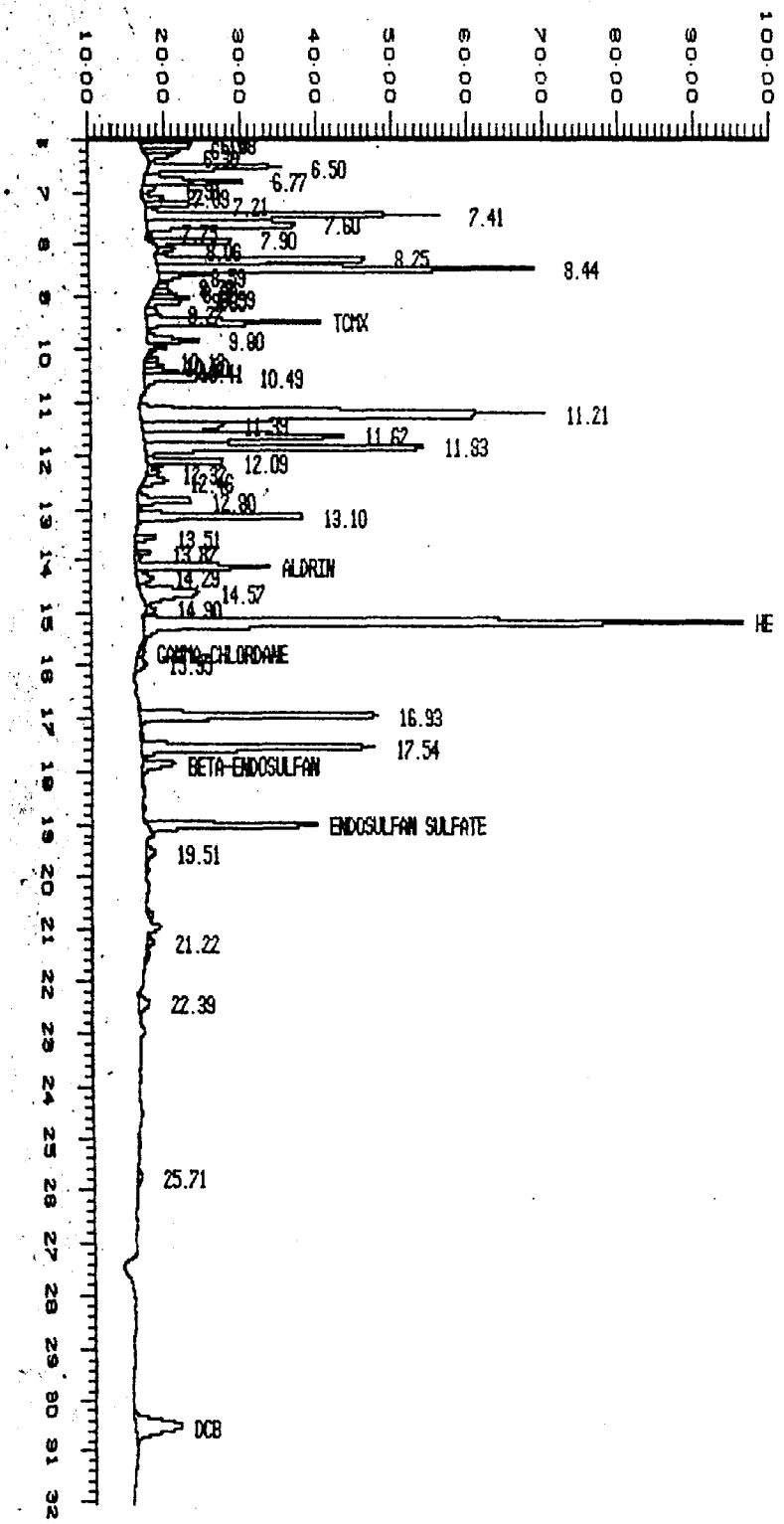
RT(real/expected)		Peak Name	Amount/Area	
8.610	/0.000		0.0000	/32411
8.957	/0.000		0.0000	/9195
9.054	/0.000		0.0000	/2803
9.214	/0.000		0.0000	/767
9.428	/0.000		0.0000	/9685
9.539	/0.000		0.0000	/2491
9.730	/0.000		0.0000	/3055
9.828	/0.000		0.0000	/4593
9.903	/0.000		0.0000	/13660
10.197	/0.000		0.0000	/2044
10.312	/0.000		0.0000	/2205
10.579	/0.000		0.0000	/1545
10.766	/0.000		0.0000	/18457
10.886	/0.000		0.0000	/5419
11.246	/0.000		0.0000	/48034
11.623	/0.000		0.0000	/16957
11.792	/0.000		0.0000	/167586
12.072	/0.000		0.0000	/26777
12.459	/12.461	Aldrin 64%	2.1401	/45908
12.610	/0.000		0.0000	/174204
12.761	/0.000		0.0000	/77007
12.997	/0.000		0.0000	/80725
13.277	/0.000		0.0000	/3765
13.392	/0.000		0.0000	/2823
14.174	/14.217	Heptachlor epoxide	0.3981	/7390
14.290	/0.000		0.0000	/4584
14.774	/0.000		0.0000	/1052
15.357	/0.000		0.0000	/220180
15.930	/0.000		0.0000	/82750
16.086	/0.000		0.0000	/4174
16.174	/0.000		0.0000	/1663
16.481	/0.000		0.0000	/86919
16.903	/0.000		0.0000	/47905
17.263	/0.000		0.0000	/4913
17.383	/0.000		0.0000	/6245
17.592	/0.000		0.0000	/18489
18.126	/0.000		0.0000	/59261
18.774	/0.000		0.0000	/2394
19.090	/0.000		0.0000	/1783
19.312	/0.000		0.0000	/10017
19.419	/0.000		0.0000	/7652
19.877	/19.887	Endosulfan sulfate	0.3366	/3733
20.534	/0.000		0.0000	/5413
21.957	/0.000		0.0000	/3657
22.988	/0.000		0.0000	/4224
25.037	/25.051	DCB 62%	4.1225	/61577

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,21,1

LCS 6/9/94 SOIL. Amount : 1.000.

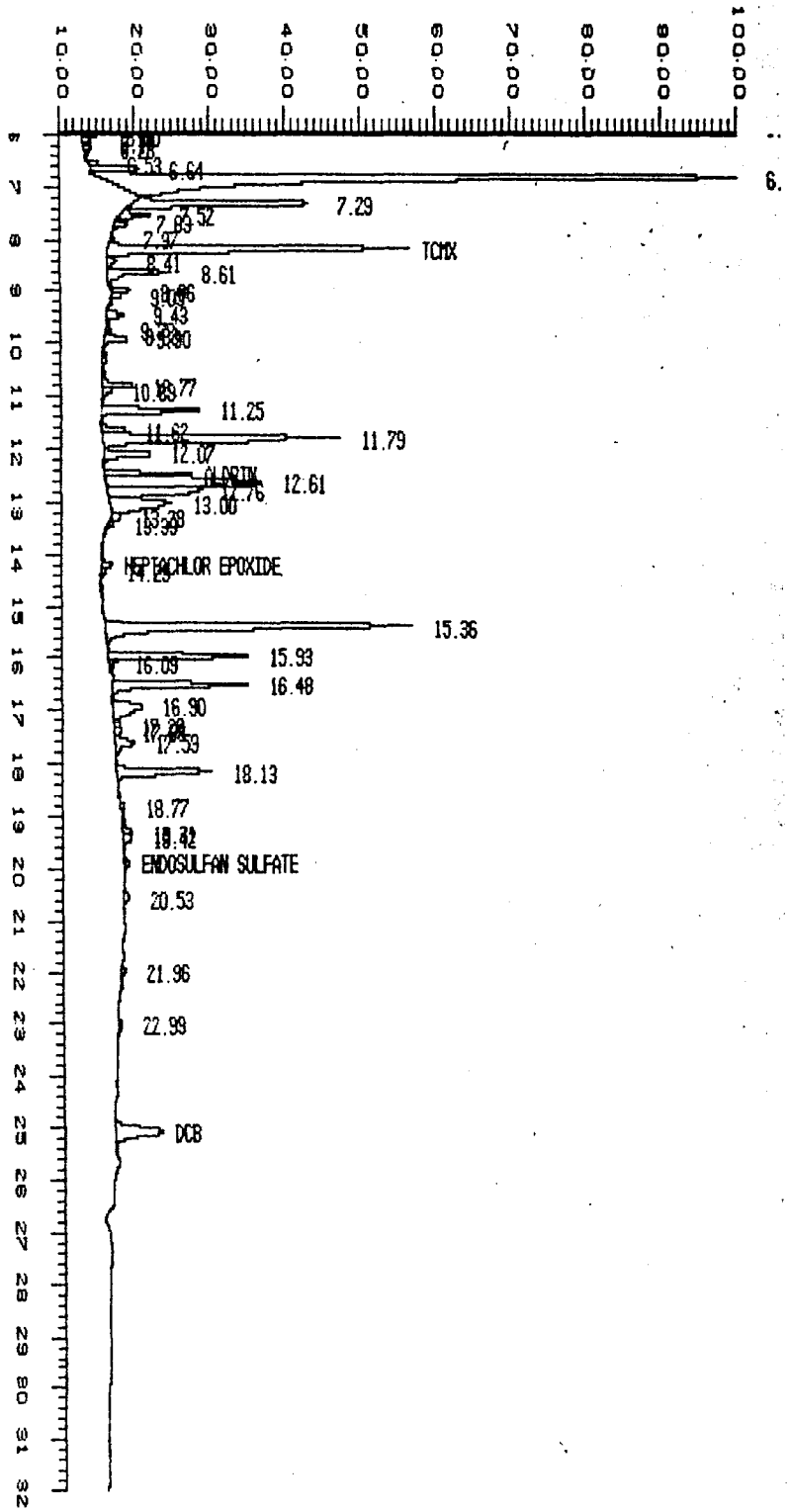
Acquired on 13-JUN-1994 at 10:39
Reported on 17-JUN-1994 at 14:42
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,21,1

LCS 6/9/94 SOIL. Amount : 1.000.

Acquired on 13-JUN-1994 at 11:19
Reported on 17-JUN-1994 at 14:42
Box 1 (of 1)



Reported on 14-JUN-1994 at 00:02
Modified on 13-JUN-1994 at 16:34

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : C_FOXHOVEN

Channel 025 Acquired on 13-JUN-1994 at 14:00
Channel 026 Acquired on 13-JUN-1994 at 14:40

Lims Id	: P60-0612	Lims Id	: P60-0612
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080	Comment	:
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: 25160 100X DIL.	Sample Name	: 25160 100X DIL.
Sample Id	: HPN 5039	Sample Id	: HPN 5039
Bottle No	: 23	Bottle No	: 23

needs RR

RT(real/expected)	Peak Name	Amount/Area	RT(real/expected)	Peak Name	Amount/Area
0.957 /0.000		0.0000 /13695	0.930 /0.000		0.0000 /8735
5.850 /0.000		0.0000 /140542	6.814 /0.000		0.0000 /182291
7.610 /0.000		0.0000 /13177	8.619 /0.000		0.0000 /3423
10.446 /0.000		0.0000 /4873	9.539 /0.000		0.0000 /3125
11.450 /0.000		0.0000 /9012	10.428 /0.000		0.0000 /5678
11.619 /0.000		0.0000 /4689	10.788 /0.000		0.0000 /1961
11.926 /0.000		0.0000 /8026	10.894 /0.000		0.0000 /2614
12.441 /0.000		0.0000 /7829	11.006 /0.000		0.0000 /3615
12.677 /0.000		0.0000 /68772	11.334 /0.000		0.0000 /5787
12.899 /0.000		0.0000 /36822	11.548 /0.000		0.0000 /49536
13.117 /0.000		0.0000 /37510	11.863 /0.000		0.0000 /27465
13.557 /0.000		0.0000 /21708	12.121 /0.000		0.0000 /26455
13.663 /0.000		0.0000 /21949	12.419 /0.000		0.0000 /51642
13.730 /0.000		0.0000 /27544	13.001 /0.000		0.0000 /56192
14.086 /0.000		0.0000 /56074	13.241 /0.000		0.0000 /69878
14.272 /0.000		0.0000 /18505	13.374 /0.000		0.0000 /39951
14.423 /0.000		0.0000 /65113	13.499 /0.000		0.0000 /11218
14.619 /0.000		0.0000 /28161	13.654 /0.000		0.0000 /31249
14.806 /0.000		0.0000 /12174	13.770 /0.000		0.0000 /183462
14.957 /0.000		0.0000 /9112	14.081 /0.000		0.0000 /741594
15.086 /0.000		0.0000 /232094	14.361 /0.000		0.0000 /40116
15.268 /0.000		0.0000 /1055484	14.494 /0.000		0.0000 /100637
15.503 /0.000		0.0000 /17257	14.672 /0.000		0.0000 /941615
15.734 /0.000		0.0000 /1243481	15.032 /0.000		0.0000 /18042
15.890 /0.000		0.0000 /194619	15.179 /0.000		0.0000 /169624
16.028 /0.000		0.0000 /130785	15.414 /0.000		0.0000 /204008
16.183 /0.000		0.0000 /3571	15.472 /0.000		0.0000 /183979
16.299 /0.000		0.0000 /20223	15.690 /0.000		0.0000 /496215
16.459 /0.000		0.0000 /140894	16.103 /0.000		0.0000 /393964
16.641 /0.000		0.0000 /324221	16.210 /0.000		0.0000 /72511
16.743 /0.000		0.0000 /220989	16.374 /0.000		0.0000 /745842

Reported on 14-JUN-1994 at 00:02
Modified on 13-JUN-1994 at 16:34

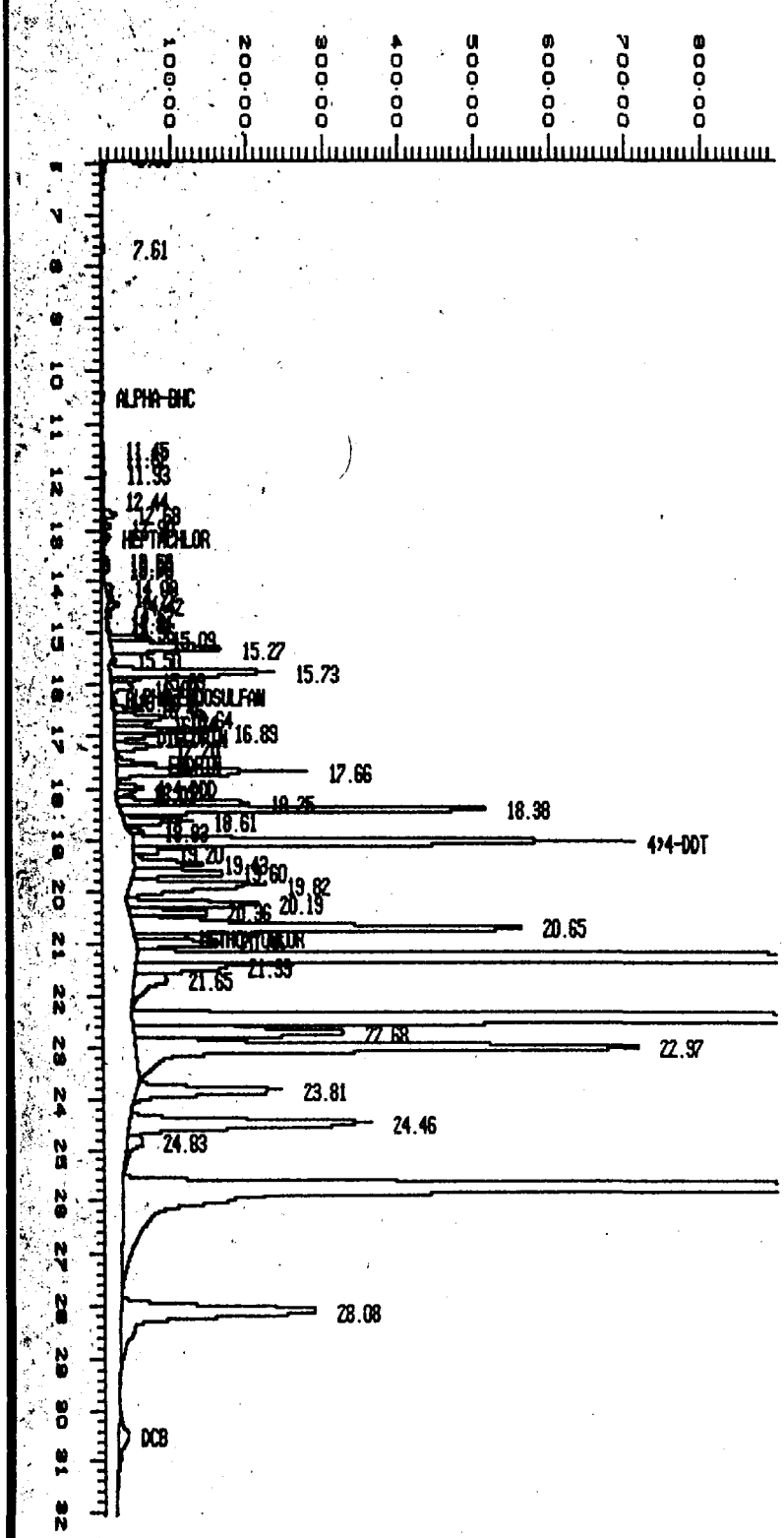
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
16.886	/0.000		0.0000	/613723	16.530	/0.000		0.0000	/63503
16.983	/0.000		0.0000	/171670	16.614	/0.000		0.0000	/74913
17.201	/0.000		0.0000	/255667	16.712	/16.727	PCB 1260-1	4.5813E+7	/606030
17.526	/17.539	PCB 1260-1	1.3251E+7	/270798	17.041	/0.000		0.0000	/108211
17.659	/0.000		0.0000	/1173760	17.183	/17.198	PCB 1260-2	2.5847E+7	/222274
17.961	/0.000		0.0000	/180945	17.299	/0.000		0.0000	/1371170
18.050	/0.000		0.0000	/82624	17.654	/0.000		0.0000	/2738557
18.250	/18.261	PCB 1260-2	3.2410E+7	/826799	17.881	/0.000		0.0000	/628109
18.383	/0.000		0.0000	/2353477	18.290	/0.000		0.0000	/139784
18.610	/0.000		0.0000	/417849	18.472	/0.000		0.0000	/295106
18.828	/0.000		0.0000	/90380	18.610	/18.615	PCB 1260-4	1.3408E+8	/1318887
19.019	/19.023	PCB 1260-3	1.5287E+8	/3669447	18.739	/0.000		0.0000	/440182
19.201	/0.000		0.0000	/165227	18.859	/0.000		0.0000	/541134
19.428	/19.441	PCB 1260-4	2.7938E+7	/439316	19.041	/0.000		0.0000	/40001
19.601	/0.000		0.0000	/559865	19.223	/0.000		0.0000	/2477618
19.823	/0.000		0.0000	/1443275	19.419	/19.431	PCB 1260-5	2.1822E+8	/7662557
20.192	/20.203	PCB 1260-5	6.4836E+7	/947270	20.157	/0.000		0.0000	/78936
20.357	/0.000		0.0000	/583319	20.321	/0.000		0.0000	/1128828
20.650	/0.000		0.0000	/3730725	20.490	/0.000		0.0000	/9517227
20.814	/0.000		0.0000	/372161	21.028	/0.000		0.0000	/52548
20.948	/0.000		0.0000	/680140	21.352	/0.000		0.0000	/90479
21.290	/0.000		0.0000	/8655330	21.850	/0.000		0.0000	/3506243
21.392	/0.000		0.0000	/899126	23.010	/0.000		0.0000	/9615480
21.654	/0.000		0.0000	/655944	24.268	/0.000		0.0000	/2280732
22.352	/0.000		0.0000	/1E+7	24.552	/0.000		0.0000	/107788
22.681	/0.000		0.0000	/2506132	25.028	/25.054	DCB	154969.2344	/65587
22.970	/0.000		0.0000	/5782353	26.197	/0.000		0.0000	/7852
23.814	/0.000		0.0000	/1644962	30.903	/0.000		0.0000	/18356
24.463	/0.000		0.0000	/3074684					
24.828	/0.000		0.0000	/322094					
25.783	/0.000		0.0000	/1E+7					
28.081	/0.000		0.0000	/3708388					
30.477	/30.522	DCB	616145.5000	/400585					

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,26,1

25160 100X DIL.. Amount : 1.000.

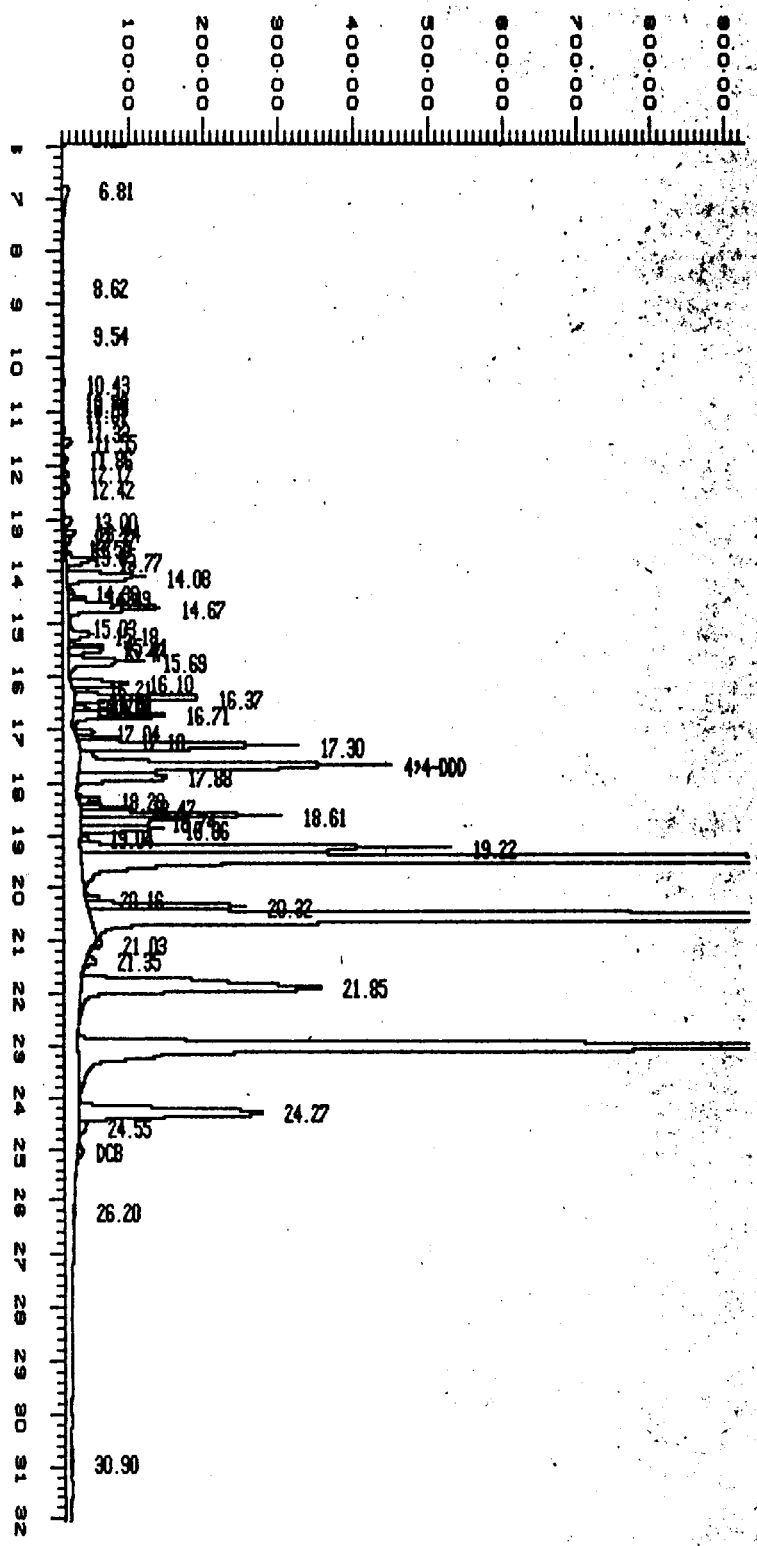
Acquired on 13-JUN-1994 at 14:00
Reported on 13-JUN-1994 at 23:43
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,26,1

25160 100X DIL.. Amount : 1.000.

Acquired on 13-JUN-1994 at 14:40
Reported on 13-JUN-1994 at 23:44
Box 1 (of 1)



Reported on 14-JUN-1994 at 00:02
Modified on 13-JUN-1994 at 16:34

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : C_FOXHOVEN

Channel 025 Acquired on 13-JUN-1994 at 14:40
Channel 026 Acquired on 13-JUN-1994 at 15:20

Lims Id : P60-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : 25161 200X DIL.
Sample Id : HPN 5039
Bottle No : 24

Lims Id : P60-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080 needs RR
Sample Name : 25161 200X DIL.
Sample Id : HPN 5039
Bottle No : 24

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
0.992	/0.000		0.0000	/11875	0.948	/0.000		0.0000	/7781
5.837	/0.000		0.0000	/8510	6.806	/0.000		0.0000	/22431
7.610	/0.000		0.0000	/6795	8.619	/0.000		0.0000	/1449
10.446	/0.000		0.0000	/3034	9.539	/0.000		0.0000	/1989
11.926	/0.000		0.0000	/5222	10.428	/0.000		0.0000	/3260
12.441	/0.000		0.0000	/5225	10.894	/0.000		0.0000	/1123
12.677	/0.000		0.0000	/45471	11.006	/0.000		0.0000	/1985
12.899	/0.000		0.0000	/24713	11.334	/0.000		0.0000	/3475
13.117	/0.000		0.0000	/25874	11.548	/0.000		0.0000	/31288
13.552	/0.000		0.0000	/6811	11.863	/0.000		0.0000	/17560
13.659	/0.000		0.0000	/1970	12.121	/0.000		0.0000	/16643
14.086	/0.000		0.0000	/35045	12.419	/0.000		0.0000	/32599
14.277	/0.000		0.0000	/11505	13.006	/0.000		0.0000	/36981
14.423	/0.000		0.0000	/39210	13.241	/0.000		0.0000	/44080
14.619	/0.000		0.0000	/18131	13.379	/0.000		0.0000	/24486
14.810	/0.000		0.0000	/7741	13.499	/0.000		0.0000	/7220
14.957	/0.000		0.0000	/6011	13.654	/0.000		0.0000	/18721
15.086	/0.000		0.0000	/142654	13.770	/0.000		0.0000	/112271
15.268	/0.000		0.0000	/662228	14.086	/0.000		0.0000	/445703
15.503	/0.000		0.0000	/10796	14.366	/0.000		0.0000	/23794
15.734	/0.000		0.0000	/738948	14.499	/0.000		0.0000	/59242
15.890	/0.000		0.0000	/90265	14.672	/0.000		0.0000	/562162
16.028	/0.000		0.0000	/45479	15.032	/0.000		0.0000	/10995
16.299	/0.000		0.0000	/12824	15.179	/0.000		0.0000	/102162
16.459	/0.000		0.0000	/87071	15.414	/0.000		0.0000	/117535
16.641	/0.000		0.0000	/191945	15.477	/0.000		0.0000	/112649
16.743	/0.000		0.0000	/138047	15.690	/0.000		0.0000	/295394
16.886	/0.000		0.0000	/376480	16.106	/0.000		0.0000	/232511
16.983	/0.000		0.0000	/99504	16.214	/0.000		0.0000	/42720
17.201	/0.000		0.0000	/156032	16.374	/0.000		0.0000	/429204
17.526	/17.539	PCB 1260-1	1.3885E+7	/165384	16.530	/0.000		0.0000	/37784

[illegible]
Reported on [illegible]
Modified on 12-JUN-1994 at [illegible]

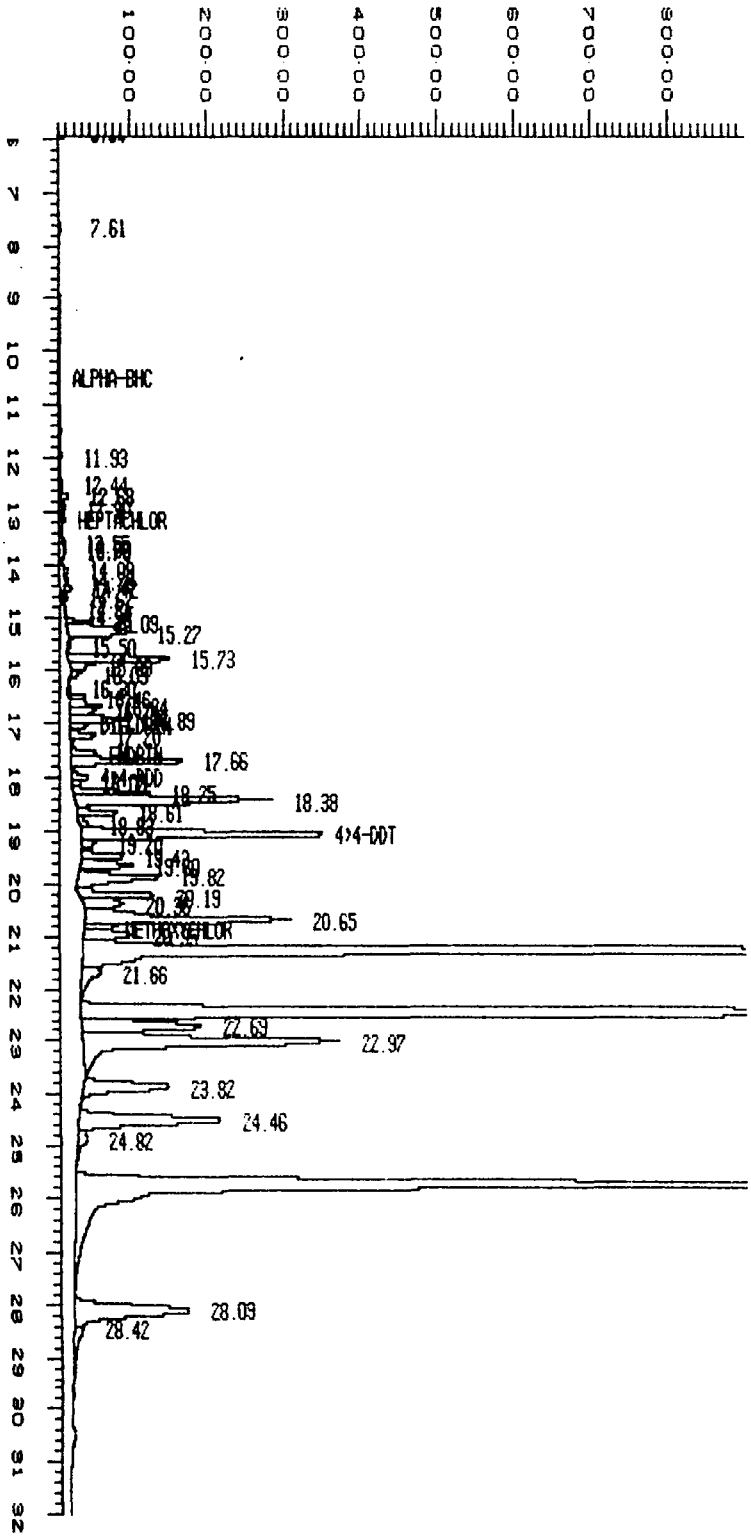
R/(real/expected)		Peak Name	Amount/Area		R/(real/expected)		Peak Name	Amount/Area	
17.659	/0.000		0.0000	/[illegible]8719	16.7[illegible]	16.7[illegible]	PCB 1[illegible]-1	5.71[illegible]E+7	/[illegible]95064
17.961	/0.000		0.0000	/106857	17.04[illegible]	/0.000		0.0000	/62473
18.050	/0.000		0.0000	/50302	17.1[illegible]	/17.198	PCB 12[illegible]	2.7[illegible]E+7	/129904
18.250	/18.261	PCB 1260-2	2.4947E+7	/489629	17.[illegible]	/0.000		0.0000	/766441
18.583	/0.000		0.0000	/1285075	17.659	/0.000		0.0000	/1516811
18.610	/0.000		0.0000	/228075	17.8[illegible]	/0.000		0.0000	/359523
18.828	/0.000		0.0000	/54577	18.[illegible]	/0.000		0.0000	/79457
19.019	/19.023	PCB 1[illegible]	1.5[illegible]E+8	/1921[illegible]	18.477	/0.000		0.0000	/164441
19.201	/0.000		0.0000	/97771	18.610	/18.6[illegible]	PCB 1260-[illegible]	1.4555E+8	/735565
19.428	/19.441	PCB 1260-4	2.[illegible]E+7	/355570	18.739	/0.000		0.0000	/261101
19.601	/0.000		0.0000	/327[illegible]	18.[illegible]	/0.000		0.0000	/305567
19.823	/0.000		0.0000	/[illegible]0407	19.046	/0.000		0.0000	/22024
20.188	/20.[illegible]	PCB 1260-5	6.8102E+7	/519247	19.223	/0.000		0.0000	/1386652
20.357	/0.000		0.0000	/2[illegible]544	19.428	/19.431	PCB 1260-5	5.2661E+8	/5753722
20.650	/0.000		0.0000	/1958209	20.161	/0.000		0.0000	/42696
20.814	/0.000		0.0000	/196963	20.321	/0.000		0.0000	/631845
20.952	/0.000		0.0000	/332727	20.521	/0.000		0.0000	/7404509
21.268	/0.000		0.0000	/7635[illegible]	21.022	/0.000		0.0000	/30297
21.659	/0.000		0.0000	/[illegible]	21.357	/0.000		0.0000	/48663
22.388	/0.000		0.0000	/8[illegible]151	21.[illegible]	/0.000		0.0000	/1992[illegible]
22.685	/0.000		0.0000	/142195[illegible]	22.9[illegible]	/0.000		0.0000	/5744489
22.970	/0.000		0.0000	/3147530	24.272	/0.000		0.0000	/1311184
23.819	/0.000		0.0000	/972720	24.557	/0.000		0.0000	/149715
24.463	/0.000		0.0000	/1788150					
24.823	/0.000		0.0000	/186652					
25.726	/0.000		0.0000	/9848749					
28.086	/0.000		0.0000	/1946630					
28.423	/0.000		0.0000	/2[illegible]					

Huntingdon VAX Multichrom V2.0

[DEEPROJECT] 25 JUN1294,27,1

25161 200X DIL.. Amount : 1.000.

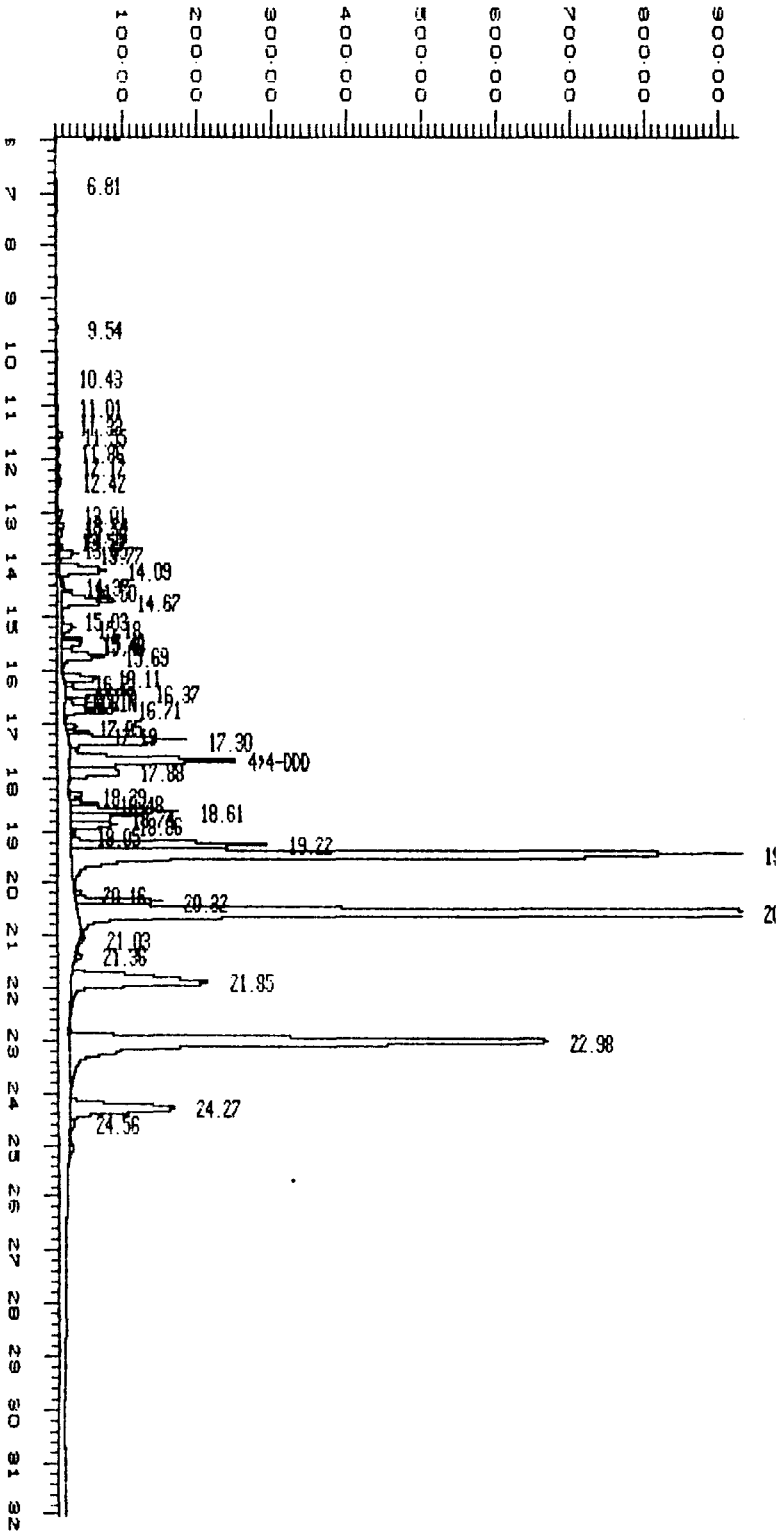
Acquired on 13-JUN-1994 at 14:40
Reported on 13-JUN-1994 at 23:44
Box 1 (of 1)



[DEEPROJECT] 26 JUN1294,27,1

25161 200X DIL.. Amount : 1.000.

Acquired on 13-JUN-1994 at 15:20
Reported on 13-JUN-1994 at 23:44
Box 1 (of 1)



Reported on 14-JUN-1994 at 00:02
Modified on 13-JUN-1994 at 16:34

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : C_FOXHOVEN

Channel 025 Acquired on 13-JUN-1994 at 15:20
Channel 026 Acquired on 13-JUN-1994 at 16:00

needs RR

Lims Id : P60-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : 25162 200X DIL.
Sample Id : HPN 5039
Bottle No : 25

Lims Id : P60-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : 25162 200X DIL.
Sample Id : HPN 5039
Bottle No : 25

RT(real/expected)	Peak Name	Amount/Area	RT(real/expected)	Peak Name	Amount/Area
0.992 /0.000		0.0000 /11514	9.543 /0.000		0.0000 /1896
7.610 /0.000		0.0000 /4450	10.437 /0.000		0.0000 /3451
10.446 /0.000		0.0000 /2993	10.797 /0.000		0.0000 /1180
11.450 /0.000		0.0000 /5976	10.903 /0.000		0.0000 /1601
11.619 /0.000		0.0000 /2903	11.010 /0.000		0.0000 /2155
11.930 /0.000		0.0000 /5175	11.343 /0.000		0.0000 /3312
12.441 /0.000		0.0000 /4760	11.552 /0.000		0.0000 /29652
12.677 /0.000		0.0000 /42178	11.872 /0.000		0.0000 /16518
12.899 /0.000		0.0000 /20414	12.130 /0.000		0.0000 /15859
13.117 /0.000		0.0000 /21840	12.428 /0.000		0.0000 /32024
13.557 /0.000		0.0000 /6922	13.010 /0.000		0.0000 /34332
13.659 /0.000		0.0000 /2054	13.250 /0.000		0.0000 /40799
14.086 /0.000		0.0000 /32870	13.388 /0.000		0.0000 /23364
14.277 /0.000		0.0000 /11155	13.506 /0.000		0.0000 /6894
14.428 /0.000		0.0000 /38317	13.663 /0.000		0.0000 /18661
14.619 /0.000		0.0000 /17363	13.779 /0.000		0.0000 /111287
14.810 /0.000		0.0000 /7714	14.090 /0.000		0.0000 /438143
14.961 /0.000		0.0000 /5855	14.370 /0.000		0.0000 /31812
15.086 /0.000		0.0000 /139012	14.503 /0.000		0.0000 /63932
15.272 /0.000		0.0000 /632349	14.681 /0.000		0.0000 /538850
15.503 /0.000		0.0000 /9438	15.041 /0.000		0.0000 /13119
15.739 /0.000		0.0000 /724815	15.183 /0.000		0.0000 /98777
15.894 /0.000		0.0000 /121295	15.423 /0.000		0.0000 /112239
16.028 /0.000		0.0000 /81279	15.481 /0.000		0.0000 /102717
16.183 /0.000		0.0000 /2094	15.699 /0.000		0.0000 /275327
16.299 /0.000		0.0000 /12337	16.112 /0.000		0.0000 /213107
16.463 /0.000		0.0000 /82667	16.219 /0.000		0.0000 /40797
16.641 /0.000		0.0000 /167555	16.383 /0.000		0.0000 /395133
16.743 /0.000		0.0000 /95183	16.534 /0.000		0.0000 /35035
16.890 /0.000		0.0000 /310613	16.721 /16.727	PCB 1260-1	5.2094E+7 /364273
16.988 /0.000		0.0000 /82432	17.050 /0.000		0.0000 /58413

Reported on 14-JUN-1994 at 00:02
Modified on 13-JUN-1994 at 16:34

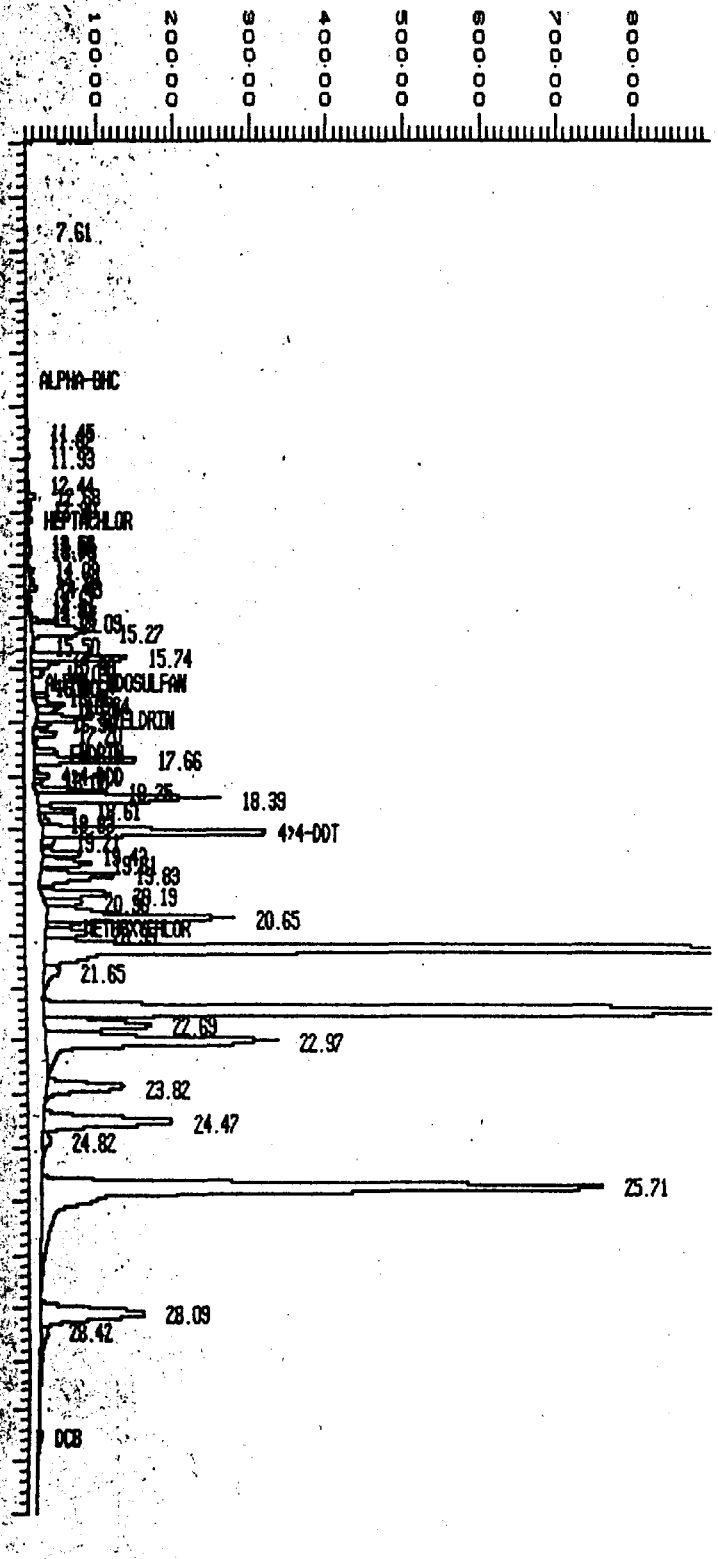
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
17.201	/0.000		0.0000	/146867	17.192	/17.198	PCB 1260-2	2.4269E+7	/117215
17.526	/17.539	PCB 1260-1	1.3249E+7	/159108	17.308	/0.000		0.0000	/698252
17.663	/0.000		0.0000	/644918	17.499	/0.000		0.0000	/29394
17.961	/0.000		0.0000	/100894	17.663	/0.000		0.0000	/1352900
18.054	/0.000		0.0000	/49564	17.886	/0.000		0.0000	/324284
18.250	/18.261	PCB 1260-2	3.1898E+7	/455218	18.299	/0.000		0.0000	/71929
18.388	/0.000		0.0000	/1200453	18.481	/0.000		0.0000	/149688
18.614	/0.000		0.0000	/213803	18.614	/18.615	PCB 1260-4	1.3134E+8	/667937
18.828	/0.000		0.0000	/53446	18.743	/0.000		0.0000	/236927
19.019	/19.023	PCB 1260-3	1.4384E+8	/1774104	18.868	/0.000		0.0000	/278084
19.206	/0.000		0.0000	/89405	19.050	/0.000		0.0000	/20253
19.428	/19.441	PCB 1260-4	2.6302E+7	/239818	19.228	/0.000		0.0000	/1229917
19.606	/0.000		0.0000	/304915	19.432	/19.431	PCB 1260-5	2.9683E+8	/5236297
19.828	/0.000		0.0000	/789607	20.166	/0.000		0.0000	/42916
20.192	/20.203	PCB 1260-5	6.3063E+7	/484212	20.326	/0.000		0.0000	/586312
20.357	/0.000		0.0000	/249592	20.539	/0.000		0.0000	/6874194
20.654	/0.000		0.0000	/1805959	21.037	/0.000		0.0000	/27556
20.814	/0.000		0.0000	/178866	21.361	/0.000		0.0000	/45511
20.952	/0.000		0.0000	/354160	21.854	/0.000		0.0000	/1785891
21.268	/0.000		0.0000	/7232226	22.983	/0.000		0.0000	/5062579
21.654	/0.000		0.0000	/279933	24.272	/0.000		0.0000	/1182315
22.397	/0.000		0.0000	/8027925	24.561	/0.000		0.0000	/113123
22.686	/0.000		0.0000	/1244703	26.206	/0.000		0.0000	/4701
22.970	/0.000		0.0000	/2778446					
23.823	/0.000		0.0000	/890417					
24.468	/0.000		0.0000	/1632772					
24.823	/0.000		0.0000	/152263					
25.712	/0.000		0.0000	/8459482					
28.086	/0.000		0.0000	/1760049					
28.423	/0.000		0.0000	/239747					
30.472	/30.522	DCB	213939.8594/69493						

Huntingdon VAX Multichrom V2.0

[DEEPROJECT] 25 JUN1294,28,1

25162 200X DIL.. Amount : 1.000.

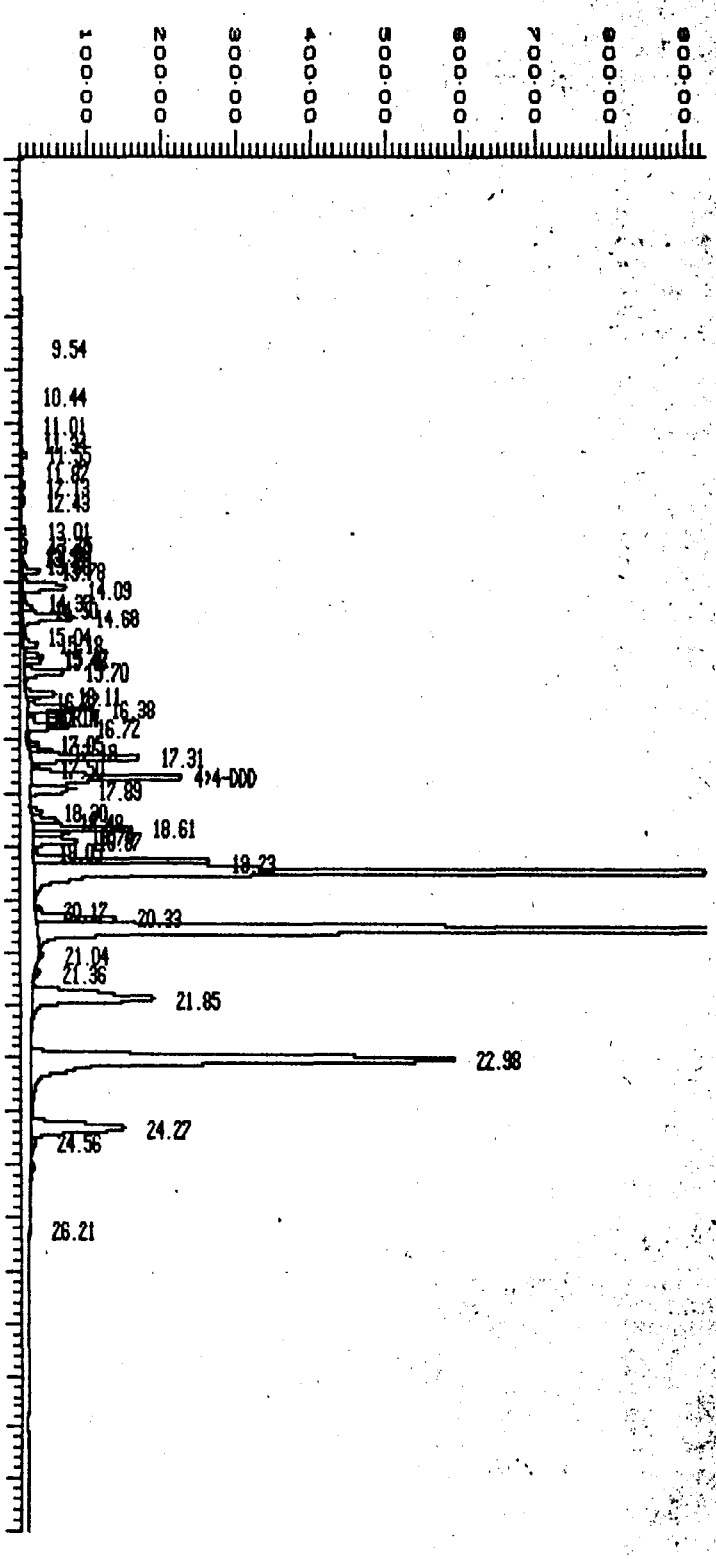
Acquired on 13-JUN-1994 at 15:20
Reported on 13-JUN-1994 at 23:44
Box 1 (of 1)



[DEEPROJECT] 26 JUN1294,28,1

25162 200X DIL.. Amount : 1.000.

Acquired on 13-JUN-1994 at 16:00
Reported on 13-JUN-1994 at 23:44
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 16:00
Channel 026 Acquired on 13-JUN-1994 at 16:40

Lims Id : PA-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : MS SOIL (25147) 6/9/94
Sample Id : MS SOIL
Bottle No : 26

Lims Id : PA-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : MS SOIL (25147) 6/9/94
Sample Id : MS SOIL
Bottle No : 26

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
5.823	/0.000		0.0000	/22044	1.188	/0.000		0.0000	/1371
7.610	/0.000		0.0000	/25577	6.774	/0.000		0.0000	/17120
14.139	/0.000		0.0000	/6799	8.614	/0.000		0.0000	/11754
14.921	/0.000		0.0000	/66675	13.081	/0.000		0.0000	/1594
15.219	/0.000		0.0000	/11544	13.846	/0.000		0.0000	/3293
15.734	/0.000		0.0000	/4884	14.028	/0.000		0.0000	/6165
15.899	/0.000		0.0000	/10718	14.494	/0.000		0.0000	/2318
16.032	/0.000		0.0000	/4642	14.703	/0.000		0.0000	/1012
16.463	/0.000		0.0000	/4907	15.183	/0.000		0.0000	/5594
16.646	/0.000		0.0000	/11996	15.419	/0.000		0.0000	/16563
16.748	/0.000		0.0000	/3677	15.694	/0.000		0.0000	/31999
16.894	/16.938	Dieldrin	86924.0859	/36337	15.841	/0.000		0.0000	/3413
17.201	/0.000		0.0000	/5855	16.099	/0.000		0.0000	/18205
17.361	/0.000		0.0000	/25360	16.219	/0.000		0.0000	/5352
17.530	/17.550	Endrin	66759.0078	/21108	16.379	/0.000		0.0000	/67840
17.668	/0.000		0.0000	/92125	16.588	/0.000		0.0000	/39854
17.966	/17.900	4,4-DDD	19007.9980	/5316	16.712	/0.000		0.0000	/58756
18.063	/0.000		0.0000	/7432	17.046	/0.000		0.0000	/18208
18.254	/0.000		0.0000	/59004	17.192	/0.000		0.0000	/19974
18.392	/0.000		0.0000	/129980	17.308	/0.000		0.0000	/95623
18.619	/0.000		0.0000	/23629	17.490	/0.000		0.0000	/10693
18.783	/0.000		0.0000	/15408	17.663	/17.682	4,4-DDD	1.2092E+6	/207600
19.023	/18.992	4,4-DDT	698351.8125	/251154	17.903	/0.000		0.0000	/32400
19.214	/0.000		0.0000	/22556	18.486	/0.000		0.0000	/21266
19.432	/0.000		0.0000	/7613	18.623	/0.000		0.0000	/112110
19.606	/0.000		0.0000	/7337	18.863	/0.000		0.0000	/17233
19.828	/0.000		0.0000	/136815	19.041	/0.000		0.0000	/4621
20.197	/0.000		0.0000	/19931	19.237	/0.000		0.0000	/151953
20.361	/0.000		0.0000	/10822	19.423	/0.000		0.0000	/169948
20.663	/0.000		0.0000	/182002	20.321	/0.000		0.0000	/7332
20.828	/20.759	Methoxychlor	368719.8125	/52851	20.539	/0.000		0.0000	/159410
21.228	/0.000		0.0000	/140718	21.766	/0.000		0.0000	/21090

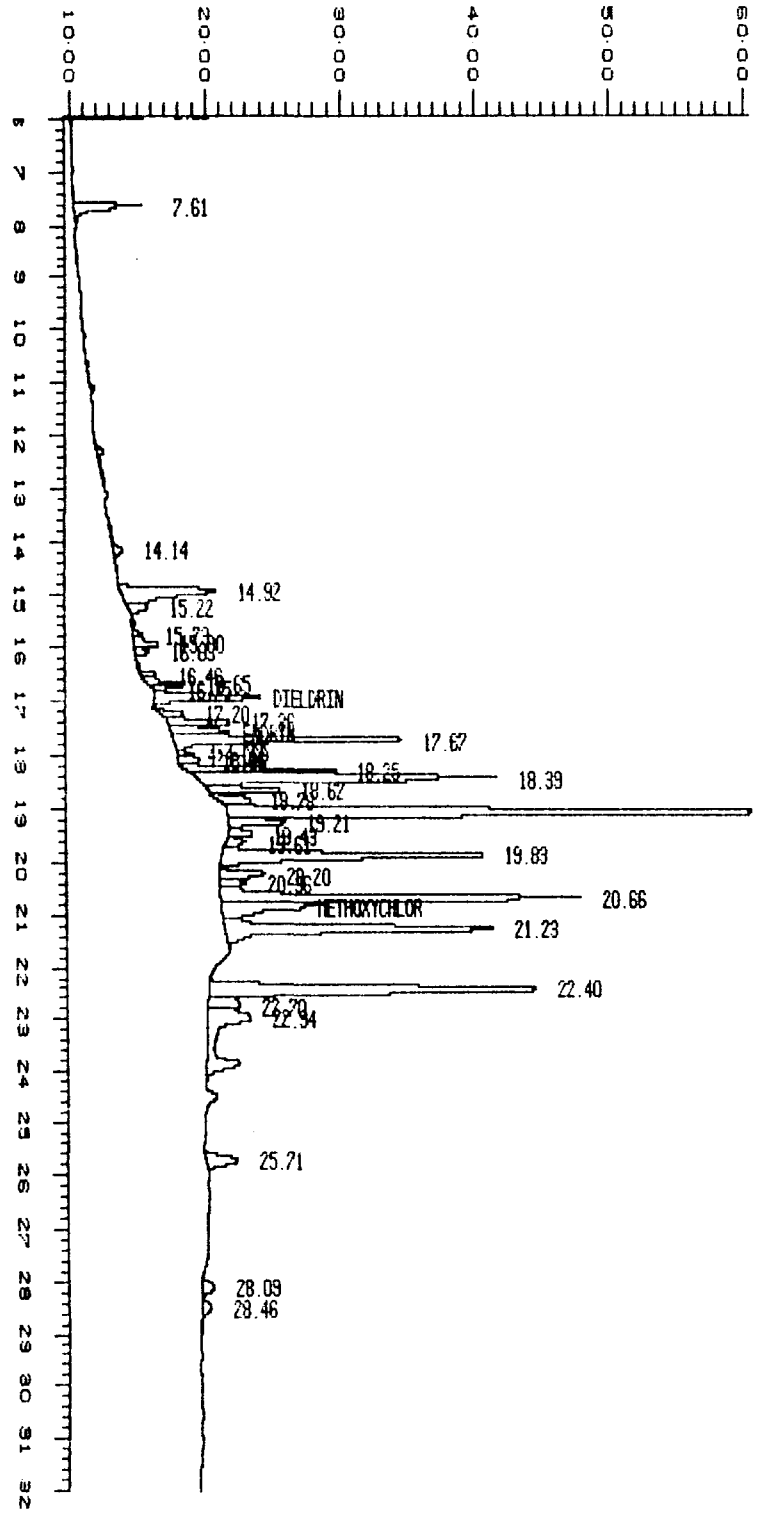
RT(real/expected)	Peak Name	Amount/Area		RT(real/expected)	Peak Name	Amount/Area	
22.397 /0.000		0.0000	/202099	22.983 /0.000		0.0000	/21757
22.703 /0.000		0.0000	/25085	24.272 /0.000		0.0000	/9987
22.943 /0.000		0.0000	/88852	24.574 /0.000		0.0000	/4777
25.712 /0.000		0.0000	/22072				
28.086 /0.000		0.0000	/9335				
28.459 /0.000		0.0000	/7867				

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,29,1

MS SOIL (25147) 6/9/94. Amount : 1.000.

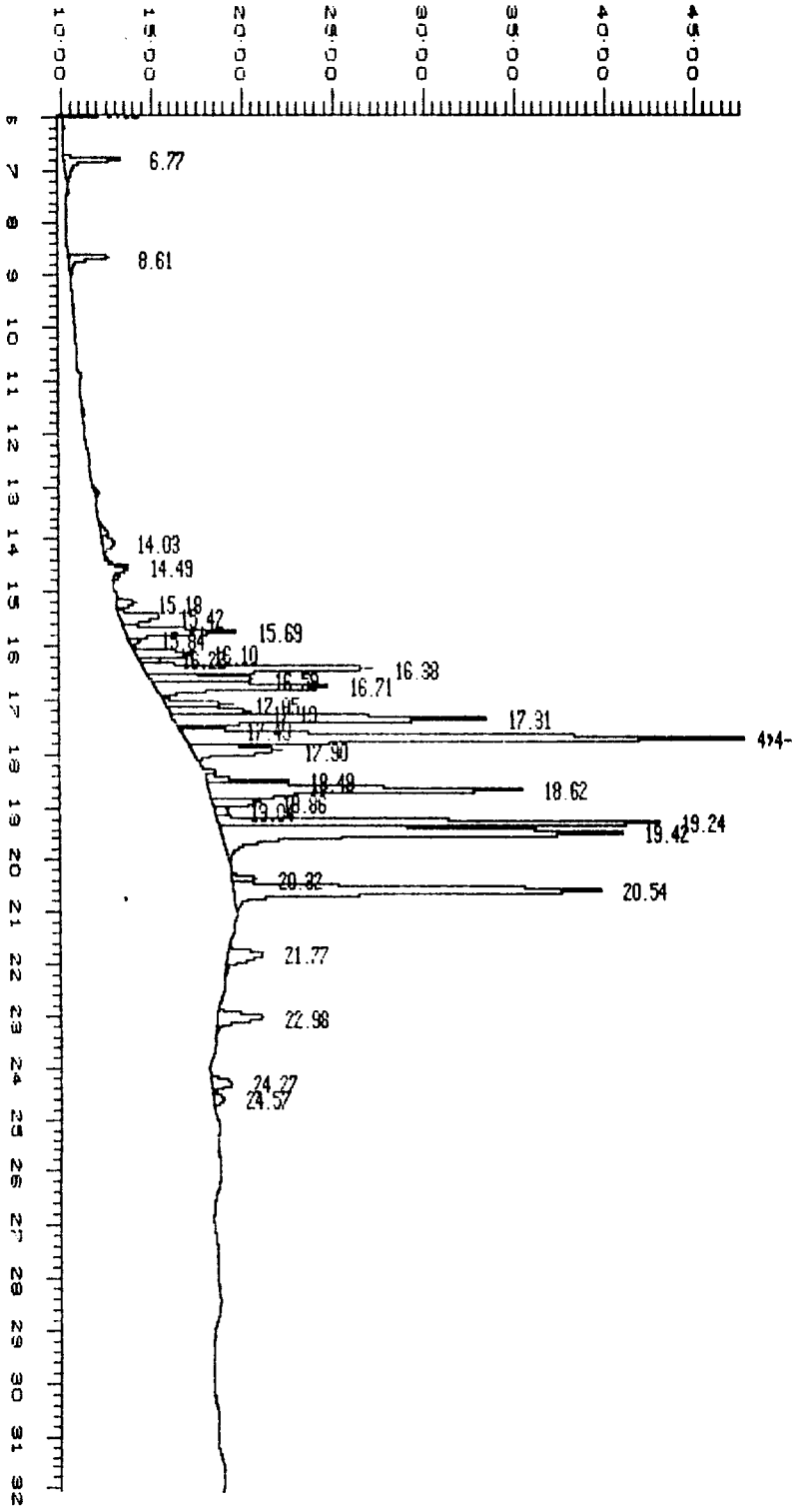
Acquired on 13-JUN-1994 at 16:00
Reported on 13-JUN-1994 at 23:44
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,29,1

MS SOIL (25147) 6/9/94. Amount : 1.000.

Acquired on 13-JUN-1994 at 16:40
Reported on 13-JUN-1994 at 23:44
Box 1 (of 1)



Reported on 13-JUN-1994 at 23:47
Modified on 13-JUN-1994 at 16:34

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : C_FOXHOVEN

Channel 025 Acquired on 13-JUN-1994 at 16:00
Channel 026 Acquired on 13-JUN-1994 at 16:40

Lims Id	: PB-0612	Lims Id	: PB-0612
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846	Comment	: HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: MS SOIL (25147) 6/9/94	Sample Name	: MS SOIL (25147) 6/9/94
Sample Id	: MS SOIL	Sample Id	: MS SOIL
Bottle No	: 26	Bottle No	: 26

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
5.823	/0.000		0.0000	/22044	1.108	/0.000		0.0000	/1371
7.610	/0.000		0.0000	/25577	6.774	/0.000		0.0000	/17120
14.139	/0.000		0.0000	/6799	8.614	/0.000		0.0000	/11754
14.921	/0.000		0.0000	/66675	13.081	/0.000		0.0000	/1594
15.219	/0.000		0.0000	/11544	13.846	/0.000		0.0000	/3293
15.734	/15.779	gamma-Chlordane	9529.1426	/4884	14.028	/0.000		0.0000	/6165
15.899	/0.000		0.0000	/10718	14.494	/0.000		0.0000	/2318
16.032	/0.000		0.0000	/4642	14.703	/0.000		0.0000	/1012
16.463	/0.000		0.0000	/4907	15.103	/15.237	alpha-chlordane	19761.3362	/5594
16.646	/16.684	4,4-DDE	28503.1621	/11996	15.419	/0.000		0.0000	/16563
16.748	/0.000		0.0000	/3677	15.694	/0.000		0.0000	/31999
16.894	/0.000		0.0000	/36337	15.841	/0.000		0.0000	/3413
17.201	/0.000		0.0000	/5855	16.079	/0.000		0.0000	/18205
17.361	/0.000		0.0000	/25360	16.219	/0.000		0.0000	/5352
17.530	/0.000		0.0000	/21108	16.379	/0.000		0.0000	/67840
17.668	/0.000		0.0000	/92125	16.588	/0.000		0.0000	/39854
17.966	/0.000		0.0000	/5316	16.712	/0.000		0.0000	/58756
18.063	/0.000		0.0000	/7432	17.046	/0.000		0.0000	/18208
18.254	/18.248	Endrin aldehyde	302116.5938	/59004	17.192	/0.000		0.0000	/19974
18.392	/0.000		0.0000	/129980	17.308	/0.000		0.0000	/95623
18.619	/0.000		0.0000	/23629	17.490	/0.000		0.0000	/10693
18.783	/0.000		0.0000	/15488	17.663	/0.000		0.0000	/207600
19.023	/0.000		0.0000	/251154	17.903	/0.000		0.0000	/32400
19.214	/0.000		0.0000	/22556	18.486	/0.000		0.0000	/21266
19.432	/0.000		0.0000	/7613	18.623	/0.000		0.0000	/112110
19.606	/0.000		0.0000	/7337	18.863	/0.000		0.0000	/17233
19.828	/0.000		0.0000	/136815	19.041	/0.000		0.0000	/4621
20.197	/0.000		0.0000	/19931	19.237	/0.000		0.0000	/151953
20.361	/0.000		0.0000	/10822	19.423	/0.000		0.0000	/169948
20.663	/0.000		0.0000	/182002	20.321	/0.000		0.0000	/7332
20.828	/0.000		0.0000	/52851	20.539	/0.000		0.0000	/159410

RT(real/expected)	Peak Name	Amount/Area		RT(real/expected)	Peak Name	Amount/Area	
21.228 /0.000		0.0000	/140718	21.766 /0.000		0.0000	/21090
22.397 /0.000		0.0000	/202099	22.983 /0.000		0.0000	/21757
22.703 /0.000		0.0000	/25085	24.272 /0.000		0.0000	/9987
22.943 /0.000		0.0000	/88852	24.574 /0.000		0.0000	/4777
25.712 /0.000		0.0000	/22072				
28.086 /0.000		0.0000	/9335				
28.459 /0.000		0.0000	/7867				

Reported on 14-JUN-1994 at 00:02
Modified on 13-JUN-1994 at 16:34

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : C_FOXHOVEN

Channel 025 Acquired on 13-JUN-1994 at 16:00
Channel 026 Acquired on 13-JUN-1994 at 16:40

Lims Id : P60-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : MS SOIL (25147) 6/9/94
Sample Id : MS SOIL
Bottle No : 26

Lims Id : P60-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : MS SOIL (25147) 6/9/94
Sample Id : MS SOIL
Bottle No : 26

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
5.823	/0.000		0.0000	/22044	1.188	/0.000		0.0000	/1371
7.610	/0.000		0.0000	/25577	6.774	/0.000		0.0000	/17120
14.139	/0.000		0.0000	/6799	8.614	/0.000		0.0000	/11754
14.921	/0.000		0.0000	/66675	13.081	/0.000		0.0000	/1594
15.219	/0.000		0.0000	/11544	13.846	/0.000		0.0000	/3293
15.734	/0.000		0.0000	/4884	14.028	/0.000		0.0000	/6165
15.899	/0.000		0.0000	/10718	14.494	/0.000		0.0000	/2318
16.032	/0.000		0.0000	/4642	14.703	/0.000		0.0000	/1012
16.463	/0.000		0.0000	/4907	15.183	/0.000		0.0000	/5594
16.646	/0.000		0.0000	/11996	15.419	/0.000		0.0000	/16563
16.748	/0.000		0.0000	/3677	15.694	/0.000		0.0000	/31999
16.894	/0.000		0.0000	/36337	15.841	/0.000		0.0000	/3413
17.201	/0.000		0.0000	/5855	16.099	/0.000		0.0000	/18205
17.361	/0.000		0.0000	/25360	16.219	/0.000		0.0000	/5352
17.530	/17.539	PCB 1260-1	1.5275E+6	/21108	16.379	/0.000		0.0000	/67840
17.668	/0.000		0.0000	/92125	16.588	/0.000		0.0000	/39854
17.966	/0.000		0.0000	/5316	16.712	/16.727	PCB 1260-1	5.8567E+6	/58756
18.063	/0.000		0.0000	/7432	17.046	/0.000		0.0000	/18208
18.254	/18.261	PCB 1260-2	2.9282E+6	/59004	17.192	/17.198	PCB 1260-2	3.2928E+6	/19974
18.392	/0.000		0.0000	/129980	17.308	/0.000		0.0000	/95623
18.619	/0.000		0.0000	/23629	17.490	/0.000		0.0000	/10693
18.783	/0.000		0.0000	/15488	17.663	/0.000		0.0000	/207600
19.023	/19.023	PCB 1260-3	1.4352E+7	/251154	17.903	/0.000		0.0000	/32400
19.214	/0.000		0.0000	/22556	18.486	/0.000		0.0000	/21266
19.432	/19.441	PCB 1260-4	589074.8125	/7613	18.623	/18.615	PCB 1260-4	1.5053E+7	/112110
19.606	/0.000		0.0000	/7337	18.863	/0.000		0.0000	/17233
19.828	/0.000		0.0000	/136815	19.041	/0.000		0.0000	/4621
20.197	/20.203	PCB 1260-5	1.7556E+6	/19931	19.237	/0.000		0.0000	/151953
20.361	/0.000		0.0000	/10822	19.423	/19.431	PCB 1260-5	7.1468E+6	/169948
20.663	/0.000		0.0000	/182002	20.321	/0.000		0.0000	/7332
20.828	/0.000		0.0000	/52851	20.539	/0.000		0.0000	/159410

Reported on 14-JUN-1994 at 00:02
Modified on 13-JUN-1994 at 16:34

RT(real/expected)	Peak Name	Amount/Area		RT(real/expected)	Peak Name	Amount/Area	
21.228 /0.000		0.0000	/140718	21.766 /0.000		0.0000	/21090
22.397 /0.000		0.0000	/202099	22.983 /0.000		0.0000	/21757
22.703 /0.000		0.0000	/25085	24.272 /0.000		0.0000	/9987
22.943 /0.000		0.0000	/88852	24.574 /0.000		0.0000	/4777
25.712 /0.000		0.0000	/22072				
28.086 /0.000		0.0000	/9335				
28.459 /0.000		0.0000	/7867				

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 16:40
Channel 026 Acquired on 13-JUN-1994 at 17:20

Lims Id : PA-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : MSD SOIL (25147) 6/9/94
Sample Id : MSD SOIL
Bottle No : 43

Lims Id : PA-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : MSD SOIL (25147) 6/9/94
Sample Id : MSD SOIL
Bottle No : 43

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
5.823	/0.000		0.0000	/15894	6.774	/0.000		0.0000	/8818
7.610	/0.000		0.0000	/34159	8.614	/0.000		0.0000	/13064
12.254	/0.000		0.0000	/4311	10.890	/0.000		0.0000	/1332
14.139	/0.000		0.0000	/4678	13.846	/0.000		0.0000	/4498
14.917	/0.000		0.0000	/101853	14.032	/0.000		0.0000	/5398
15.206	/0.000		0.0000	/17905	14.503	/0.000		0.0000	/6731
15.734	/0.000		0.0000	/2860	14.703	/0.000		0.0000	/1888
15.899	/0.000		0.0000	/7411	15.188	/0.000		0.0000	/4180
16.028	/0.000		0.0000	/3080	15.423	/0.000		0.0000	/10748
16.463	/0.000		0.0000	/3469	15.699	/0.000		0.0000	/19642
16.641	/0.000		0.0000	/10306	16.103	/0.000		0.0000	/12961
16.748	/0.000		0.0000	/5774	16.223	/0.000		0.0000	/3374
16.890	/16.938	Dieldrin	78135.6406	/32614	16.388	/0.000		0.0000	/49541
17.201	/0.000		0.0000	/4241	16.588	/0.000		0.0000	/53130
17.361	/0.000		0.0000	/32824	16.717	/0.000		0.0000	/56036
17.526	/17.550	Endrin	51110.0898	/16087	17.050	/0.000		0.0000	/19278
17.668	/0.000		0.0000	/64157	17.192	/0.000		0.0000	/18288
17.966	/17.900	4,4-DDD	15245.0566	/4261	17.312	/0.000		0.0000	/75579
18.059	/0.000		0.0000	/5852	17.494	/0.000		0.0000	/11353
18.254	/0.000		0.0000	/43472	17.668	/17.682	4,4-DDD	974510.1875	/162999
18.392	/0.000		0.0000	/93265	17.908	/0.000		0.0000	/35641
18.614	/0.000		0.0000	/17269	18.299	/0.000		0.0000	/19875
18.783	/0.000		0.0000	/10925	18.490	/0.000		0.0000	/23219
19.023	/18.992	4,4-DDT	518097.6875	/181763	18.628	/0.000		0.0000	/93310
19.214	/0.000		0.0000	/16279	18.868	/0.000		0.0000	/21785
19.428	/0.000		0.0000	/5722	19.037	/0.000		0.0000	/9297
19.601	/0.000		0.0000	/5475	19.237	/0.000		0.0000	/127480
19.828	/0.000		0.0000	/100282	19.428	/0.000		0.0000	/146071
20.197	/0.000		0.0000	/14222	20.326	/0.000		0.0000	/4824
20.659	/0.000		0.0000	/145529	20.543	/0.000		0.0000	/119288
20.823	/20.759	Methoxychlor	334972.4063	/47951	21.766	/0.000		0.0000	/17649
21.228	/0.000		0.0000	/130971	22.988	/0.000		0.0000	/15109

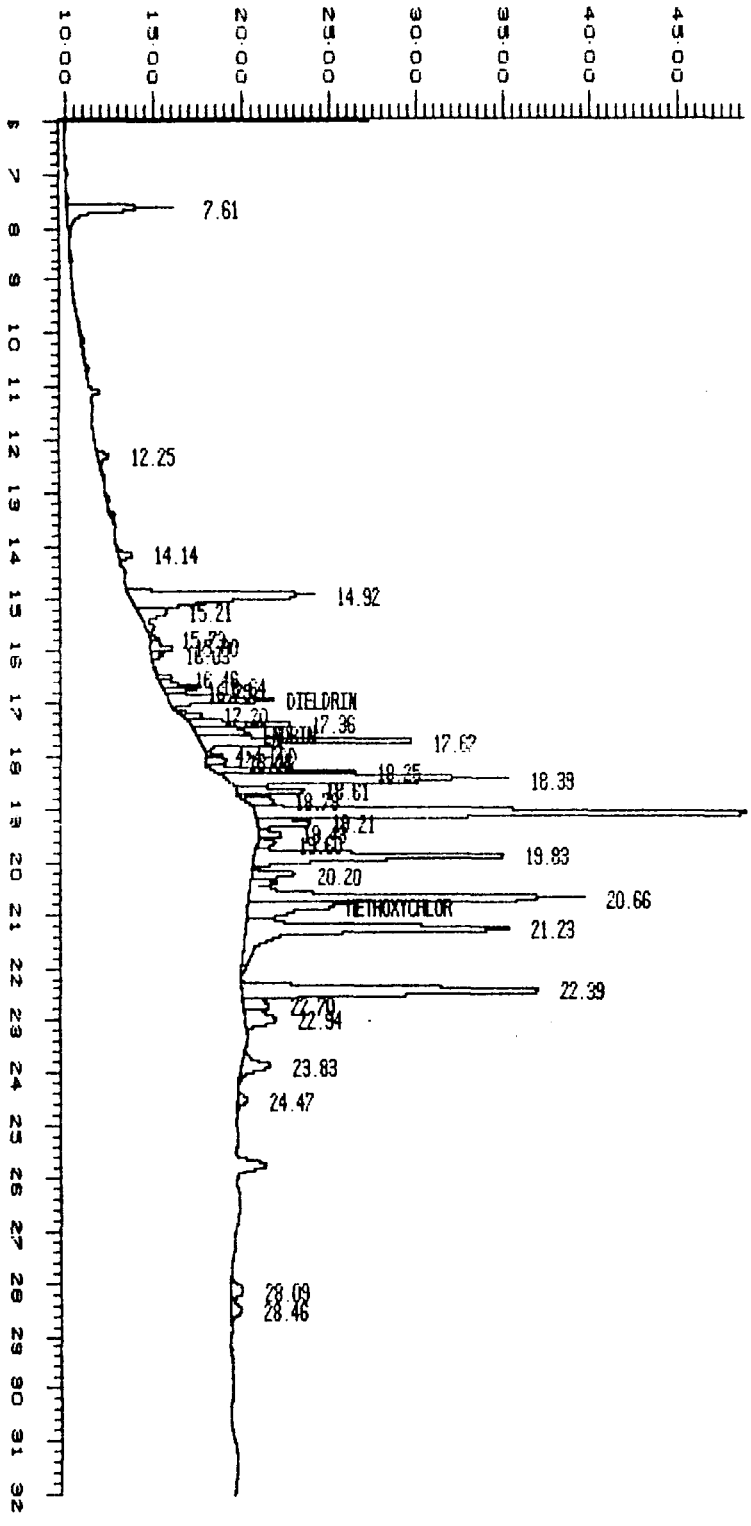
RT(real/expected)	Peak Name	Amount/Area		RT(real/expected)	Peak Name	Amount/Area	
22.392 /0.000		0.0000	/142190	24.272 /0.000		0.0000	/5902
22.699 /0.000		0.0000	/14521	24.574 /0.000		0.0000	/3170
22.939 /0.000		0.0000	/20346				
23.828 /0.000		0.0000	/19297				
24.472 /0.000		0.0000	/4955				
28.094 /0.000		0.0000	/8060				
28.459 /0.000		0.0000	/7002				

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,30,1

MSD SOIL (25147) 6/9/94. Amount : 1.000.

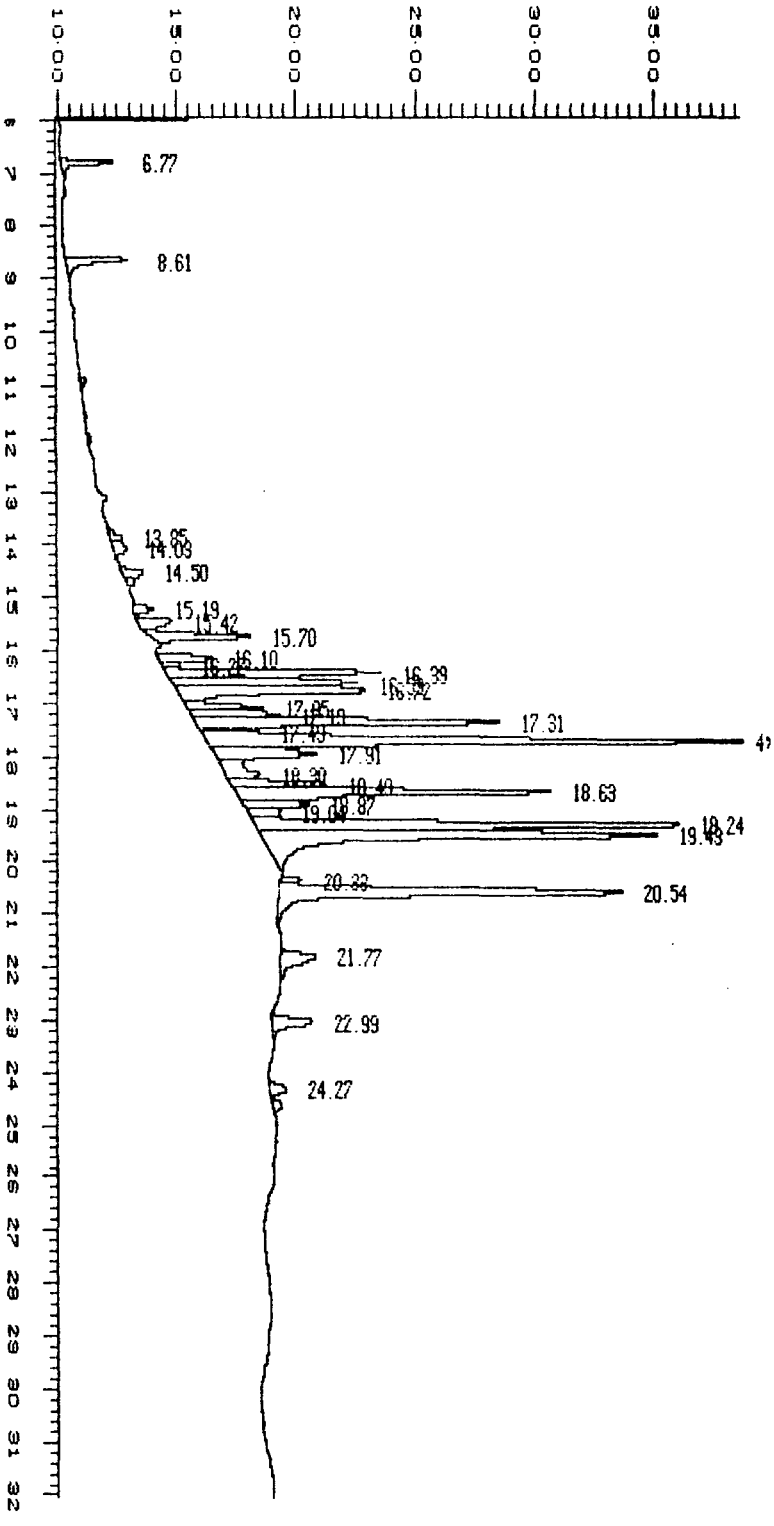
Acquired on 13-JUN-1994 at 16:40
Reported on 13-JUN-1994 at 23:44
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,30,1

MSD SOIL (25147) 6/9/94. Amount : 1.000.

Acquired on 13-JUN-1994 at 17:20
Reported on 13-JUN-1994 at 23:44
Box 1 (of 1)



Reported on 13-JUN-1994 at 23:47
Modified on 13-JUN-1994 at 16:34

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : C_FOXHOVEN

Channel 025 Acquired on 13-JUN-1994 at 16:40
Channel 026 Acquired on 13-JUN-1994 at 17:20

Lims Id	: PB-0612	Lims Id	: PB-0612
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846	Comment	: HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: MSD SOIL (25147) 6/9/94	Sample Name	: MSD SOIL (25147) 6/9/94
Sample Id	: MSD SOIL	Sample Id	: MSD SOIL
Bottle No	: 43	Bottle No	: 43

RT(real/expected)	Peak Name	Amount/Area	RT(real/expected)	Peak Name	Amount/Area
5.823 /0.000		0.0000 /15894	6.774 /0.000		0.0000 /8818
7.610 /0.000		0.0000 /34159	8.614 /0.000		0.0000 /13864
12.254 /0.000		0.0000 /4311	10.890 /0.000		0.0000 /1332
14.139 /0.000		0.0000 /4678	13.046 /0.000		0.0000 /4498
14.917 /0.000		0.0000 /101853	14.032 /0.000		0.0000 /5398
15.206 /0.000		0.0000 /17905	14.503 /0.000		0.0000 /6731
15.734 /15.779	gamma-Chlordane	5584.6123 /2860	14.703 /0.000		0.0000 /1808
15.899 /0.000		0.0000 /7411	15.188 /15.237	alpha-chlordane	14778.9492 /4180
16.028 /0.000		0.0000 /3080	15.423 /0.000		0.0000 /10748
16.463 /0.000		0.0000 /3469	15.699 /0.000		0.0000 /19642
16.641 /16.684	4,4-DDE	24497.1016 /10306	16.103 /0.000		0.0000 /12961
16.748 /0.000		0.0000 /5774	16.223 /0.000		0.0000 /3374
16.890 /0.000		0.0000 /32614	16.388 /0.000		0.0000 /49541
17.201 /0.000		0.0000 /4241	16.588 /0.000		0.0000 /53130
17.361 /0.000		0.0000 /32824	16.717 /0.000		0.0000 /56036
17.526 /0.000		0.0000 /16087	17.050 /0.000		0.0000 /19278
17.668 /0.000		0.0000 /64157	17.192 /0.000		0.0000 /18288
17.966 /0.000		0.0000 /4261	17.312 /0.000		0.0000 /75579
18.059 /0.000		0.0000 /5852	17.494 /0.000		0.0000 /11353
18.254 /18.240	Endrin aldehyde	224404.0469/43472	17.668 /0.000		0.0000 /162999
18.392 /0.000		0.0000 /93265	17.908 /0.000		0.0000 /35641
18.614 /0.000		0.0000 /17269	18.299 /0.000		0.0000 /19875
18.783 /0.000		0.0000 /10925	18.490 /0.000		0.0000 /23219
19.023 /0.000		0.0000 /181763	18.628 /0.000		0.0000 /93310
19.214 /0.000		0.0000 /16279	18.868 /0.000		0.0000 /21785
19.428 /0.000		0.0000 /5722	19.037 /0.000		0.0000 /9297
19.601 /0.000		0.0000 /5475	19.237 /0.000		0.0000 /127480
19.828 /0.000		0.0000 /100282	19.428 /0.000		0.0000 /146071
20.197 /0.000		0.0000 /14222	20.326 /0.000		0.0000 /4824
20.659 /0.000		0.0000 /145529	20.543 /0.000		0.0000 /119288
20.823 /0.000		0.0000 /47951	21.766 /0.000		0.0000 /17649

RT(real/expected)	Peak Name	Amount/Area		RT(real/expected)	Peak Name	Amount/Area	
21.228 /0.000		0.0000	/130971	22.988 /0.000		0.0000	/15109
22.392 /0.000		0.0000	/142190	24.272 /0.000		0.0000	/5902
22.699 /0.000		0.0000	/14521	24.574 /0.000		0.0000	/3179
22.939 /0.000		0.0000	/20346				
23.828 /0.000		0.0000	/19297				
24.472 /0.000		0.0000	/4955				
28.094 /0.000		0.0000	/8060				
28.459 /0.000		0.0000	/7002				

Reported on 14-JUN-1994 at 00:02
Modified on 13-JUN-1994 at 16:34

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : C_FOXHOVEN

Channel 025 Acquired on 13-JUN-1994 at 16:40
Channel 026 Acquired on 13-JUN-1994 at 17:20

Lims Id : P60-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : MSD SOIL (25147) 6/9/94
Sample Id : MSD SOIL
Bottle No : 43

Lims Id : P60-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : MSD SOIL (25147) 6/9/94
Sample Id : MSD SOIL
Bottle No : 43

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
5.823	/0.000		0.0000	/15894	6.774	/0.000		0.0000	/8818
7.610	/0.000		0.0000	/34159	8.614	/0.000		0.0000	/13864
12.254	/0.000		0.0000	/4311	10.890	/0.000		0.0000	/1332
14.139	/0.000		0.0000	/4678	13.846	/0.000		0.0000	/4498
14.917	/0.000		0.0000	/101853	14.032	/0.000		0.0000	/5398
15.206	/0.000		0.0000	/17905	14.503	/0.000		0.0000	/6731
15.734	/0.000		0.0000	/2860	14.703	/0.000		0.0000	/1888
15.899	/0.000		0.0000	/7411	15.188	/0.000		0.0000	/4180
16.028	/0.000		0.0000	/3080	15.423	/0.000		0.0000	/10748
16.463	/0.000		0.0000	/3469	15.699	/0.000		0.0000	/19642
16.641	/0.000		0.0000	/10306	16.103	/0.000		0.0000	/12961
16.748	/0.000		0.0000	/5774	16.223	/0.000		0.0000	/3374
16.890	/0.000		0.0000	/32614	16.388	/0.000		0.0000	/49541
17.201	/0.000		0.0000	/4241	16.588	/0.000		0.0000	/53130
17.361	/0.000		0.0000	/32824	16.717	/16.727	PCB 1260-1	5.5670E+6	/56036
17.526	/17.539	PCB 1260-1	1.1594E+6	/16087	17.050	/0.000		0.0000	/19278
17.668	/0.000		0.0000	/64157	17.192	/17.198	PCB 1260-2	3.0062E+6	/18288
17.966	/0.000		0.0000	/4261	17.312	/0.000		0.0000	/75579
18.059	/0.000		0.0000	/5852	17.494	/0.000		0.0000	/11353
18.254	/18.261	PCB 1260-2	2.1373E+6	/43472	17.668	/0.000		0.0000	/162999
18.392	/0.000		0.0000	/93265	17.908	/0.000		0.0000	/35641
18.614	/0.000		0.0000	/17269	18.299	/0.000		0.0000	/19875
18.783	/0.000		0.0000	/10925	18.490	/0.000		0.0000	/23219
19.023	/19.023	PCB 1260-3	9.8066E+6	/181763	18.628	/18.615	PCB 1260-4	1.1993E+7	/93310
19.214	/0.000		0.0000	/16279	18.868	/0.000		0.0000	/21785
19.428	/19.441	PCB 1260-4	441946.7500	/5722	19.037	/0.000		0.0000	/9297
19.601	/0.000		0.0000	/5475	19.237	/0.000		0.0000	/127480
19.828	/0.000		0.0000	/100282	19.428	/19.431	PCB 1260-5	6.0896E+6	/146071
20.197	/20.203	PCB 1260-5	1.2463E+6	/14222	20.326	/0.000		0.0000	/4824
20.659	/0.000		0.0000	/145529	20.543	/0.000		0.0000	/119268
20.823	/0.000		0.0000	/47951	21.766	/0.000		0.0000	/17649

RT(real/expected)	Peak Name	Amount/Area		RT(real/expected)	Peak Name	Amount/Area	
21.228 /0.000		0.0000	/130971	22.988 /0.000		0.0000	/15109
22.392 /0.000		0.0000	/142190	24.272 /0.000		0.0000	/5902
22.699 /0.000		0.0000	/14521	24.574 /0.000		0.0000	/3179
22.939 /0.000		0.0000	/20346				
23.828 /0.000		0.0000	/19297				
24.472 /0.000		0.0000	/4955				
28.094 /0.000		0.0000	/8060				
28.459 /0.000		0.0000	/7002				

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 18:00
Channel 026 Acquired on 13-JUN-1994 at 18:40

Lims Id	: PA-0612	Lims Id	: PA-0612
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080	Comment	:
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: PEST MIX A CCAL (MID)	Sample Name	: PEST MIX A CCAL (MID)
Sample Id	: 505-D18-3	Sample Id	: 505-D18-3
Bottle No	: 43	Bottle No	: 43

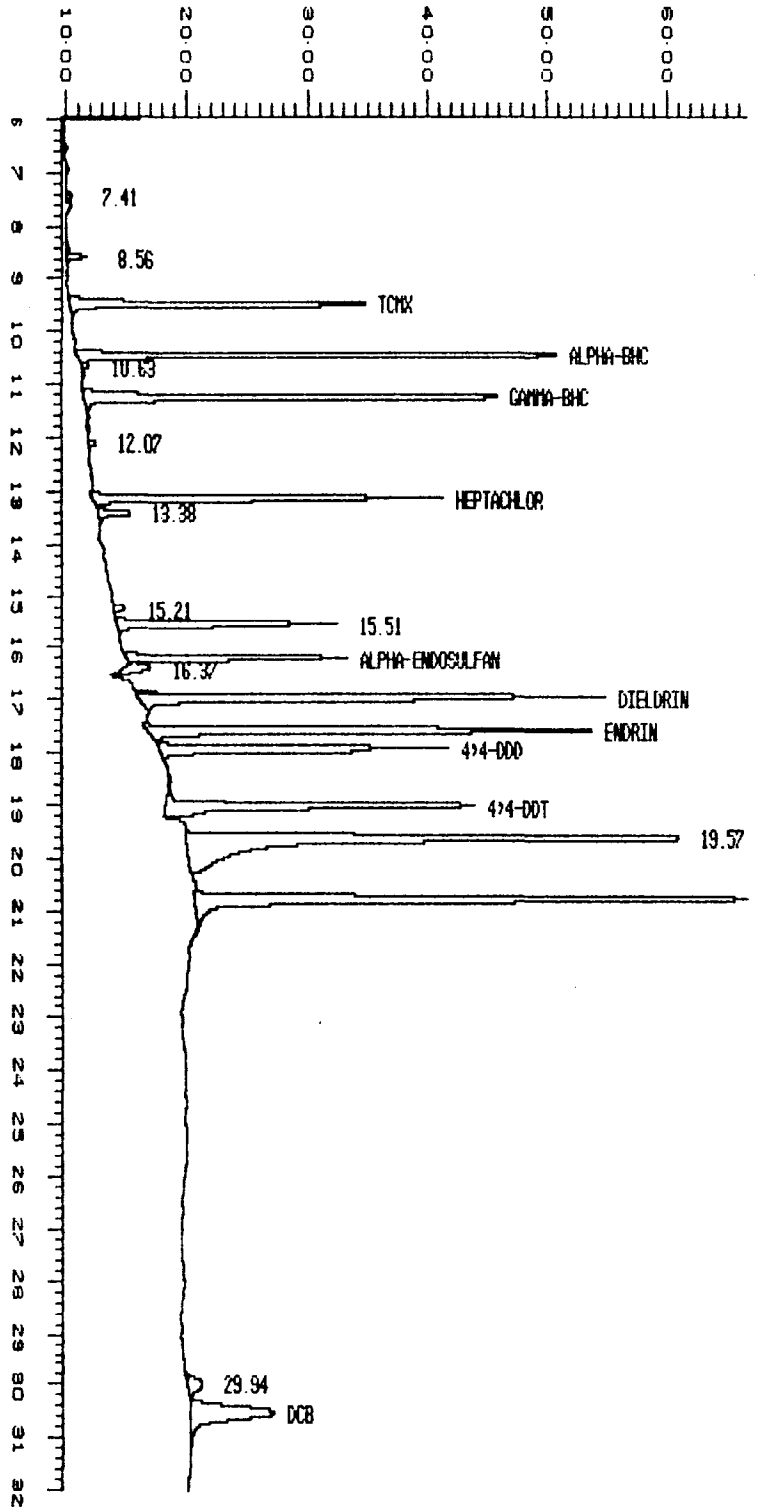
RT(real/expected)		Peak Name		Amount/Area		RT(real/expected)		Peak Name		Amount/Area	
4.299	/0.000			0.0000	/2132	4.872	/0.000			0.0000	/887
7.414	/0.000			0.0000	/2043	6.814	/0.000			0.0000	/1170
8.557	/0.000			0.0000	/5042	7.294	/0.000			0.0000	/1009
9.441	/9.447	TCMX	112%	0.1117	/95315	7.379	/0.000			0.0000	/2172
10.406	/10.416	alpha-BHC	103%	0.1028	/147004	8.148	/8.154	TCMX	112%	0.1115	/52646
10.628	/0.000			0.0000	/1890	8.779	/0.000			0.0000	/3159
11.214	/11.221	gamma-BHC	105%	0.1046	/141240	9.557	/0.000			0.0000	/1328
12.072	/0.000			0.0000	/2075	10.277	/10.283	alpha-BHC	113%	0.1134	/80530
13.099	/13.105	Heptachlor	102%	0.1017	/127932	10.499	/0.000			0.0000	/1236
13.379	/0.000			0.0000	/13628	11.246	/11.253	gamma-BHC	107%	0.1070	/73572
15.210	/0.000			0.0000	/4493	11.761	/11.768	Heptachlor	105%	0.1050	/73385
15.512	/0.000			0.0000	/80799	13.597	/0.000			0.0000	/7221
16.166	/16.178	alpha-Endosulfan	95%	0.0954	/83215	13.748	/0.000			0.0000	/19674
16.370	/0.000			0.0000	/15193	14.041	/0.000			0.0000	/2717
16.932	/16.938	Dieldrin	106%	0.2116	/187074	14.942	/14.955	alpha-Endosulfan	110%	0.1097	/58551
17.539	/17.550	Endrin	126%	0.2512	/178941	15.930	/15.942	Dieldrin	110%	0.2191	/120590
17.886	/17.900	4,4-DDD	100%	0.1993	/118317	16.481	/16.497	Endrin	122%	0.2437	/109861
18.979	/18.992	4,4-DDT	109%	0.2188	/151767	17.666	/17.682	4,4-DDD	126%	0.2528	/80102
19.574	/0.000			0.0000	/353537	18.126	/18.137	4,4-DDT	119%	0.2383	/76876
20.743	/20.759	Methoxychlor	101%	1.0066	/307017	18.303	/0.000			0.0000	/6040
29.943	/0.000			0.0000	/17849	19.881	/19.899	Methoxychlor	101%	1.0105	/183025
30.481	/30.510	DCB	84%	0.1683	/104938	21.534	/0.000			0.0000	/181051
						25.032	/25.062	DCB	105%	0.2098	/94433

Huntingdon VAX Multichrom V2.0

[DEEPROJECT] 25 JUN1294,32,1

PEST MIX A CCAL (MID). Amount : 1.000.

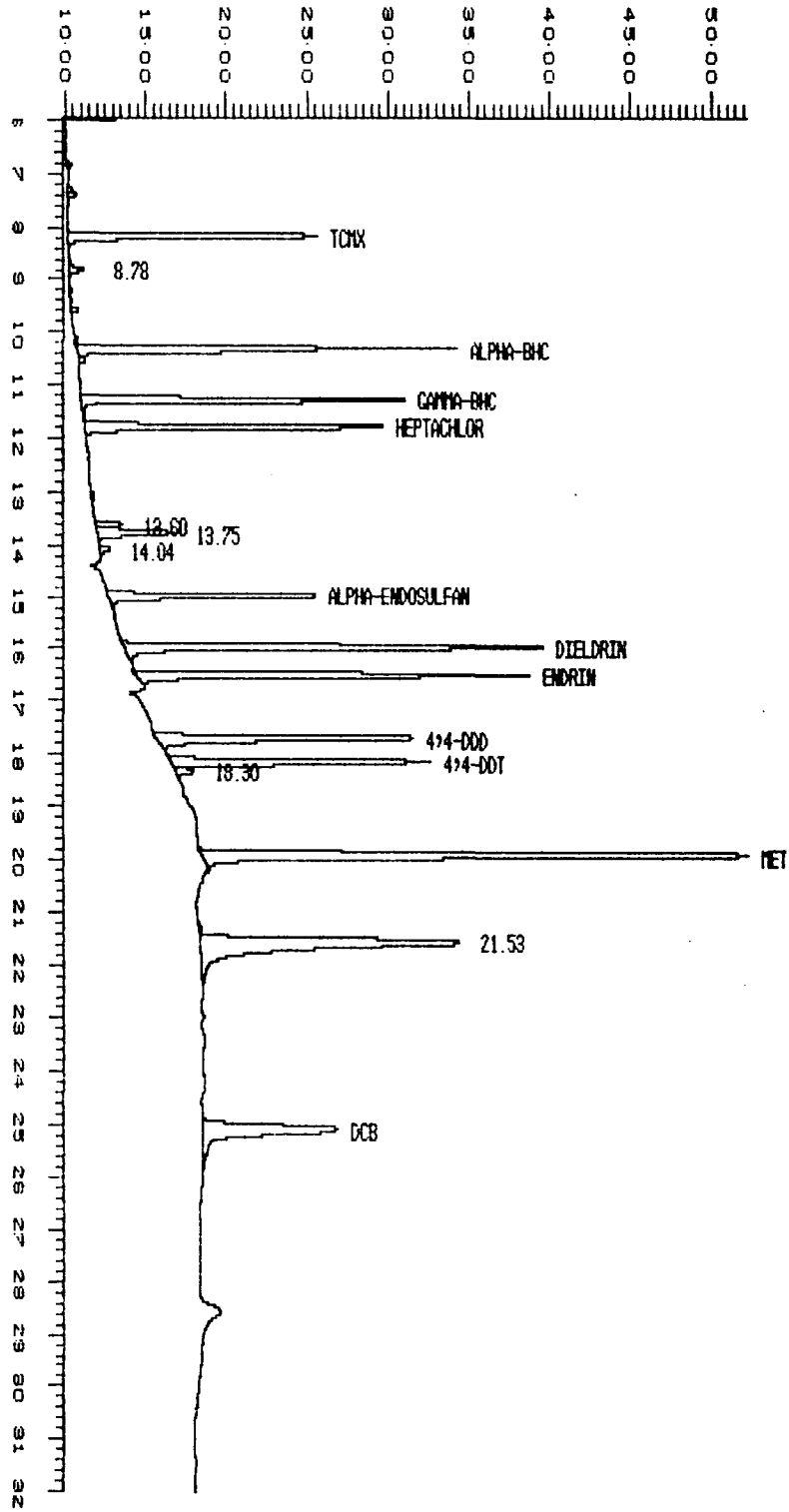
Acquired on 13-JUN-1994 at 18:00
Reported on 13-JUN-1994 at 20:49
Box 1 (of 1)



[DEEPROJECT] 26 JUN1294,32,1

PEST MIX A CCAL (MID). Amount : 1.000.

Acquired on 13-JUN-1994 at 18:40
Reported on 13-JUN-1994 at 20:49
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 18:40
Channel 026 Acquired on 13-JUN-1994 at 19:21

Lims Id	: PB-0612	Lims Id	: PB-0612
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846	Comment	:
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080			
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: PEST MIX B CCAL (MID)	Sample Name	: PEST MIX B CCAL (MID)
Sample Id	: 505-D19-3	Sample Id	: 505-D19-3
Bottle No	: 44	Bottle No	: 44

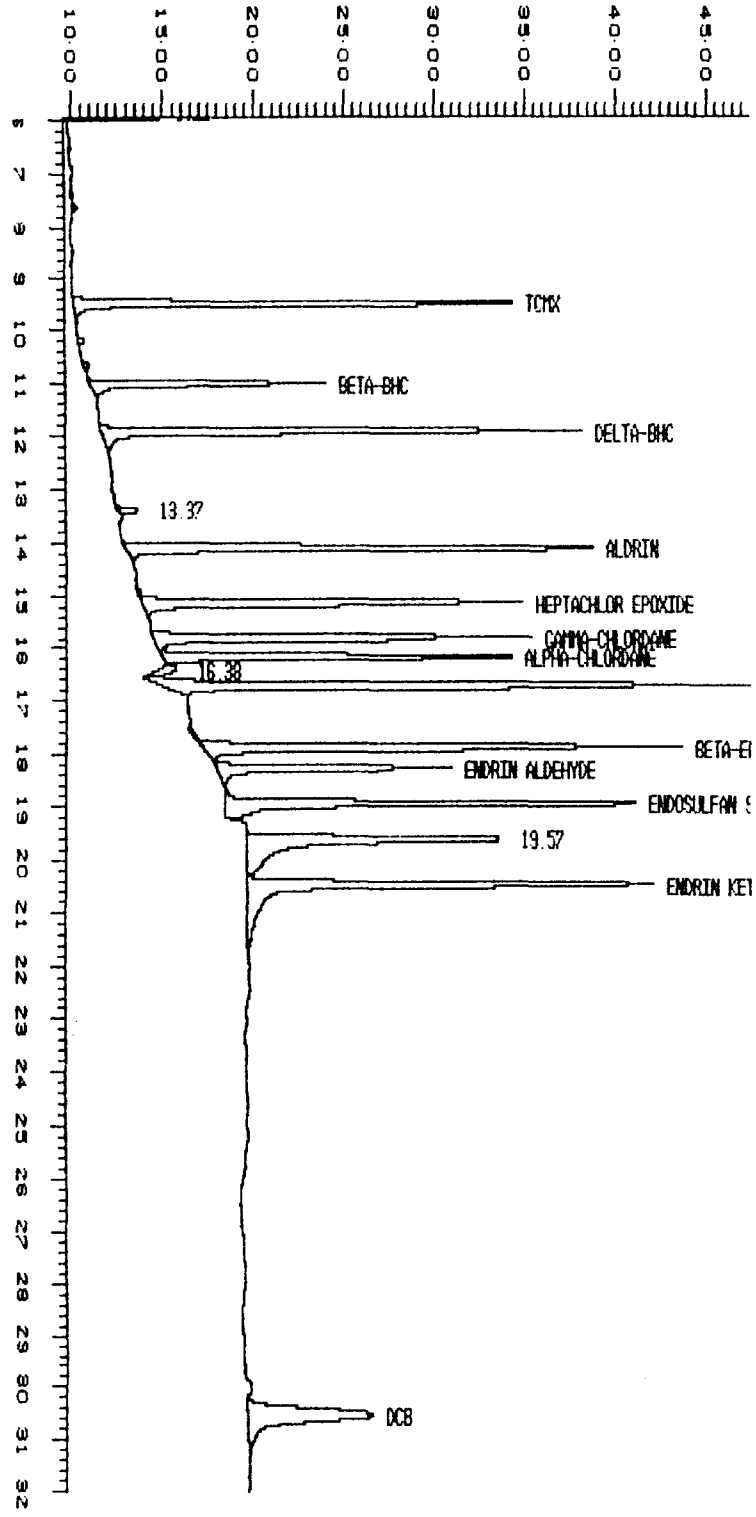
RT(real/expected)		Peak Name		Amount/Area		RT(real/expected)		Peak Name		Amount/Area	
1.241	/0.000			0.0000	/6175	4.121	/0.000			0.0000	/2483
4.294	/0.000			0.0000	/1913	4.872	/0.000			0.0000	/775
4.739	/0.000			0.0000	/4313	8.148	/8.150	TCMX	103%	0.1032	/51315
9.437	/9.443	TCMX	102%	0.1017	/94380	8.779	/0.000			0.0000	/1438
10.979	/10.986	beta-BHC	90%	0.0898	/56889	12.459	/12.461	Aldrin	97%	0.0972	/70343
11.886	/11.893	delta-BHC	92%	0.0921	/114531	13.143	/13.141	beta-BHC	105%	0.1047	/32726
13.374	/0.000			0.0000	/4223	13.601	/0.000			0.0000	/2671
14.077	/14.084	Aldrin	94%	0.0937	/118008	13.783	/13.781	delta-BHC	102%	0.1022	/50910
15.112	/15.120	Heptachlor epoxide	94%	0.0943	/101139	14.214	/14.217	Heptachlor epoxide	96%	0.0962	/60362
15.770	/15.779	gamma-Chlordane	96%	0.0957	/101634	15.094	/15.093	gamma-chlordane	100%	0.1047	/50821
16.134	/16.141	alpha-Chlordane	90%	0.0899	/90871	15.237	/15.237	alpha-chlordane	102%	0.1015	/59288
16.379	/0.000			0.0000	/8406	15.508	/15.507	4,4-DDE	112%	0.2246	/103773
16.677	/16.684	4,4-DDE	92%	0.1839	/159600	17.821	/17.824	beta-Endosulfan	105%	0.2102	/89924
17.832	/17.842	beta-Endosulfan	100%	0.1999	/132325	18.960	/18.963	Endrin aldehyde	101%	0.2012	/43182
18.237	/18.248	Endrin aldehyde	90%	0.1792	/70409	19.579	/0.000			0.0000	/1904
18.917	/18.924	Endosulfan sulfate		0.2116	106% /129455	19.886	/19.887	Endosulfan sulfate		0.1933	97% /75524
19.574	/0.000			0.0000	/123119	21.281	/21.283	Endrin ketone	91%	0.1812	/90167
20.446	/20.458	Endrin ketone	104%	0.2089	/171466	21.543	/0.000			0.0000	/73182
30.481	/30.509	DCB	79%	0.1584	/109257	25.041	/25.051	DCB	93%	0.1853	/93461

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,33,1

PEST MIX B CCAL (MID). Amount : 1.000.

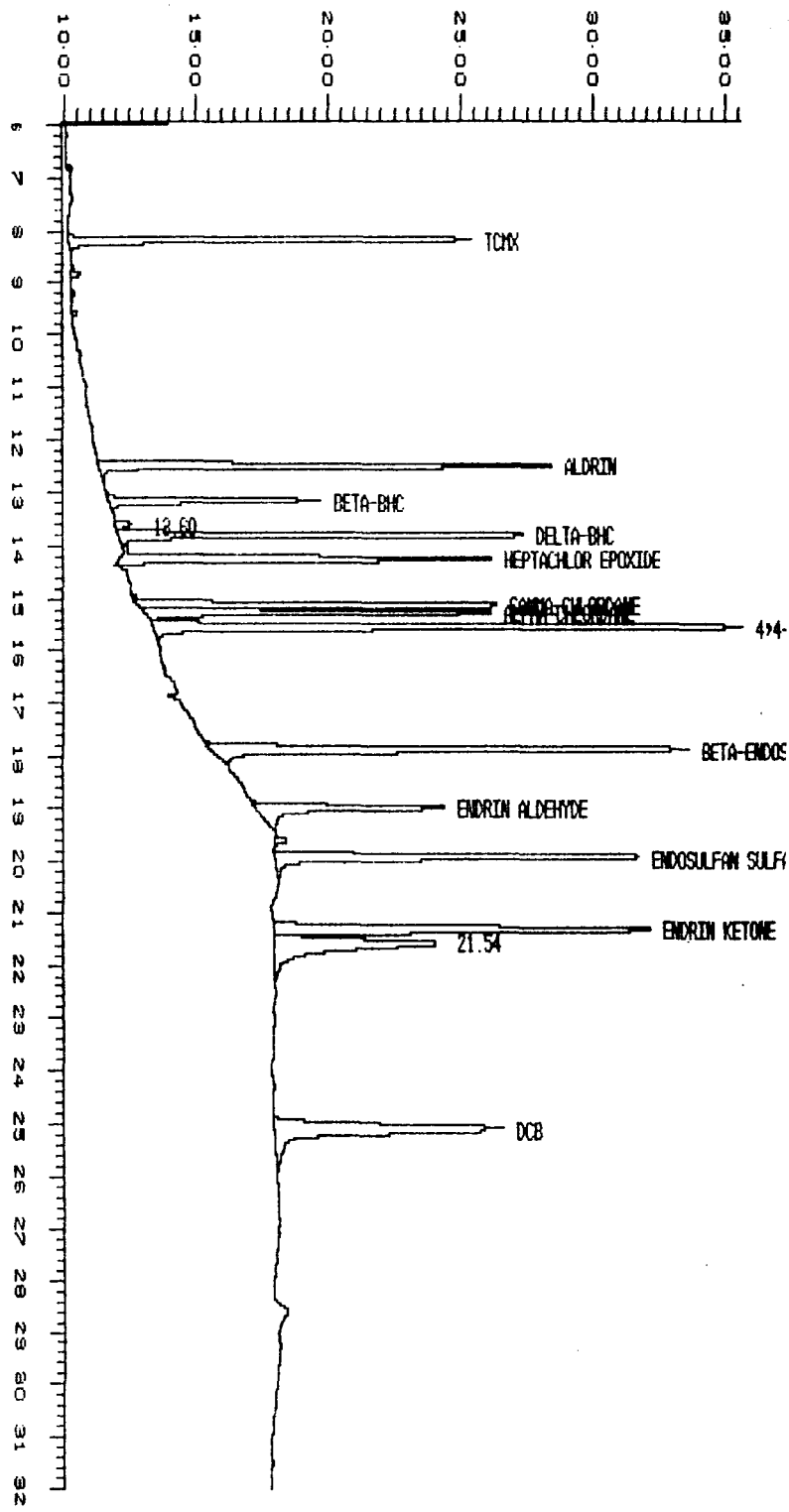
Acquired on 13-JUN-1994 at 18:40
Reported on 13-JUN-1994 at 20:50
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,33,1

PEST MIX B CCAL (MID). Amount : 1.000.

Acquired on 13-JUN-1994 at 19:21
Reported on 13-JUN-1994 at 20:50
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 19:21
Channel 026 Acquired on 13-JUN-1994 at 20:01

Lims Id : PA-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : EVAL MIX
Sample Id : 505-20-1 OK
Bottle No : 45

Lims Id : PA-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : EVAL MIX
Sample Id : 505-20-1 OK
Bottle No : 45

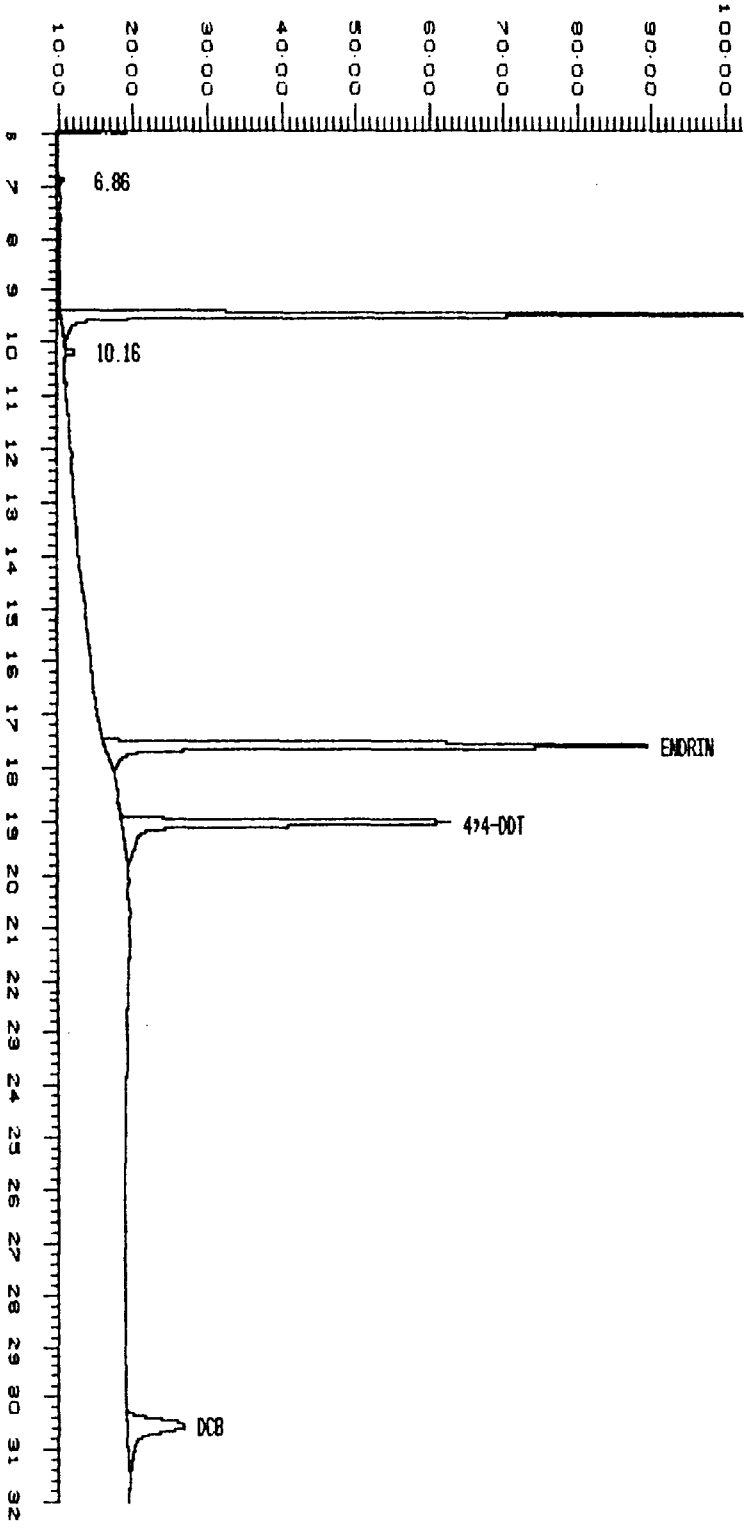
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
4.294	/0.000		0.0000	/2102	4.868	/0.000		0.0000	/881
6.863	/0.000		0.0000	/2824	5.570	/0.000		0.0000	/1231
9.437	/9.447	TCMX	0.4059	/371448	6.801	/0.000		0.0000	/6224
10.157	/0.000		0.0000	/4667	8.148	/8.154	TCMX	0.3779	/186491
17.541	/17.550	Endrin	0.5026	/404284	9.170	/0.000		0.0000	/2307
18.985	/18.992	4,4-DDT	0.3987	/290617	16.486	/16.497	Endrin	0.4976	/246274
30.503	/30.510	DCB	0.2245	/143450	18.130	/18.137	4,4-DDT	0.4600	/156963
					25.050	/25.062	DCB	0.2630	/120410

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,34,1

EVAL MIX. Amount : 1.000.

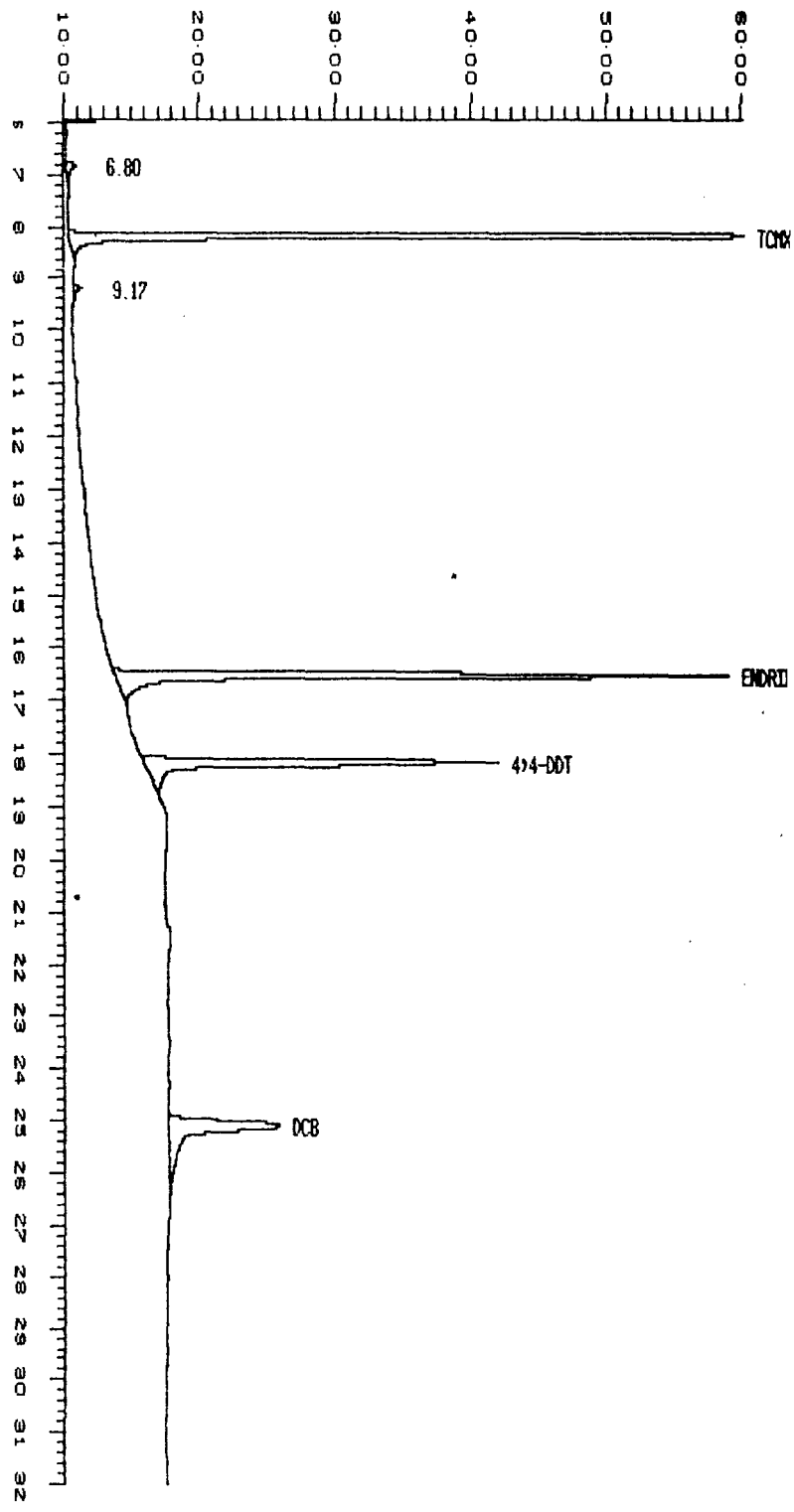
Acquired on 13-JUN-1994 at 19:21
Reported on 13-JUN-1994 at 20:52
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,34,1

EVAL MIX. Amount : 1.000.

Acquired on 13-JUN-1994 at 20:01
Reported on 13-JUN-1994 at 20:52
Box 1 (of 1)



Reported on 13-JUN-1994 at 20:51
Modified on 13-JUN-1994 at 16:34

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : C_FOXHOVEN

Channel 025 Acquired on 13-JUN-1994 at 19:21
Channel 026 Acquired on 13-JUN-1994 at 20:01

Lims Id : PB-0612
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : EVAL MIX
Sample Id : 505-20-1
Bottle No : 45

Lims Id : PB-0612
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : EVAL MIX
Sample Id : 505-20-1
Bottle No : 45

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
4.294	/0.000		0.0000	/2102	4.868	/0.000		0.0000	/881

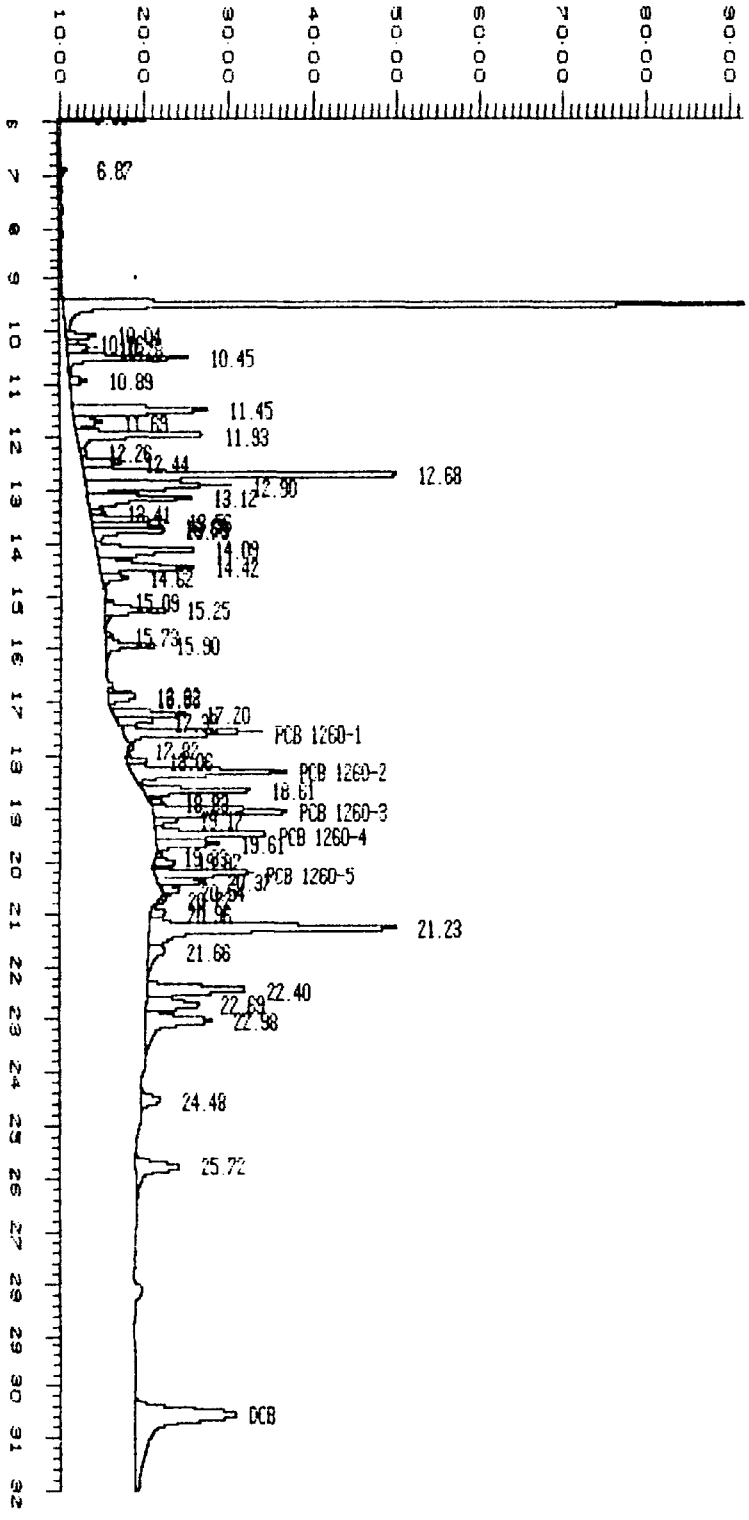
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
6.863	/0.000		0.0000	/2824	5.570	/0.000		0.0000	/1231
9.437	/9.443	TCMX	0.3861	/371448	6.801	/0.000		0.0000	/6224
10.157	/0.000		0.0000	/4667	8.148	/8.150	TCMX	0.3658	/186491
17.541	/0.000		0.0000	/404284	9.170	/0.000		0.0000	/2307
18.985	/18.924	Endosulfan sulfate	0.4564	/290617	16.486	/0.000		0.0000	/246274
30.503	/30.509	DCB	0.2042	/143450	18.130	/0.000		0.0000	/156963
					25.050	/25.051	DCB	0.2363	/120410

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1294,35,1

PCB 1016/1260-3 5.0 UG/ML. Amount : 1.000.

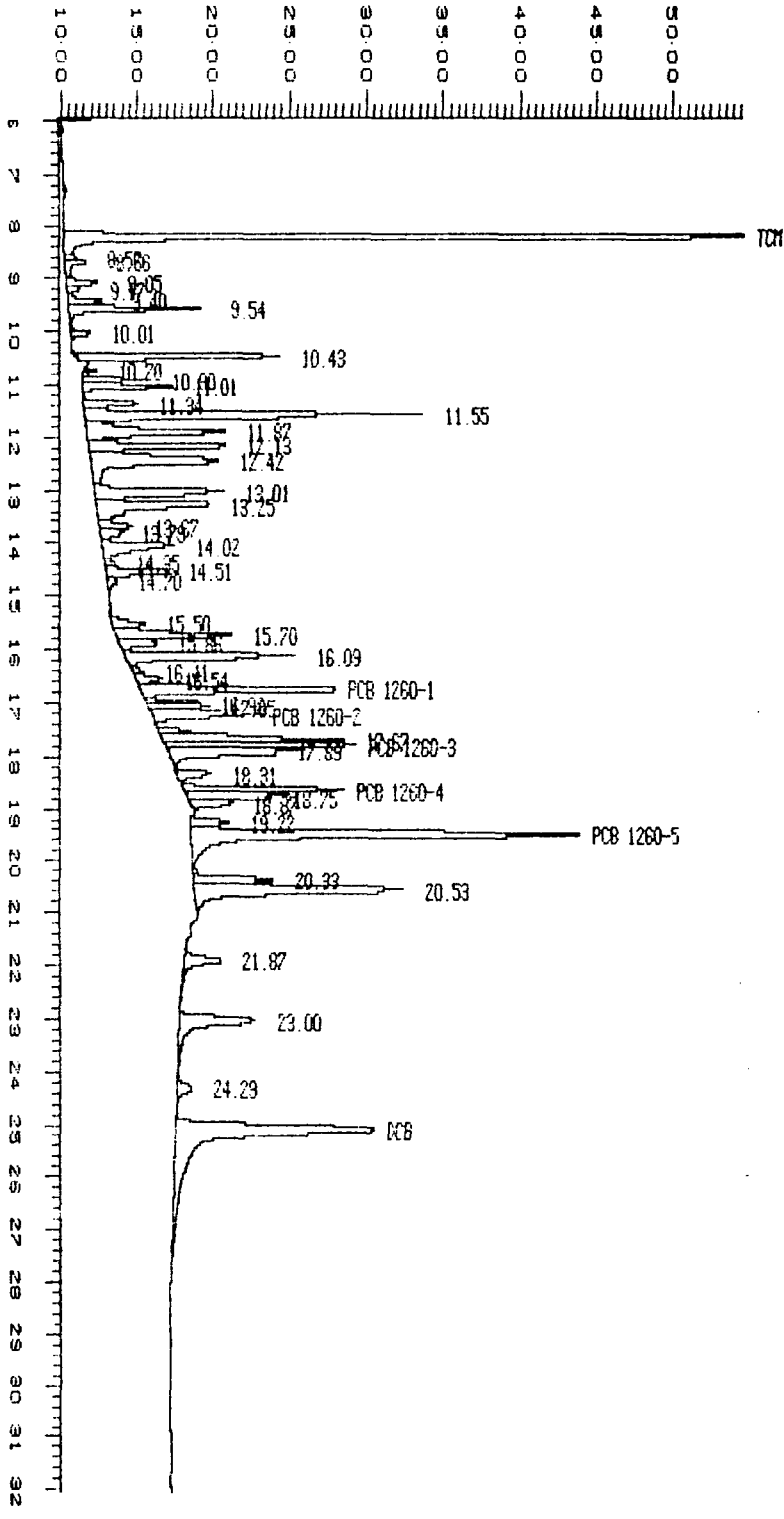
Acquired on 13-JUN-1994 at 20:01
Reported on 13-JUN-1994 at 23:49
Box 1 (of 1)



[DEFPROJECT] 26 JUN1294,35,1

PCB 1016/1260-3 5.0 UG/ML. Amount : 1.000.

Acquired on 13-JUN-1994 at 20:41
Reported on 13-JUN-1994 at 23:49
Box 1 (of 1)



Reported on 13-JUN-1994 at 23:48
Modified on 13-JUN-1994 at 16:34

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : C_FOXHOVIN

Channel 025 Acquired on 13-JUN-1994 at 20:01
Channel 026 Acquired on 13-JUN-1994 at 20:41

Lims Id	: P60-0612	Lims Id	: P60-0612
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080	Comment	:
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: PCB 1016/1260-3 5.0 UG/ML	Sample Name	: PCB 1016/1260-3 5.0 UG/ML
Sample Id	: 505-D22-1	Sample Id	: 505-D22-1
Bottle No	: 14	Bottle No	: 14

RT(real/expected)		Peak Name		Amount/Area		RT(real/expected)		Peak Name		Amount/Area	
1.241	/0.000			0.0000	/3619	5.570	/0.000			0.0000	/1054
5.832	/0.000			0.0000	/2513	8.148	/8.146	TCMX	86%	0.4280	/169108
6.872	/0.000			0.0000	/2467	8.570	/0.000			0.0000	/3562
9.441	/9.447	TCMX	93%	0.4660	/335946	8.650	/0.000			0.0000	/10169
10.041	/0.000			0.0000	/15225	9.050	/0.000			0.0000	/8580
10.161	/0.000			0.0000	/5949	9.170	/0.000			0.0000	/3913
10.281	/0.000			0.0000	/15283	9.401	/0.000			0.0000	/8835
10.446	/0.000			0.0000	/62506	9.543	/0.000			0.0000	/36251
10.890	/0.000			0.0000	/8606	10.010	/0.000			0.0000	/5088
11.450	/0.000			0.0000	/106053	10.432	/0.000			0.0000	/53017
11.694	/0.000			0.0000	/25713	10.699	/0.000			0.0000	/2406
11.926	/0.000			0.0000	/83331	10.797	/0.000			0.0000	/1038
12.263	/0.000			0.0000	/4679	10.899	/0.000			0.0000	/16745
12.437	/0.000			0.0000	/31853	11.010	/0.000			0.0000	/24940
12.677	/0.000			0.0000	/188975	11.343	/0.000			0.0000	/16785
12.899	/0.000			0.0000	/95040	11.552	/0.000			0.0000	/109524
13.117	/0.000			0.0000	/84160	11.872	/0.000			0.0000	/58218
13.406	/0.000			0.0000	/10655	12.130	/0.000			0.0000	/44306
13.557	/0.000			0.0000	/43226	12.423	/0.000			0.0000	/84289
13.663	/0.000			0.0000	/36285	13.010	/0.000			0.0000	/54735
13.730	/0.000			0.0000	/49464	13.250	/0.000			0.0000	/60826
14.086	/0.000			0.0000	/85082	13.672	/0.000			0.0000	/12764
14.423	/0.000			0.0000	/83350	13.788	/0.000			0.0000	/9198
14.619	/0.000			0.0000	/19209	14.019	/0.000			0.0000	/36131
15.090	/0.000			0.0000	/4680	14.352	/0.000			0.0000	/4392
15.246	/0.000			0.0000	/43730	14.508	/0.000			0.0000	/22325
15.730	/0.000			0.0000	/4551	14.703	/0.000			0.0000	/4742
15.899	/0.000			0.0000	/32044	15.503	/0.000			0.0000	/11703
16.823	/0.000			0.0000	/12765	15.703	/0.000			0.0000	/37939
16.881	/0.000			0.0000	/16996	15.859	/0.000			0.0000	/18016
17.197	/0.000			0.0000	/42142	16.094	/0.000			0.0000	/58221

Reported on 13-JUN-1994 at 23:48
Modified on 13-JUN-1994 at 16:34

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
17.317	/0.000		0.0000	/24511	16.414	/0.000		0.0000	/4147
17.530	/17.539	PCB 1260-1	3.3052	/86159	16.543	/0.000		0.0000	/7356
17.819	/0.000		0.0000	/2943	16.726	/16.727	PCB 1260-1	3.3278	/66157
18.063	/0.000		0.0000	/10602	16.983	/0.000		0.0000	/13746
18.254	/18.261	PCB 1260-2	3.2092	/123945	17.050	/0.000		0.0000	/19927
18.614	/0.000		0.0000	/64344	17.197	/17.198	PCB 1260-2	3.8664	/44804
18.832	/0.000		0.0000	/5462	17.672	/0.000		0.0000	/75751
19.014	/19.023	PCB 1260-3	2.8070	/109411	17.757	/17.761	PCB 1260-3	3.4576	/66620
19.174	/0.000		0.0000	/13957	17.806	/0.000		0.0000	/44455
19.432	/19.441	PCB 1260-4	2.9966	/72352	18.308	/0.000		0.0000	/13278
19.606	/0.000		0.0000	/42663	18.610	/18.615	PCB 1260-4	3.2346	/54217
19.832	/0.000		0.0000	/3633	18.752	/0.000		0.0000	/29221
19.970	/0.000		0.0000	/14157	18.868	/0.000		0.0000	/14682
20.197	/20.203	PCB 1260-5	3.0989	/67176	19.223	/0.000		0.0000	/14075
20.366	/0.000	$\bar{x} = 3.08$	0.0000	/36270	19.428	/19.431	PCB 1260-5	3.6977	/175500
20.539	/0.000		0.0000	/10877	20.334	/0.000	$\bar{x} = 3.52$	0.0000	/29036
20.717	/0.000	$\frac{3.08}{5.00} = 62\%$	0.0000	/4170	20.534	/0.000		0.0000	/118787
20.961	/0.000		0.0000	/11613	21.868	/0.000	$\frac{3.52}{5.00} = 70\%$	0.0000	/21420
21.232	/0.000		0.0000	/229419	22.997	/0.000		0.0000	/55238
21.663	/0.000		0.0000	/30354	24.286	/0.000		0.0000	/10191
22.401	/0.000		0.0000	/98762	25.041	/25.054	DCB 96%	0.4823	/203445
22.694	/0.000		0.0000	/56836					
22.979	/0.000		0.0000	/92903					
24.477	/0.000		0.0000	/23056					
25.721	/0.000		0.0000	/66872					
30.508	/30.522	DCB 87%	0.4334	/281711					

Reported on 14-JUN-1994 at 03:00
Modified on 14-JUN-1994 at 02:54

List Run Sequence File

ANALYST NAME..... C. FOXHOVEN
LIMS ANALYSIS ID..... P60-0614
HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 8080

Ch. 25 Primary for PCB-1260

ANALYSIS INFORMATION

Analysis name..... JUN1494
Method name..... PEST
Calibration name..... P60-0614
Calibration sequence..... Sequential Standard
User parameter 1 name..... FINAL VOLUME (ML)
User parameter 2 name..... GPC, DILUTION FACTOR
User parameter 3 name..... INITIAL AMT (KG/L)

SAMPLE SUMMARY

SAMPLE NUMBER	LIMS ID	SAMPLE NAME
1	----------	HEXANE
2	505-D22-4	PCB 1016/1260-1 (LOW)
3	505-D22-2	PCB 1016/1260-3 (MID)
4	505-26-1	PCB 1016/1260-5 (HIGH)
5	505-22-1	PCB 1016/1260 2ND SOURCE 5.0 UG/ML
6	505-D23-4	PCB 1254 (LOW)
7	505-D23-2	PCB 1254 (MID)
8	505-27-1	PCB 1254 (HIGH)
9	505-D11-2	PCB 1254 2ND SOURCE
10	BLK SOIL	BLK 6/9/94 SOIL
11	HPN 5037	25152 5X DIL.
12	HPN 5037	25147 500X DIL.
13	HPN 5039	25160 10000X DIL.
14	HPN 5039	25160 2000X DIL.
15	HPN 5039	25161 20000X DIL.
16	HPN 5039	25161 4000X DIL.
17	HPN 5039	25162 20000X DIL.
18	HPN 5039	25162 4000X DIL.
19	----------	HEXANE
20	505-D23-1	PCB 1254 5.0 UG/ML
21	505-D22-1	PCB 1016/1260-3 5.0 UG/ML

No.	Sample name	LIMS Id	FINAL VOL	DILUTION	INITIAL AMO
1	HEXANE		1.00000	1.00000	1.00000
2	PCB 1016/1260-1 (LOW	505-D22-	1.00000	1.00000	1.00000
3	PCB 1016/1260-3 (MID	505-D22-	1.00000	1.00000	1.00000
4	PCB 1016/1260-5 (HIG	505-26-1	1.00000	1.00000	1.00000
5	PCB 1016/1260 2ND SO	505-22-1	1.00000	1.00000	1.00000
6	PCB 1254 (LOW)	505-D23-	1.00000	1.00000	1.00000
7	PCB 1254 (MID)	505-D23-	1.00000	1.00000	1.00000

Reported on 14-JUN-1994 at 03:00
Modified on 14-JUN-1994 at 02:54

No.	Sample name	LIMS Id	FINAL VOL	DILUTION	INITIAL AMO
8	PCB 1254 (HIGH)	505-27-1	1.00000	1.00000	1.00000
9	PCB 1254 2ND SOURCE	505-D11-	1.00000	1.00000	1.00000
10	BLK 6/9/94 SOIL	BLK SOIL	0.50000	2.00000	0.03000
11	25152 5X DIL.	HPN 5037	0.50000	100.00000	0.00100
12	25147 500X DIL.	HPN 5037	0.50000	10000.00000	0.00100
13	25160 10000X DIL.	HPN 5039	0.50000	200000.00000	0.00100
14	25160 2000X DIL.	HPN 5039	0.50000	40000.00000	0.00100
15	25161 20000X DIL.	HPN 5039	0.50000	400000.00000	0.00100
16	25161 4000X DIL.	HPN 5039	0.50000	80000.00000	0.00100
17	25162 20000X DIL.	HPN 5039	0.50000	400000.00000	0.00100
18	25162 4000X DIL.	HPN 5039	0.50000	80000.00000	0.00100
19	HEXANE		1.00000	1.00000	1.00000
20	PCB 1254 5.0 UG/ML	505-D23-	1.00000	1.00000	1.00000
21	PCB 1016/1260-3 5.0	505-D22-	1.00000	1.00000	1.00000

USER PARAMETER VALUES

SAMPLE	FINAL VOLUME (ML)	GPC, DILUTION FACTOR	INITIAL AMT (KG/L
1	1.00000	1.00000	1.00000
2	1.00000	1.00000	1.00000
3	1.00000	1.00000	1.00000
4	1.00000	1.00000	1.00000
5	1.00000	1.00000	1.00000
6	1.00000	1.00000	1.00000
7	1.00000	1.00000	1.00000
8	1.00000	1.00000	1.00000
9	1.00000	1.00000	1.00000
10	0.50000	2.00000	0.03000
11	0.50000	100.00000	0.00100
12	0.50000	10000.00000	0.00100
13	0.50000	200000.00000	0.00100
14	0.50000	40000.00000	0.00100
15	0.50000	400000.00000	0.00100
16	0.50000	80000.00000	0.00100
17	0.50000	400000.00000	0.00100
18	0.50000	80000.00000	0.00100
19	1.00000	1.00000	1.00000
20	1.00000	1.00000	1.00000
21	1.00000	1.00000	1.00000

INTERNAL/DILUTION STANDARDS

SAMPLE NUMBER	ISTD1 AMOUNT	ISTD2 AMOUNT	ISTD3 AMOUNT	DIL1 AMOUNT	DIL2 AMOUNT
1	1.00000	1.00000	1.00000	1.00000	1.00000
2	1.00000	1.00000	1.00000	1.00000	1.00000
3	1.00000	1.00000	1.00000	1.00000	1.00000
4	1.00000	1.00000	1.00000	1.00000	1.00000

Reported on 14-JUN-1994 at 03:00
Modified on 14-JUN-1994 at 02:54

SAMPLE NUMBER	ISTD1 AMOUNT	ISTD2 AMOUNT	ISTD3 AMOUNT	DIL1 AMOUNT	DIL2 AMOUNT
5	1.00000	1.00000	1.00000	1.00000	1.00000
6	1.00000	1.00000	1.00000	1.00000	1.00000
7	1.00000	1.00000	1.00000	1.00000	1.00000
8	1.00000	1.00000	1.00000	1.00000	1.00000
9	1.00000	1.00000	1.00000	1.00000	1.00000
10	1.00000	1.00000	1.00000	1.00000	1.00000
11	1.00000	1.00000	1.00000	1.00000	1.00000
12	1.00000	1.00000	1.00000	1.00000	1.00000
13	1.00000	1.00000	1.00000	1.00000	1.00000
14	1.00000	1.00000	1.00000	1.00000	1.00000
15	1.00000	1.00000	1.00000	1.00000	1.00000
16	1.00000	1.00000	1.00000	1.00000	1.00000
17	1.00000	1.00000	1.00000	1.00000	1.00000
18	1.00000	1.00000	1.00000	1.00000	1.00000
19	1.00000	1.00000	1.00000	1.00000	1.00000
20	1.00000	1.00000	1.00000	1.00000	1.00000
21	1.00000	1.00000	1.00000	1.00000	1.00000

PROCESSING ORDER

SAMPLE NUMBER	TYPE
1	Sample
2	Standard
3	Standard
4	Standard
5	Sample
6	Standard
7	Standard
8	Standard
9	Sample
10	Sample
11	Sample
12	Sample
13	Sample
14	Sample
15	Sample
16	Sample
17	Sample
18	Sample
19	Sample
20	Sample
21	Sample

List Calibration File

CALIBRATION HEADER INFORMATION

Calibration Title : PCB 1260, DB-5MS, 0.53mm ID, 06/14/94, C. EOXHOVEN
General :
- Calibration type..... External standard
- Units..... µg/mL
- Calibration base..... Area

Reference Peak Identification :
- Reference window..... 5.0 %
- Minimum window..... 0.50 mins
- Peak threshold..... 0.0 %

Uncalibrated Peaks Response Factor :
- Response factor source..... User set response factor
- Response factor..... 0.0000

Additional Information :
- Source library..... None
- Variation tolerance..... 100.00 %

Calibrant Peak Identification :
- Calibrant window..... 0.10 mins
- Calibrant threshold..... 0.0 %

Response Factor Calibration Curve :
- Curve fit..... Quadratic
- Force through zero..... Yes
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Retention Value Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None
- RV Calculation Mode..... Use Actual Retention Times

Timed Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Peak name : TCMX
Expected retention time : 9.43 mins (RT range : 9.36 - 9.51 mins)
- Peak window mode..... Local
- Local window..... 0.15 mins
- Group name identifier..... ----
- Peak identification mode..... Nearest
- Must peak..... No
- Reference peak..... No
- Dilution peak..... No

Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.0100	1130972.7500	0
P1	0.0500	695684.1250	1
P2	0.1000	818892.0000	0
P3	0.2500	677178.8750	1
P4	0.5000	707485.2500	0
P5	1.0000	620840.0000	1

Peak name : PCB 1260
Expected retention time : 17.52 mins (RT range : 17.45 - 17.59 mins)
Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	29820.1309	0
P1	0.5000	26846.0000	1
P2	1.0000	31083.2676	0
P3	2.5000	18776.8965	1
P4	5.0000	24634.3867	0
P5	10.0000	18128.5820	1

Peak name : PCB 1260
Expected retention time : 18.24 mins (RT range : 18.17 - 18.31 mins)
Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	39454.7344	0
P1	0.5000	32588.5078	1
P2	1.0000	43061.2773	0
P3	2.5000	25245.3535	1
P4	5.0000	36635.0938	0

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Modified on 14-JUN-1994 at 10:51

Calibration level	Standard amount	Response factor	Calibration count
P5	10.0000	25460.8711	1

Peak name : PCB 1260
Expected retention time : 18.60 mins (RT range : 18.50 - 18.70 mins)

Peak window mode..... Local
Local window..... 0.20 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	433726.2813	0
P1	0.5000	16031.4922	1
P2	1.0000	627307.8750	0
P3	2.5000	12672.1367	1
P4	5.0000	652440.0625	0
P5	10.0000	13286.6641	1

Peak name : PCB 1260
Expected retention time : 19.01 mins (RT range : 18.94 - 19.08 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	24876.7988	0
P1	0.5000	31798.7461	1
P2	1.0000	42100.6797	0
P3	2.5000	22419.4297	1
P4	5.0000	37382.6641	0
P5	10.0000	23191.8320	1

Peak name : PCB 1260
Expected retention time : 19.42 mins (RT range : 19.35 - 19.49 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	15107.7061	0
P1	0.5000	22449.8574	1
P2	1.0000	27038.1094	0
P3	2.5000	14897.6123	1
P4	5.0000	23424.3242	0
P5	10.0000	15191.8535	1

Peak name : PCB 1260
Expected retention time : 19.59 mins (RT range : 19.49 - 19.69 mins)

Peak window mode..... Local
Local window..... 0.20 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	433726.2813	0
P1	0.5000	16403.0371	1
P2	1.0000	627307.8750	0
P3	2.5000	10517.6436	1
P4	5.0000	652440.0625	0
P5	10.0000	9202.8037	1

Peak name : PCB 1260
Expected retention time : 20.18 mins (RT range : 20.11 - 20.25 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No

Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	14699.2988	0
P1	0.5000	20185.8691	1
P2	1.0000	23217.2832	0
P3	2.5000	14821.7324	1
P4	5.0000	20849.2305	0
P5	10.0000	15338.0342	1

Peak name : PCB 1260
Expected retention time : 21.21 mins (RT range : 21.11 - 21.31 mins)
Peak window mode..... Local
Local window..... 0.20 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	433726.2813	0
P1	0.5000	57507.6133	1
P2	1.0000	627307.8750	0
P3	2.5000	42442.3867	1
P4	5.0000	652440.0625	0
P5	10.0000	45911.7070	1

Peak name : PCB 1260
Expected retention time : 22.38 mins (RT range : 22.28 - 22.48 mins)
Peak window mode..... Local
Local window..... 0.20 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	433726.2813	0
P1	0.5000	30196.8320	1
P2	1.0000	627307.8750	0
P3	2.5000	20048.7930	1
P4	5.0000	652440.0625	0

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Modified on 14-JUN-1994 at 10:51

Calibration level	Standard amount	Response factor	Calibration count
P5	10.0000	21833.2383	1

Peak name : PCB 1260
Expected retention time : 22.68 mins (RT range : 22.58 - 22.78 mins)

Peak window mode..... Local
Local window..... 0.20 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	433726.2813	0
P1	0.5000	15449.6504	1
P2	1.0000	627307.8750	0
P3	2.5000	11441.2773	1
P4	5.0000	652440.0625	0
P5	10.0000	12054.3066	1

Peak name : PCB 1260
Expected retention time : 22.96 mins (RT range : 22.86 - 23.06 mins)

Peak window mode..... Local
Local window..... 0.20 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	433726.2813	0
P1	0.5000	19330.5898	1
P2	1.0000	627307.8750	0
P3	2.5000	17889.2617	1
P4	5.0000	652440.0625	0
P5	10.0000	18355.4961	1

Peak name : PCB 1260
Expected retention time : 25.69 mins (RT range : 25.59 - 25.79 mins)

Peak window mode..... Local
Local window..... 0.20 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	433726.2813	0
P1	0.5000	17337.5762	1
P2	1.0000	627307.8750	0
P3	2.5000	13791.2754	1
P4	5.0000	652440.0625	0
P5	10.0000	18917.0527	1

Peak name : DCB
Expected retention time : 30.47 mins (RT range : 30.37 - 30.57 mins)

Peak window mode..... Local
Local window..... 0.20 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.0100	433726.2813	0
P1	0.0500	539768.0625	1
P2	0.1000	627307.8750	0
P3	0.2500	578888.5000	1
P4	0.5000	652440.0625	0
P5	1.0000	646337.5625	1

List Calibration File

CALIBRATION HEADER INFORMATION

Calibration Title : PCB 1260, DB-1701, 0.53mm ID, 06/14/94, C. FOXHOVEN
General :
- Calibration type..... External standard
- Units..... µg/mL
- Calibration base..... Area

Reference Peak Identification :
- Reference window..... 5.0 %
- Minimum window..... 0.50 mins
- Peak threshold..... 0.0 %

Uncalibrated Peaks Response Factor :
- Response factor source..... User set response factor
- Response factor..... 0.0000

Additional Information :
- Source library..... None
- Variation tolerance..... 100.00 %

Calibrant Peak Identification :
- Calibrant window..... 0.10 mins
- Calibrant threshold..... 0.0 %

Response Factor Calibration Curve :
- Curve fit..... Quadratic
- Force through zero..... Yes
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Retention Value Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None
- RV Calculation Mode..... Use Actual Retention Times

Timed Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Peak name : TCMX
Expected retention time : 8.14 mins (RT range : 8.09 - 8.19 mins)
- Peak window mode..... Local
- Local window..... 0.10 mins
- Group name identifier..... ----
- Peak identification mode..... Nearest
- Must peak..... No
- Reference peak..... No
- Dilution peak..... No

Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.0100	866876.5000	0
P1	0.0500	301267.6250	1
P2	0.1000	435875.1875	0
P3	0.2500	302629.6875	1
P4	0.5000	394154.7500	0
P5	1.0000	292221.8125	1

Peak name : PCB 1260-1
Expected retention time : 15.69 mins (RT range : 15.62 - 15.76 mins)
Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	50538.7070	0
P1	0.5000	3346.9031	1
P2	1.0000	21357.6719	0
P3	2.5000	5129.3711	1
P4	5.0000	19744.6211	0
P5	10.0000	4913.7837	1

Peak name : PCB 1260-2
Expected retention time : 16.08 mins (RT range : 16.01 - 16.15 mins)
Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	22285.0371	0
P1	0.5000	9317.9150	1
P2	1.0000	11730.3359	0
P3	2.5000	7305.6084	1
P4	5.0000	11720.0830	0

Calibration level	Standard amount	Response factor	Calibration count
P5	10.0000	7701.2783	1

Peak name : PCB 1260-3
Expected retention time : 16.72 mins (RT range : 16.65 - 16.79 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	47737.4414	0
P1	0.5000	9246.1250	1
P2	1.0000	20437.5918	0
P3	2.5000	7359.2876	1
P4	5.0000	19327.1367	0
P5	10.0000	8402.6367	1

Peak name : PCB 1260-4
Expected retention time : 17.18 mins (RT range : 17.11 - 17.25 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	35808.4531	0
P1	0.5000	4320.4644	1
P2	1.0000	15849.8496	0
P3	2.5000	5042.1353	1
P4	5.0000	16940.0820	0
P5	10.0000	5693.2588	1

Peak name : PCB 1260-5
Expected retention time : 17.75 mins (RT range : 17.68 - 17.82 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	42054.6563	0
P1	0.5000	5728.5186	1
P2	1.0000	46268.4922	0
P3	2.5000	8729.6523	1
P4	5.0000	48456.3203	0
P5	10.0000	9555.8906	1

Peak name : PCB 1260-6
Expected retention time : 18.60 mins (RT range : 18.53 - 18.67 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	441915.3438	0
P1	0.5000	6200.9360	1
P2	1.0000	404931.5938	0
P3	2.5000	6266.4053	1
P4	5.0000	419301.5000	0
P5	10.0000	7415.4658	1

Peak name : PCB 1260-7
Expected retention time : 19.42 mins (RT range : 19.35 - 19.49 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No

Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	441915.3438	0
P1	0.5000	19847.6953	1
P2	1.0000	404931.5938	0
P3	2.5000	25016.7637	1
P4	5.0000	419301.5000	0
P5	10.0000	27470.7090	1

Peak name : PCB 1260-8
Expected retention time : 20.32 mins (RT range : 20.25 - 20.39 mins)
Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	441915.3438	0
P1	0.5000	3525.3818	1
P2	1.0000	404931.5938	0
P3	2.5000	3414.6211	1
P4	5.0000	419301.5000	0
P5	10.0000	4136.4473	1

Peak name : PCB 1260-9
Expected retention time : 20.52 mins (RT range : 20.45 - 20.59 mins)
Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	441915.3438	0
P1	0.5000	16163.9033	1
P2	1.0000	404931.5938	0
P3	2.5000	23180.2695	1
P4	5.0000	419301.5000	0

Calibration level	Standard amount	Response factor	Calibration count
P5	10.0000	25845.0527	1

Peak name : PCB 1260-10
Expected retention time : 22.98 mins (RT range : 22.91 - 23.05 mins)

Peak window mode..... Local
Local window..... 0.14 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.1000	441915.3438	0
P1	0.5000	5205.7036	1
P2	1.0000	404931.5938	0
P3	2.5000	7945.3062	1
P4	5.0000	419301.5000	0
P5	10.0000	8347.2549	1

Peak name : DCB
Expected retention time : 25.02 mins (RT range : 24.92 - 25.12 mins)

Peak window mode..... Local
Local window..... 0.20 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
P0	0.0100	441915.3438	0
P1	0.0500	153585.6094	1
P2	0.1000	404931.5938	0
P3	0.2500	197345.1719	1
P4	0.5000	419301.5000	0
P5	1.0000	230160.2188	1

Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 13-JUN-1994 at 23:31
Channel 026 Acquired on 14-JUN-1994 at 00:01

Lims Id	: P60-0614	Lims Id	: P60-0614
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846	Comment	:
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080			
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: HEXANE	Sample Name	: HEXANE
Sample Id	:	Sample Id	:
Bottle No	: 1	Bottle No	: 1

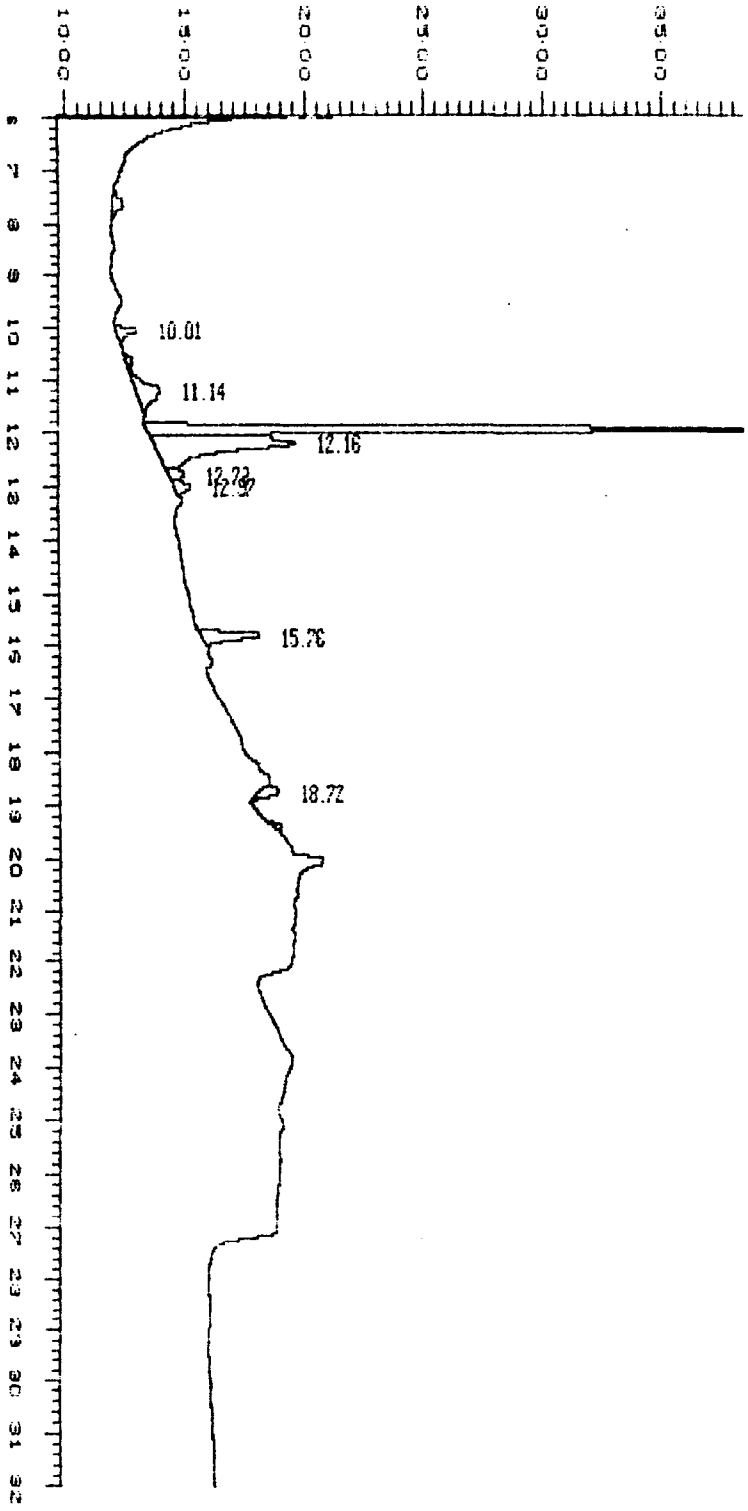
RT(real/expected)	Peak Name	Amount/Area	RT(real/expected)	Peak Name	Amount/Area
5.681 /0.000		0.0000 /15084	1.174 /0.000		0.0000 /1252
10.010 /0.000		0.0000 /6093			
11.143 /0.000		0.0000 /21851			
11.899 /0.000		0.0000 /147412			
12.157 /0.000		0.0000 /89572			
12.734 /0.000		0.0000 /5836			
12.970 /0.000		0.0000 /5091			
15.757 /0.000		0.0000 /18148			
18.721 /0.000		0.0000 /7817			

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1494,1,1

HEXANE. Amount : 1.000.

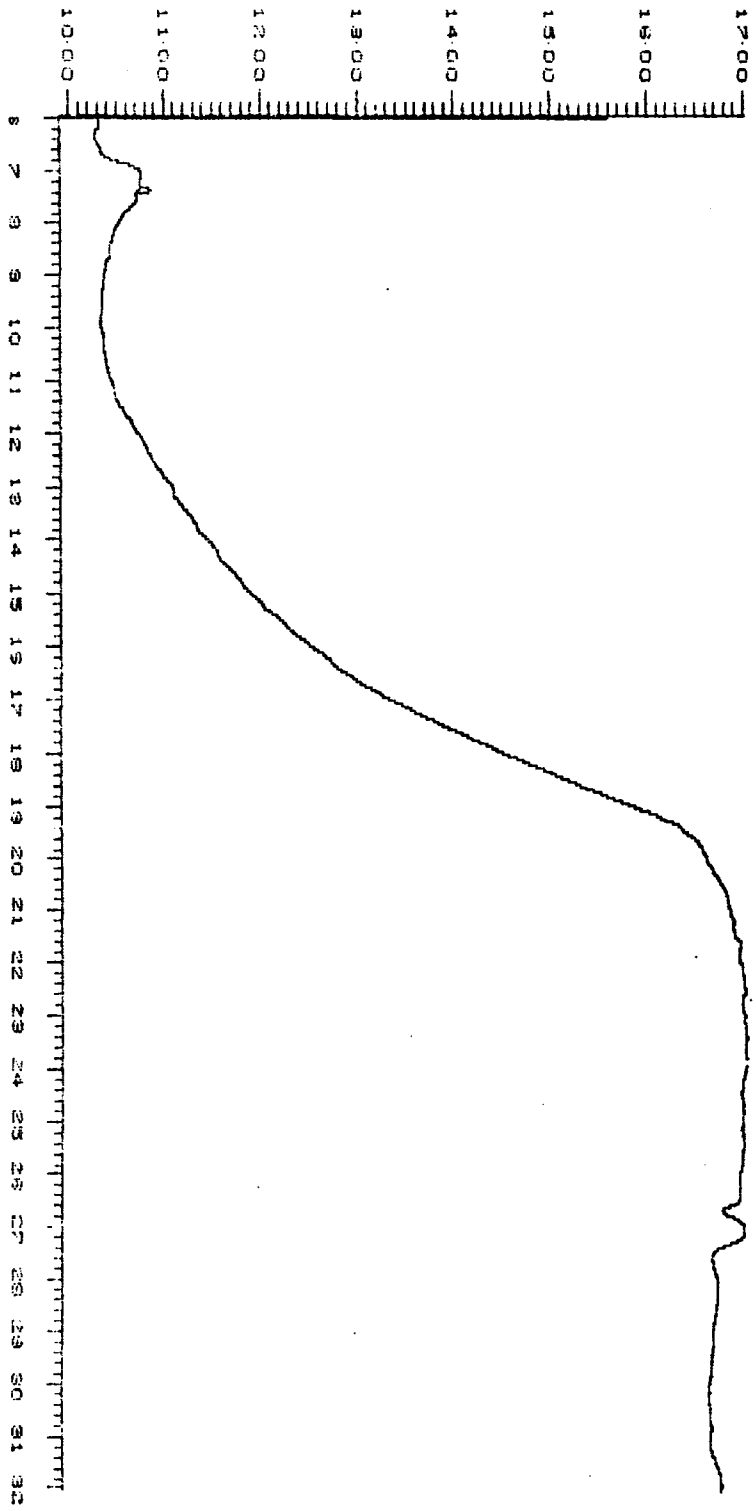
Acquired on 13-JUN-1994 at 23:21
Reported on 17-JUN-1994 at 15:24
Box 1 (of 1)



[DEFPROJECT] 26 JUN1494,1,1

HEXANE. Amount : 1.000.

Acquired on 14-JUN-1994 at 00:01
Reported on 17-JUN-1994 at 15:24
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 14-JUN-1994 at 00:01
Channel 026 Acquired on 14-JUN-1994 at 00:42

Lims Id	: P60-0614	Lims Id	: P60-0614
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 8080	Comment	:
	HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080		
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: PCB 1016/1260-1 (LOW)	Sample Name	: PCB 1016/1260-1 (LOW)
Sample Id	: 505-022-4	Sample Id	: 505-022-4
Bottle No	: 13	Bottle No	: 13

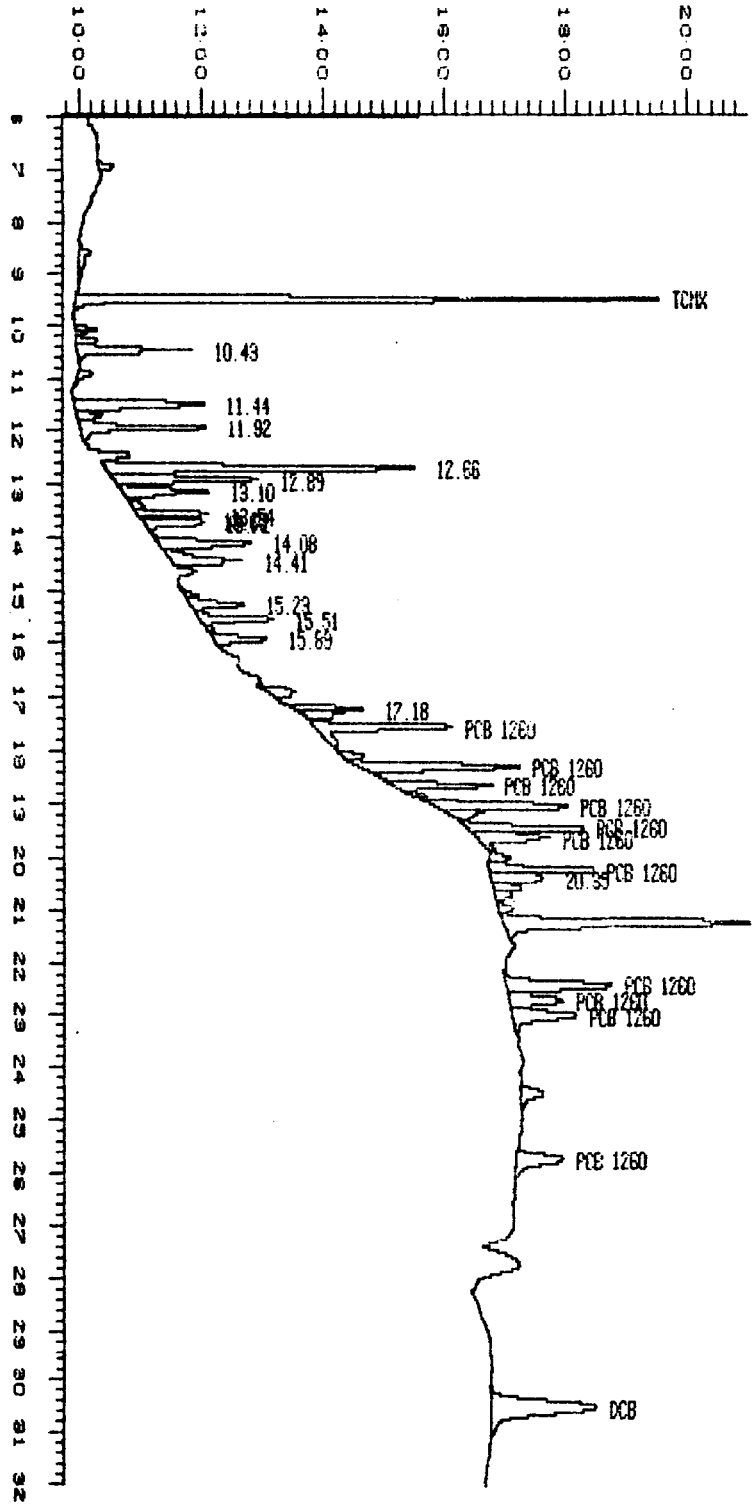
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.246	/0.000		0.0000	/4324	1.174	/0.000		0.0000	/2168
9.432	/9.434	TCMX	0.0502	/34784	8.134	/8.136	TCMX	0.0494	/15063
10.432	/0.000		0.0000	/7552	9.530	/0.000		0.0000	/2743
11.437	/0.000		0.0000	/13074	10.423	/0.000		0.0000	/4869
11.917	/0.000		0.0000	/11398	10.886	/0.000		0.0000	/1177
12.663	/0.000		0.0000	/25975	10.997	/0.000		0.0000	/2012
12.886	/0.000		0.0000	/12103	11.543	/0.000		0.0000	/8546
13.103	/0.000		0.0000	/8137	11.859	/0.000		0.0000	/3882
13.543	/0.000		0.0000	/5566	12.121	/0.000		0.0000	/2660
13.650	/0.000		0.0000	/4047	12.414	/0.000		0.0000	/5232
13.717	/0.000		0.0000	/4722	13.001	/0.000		0.0000	/3165
14.077	/0.000		0.0000	/10516	13.237	/0.000		0.0000	/2109
14.414	/0.000		0.0000	/7046	14.006	/0.000		0.0000	/2088
15.232	/0.000		0.0000	/4798	15.690	/15.682	PCB 1260-1	0.3205	/1673
15.508	/0.000		0.0000	/6409	16.086	/16.081	PCB 1260-2	0.6353	/4659
15.890	/0.000		0.0000	/4724	16.721	/16.717	PCB 1260-3	0.6535	/4623
17.183	/0.000		0.0000	/8838	17.188	/17.183	PCB 1260-4	0.4472	/2160
17.521	/17.521	PCB 1260	0.6919	/13423	17.663	/0.000		0.0000	/2987
18.246	/18.242	PCB 1260	0.6357	/16204	17.748	/17.747	PCB 1260-5	0.3442	/2864
18.601	/18.601	PCB 1260	0.6297	/8016	17.861	/0.000		0.0000	/1128
19.006	/19.006	PCB 1260	0.6973	/15899	18.606	/18.601	PCB 1260-6	0.5187	/3100
19.423	/19.422	PCB 1260	0.7347	/11225	18.739	/0.000		0.0000	/1314
19.592	/19.592	PCB 1260	0.7353	/8202	19.423	/19.419	PCB 1260-7	0.4125	/9924
20.183	/20.183	PCB 1260	0.6719	/10093	20.321	/20.320	PCB 1260-8	0.5433	/1763
20.352	/0.000		0.0000	/6228	20.526	/20.521	PCB 1260-9	0.3669	/8084
21.214	/21.214	PCB 1260	0.6758	/28754	22.988	/22.980	PCB 1260-10	0.3395	/2603
22.383	/22.380	PCB 1260	0.7453	/15098	25.032	/25.023	DCB	0.0413	/7679
22.672	/22.676	PCB 1260	0.6694	/7725					
22.957	/22.958	PCB 1260	0.5411	/9668					
25.681	/25.691	PCB 1260	0.6754	/8669					
30.463	/30.471	DCB	0.0482	/26908					

Huntingdon VAX multichrom V2.0

[DEEPROJECT] 25 JUN1494,2,1

PCB 1016/1260-1 (LOW). Amount : 1.000.

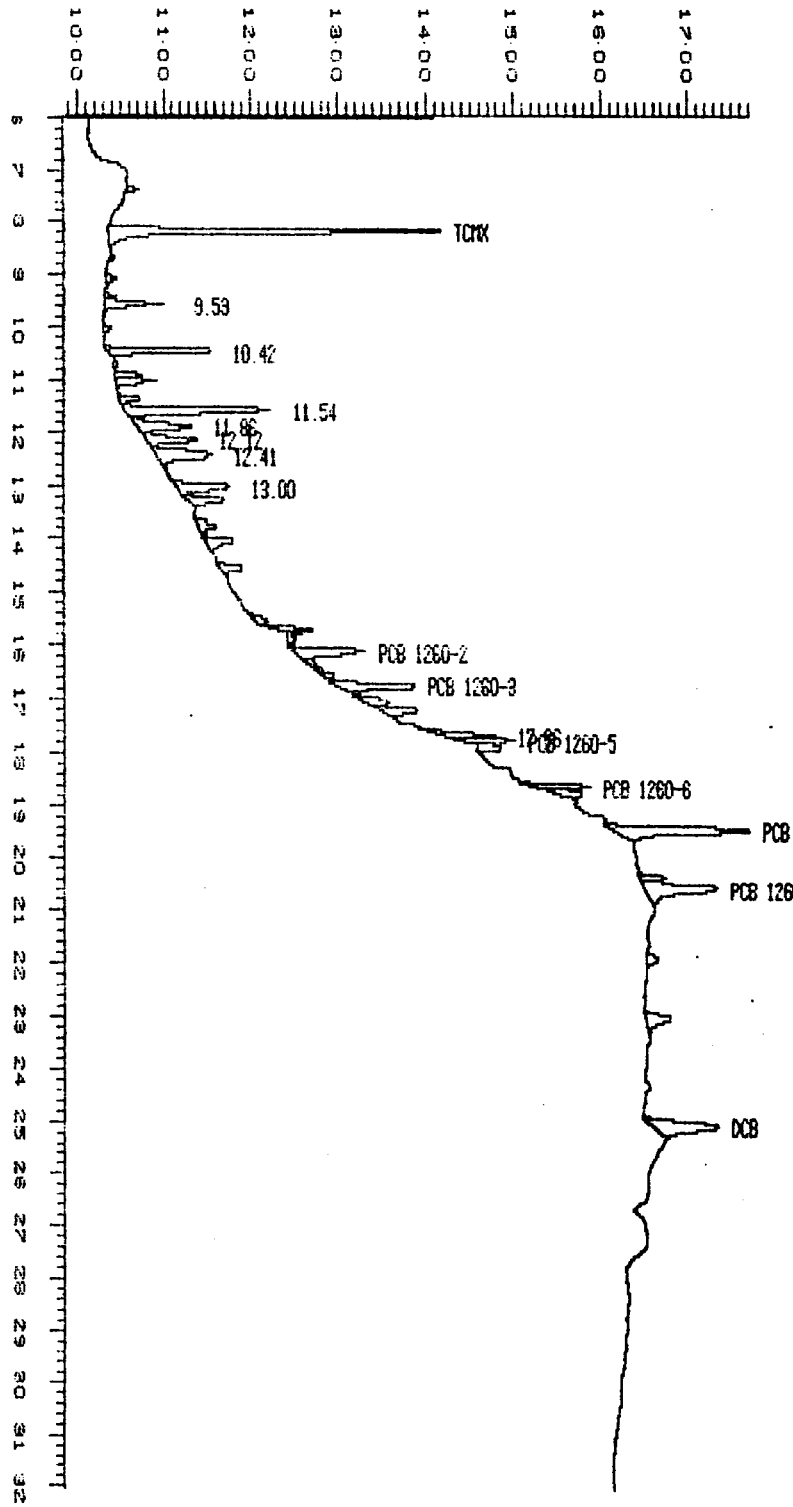
Acquired on 14-JUN-1994 at 00:01
Reported on 17-JUN-1994 at 15:25
Box 1 (of 1)



[DEEPROJECT] 26 JUN1494,2,1

PCB 1016/1260-1 (LOW). Amount : 1.000.

Acquired on 14-JUN-1994 at 00:42
Reported on 17-JUN-1994 at 15:25
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 14-JUN-1994 at 00:42
Channel 026 Acquired on 14-JUN-1994 at 01:22

Lims Id	: P60-0614	Lims Id	: P60-0614
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846	Comment	:
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080			
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: PCB 1016/1260-3 (MID)	Sample Name	: PCB 1016/1260-3 (MID)
Sample Id	: 505-D22-2	Sample Id	: 505-D22-2
Bottle No	: 14	Bottle No	: 14

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.237	/0.000		0.0000	/4206	1.179	/0.000		0.0000	/2043
9.432	/9.434	TCMX	0.2499	/169295	8.139	/8.136	TCMX	0.2502	/75657
10.032	/0.000		0.0000	/7696	8.561	/0.000		0.0000	/2462
10.152	/0.000		0.0000	/3200	8.650	/0.000		0.0000	/7820
10.268	/0.000		0.0000	/7943	9.041	/0.000		0.0000	/4164
10.437	/0.000		0.0000	/33982	9.161	/0.000		0.0000	/2718
10.877	/0.000		0.0000	/6735	9.392	/0.000		0.0000	/3681
11.437	/0.000		0.0000	/46893	9.534	/0.000		0.0000	/14285
11.686	/0.000		0.0000	/4191	10.001	/0.000		0.0000	/2484
11.912	/0.000		0.0000	/37250	10.428	/0.000		0.0000	/21877
12.423	/0.000		0.0000	/13453	10.606	/0.000		0.0000	/1615
12.663	/0.000		0.0000	/92682	10.690	/0.000		0.0000	/2467
12.886	/0.000		0.0000	/45797	10.894	/0.000		0.0000	/6249
13.103	/0.000		0.0000	/37369	11.001	/0.000		0.0000	/10098
13.397	/0.000		0.0000	/4841	11.334	/0.000		0.0000	/4410
13.543	/0.000		0.0000	/20671	11.548	/0.000		0.0000	/33188
13.650	/0.000		0.0000	/17102	11.863	/0.000		0.0000	/17847
13.717	/0.000		0.0000	/20305	12.121	/0.000		0.0000	/13166
14.072	/0.000		0.0000	/40368	12.419	/0.000		0.0000	/28735
14.410	/0.000		0.0000	/38938	13.006	/0.000		0.0000	/15386
14.606	/0.000		0.0000	/10701	13.246	/0.000		0.0000	/15227
15.077	/0.000		0.0000	/3344	14.010	/0.000		0.0000	/8763
15.232	/0.000		0.0000	/22025	14.499	/0.000		0.0000	/4776
15.886	/0.000		0.0000	/16162	15.494	/0.000		0.0000	/3235
16.628	/0.000		0.0000	/2520	15.694	/15.689	PCB 1260-1	2.5438	/12823
16.872	/0.000		0.0000	/15460	15.850	/0.000		0.0000	/6487
17.183	/0.000		0.0000	/21769	16.086	/16.081	PCB 1260-2	2.4664	/18264
17.303	/0.000		0.0000	/12290	16.534	/0.000		0.0000	/1714
17.521	/17.521	PCB 1260	2.4501	/46942	16.721	/16.717	PCB 1260-3	2.4668	/18398
17.797	/0.000		0.0000	/3333	17.046	/0.000		0.0000	/9255
18.050	/0.000		0.0000	/5654	17.188	/17.183	PCB 1260-4	2.5124	/12605
18.241	/18.242	PCB 1260	2.4655	/63113	17.668	/0.000		0.0000	/20106

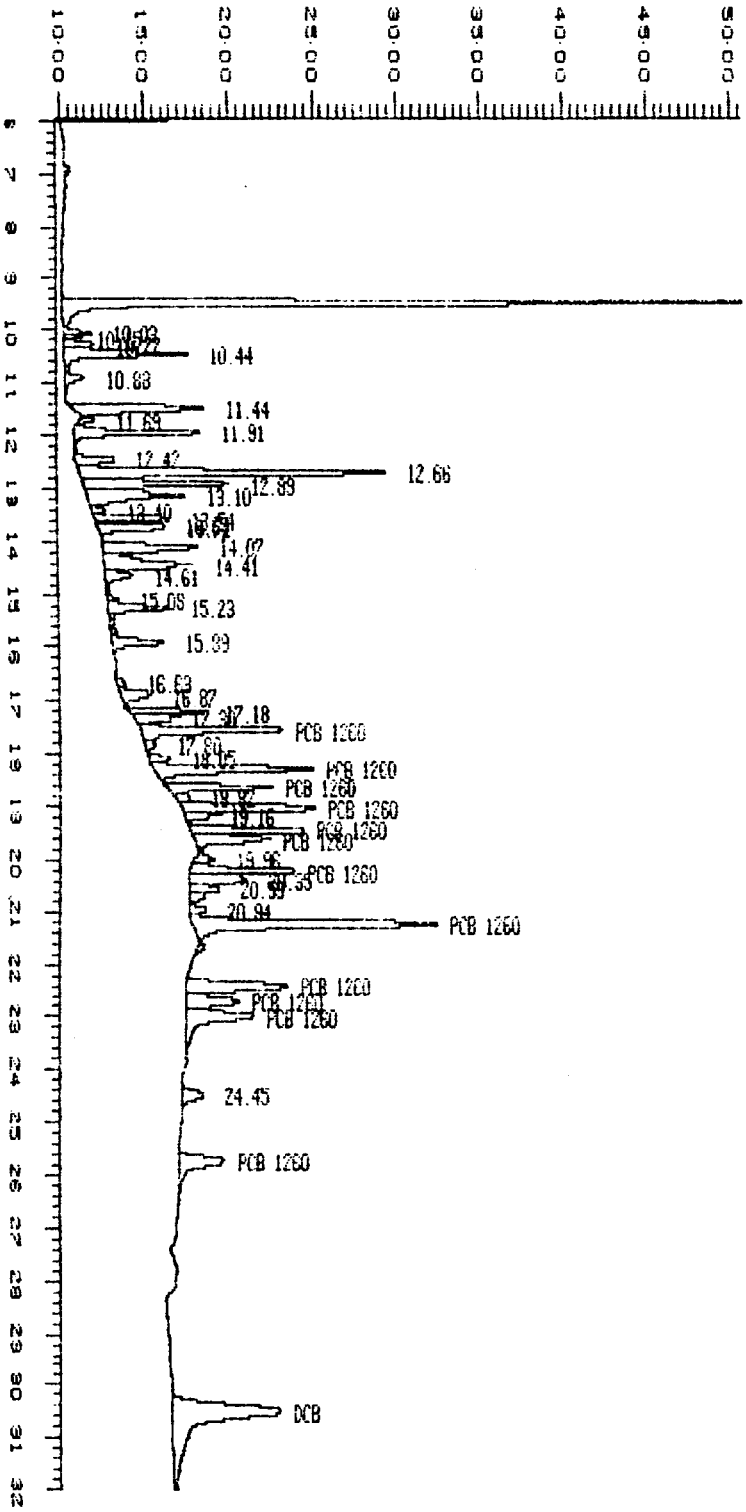
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
18.601	/18.601	PCB 1260	2.4677	/31680	17.752	/17.747	PCB 1260-5	2.5371	/21824
18.819	/0.000		0.0000	/2382	17.881	/0.000		0.0000	/21400
19.006	/19.006	PCB 1260	2.4504	/56049	18.299	/0.000		0.0000	/3718
19.157	/0.000		0.0000	/7340	18.606	/18.601	PCB 1260-6	2.4957	/15666
19.419	/19.422	PCB 1260	2.4404	/37244	18.743	/0.000		0.0000	/11498
19.592	/19.592	PCB 1260	2.4358	/26294	18.859	/0.000		0.0000	/9386
19.957	/0.000		0.0000	/5803	19.214	/0.000		0.0000	/2701
20.183	/20.183	PCB 1260	2.4568	/37054	19.423	/19.419	PCB 1260-7	2.5209	/62542
20.352	/0.000		0.0000	/24163	20.326	/20.320	PCB 1260-8	2.4901	/8537
20.526	/0.000		0.0000	/11713	20.526	/20.521	PCB 1260-9	2.5314	/57951
20.943	/0.000		0.0000	/13496	21.859	/0.000		0.0000	/4329
21.214	/21.214	PCB 1260	2.4568	/106106	22.983	/22.980	PCB 1260-10	2.5392	/19863
22.379	/22.380	PCB 1260	2.4397	/50122	25.032	/25.023	DCB	0.2520	/49336
22.677	/22.676	PCB 1260	2.4578	/28603					
22.961	/22.958	PCB 1260	2.4897	/44723					
24.450	/0.000		0.0000	/12632					
25.694	/25.691	PCB 1260	2.4626	/34478					
30.477	/30.471	DCB	0.2504	/144722					

Huntingdon VAX Multichrom V2.0

[DEEPROJECT] 25 JUN1494,3,1

PCB 1016/1260-3 (MID). Amount : 1.000.

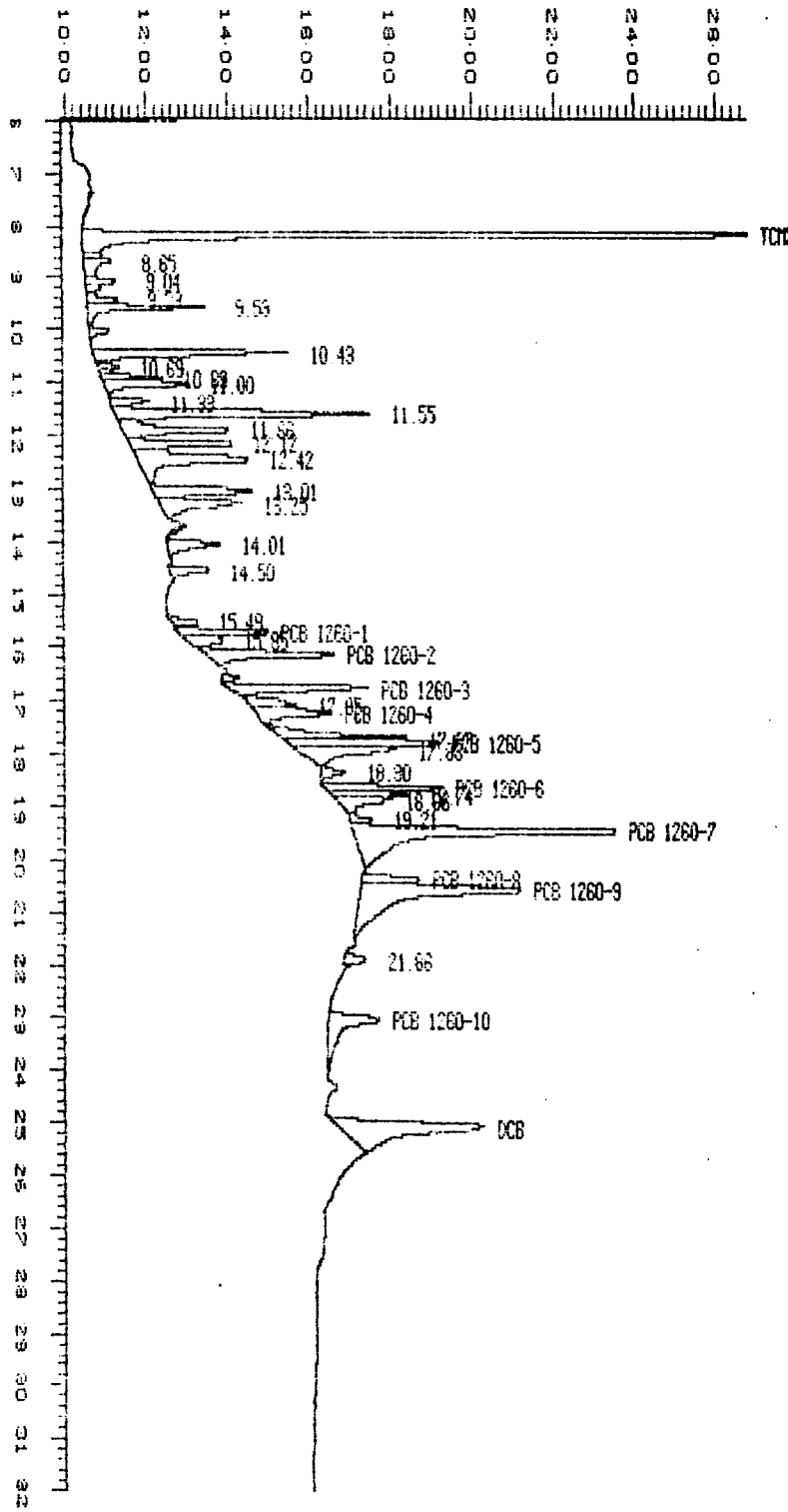
Acquired on 14-JUN-1994 at 00:42
Reported on 17-JUN-1994 at 15:25
Box 1 (of 1)



[DEEPROJECT] 26 JUN1494,3,1

PCB 1016/1260-3 (MID). Amount : 1.000.

Acquired on 14-JUN-1994 at 01:22
Reported on 17-JUN-1994 at 15:25
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 14-JUN-1994 at 01:22
Channel 026 Acquired on 14-JUN-1994 at 02:02

Lims Id	: P60-0614	Lims Id	: P60-0614
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 8080	Comment	: HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: PCB 1016/1260-5 (HIGH)	Sample Name	: PCB 1016/1260-5 (HIGH)
Sample Id	: 505-26-1	Sample Id	: 505-26-1
Bottle No	: 15	Bottle No	: 15

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.246	/0.000		0.0000	/4686	1.174	/0.000		0.0000	/2348
6.868	/0.000		0.0000	/4921	5.557	/0.000		0.0000	/1876
9.437	/9.434	TCMX	1.0000	/620840	8.134	/8.136	TCMX	1.0000	/292222
10.037	/0.000		0.0000	/25956	8.557	/0.000		0.0000	/10063
10.157	/0.000		0.0000	/10468	8.646	/0.000		0.0000	/30618
10.272	/0.000		0.0000	/25364	9.032	/0.000		0.0000	/16947
10.441	/0.000		0.0000	/106134	9.157	/0.000		0.0000	/11602
10.881	/0.000		0.0000	/14233	9.388	/0.000		0.0000	/15613
11.441	/0.000		0.0000	/163351	9.530	/0.000		0.0000	/57820
11.690	/0.000		0.0000	/10928	9.997	/0.000		0.0000	/10879
11.917	/0.000		0.0000	/131340	10.419	/0.000		0.0000	/83069
12.259	/0.000		0.0000	/2801	10.601	/0.000		0.0000	/7532
12.428	/0.000		0.0000	/50135	10.686	/0.000		0.0000	/11672
12.668	/0.000		0.0000	/327788	10.779	/0.000		0.0000	/6318
12.890	/0.000		0.0000	/127240	10.886	/0.000		0.0000	/29182
13.108	/0.000		0.0000	/108111	10.997	/0.000		0.0000	/50536
13.401	/0.000		0.0000	/6164	11.326	/0.000		0.0000	/29988
13.543	/0.000		0.0000	/37610	11.539	/0.000		0.0000	/152309
13.650	/0.000		0.0000	/8426	11.854	/0.000		0.0000	/95238
14.077	/0.000		0.0000	/126811	12.117	/0.000		0.0000	/73899
14.414	/0.000		0.0000	/109248	12.410	/0.000		0.0000	/171117
14.610	/0.000		0.0000	/20613	12.997	/0.000		0.0000	/95367
15.077	/0.000		0.0000	/5416	13.237	/0.000		0.0000	/121857
15.237	/0.000		0.0000	/68281	13.654	/0.000		0.0000	/30315
15.717	/0.000		0.0000	/5657	13.770	/0.000		0.0000	/26510
15.890	/0.000		0.0000	/51512	14.006	/0.000		0.0000	/71076
16.632	/0.000		0.0000	/7475	14.330	/0.000		0.0000	/13104
16.806	/0.000		0.0000	/2410	14.494	/0.000		0.0000	/38528
17.188	/0.000		0.0000	/85081	14.686	/0.000		0.0000	/16874
17.303	/0.000		0.0000	/48030	15.486	/0.000		0.0000	/14780
17.521	/17.521	PCB 1260	10.0030	/181286	15.686	/15.689	PCB 1260-1	9.9976	/49138
17.806	/0.000		0.0000	/12387	15.846	/0.000		0.0000	/26535

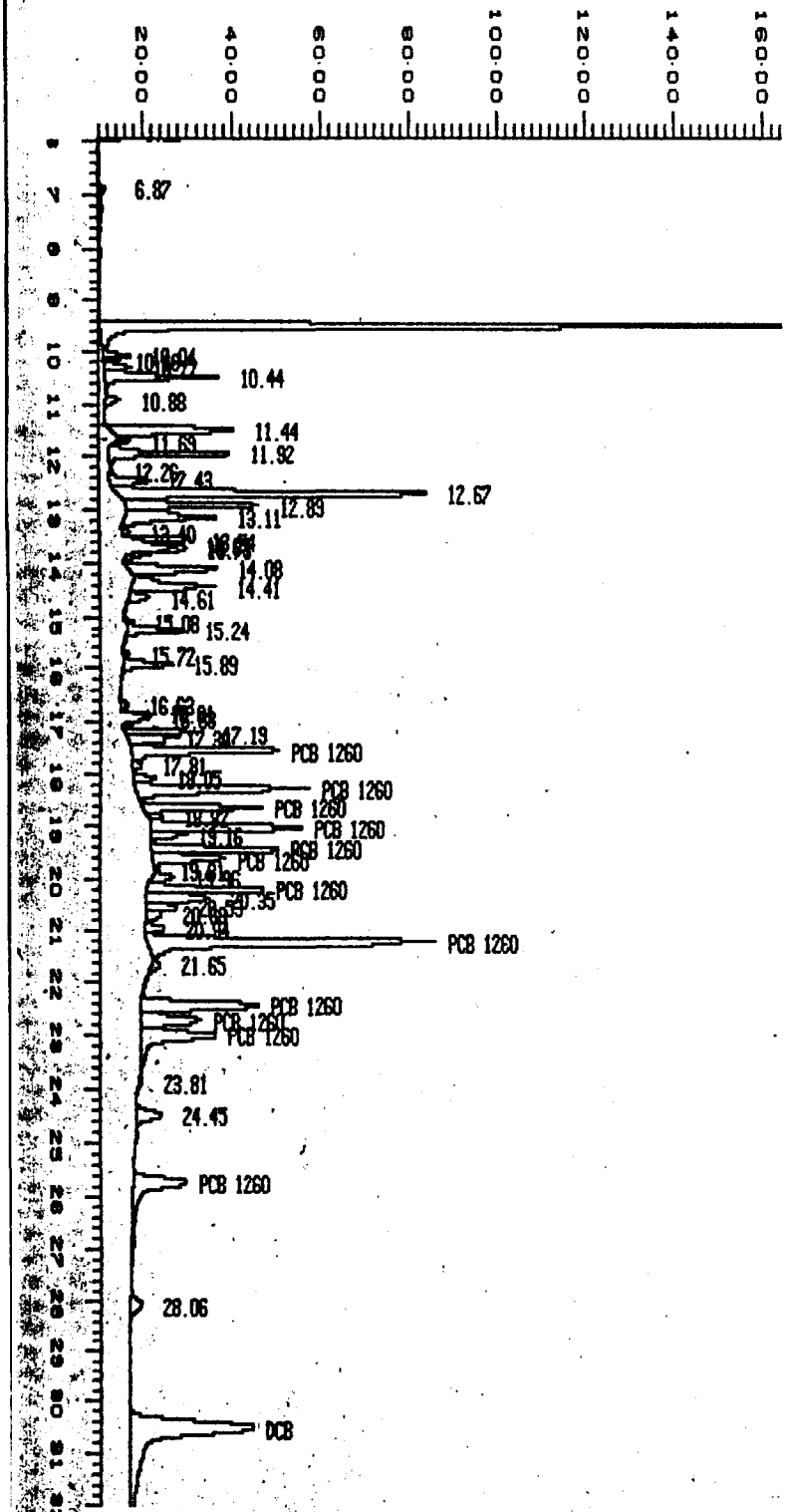
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
18.050	/0.000		0.0000	/22552	16.077	/16.081	PCB 1260-2	10.0016	/77013
18.241	/18.242	PCB 1260	10.0018	/254609	16.397	/0.000		0.0000	/2644
18.601	/18.601	PCB 1260	10.0016	/132867	16.526	/0.000		0.0000	/8332
18.823	/0.000		0.0000	/10630	16.712	/16.717	PCB 1260-3	10.0014	/84026
19.006	/19.006	PCB 1260	10.0025	/231918	17.037	/0.000		0.0000	/42545
19.161	/0.000		0.0000	/30177	17.179	/17.183	PCB 1260-4	9.9995	/56933
19.423	/19.422	PCB 1260	10.0032	/151919	17.654	/0.000		0.0000	/105732
19.592	/19.592	PCB 1260	10.0049	/92028	17.743	/17.747	PCB 1260-5	9.9984	/95559
19.806	/0.000		0.0000	/4046	17.872	/0.000		0.0000	/81835
19.957	/0.000		0.0000	/24551	18.290	/0.000		0.0000	/17903
20.183	/20.183	PCB 1260	10.0022	/153380	18.597	/18.601	PCB 1260-6	10.0002	/74155
20.352	/0.000		0.0000	/96886	18.734	/0.000		0.0000	/48441
20.530	/0.000		0.0000	/48494	18.854	/0.000		0.0000	/35751
20.677	/0.000		0.0000	/29949	19.206	/0.000		0.0000	/15174
20.943	/0.000		0.0000	/26403	19.414	/19.419	PCB 1260-7	9.9991	/274707
21.214	/21.214	PCB 1260	10.0020	/459117	20.152	/0.000		0.0000	/981
21.646	/0.000		0.0000	/7614	20.317	/20.320	PCB 1260-8	10.0004	/41364
22.379	/22.380	PCB 1260	10.0028	/218332	20.517	/20.521	PCB 1260-9	9.9987	/258451
22.677	/22.676	PCB 1260	10.0021	/120543	21.850	/0.000		0.0000	/28509
22.957	/22.958	PCB 1260	10.0005	/183555	22.974	/22.980	PCB 1260-10	9.9982	/83473
23.814	/0.000		0.0000	/3499	24.263	/0.000		0.0000	/14783
24.454	/0.000		0.0000	/54333	25.014	/25.023	DCB	0.9999	/230160
25.694	/25.691	PCB 1260	10.0012	/189171					
28.063	/0.000		0.0000	/38263					
30.472	/30.471	DCB	1.0000	/646338					

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1494,4,1

PCB 1016/1260-5 (HIGH). Amount : 1.000.

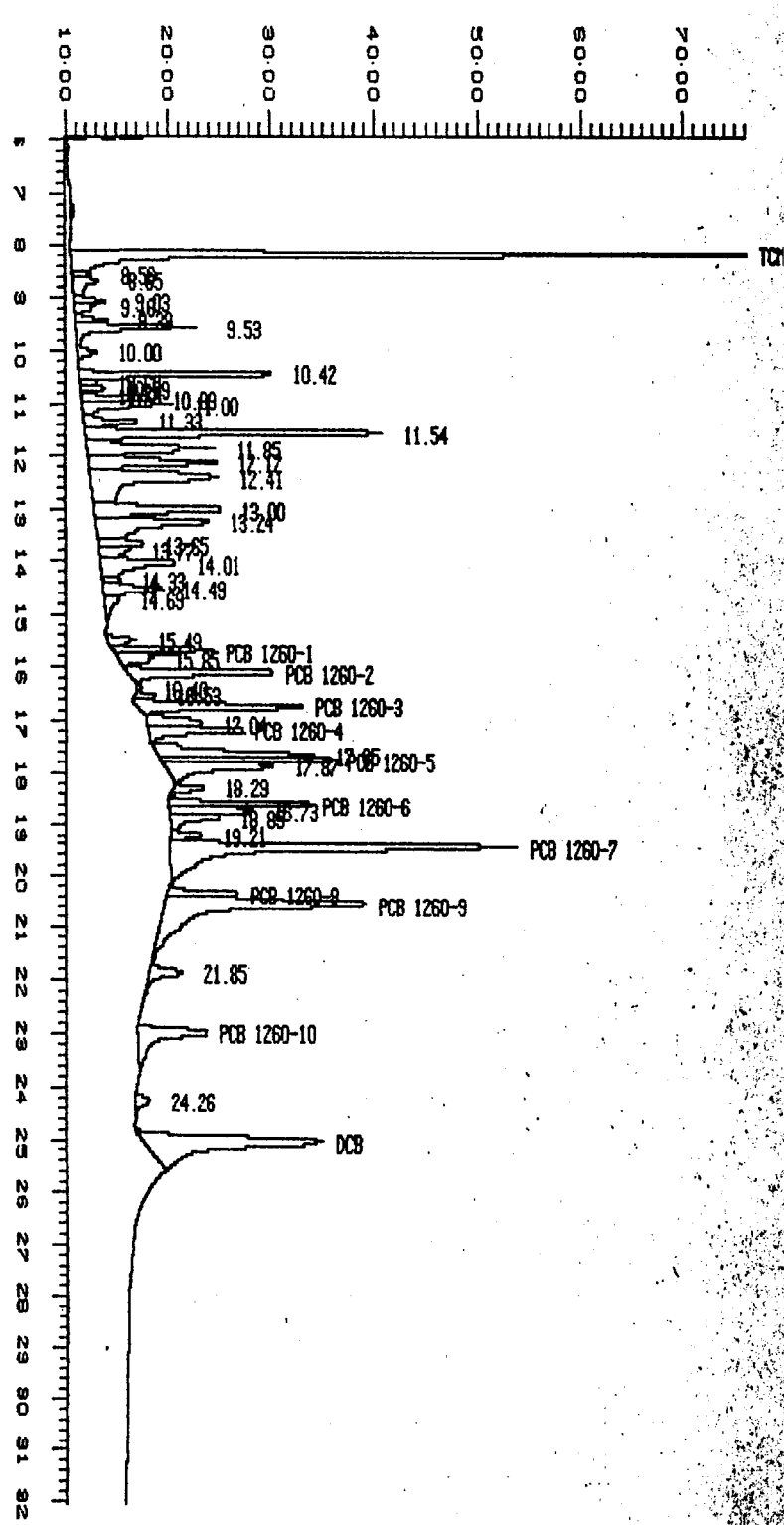
Acquired on 14-JUN-1994 at 01:22
Reported on 17-JUN-1994 at 15:25
Box 1 (of 1)



[DEFPROJECT] 26 JUN1494,4,1

PCB 1016/1260-5 (HIGH). Amount : 1.000.

Acquired on 14-JUN-1994 at 02:02
Reported on 17-JUN-1994 at 15:25
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 14-JUN-1994 at 02:02
Channel 026 Acquired on 14-JUN-1994 at 02:42

Lims Id	: P60-0614	Lims Id	: P60-0614
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846	Comment	: HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: PCB 1016/1260 2ND SOURCE 5.0 UG/ML	Sample Name	: PCB 1016/1260 2ND SOURCE 5.0 UG/ML
Sample Id	: 505-22-1	Sample Id	: 505-22-1
Bottle No	: 16	Bottle No	: 16

RT(real/expected)		Peak Name		Amount/Area		RT(real/expected)		Peak Name		Amount/Area	
6.859	/0.000			0.0000	/2896	1.286	/0.000			0.0000	/3403
9.432	/9.434	TCMX	102%	0.5093	/335041	5.561	/0.000			0.0000	/936
10.152	/0.000			0.0000	/12284	8.139	/8.136	TCMX	106%	0.5313	/158655
15.237	/0.000			0.0000	/36927	9.166	/0.000			0.0000	/1610
15.717	/0.000			0.0000	/6250	12.361	/0.000			0.0000	/2361
15.890	/0.000			0.0000	/50439	14.010	/0.000			0.0000	/20077
16.632	/0.000			0.0000	/11026	14.343	/0.000			0.0000	/2111
16.877	/0.000			0.0000	/45730	14.503	/0.000			0.0000	/18990
17.183	/0.000			0.0000	/39650	15.490	/0.000			0.0000	/11983
17.303	/0.000			0.0000	/25903	15.694	/15.689	PCB 1260-1		6.5257	/32457
17.521	/17.521	PCB 1260		4.5235	/85382	15.854	/0.000			0.0000	/15153
17.654	/0.000			0.0000	/13753	16.090	/16.081	PCB 1260-2		5.7179	/43069
17.801	/0.000			0.0000	/7760	16.401	/0.000			0.0000	/4090
18.050	/0.000			0.0000	/12585	16.539	/0.000			0.0000	/5162
18.241	/18.242	PCB 1260		5.3614	/136949	16.721	/16.717	PCB 1260-3		6.0637	/47954
18.601	/18.601	PCB 1260		4.7853	/62091	17.050	/0.000			0.0000	/23913
18.819	/0.000			0.0000	/5381	17.192	/17.183	PCB 1260-4		5.9188	/31517
19.006	/19.006	PCB 1260		6.0066	/138277	17.668	/0.000			0.0000	/71396
19.419	/19.422	PCB 1260		4.6515	/70887	17.748	/17.747	PCB 1260-5		4.7568	/42270
19.592	/19.592	PCB 1260		3.5745	/37727	17.881	/0.000			0.0000	/39064
19.810	/0.000			0.0000	/5159	18.299	/0.000			0.0000	/7134
19.957	/0.000			0.0000	/7302	18.610	/18.601	PCB 1260-6		5.0817	/33892
20.179	/20.183	PCB 1260		4.0721	/61636	18.748	/0.000			0.0000	/19252
20.348	/0.000			0.0000	/39904	18.863	/0.000			0.0000	/10913
20.526	/0.000			0.0000	/20843	19.223	/0.000			0.0000	/8934
20.654	/0.000			0.0000	/18995	19.423	/19.419	PCB 1260-7		4.5549	/116305
20.943	/0.000			0.0000	/10928	20.330	/20.320	PCB 1260-8		4.6549	/16908
21.210	/21.214	PCB 1260		4.2279	/185290	20.530	/20.521	PCB 1260-9		4.9358	/117692
21.646	/0.000			0.0000	/2519	21.859	/0.000			0.0000	/13887
22.379	/22.380	PCB 1260		4.7482	/99407	22.988	/22.980	PCB 1260-10		4.5911	/36580
22.672	/22.676	PCB 1260		4.1137	/48248	24.272	/0.000	$\bar{x}$ = 5.28		0.0000	/6201
22.957	/22.958	PCB 1260		4.4837	/81007	25.028	/25.023	DCB	109%	0.5466	/114419

$\frac{5.28}{5.00}$ = 106%

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)	Peak Name	Amount/Area
24.450	/0.000		0.0000	/19878			
25.690	/25.691	PCB 1260	4.8589	/75618			
28.054	/0.000	$\bar{x}$ = 4.62	0.0000	/20761			
30.463	/30.471	DCB	0.3071	/179085			

6%

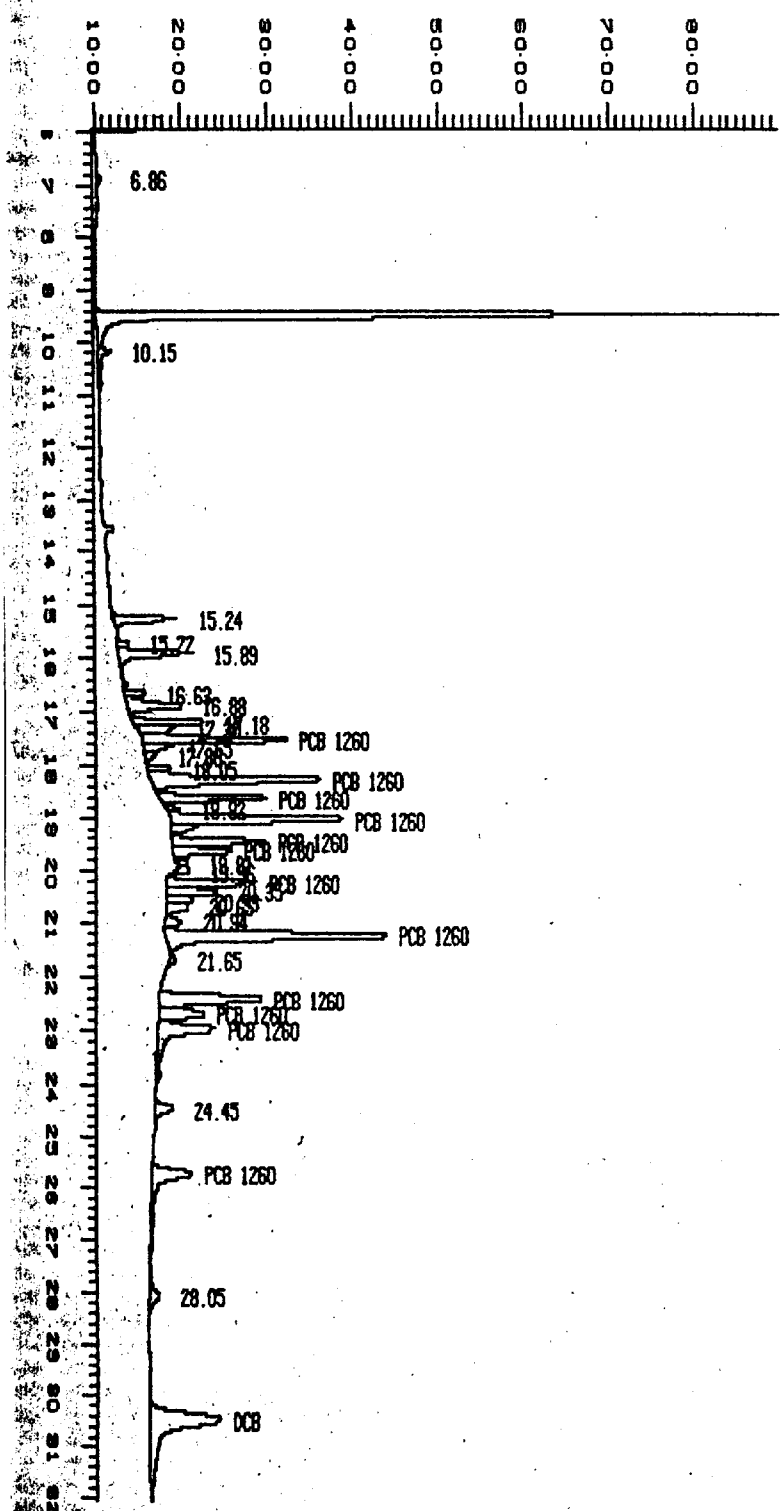
$\frac{4.62}{5.00} = 92\%$

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1494,5,1

PCB 1016/1260 2ND SOURCE 5.0 UG/ML. Amount : 1.000.

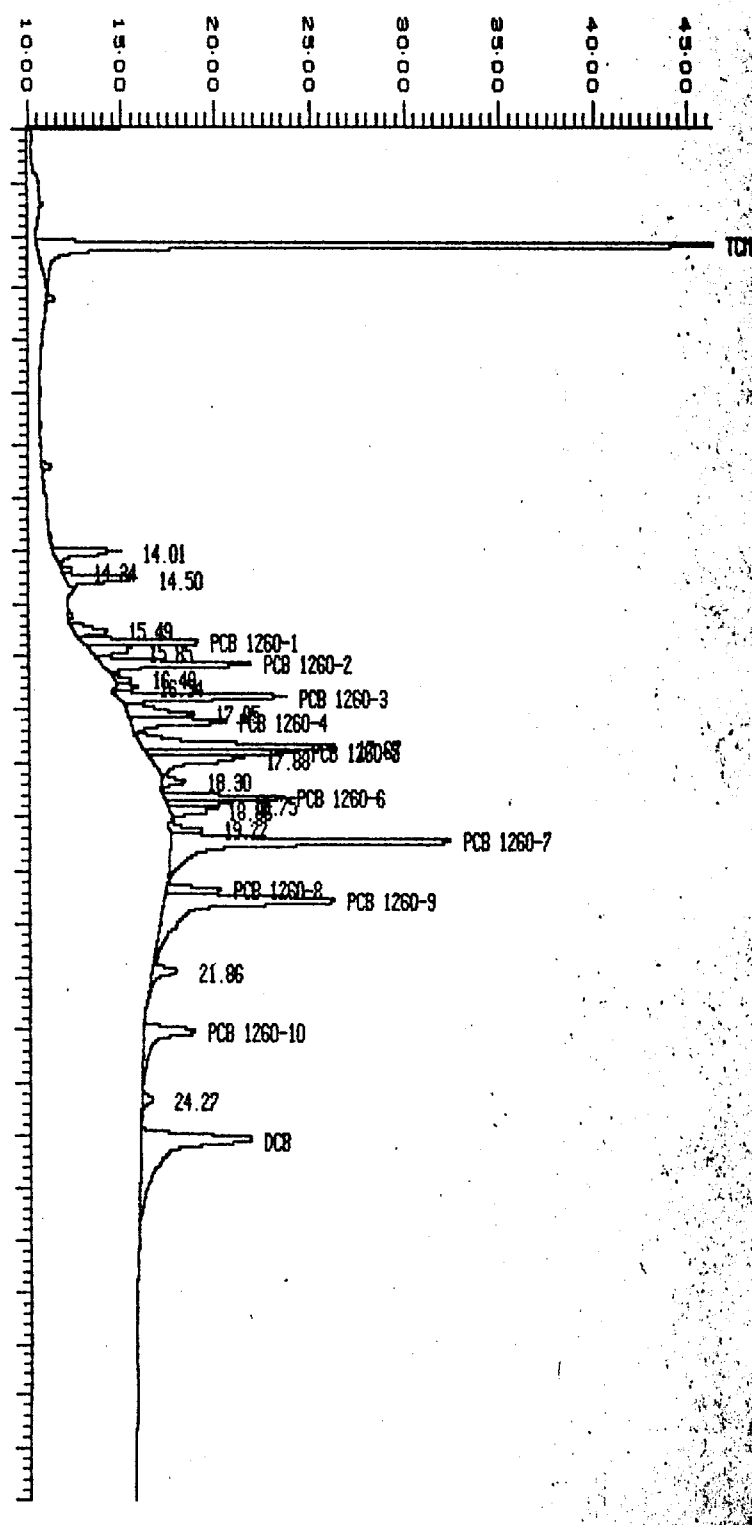
Acquired on 14-JUN-1994 at 02:02
Reported on 17-JUN-1994 at 15:25
Box 1 (of 1)



[DEFPROJECT] 26 JUN1494,5,1

PCB 1016/1260 2ND SOURCE 5.0 UG/ML. Amount : 1.000.

Acquired on 14-JUN-1994 at 02:42
Reported on 17-JUN-1994 at 15:25
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 14-JUN-1994 at 05:23
Channel 026 Acquired on 14-JUN-1994 at 06:04

Lims Id : P60-0614
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : BLK 6/9/94 SOIL
Sample Id : BLK SOIL
Bottle No : 17

Lims Id : P60-0614
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : BLK 6/9/94 SOIL
Sample Id : BLK SOIL
Bottle No : 17

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.241	/0.000		0.0000	/15748	1.268	/0.000		0.0000	/19950
4.134	/0.000		0.0000	/2254	4.139	/0.000		0.0000	/2835
4.232	/0.000		0.0000	/8694	4.308	/0.000		0.0000	/3827
4.397	/0.000		0.0000	/2530	4.446	/0.000		0.0000	/1222
4.481	/0.000		0.0000	/9543	5.014	/0.000		0.0000	/1089
4.610	/0.000		0.0000	/4738	5.099	/0.000		0.0000	/2617
4.863	/0.000		0.0000	/6104	6.534	/0.000		0.0000	/1290
4.948	/0.000		0.0000	/8257	6.637	/0.000		0.0000	/2802
5.241	/0.000		0.0000	/1819	6.846	/0.000		0.0000	/1E+7
5.339	/0.000		0.0000	/11693	8.254	/0.000		0.0000	/3E+7
5.450	/0.000		0.0000	/6852	8.379	/0.000		0.0000	/6E+7
5.832	/0.000		0.0000	/1E+7	10.952	/0.000		0.0000	/8398741
6.752	/0.000		0.0000	/9063	11.788	/0.000		0.0000	/7551610
6.903	/0.000		0.0000	/6045	13.072	/0.000		0.0000	/6061143
7.094	/0.000		0.0000	/776	14.770	/0.000		0.0000	/1065831
7.210	/0.000		0.0000	/6933	15.357	/0.000		0.0000	/1191145
7.401	/0.000		0.0000	/28051	16.094	/16.081	PCB 1260-2	974.5930	/232584
7.494	/0.000		0.0000	/3137	16.281	/0.000		0.0000	/278838
7.890	/0.000		0.0000	/13925	16.552	/0.000		0.0000	/539884
8.059	/0.000		0.0000	/2149	17.161	/17.183	PCB 1260-4	1246.0393	/237323
8.423	/0.000		0.0000	/66669	17.561	/0.000		0.0000	/58554
8.614	/0.000		0.0000	/14544	17.712	/17.747	PCB 1260-5	683.9506	/209443
8.894	/0.000		0.0000	/18321	18.508	/0.000		0.0000	/30241
9.428	/9.434	TCMX	0.0231	/483	19.294	/0.000		0.0000	/355184
10.166	/0.000		0.0000	/15839	19.854	/0.000		0.0000	/143647
10.934	/0.000		0.0000	/70510	21.694	/0.000		0.0000	/30090
11.183	/0.000		0.0000	/97128	25.006	/25.023	DCB	4.1658	/23736
11.606	/0.000		0.0000	/32793	25.610	/0.000		0.0000	/170255
11.819	/0.000		0.0000	/39728					
12.077	/0.000		0.0000	/18222					
12.232	/0.000		0.0000	/206697					
13.494	/0.000		0.0000	/2832					

TCMX zone due to matrix interferences

62%

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)	Peak Name	Amount/Area
14.317	/0.000		0.0000	/3553			
14.574	/0.000		0.0000	/5779			
14.877	/0.000		0.0000	/16627			
15.134	/0.000		0.0000	/131648			
17.343	/0.000		0.0000	/58043			
17.841	/0.000		0.0000	/4437			
18.268	/18.242	PCB 1260	154.3602	/118352			
19.134	/0.000		0.0000	/3014			
19.561	/19.592	PCB 1260	299.8712	/84663			
21.170	/21.214	PCB 1260	65.7971	/84907			
21.441	/0.000		0.0000	/44414			
30.463	/30.471	DCB	3.0218	/51065			

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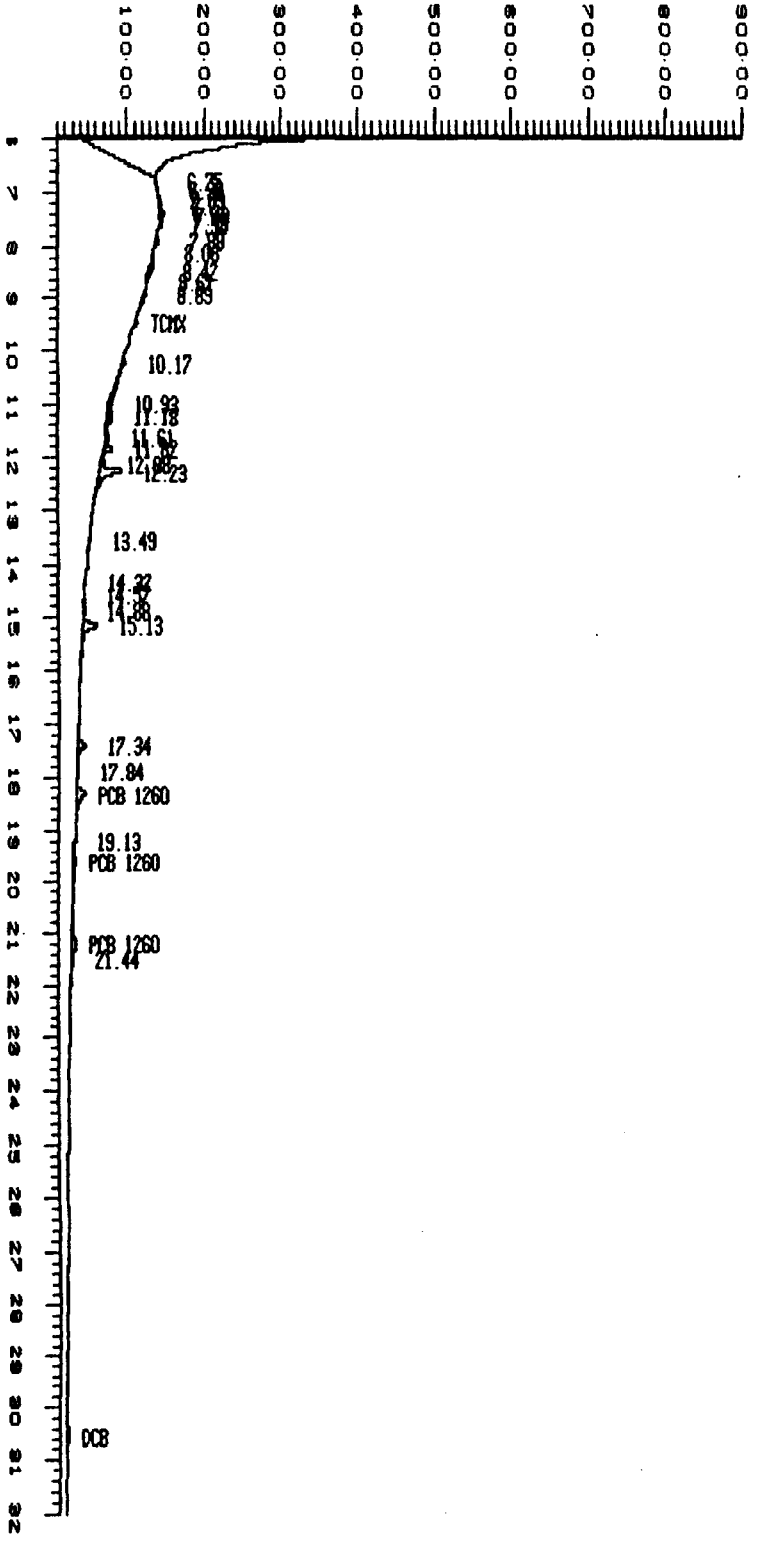
Huntingdon VAX Multichrom V2.0

[DEEPROJECT] 25 JUN1494,10,1

BLK 6/9/94 SOIL. Amount : 1.000.

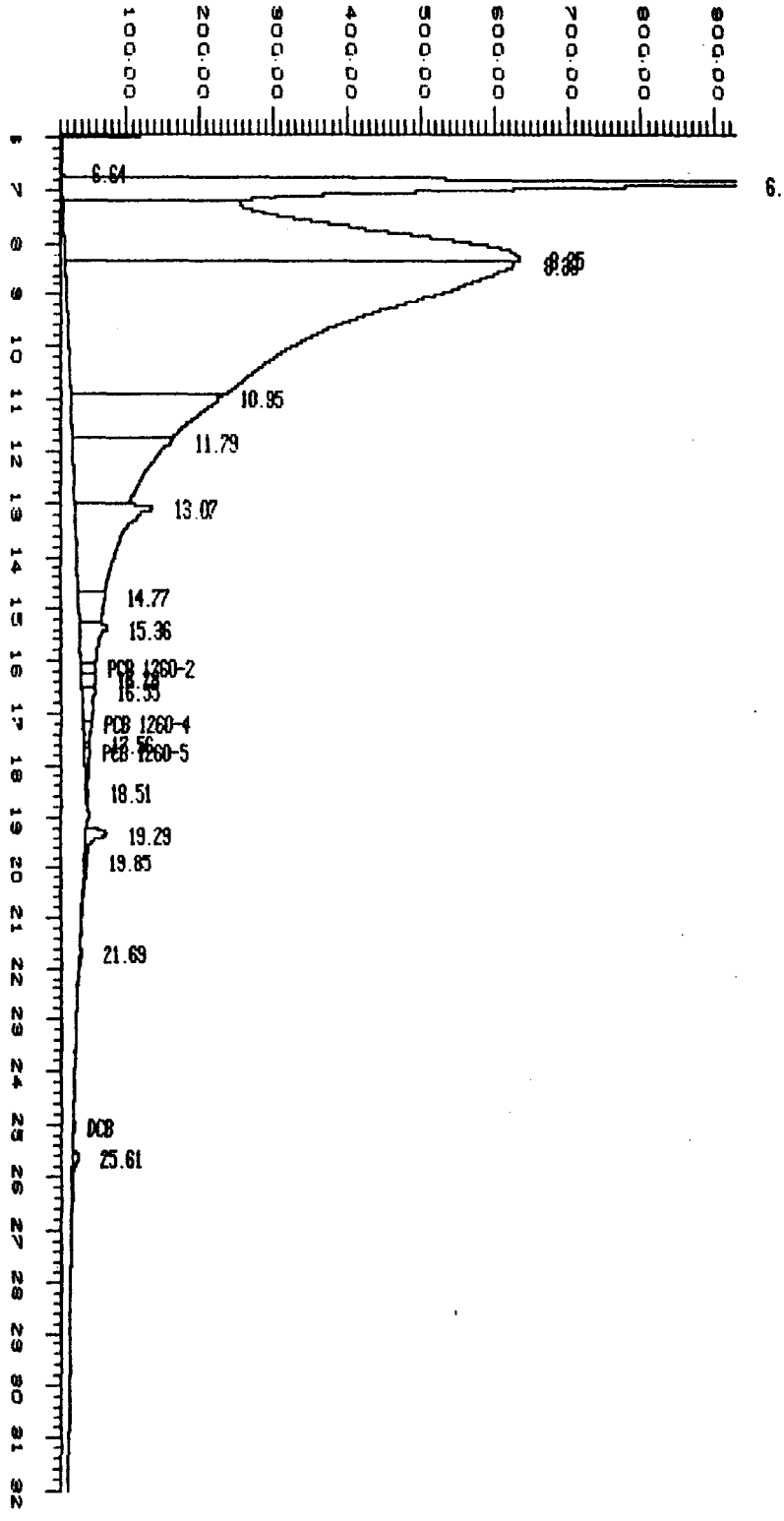
Acquired on 14-JUN-1994 at 05:23
Reported on 17-JUN-1994 at 15:42
Box 1 (of 1)



[DEEPROJECT] 26 JUN1494,10,1

BLK 6/9/94 SOIL. Amount : 1.000.

Acquired on 14-JUN-1994 at 06:04
Reported on 17-JUN-1994 at 15:42
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 14-JUN-1994 at 07:24
Channel 026 Acquired on 14-JUN-1994 at 08:04

Lims Id : P60-0614
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : 25160 10000X DIL.
Sample Id : HPN 5039
Bottle No : 23

Lims Id : P60-0614
Comment : not used
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : 25160 10000X DIL.
Sample Id : HPN 5039
Bottle No : 23

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.246	/0.000		0.0000	/3394	6.814	/0.000		0.0000	/18352
4.797	/0.000		0.0000	/8371	13.783	/0.000		0.0000	/1837
5.823	/0.000		0.0000	/126808	14.099	/0.000		0.0000	/8457
5.979	/0.000		0.0000	/947765	14.690	/0.000		0.0000	/9604
6.837	/0.000		0.0000	/31591	15.188	/0.000		0.0000	/1615
6.903	/0.000		0.0000	/39927	15.703	/15.689	PCB 1260-1	9.5129E+7	/4821
7.001	/0.000		0.0000	/30199	16.121	/16.081	PCB 1260-2	6.1828E+7	/4534
7.090	/0.000		0.0000	/41976	16.392	/0.000		0.0000	/6479
7.268	/0.000		0.0000	/16269	16.726	/16.717	PCB 1260-3	8.2347E+7	/5972
7.392	/0.000		0.0000	/5351	17.197	/17.183	PCB 1260-4	3.9422E+7	/1902
12.281	/0.000		0.0000	/23863	17.321	/0.000		0.0000	/11923
15.263	/0.000		0.0000	/8676	17.668	/0.000		0.0000	/26184
15.734	/0.000		0.0000	/8571	17.890	/0.000		0.0000	/6868
16.881	/0.000		0.0000	/4512	18.494	/0.000		0.0000	/2195
17.361	/0.000		0.0000	/6127	18.619	/18.601	PCB 1260-6	2.0077E+8	/12454
17.517	/17.521	PCB 1260	1.9952E+7	/3884	18.743	/0.000		0.0000	/5114
17.659	/0.000		0.0000	/11783	18.868	/0.000		0.0000	/6318
18.383	/0.000		0.0000	/32645	19.241	/0.000		0.0000	/19919
18.601	/18.601	PCB 1260	3.4899E+7	/4436	19.423	/19.419	PCB 1260-7	3.7490E+8	/94650
19.014	/19.006	PCB 1260	9.9243E+7	/22641	20.326	/20.320	PCB 1260-8	2.5754E+8	/8850
19.423	/19.422	PCB 1260	1.5375E+7	/2350	20.534	/20.521	PCB 1260-9	4.6416E+8	/110137
19.592	/19.592	PCB 1260	3.9415E+7	/4424	21.854	/0.000		0.0000	/29755
19.819	/0.000		0.0000	/9063	22.988	/22.980	PCB 1260-10	1.1957E+9	/101196
20.179	/20.183	PCB 1260	3.1809E+7	/4775	24.268	/0.000		0.0000	/24418
20.646	/0.000		0.0000	/17626					
21.210	/21.214	PCB 1260	2.6177E+8	/113206					
22.379	/22.380	PCB 1260	4.1394E+8	/86235					
22.668	/22.676	PCB 1260	2.0160E+8	/23412					
22.957	/22.958	PCB 1260	2.8040E+8	/50415					
24.450	/0.000		0.0000	/19189					
25.694	/25.691	PCB 1260	6.8280E+8	/115027					
28.063	/0.000		0.0000	/22794					

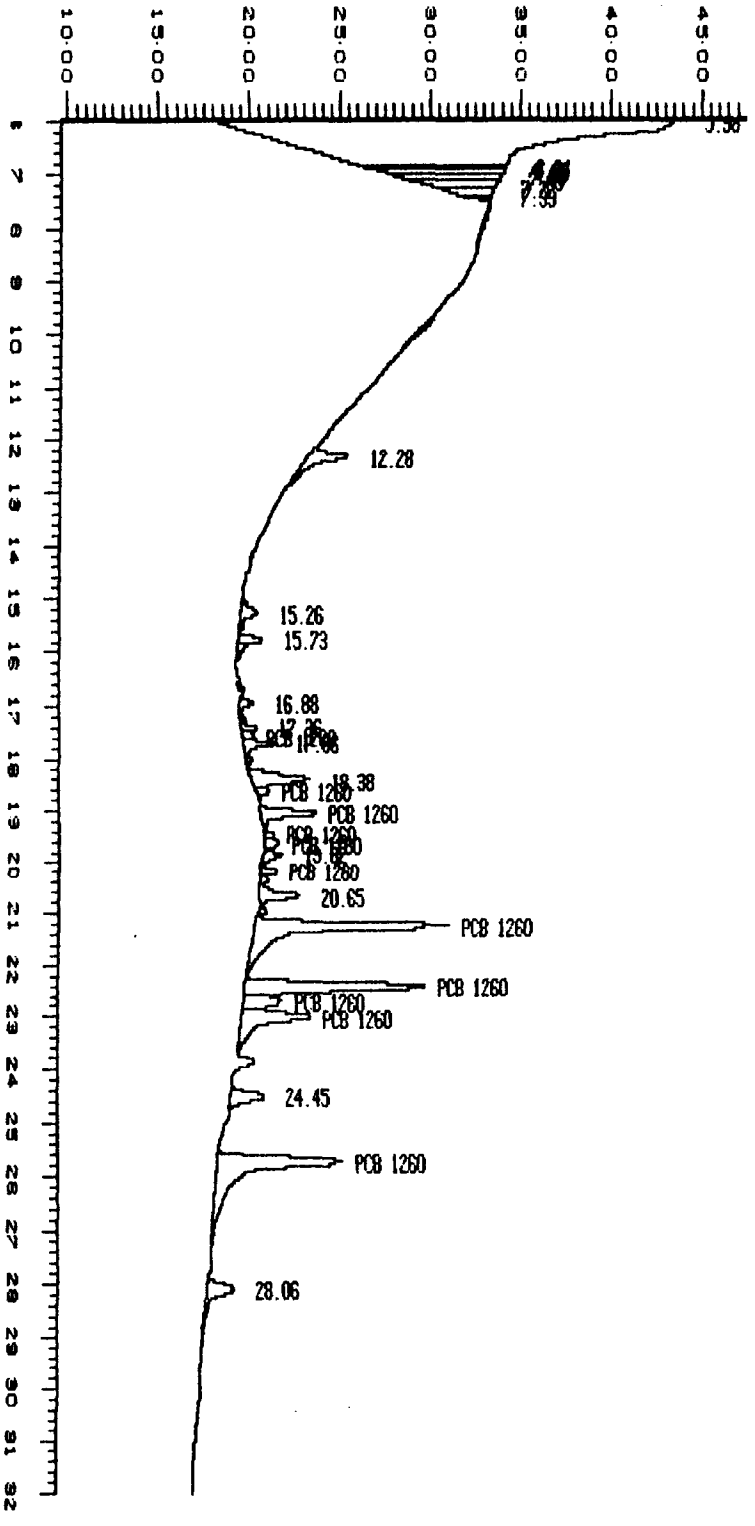
RT(real/expected)	Peak Name	Amount/Area	RT(real/expected)	Peak Name	Amount/Area

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1494,13,1

25160 10000X DIL.. Amount : 1.000.

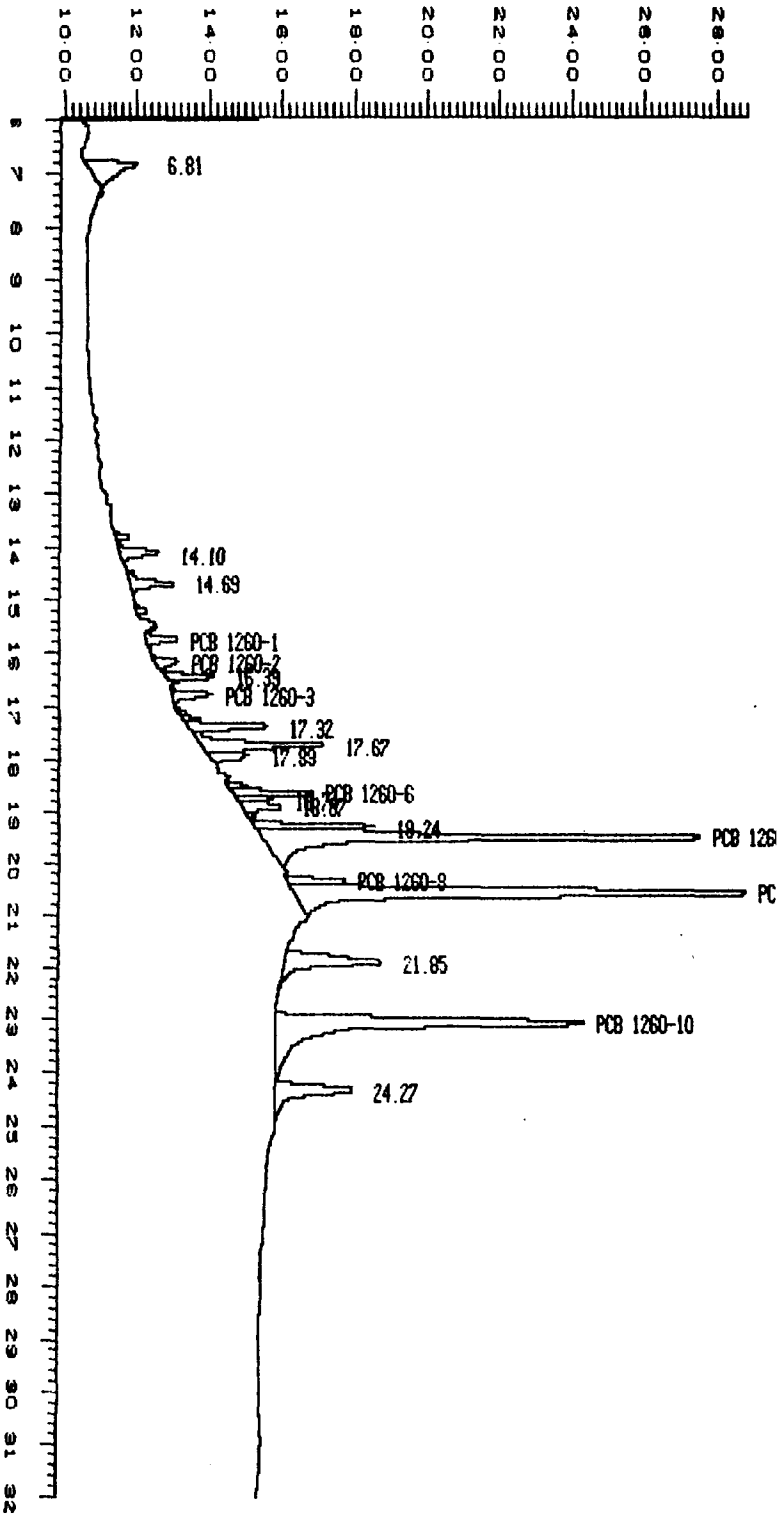
Acquired on 14-JUN-1994 at 07:24
Reported on 17-JUN-1994 at 15:42
Box 1 (of 1)



[DEFPROJECT] 26 JUN1494,13,1

25160 10000X DIL.. Amount : 1.000.

Acquired on 14-JUN-1994 at 08:04
Reported on 17-JUN-1994 at 15:43
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 14-JUN-1994 at 08:04
Channel 026 Acquired on 14-JUN-1994 at 08:44

Lims Id : P60-0614
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : 25160 2000X DIL.
Sample Id : HPN 5039
Bottle No : 23

Lims Id : P60-0614
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : 25160 2000X DIL.
Sample Id : HPN 5039
Bottle No : 23

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
4.819	/0.000		0.0000	/12639	1.179	/0.000		0.0000	/1161
4.974	/0.000		0.0000	/3767	6.810	/0.000		0.0000	/11229
5.810	/0.000		0.0000	/15515	11.543	/0.000		0.0000	/1702
6.161	/0.000		0.0000	/48640	13.237	/0.000		0.0000	/2120
12.668	/0.000		0.0000	/3400	13.770	/0.000		0.0000	/7726
14.077	/0.000		0.0000	/4065	14.086	/0.000		0.0000	/28144
14.414	/0.000		0.0000	/5689	14.494	/0.000		0.0000	/2905
15.077	/0.000		0.0000	/5513	14.677	/0.000		0.0000	/32810
15.263	/0.000		0.0000	/41225	15.174	/0.000		0.0000	/5028
15.503	/0.000		0.0000	/2079	15.401	/0.000		0.0000	/1553
15.730	/0.000		0.0000	/41848	15.690	/15.689	PCB 1260-1	7.1381E+7	/17930
15.890	/0.000		0.0000	/2481	16.108	/16.081	PCB 1260-2	4.1396E+7	/15295
16.023	/0.000		0.0000	/3870	16.374	/0.000		0.0000	/19381
16.454	/0.000		0.0000	/6457	16.712	/16.717	PCB 1260-3	5.2155E+7	/19495
16.632	/0.000		0.0000	/7703	17.037	/0.000		0.0000	/3004
16.739	/0.000		0.0000	/3575	17.183	/17.183	PCB 1260-4	2.3452E+7	/5741
16.881	/0.000		0.0000	/18121	17.303	/0.000		0.0000	/36498
17.192	/0.000		0.0000	/11171	17.659	/0.000		0.0000	/78538
17.517	/17.521	PCB 1260	5.5184E+6	/5369	17.877	/0.000		0.0000	/31001
17.659	/0.000		0.0000	/39902	18.286	/0.000		0.0000	/3660
17.952	/0.000		0.0000	/2724	18.472	/0.000		0.0000	/3068
18.241	/18.242	PCB 1260	2.5967E+7	/33264	18.606	/18.601	PCB 1260-6	9.5891E+7	/31768
18.383	/0.000		0.0000	/80507	18.734	/0.000		0.0000	/13033
18.606	/18.601	PCB 1260	2.2288E+7	/14217	18.854	/0.000		0.0000	/16247
18.819	/0.000		0.0000	/3248	19.223	/0.000		0.0000	/61230
19.014	/19.006	PCB 1260	1.0994E+8	/126425	19.410	/19.419	PCB 1260-7	2.5076E+8	/353418
19.188	/0.000		0.0000	/8010	20.148	/0.000		0.0000	/1163
19.423	/19.422	PCB 1260	2.2794E+7	/17408	20.312	/20.320	PCB 1260-8	1.5891E+8	/31326
19.597	/19.592	PCB 1260	4.2864E+7	/23267	20.521	/20.521	PCB 1260-9	3.8924E+8	/540160
19.823	/0.000		0.0000	/54964	21.841	/0.000		0.0000	/121556
20.183	/20.183	PCB 1260	4.4936E+7	/33871	22.966	/22.980	PCB 1260-10	9.0456E+8	/402201
20.348	/0.000		0.0000	/17903	24.250	/0.000		0.0000	/87122

$\bar{x}$ = 221,000,000

236,000,000 (dry)

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
20.650	/0.000		0.0000	/107637					
20.948	/0.000		0.0000	/14553					
21.214	/21.214	PCB 1260	1.9795E+8	/453943					
22.379	/22.380	PCB 1260	4.5371E+8	/516447					
22.672	/22.676	PCB 1260	2.0770E+8	/125366					
22.957	/22.958	PCB 1260	2.9014E+8	/268592					
23.810	/0.000		0.0000	/59504					
24.454	/0.000		0.0000	/106710					
25.694	/25.691	PCB 1260	6.0211E+8	/699164					
28.063	/0.000		0.0000	/166538					

$\bar{x}$ = 169,000,000

181,000,000 (dry)

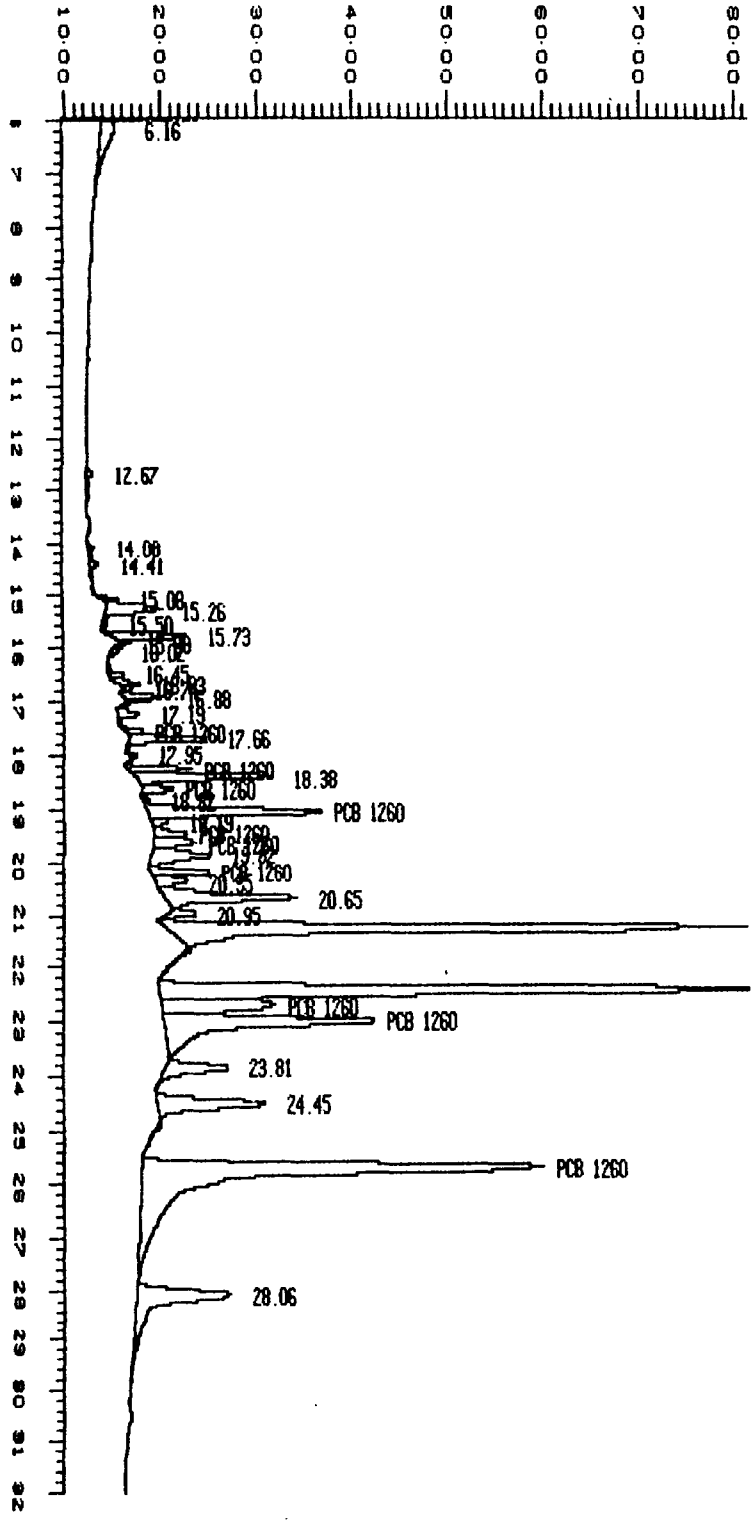
26% RPD

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1494,14,1

25160 2000X DIL.. Amount : 1.000.

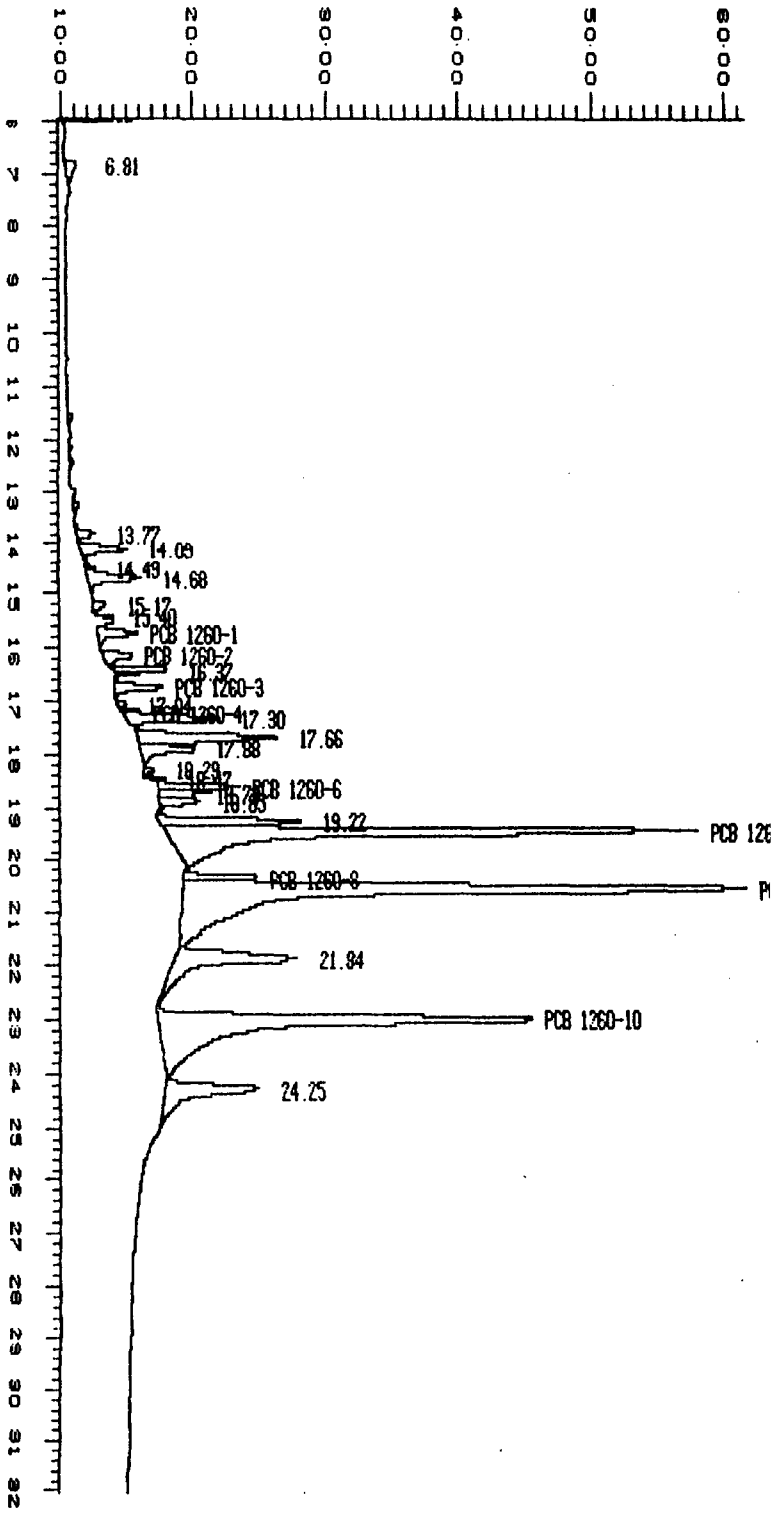
Acquired on 14-JUN-1994 at 08:04
Reported on 17-JUN-1994 at 15:43
Box 1 (of 1)



[DEFPROJECT] 26 JUN1494,14,1

25160 2000X DIL.. Amount : 1.000.

Acquired on 14-JUN-1994 at 08:44
Reported on 17-JUN-1994 at 15:43
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 14-JUN-1994 at 08:44
Channel 026 Acquired on 14-JUN-1994 at 09:25

not used

Lims Id	: P60-0614	Lims Id	: P60-0614
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846	Comment	:
	HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080		
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: 25161 20000X DIL.	Sample Name	: 25161 20000X DIL.
Sample Id	: HPN 5039	Sample Id	: HPN 5039
Bottle No	: 24	Bottle No	: 24

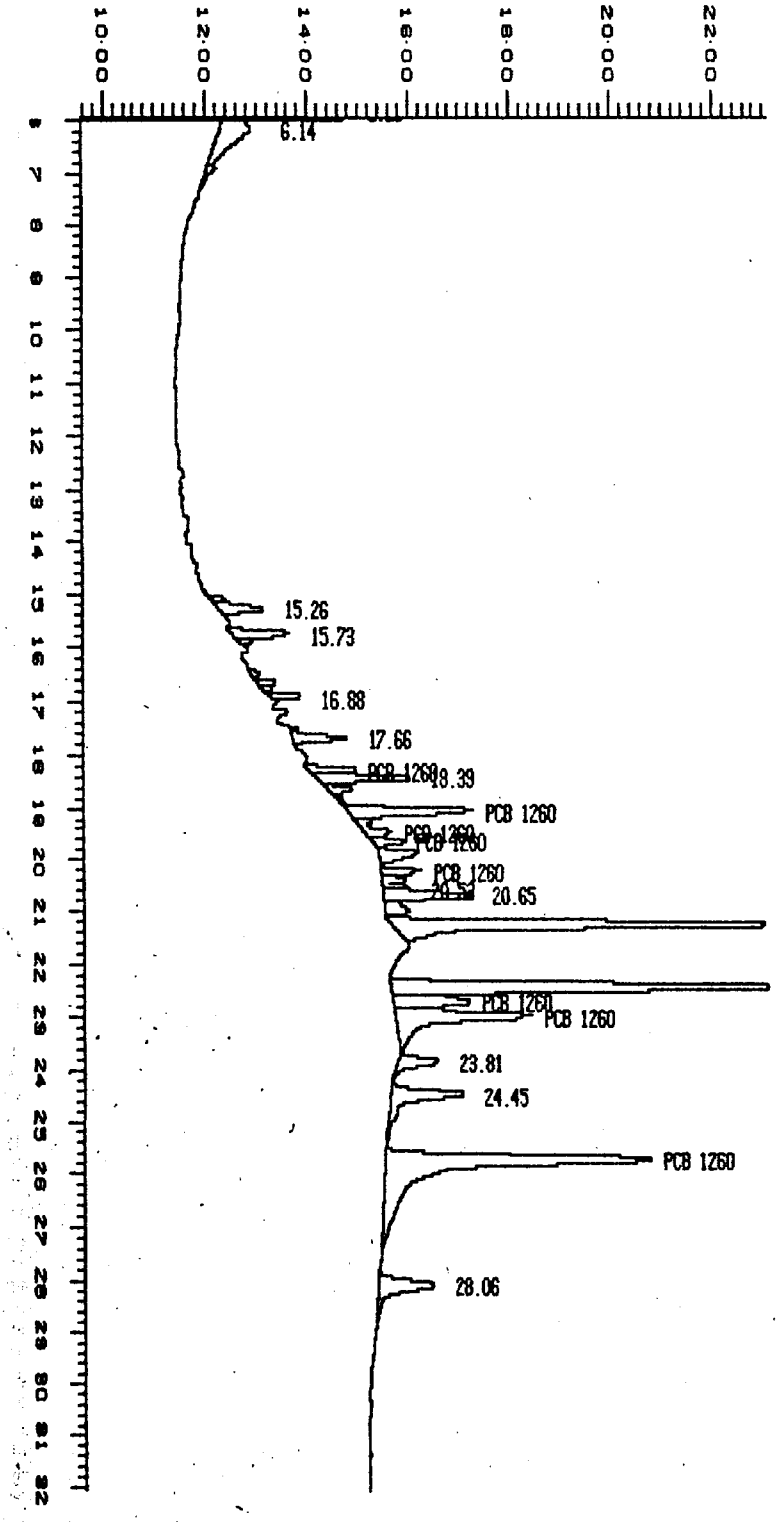
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.241	/0.000		0.0000	/3142	1.188	/0.000		0.0000	/1228
4.806	/0.000		0.0000	/4620	6.806	/0.000		0.0000	/8628
5.806	/0.000		0.0000	/9338	14.094	/0.000		0.0000	/4439
6.143	/0.000		0.0000	/19397	15.694	/15.689	PCB 1260-1	8.7905E+7	/2231
15.263	/0.000		0.0000	/6757	16.388	/0.000		0.0000	/3996
15.734	/0.000		0.0000	/7088	16.717	/16.717	PCB 1260-3	8.8059E+7	/3172
16.881	/0.000		0.0000	/2533	17.317	/0.000		0.0000	/5900
17.659	/0.000		0.0000	/5590	17.663	/0.000		0.0000	/13047
18.246	/18.242	PCB 1260	3.8132E+7	/4889	17.881	/0.000		0.0000	/3311
18.388	/0.000		0.0000	/11458	18.614	/18.601	PCB 1260-6	2.0642E+8	/6250
19.010	/19.006	PCB 1260	1.5351E+8	/17503	18.734	/0.000		0.0000	/2496
19.419	/19.422	PCB 1260	6.8248E+7	/5215	18.863	/0.000		0.0000	/2681
19.588	/19.592	PCB 1260	6.0241E+7	/3387	19.232	/0.000		0.0000	/9879
20.179	/20.183	PCB 1260	1.5346E+8	/11529	19.419	/19.419	PCB 1260-7	4.2287E+8	/52149
20.530	/0.000		0.0000	/5132	20.321	/20.320	PCB 1260-8	2.9136E+8	/4852
20.650	/0.000		0.0000	/13006	20.526	/20.521	PCB 1260-9	5.9292E+8	/68376
21.214	/21.214	PCB 1260	2.6563E+8	/56821	21.846	/0.000		0.0000	/16899
22.379	/22.380	PCB 1260	6.3387E+8	/65504	22.974	/22.980	PCB 1260-10	1.3326E+9	/54060
22.668	/22.676	PCB 1260	2.7304E+8	/15806	24.259	/0.000		0.0000	/11864
22.952	/22.958	PCB 1260	3.6880E+8	/33062					
23.810	/0.000		0.0000	/7733					
24.446	/0.000		0.0000	/18324					
25.686	/25.691	PCB 1260	1.0973E+9	/87630					
28.059	/0.000		0.0000	/15445					

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1494,15,1

25161 20000X DIL.. Amount : 1.000.

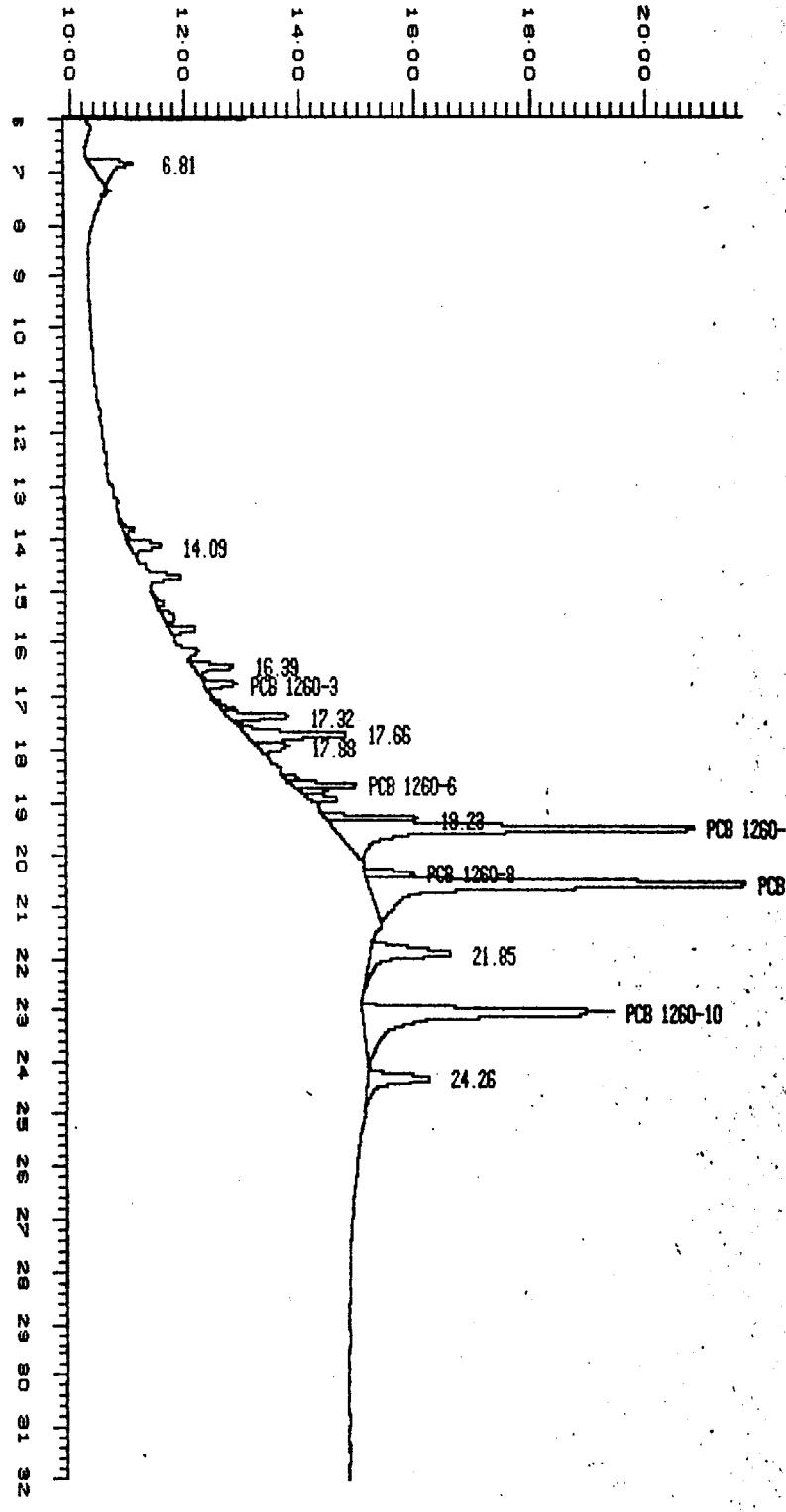
Acquired on 14-JUN-1994 at 08:44
Reported on 17-JUN-1994 at 15:43
Box 1 (of 1)



[DEFPROJECT] 26 JUN1494,15,1

25161 20000X DIL.. Amount : 1.000.

Acquired on 14-JUN-1994 at 09:25
Reported on 17-JUN-1994 at 15:43
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 14-JUN-1994 at 09:25
Channel 026 Acquired on 14-JUN-1994 at 10:05

Lims Id : P60-0614
Comment : HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846
HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : 25161 4000X DIL.
Sample Id : HPN 5039
Bottle No : 24

Lims Id : P60-0614
Comment :
Method Title : PESTICIDES/PCBS SW-846 8080
Sample Name : 25161 4000X DIL.
Sample Id : HPN 5039
Bottle No : 24

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
1.241	/0.000		0.0000	/3179	12.997	/0.000		0.0000	/1579
5.810	/0.000		0.0000	/5913	13.232	/0.000		0.0000	/1449
12.668	/0.000		0.0000	/2649	13.766	/0.000		0.0000	/5320
14.410	/0.000		0.0000	/4483	14.081	/0.000		0.0000	/20270
15.077	/0.000		0.0000	/8600	14.672	/0.000		0.0000	/18095
15.259	/0.000		0.0000	/44975	15.170	/0.000		0.0000	/3563
15.499	/0.000		0.0000	/4402	15.410	/0.000		0.0000	/4166
15.726	/0.000		0.0000	/32370	15.463	/0.000		0.0000	/5136
16.014	/0.000		0.0000	/3163	15.686	/15.689	PCB 1260-1	1.0554E+8	/13297
16.450	/0.000		0.0000	/5873	16.103	/16.081	PCB 1260-2	6.8307E+7	/12595
16.628	/0.000		0.0000	/11720	16.374	/0.000		0.0000	/19549
16.730	/0.000		0.0000	/8488	16.508	/0.000		0.0000	/2397
16.877	/0.000		0.0000	/22171	16.703	/16.717	PCB 1260-3	9.2773E+7	/17255
16.988	/0.000		0.0000	/6522	17.032	/0.000		0.0000	/2132
17.188	/0.000		0.0000	/9541	17.174	/17.183	PCB 1260-4	3.6516E+7	/4448
17.517	/17.521	PCB 1260	1.8785E+7	/9125	17.303	/0.000		0.0000	/28494
17.654	/0.000		0.0000	/38055	17.477	/0.000		0.0000	/2100
17.952	/0.000		0.0000	/4230	17.650	/0.000		0.0000	/60678
18.237	/18.242	PCB 1260	4.3307E+7	/27743	17.872	/0.000		0.0000	/20710
18.379	/0.000		0.0000	/67511	18.472	/0.000		0.0000	/4865
18.597	/18.601	PCB 1260	5.2904E+7	/16890	18.601	/18.601	PCB 1260-6	1.7287E+8	/28325
18.819	/0.000		0.0000	/7697	18.726	/0.000		0.0000	/11935
19.006	/19.006	PCB 1260	1.8397E+8	/105611	18.850	/0.000		0.0000	/14748
19.183	/0.000		0.0000	/11770	19.023	/0.000		0.0000	/1583
19.414	/19.422	PCB 1260	5.9571E+7	/22742	19.219	/0.000		0.0000	/43468
19.588	/19.592	PCB 1260	9.4190E+7	/25459	19.406	/19.419	PCB 1260-7	3.5161E+8	/237712
19.814	/0.000		0.0000	/48402	20.134	/0.000		0.0000	/4652
20.174	/20.183	PCB 1260	7.3772E+7	/27778	20.308	/20.320	PCB 1260-8	2.5421E+8	/24103
20.508	/0.000		0.0000	/24989	20.512	/20.521	PCB 1260-9	4.6367E+8	/305873
20.641	/0.000		0.0000	/89360	21.832	/0.000		0.0000	/77172
20.934	/0.000		0.0000	/29280	22.961	/22.980	PCB 1260-10	1.2461E+9	/274864
21.201	/21.214	PCB 1260	2.9482E+8	/331343	24.246	/0.000		0.0000	/89970

$\bar{x}$ = 310,000,000
324,000,000 (dry)

RT(real/expected)	Peak Name	Amount/Area	RT(real/expected)	Peak Name	Amount/Area
22.374 /22.380	PCB 1260	6.7761E+8 /381403	24.979 /25.023	~~PCB~~ CSF 6-17-94	~~4.1002E+6 /19363~~
				surrogate diluted out	
22.659 /22.676	PCB 1260	2.6837E+8 /79645			
22.948 /22.958	PCB 1260	3.7329E+8 /170967			
23.801 /0.000		0.0000 /47659			
24.441 /0.000		0.0000 /81415			
25.677 /25.691	PCB 1260	8.4088E+8 /468740			
28.050 /0.000		0.0000 /117019			

$\bar{x}$ = 248,000,000

259,000,000 (dry)

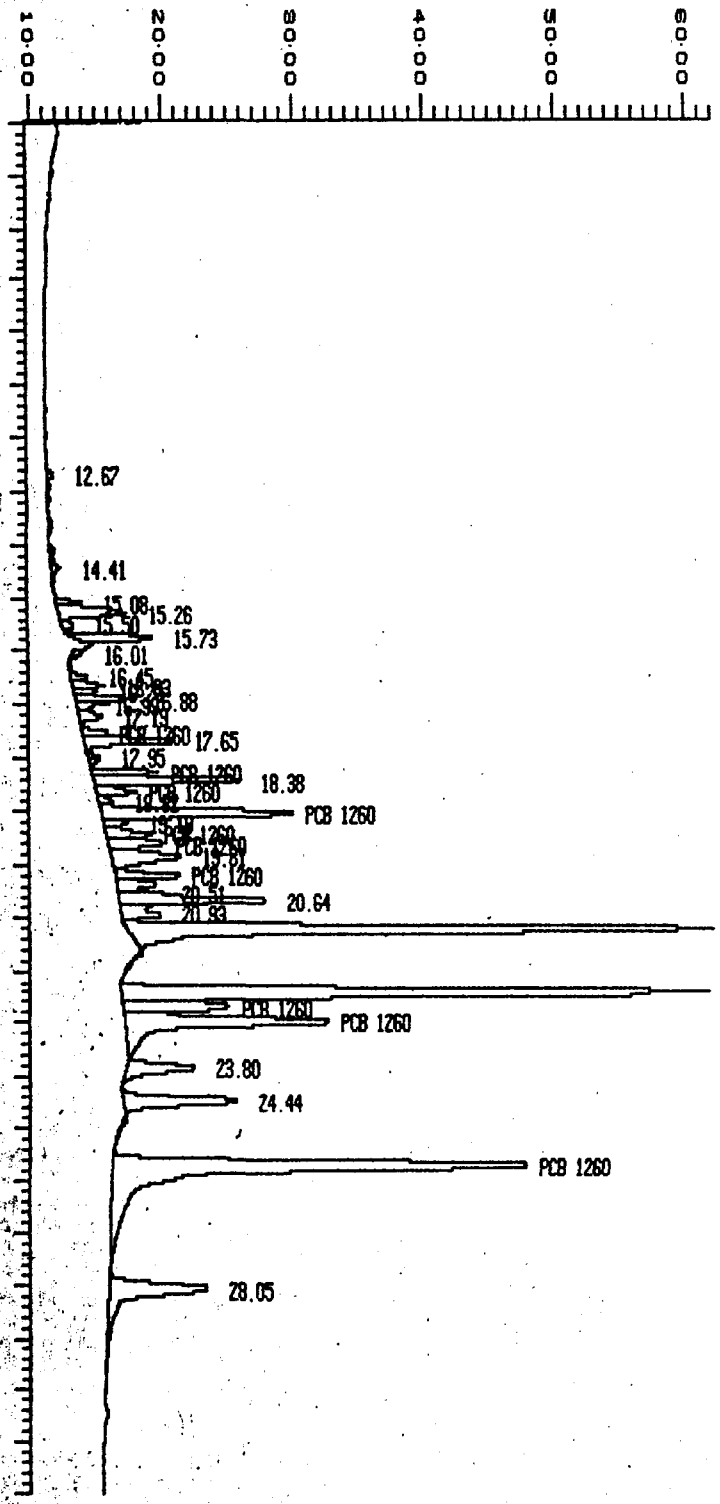
22% RPD

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1494,16,1

25161 4000X DIL.. Amount : 1.000.

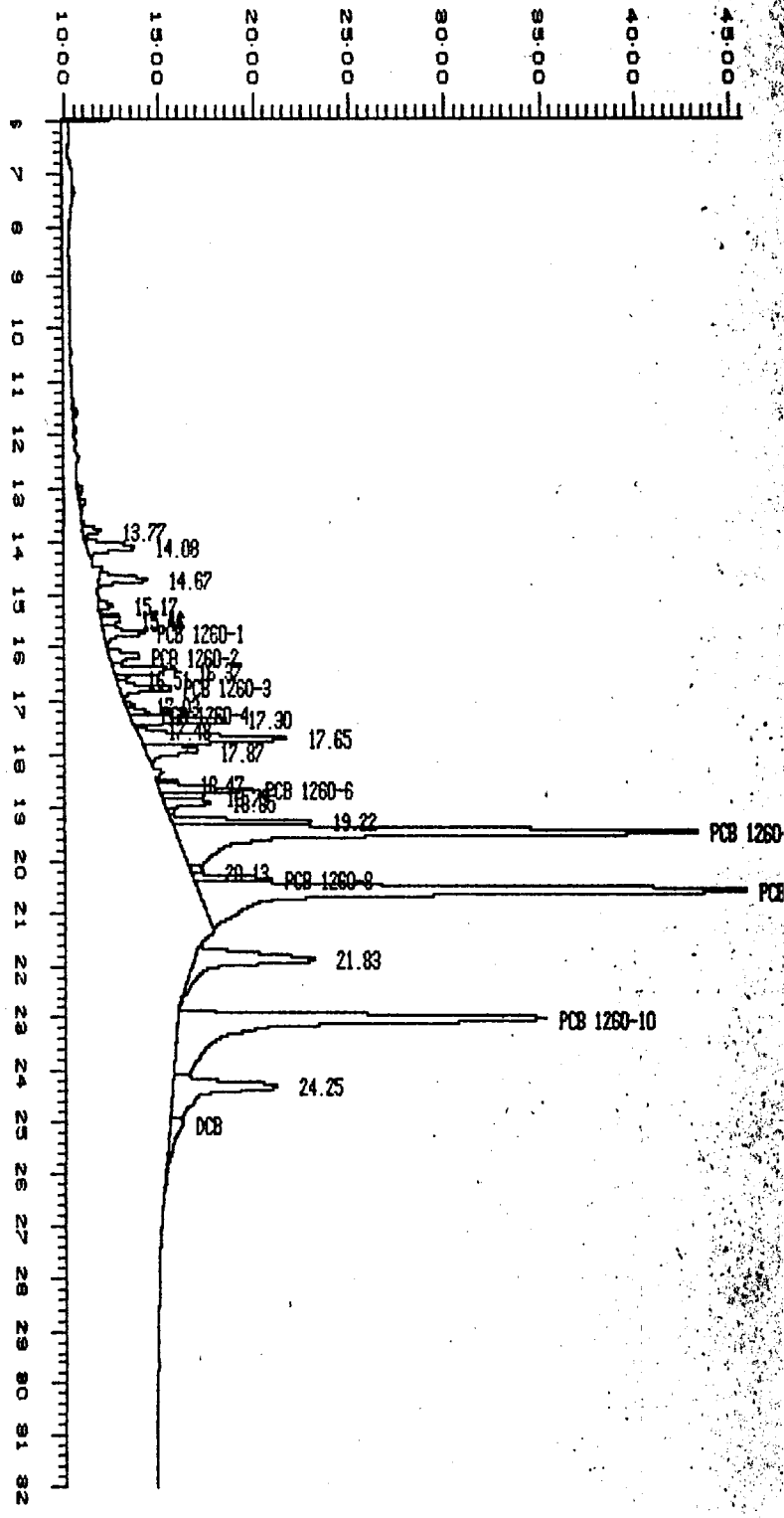
Acquired on 14-JUN-1994 at 09:25
Reported on 17-JUN-1994 at 15:43
Box 1 (of 1)



[DEFPROJECT] 26 JUN1494,16,1

25161 4000X DIL.. Amount : 1.000.

Acquired on 14-JUN-1994 at 10:05
Reported on 17-JUN-1994 at 15:43
Box 1 (of 1)



Reported on 17-JUN-1994 at 15:43

Huntingdon VOX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 14-JUN-1994 at 10:05
Channel 026 Acquired on 14-JUN-1994 at 10:45

Lims Id	: P60-0614	Lims Id	: P60-0614
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080	Comment	:
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: 25162 20000X DIL.	Sample Name	: 25162 20000X DIL.
Sample Id	: HPN 5039	Sample Id	: HPN 5039
Bottle No	: 25	Bottle No	: 25

not used

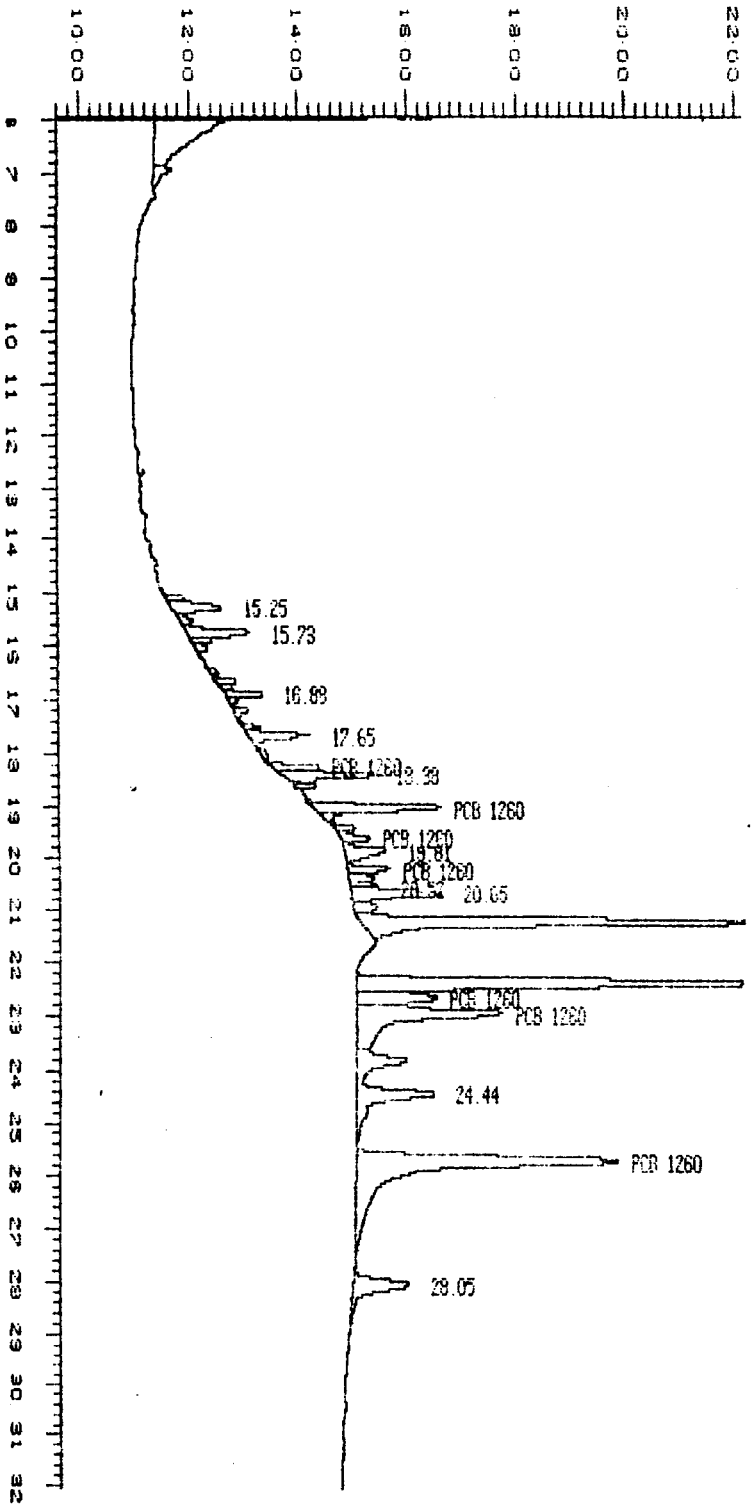
RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
5.823	/0.000		0.0000	/59907	1.321	/0.000		0.0000	/4337
15.254	/0.000		0.0000	/8151	14.999	/0.000		0.0000	/4828
15.730	/0.000		0.0000	/9134	14.694	/0.000		0.0000	/4167
16.877	/0.000		0.0000	/3035	15.609	/15.689	PCB 1260-1	9.5344E+7	/2420
17.654	/0.000		0.0000	/7931	16.181	/16.081	PCB 1260-2	7.9262E+7	/2903
18.237	/18.242	PCB 1260	3.6541E+7	/4605	16.393	/0.000		0.0000	/5389
18.383	/0.000		0.0000	/9839	16.721	/16.717	PCB 1260-3	1.1314E+8	/4064
19.006	/19.006	PCB 1260	1.4400E+8	/16418	17.231	/0.000		0.0000	/6389
19.588	/19.592	PCB 1260	4.9118E+7	/2765	17.665	/0.000		0.0000	/14312
19.814	/0.000		0.0000	/7090	17.836	/0.000		0.0000	/3609
20.174	/20.183	PCB 1260	6.0499E+7	/4541	18.619	/18.601	PCB 1260-6	1.6796E+8	/5061
20.321	/0.000		0.0000	/5492	18.743	/0.000		0.0000	/1964
20.646	/0.000		0.0000	/13925	18.963	/0.000		0.0000	/3492
21.206	/21.214	PCB 1260	2.3228E+8	/53034	19.237	/0.000		0.0000	/10193
22.374	/22.380	PCB 1260	6.0600E+8	/62553	19.423	/19.419	PCB 1260-7	4.1178E+8	/50742
22.659	/22.676	PCB 1260	2.6685E+8	/15445	20.321	/20.320	PCB 1260-8	2.9294E+8	/4800
22.943	/22.958	PCB 1260	4.2650E+8	/38272	20.530	/20.531	PCB 1260-9	5.1712E+8	/59247
24.437	/0.000		0.0000	/32231	21.846	/0.000		0.0000	/16745
25.681	/25.691	PCB 1260	1.0100E+9	/79222	22.974	/22.980	PCB 1260-10	1.2441E+9	/50277
28.050	/0.000		0.0000	/14287	24.253	/0.000		0.0000	/11772

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1494,17,1

25162 20000X DIL.. Amount : 1.000.

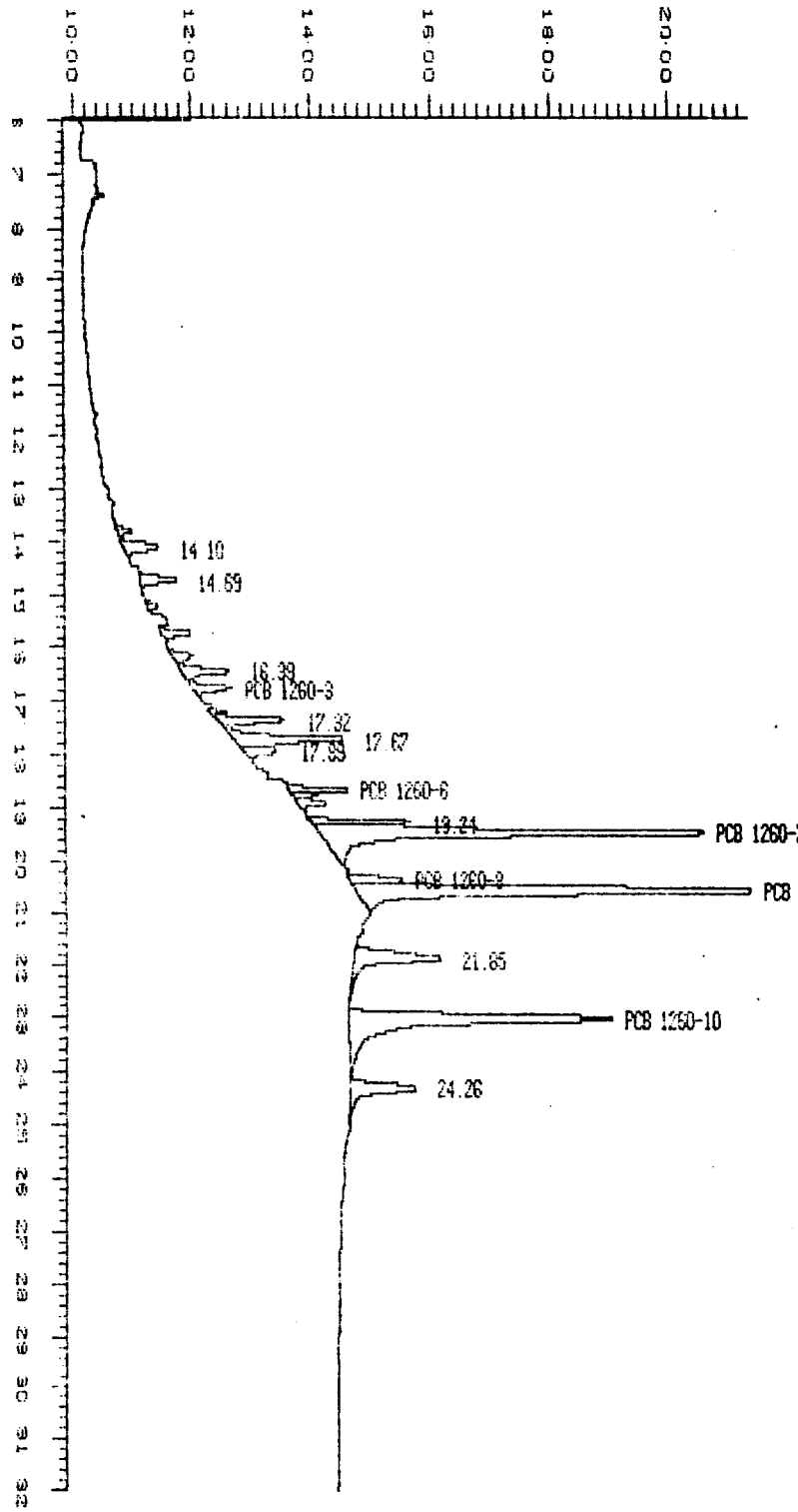
Acquired on 14-JUN-1994 at 10:05
Reported on 17-JUN-1994 at 15:43
Box 1 (of 1)



[DEFPROJECT] 26 JUN1494,17,1

25162 20000X DIL.. Amount : 1.000.

Acquired on 14-JUN-1994 at 10:45
Reported on 17-JUN-1994 at 15:43
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 14-JUN-1994 at 10:45
Channel 026 Acquired on 14-JUN-1994 at 11:25

Lims Id	: P60-0614	Lims Id	: P60-0614
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846	Comment	:
	HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080		
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: 25162 4000X DIL.	Sample Name	: 25162 4000X DIL.
Sample Id	: HPN 5039	Sample Id	: HPN 5039
Bottle No	: 25	Bottle No	: 25

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
5.797	/0.000		0.0000	/3751	11.543	/0.000		0.0000	/1332
14.401	/0.000		0.0000	/4818	12.997	/0.000		0.0000	/1657
15.068	/0.000		0.0000	/7390	13.237	/0.000		0.0000	/1354
15.250	/0.000		0.0000	/38528	13.770	/0.000		0.0000	/5764
15.490	/0.000		0.0000	/4508	14.081	/0.000		0.0000	/21282
15.717	/0.000		0.0000	/35654	14.490	/0.000		0.0000	/2152
15.868	/0.000		0.0000	/7722	14.677	/0.000		0.0000	/24487
16.006	/0.000		0.0000	/4810	15.174	/0.000		0.0000	/3771
16.441	/0.000		0.0000	/4824	15.414	/0.000		0.0000	/4438
16.619	/0.000		0.0000	/9616	15.468	/0.000		0.0000	/5227
16.721	/0.000		0.0000	/6827	15.686	/15.689	PCB 1260-1	1.0895E+8	/13722
16.868	/0.000		0.0000	/18060	16.108	/16.081	PCB 1260-2	6.1865E+7	/11397
16.979	/0.000		0.0000	/4594	16.374	/0.000		0.0000	/15806
17.179	/0.000		0.0000	/7152	16.708	/16.717	PCB 1260-3	8.0698E+7	/14933
17.503	/17.521	PCB 1260	1.5830E+7	/7694	17.037	/0.000		0.0000	/2304
17.646	/0.000		0.0000	/31888	17.179	/17.183	PCB 1260-4	3.5219E+7	/4288
17.948	/0.000		0.0000	/3866	17.303	/0.000		0.0000	/26765
18.028	/0.000		0.0000	/2654	17.654	/0.000		0.0000	/56498
18.228	/18.242	PCB 1260	3.4513E+7	/22113	17.872	/0.000		0.0000	/16821
18.370	/0.000		0.0000	/50235	18.286	/0.000		0.0000	/2695
18.588	/18.601	PCB 1260	2.7858E+7	/8868	18.477	/0.000		0.0000	/5058
18.997	/19.006	PCB 1260	1.3742E+8	/73722	18.606	/18.601	PCB 1260-6	1.7748E+8	/29158
19.174	/0.000		0.0000	/4814	18.850	/0.000		0.0000	/22414
19.406	/19.422	PCB 1260	2.6992E+7	/10310	19.223	/0.000		0.0000	/45433
19.579	/19.592	PCB 1260	5.2872E+7	/14579	19.410	/19.419	PCB 1260-7	3.2446E+8	/217395
19.806	/0.000		0.0000	/34603	20.308	/20.320	PCB 1260-8	2.4112E+8	/22676
20.166	/20.183	PCB 1260	6.1050E+7	/22972	20.512	/20.521	PCB 1260-9	4.3984E+8	/288139
20.330	/0.000		0.0000	/14731	21.832	/0.000		0.0000	/76606
20.517	/0.000		0.0000	/13062	22.961	/22.980	PCB 1260-10	1.0965E+9	/241026
20.632	/0.000		0.0000	/74087	24.246	/0.000		0.0000	/60626
20.926	/0.000		0.0000	/16646					
21.197	/21.214	PCB 1260	2.4201E+8	/269116					

$\bar{x}$ = 285,000,000
319,000,000 (dry)

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)	Peak Name	Amount/Area
22.361	/22.380	PCB 1260	5.5171E+8	/307419			
22.654	/22.676	PCB 1260	2.2775E+8	/67272			
22.934	/22.958	PCB 1260	3.1852E+8	/145313			
23.792	/0.000		0.0000	/37764			
24.428	/0.000		0.0000	/65222			
25.668	/25.691	PCB 1260	7.2927E+8	/397954			
28.037	/0.000		0.0000	/105768			

$\bar{x}$ = 202,000,000

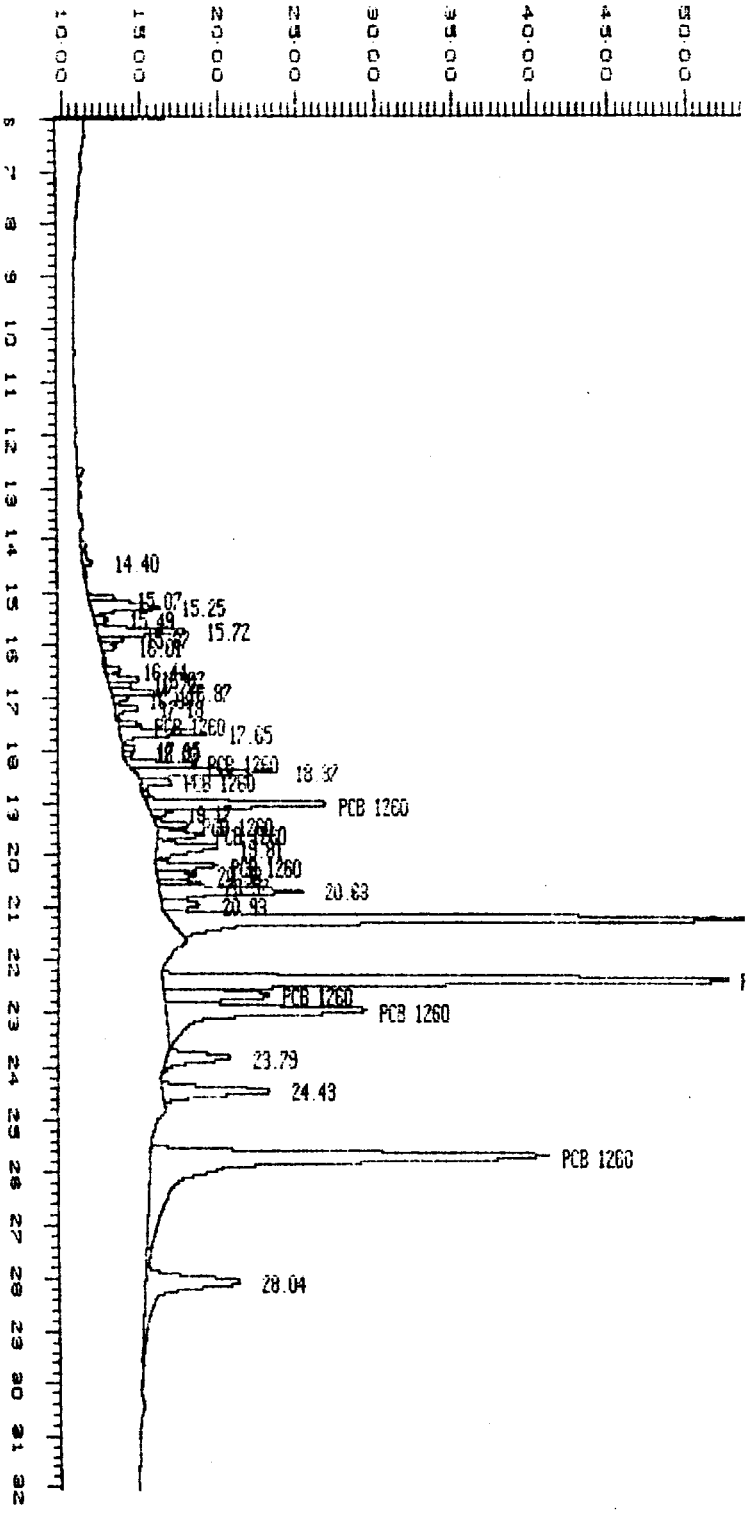
226,000,000 (dry)

34% RPD

[DEFPROJECT] 25 JUN1494,18,1

25162 4000X DIL.. Amount : 1.000.

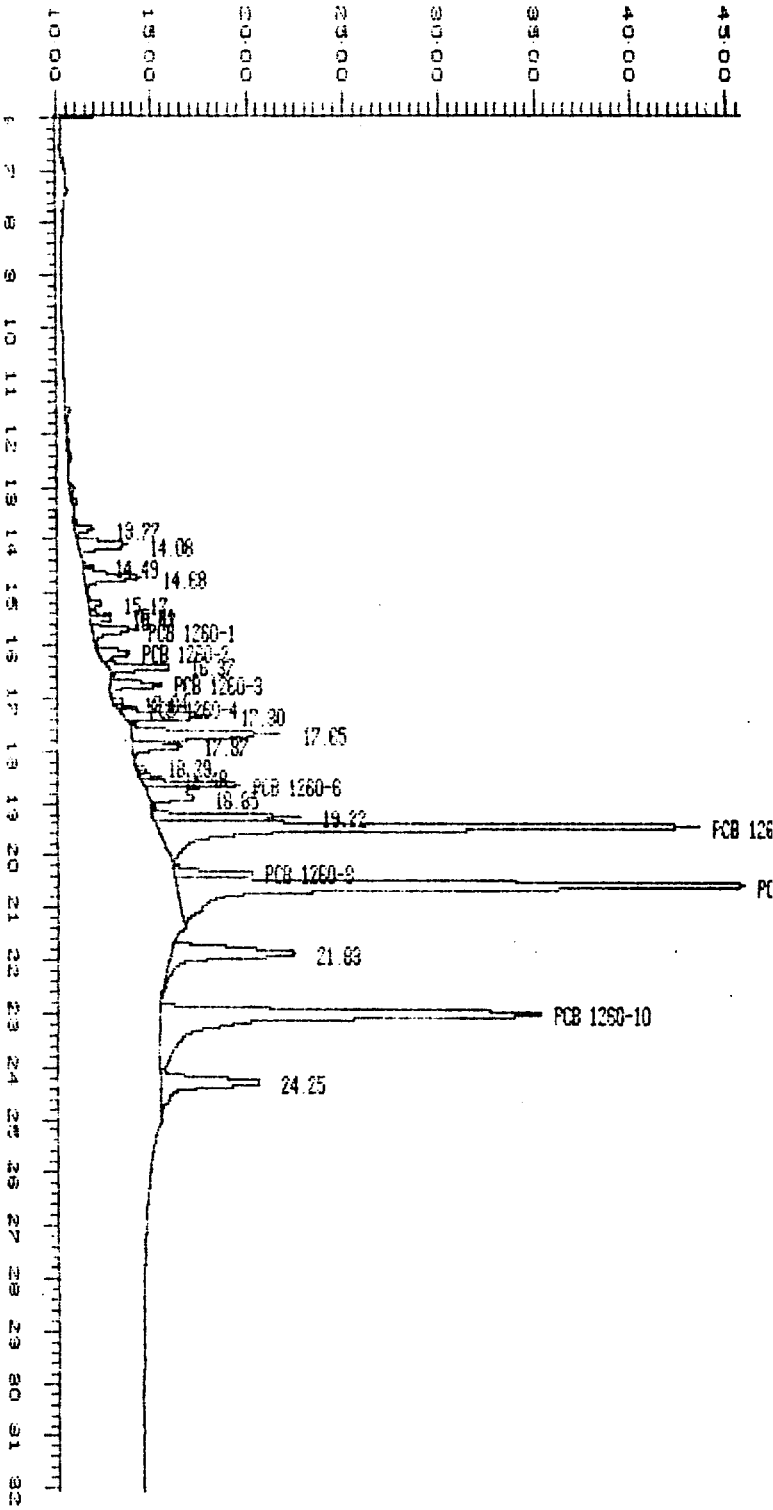
Acquired on 14-JUN-1994 at 10:45
Reported on 17-JUN-1994 at 15:43
Box 1 (of 1)



[DEFPROJECT] 26 JUN1494,18,1

25162 4000X DIL.. Amount : 1.000.

Acquired on 14-JUN-1994 at 11:25
Reported on 17-JUN-1994 at 15:43
Box 1 (of 1)



Huntingdon VAX Multichrom V2.0

Dual Channel Report

Channels 025 and 026

Reported by : AUTOPROC

Channel 025 Acquired on 14-JUN-1994 at 12:45
Channel 026 Acquired on 14-JUN-1994 at 13:25

Lims Id	: P60-0614	Lims Id	: P60-0614
Comment	: HP5890-4416-27, CH25, DB-5, 0.53mm ID, 1uL SW-846 8080	Comment	:
	HP5890-4416-27, CH26, DB-1701, 0.53mm ID, 1uL SW-846 8080		
Method Title	: PESTICIDES/PCBS SW-846 8080	Method Title	: PESTICIDES/PCBS SW-846 8080
Sample Name	: PCB 1016/1260-3 5.0 UG/ML	Sample Name	: PCB 1016/1260-3 5.0 UG/ML
Sample Id	: 505-D22-1	Sample Id	: 505-D22-1
Bottle No	: 14	Bottle No	: 14

RT(real/expected)		Peak Name		Amount/Area		RT(real/expected)		Peak Name		Amount/Area	
1.241	/0.000			0.0000	/3795	1.192	/0.000			0.0000	/1991
5.806	/0.000			0.0000	/3119	5.561	/0.000			0.0000	/1053
6.854	/0.000			0.0000	/2744	8.139	/8.136	TCMX	115%	0.5771	/171962
9.428	/9.434	TCMX	99%	0.4969	/327323	8.561	/0.000			0.0000	/3495
10.028	/0.000			0.0000	/14040	8.650	/0.000			0.0000	/10684
10.143	/0.000			0.0000	/5585	9.037	/0.000			0.0000	/8959
10.263	/0.000			0.0000	/13307	9.161	/0.000			0.0000	/4590
10.428	/0.000			0.0000	/55010	9.392	/0.000			0.0000	/9258
10.872	/0.000			0.0000	/7360	9.530	/0.000			0.0000	/37837
11.432	/0.000			0.0000	/98295	9.997	/0.000			0.0000	/5399
11.677	/0.000			0.0000	/21406	10.423	/0.000			0.0000	/53797
11.908	/0.000			0.0000	/69891	10.606	/0.000			0.0000	/601
12.419	/0.000			0.0000	/24901	10.686	/0.000			0.0000	/2468
12.659	/0.000			0.0000	/168801	10.788	/0.000			0.0000	/564
12.877	/0.000			0.0000	/82619	10.886	/0.000			0.0000	/11559
13.099	/0.000			0.0000	/67966	10.997	/0.000			0.0000	/14743
13.388	/0.000			0.0000	/3574	11.330	/0.000			0.0000	/16094
13.650	/0.000			0.0000	/15063	11.543	/0.000			0.0000	/102500
13.712	/0.000			0.0000	/23252	11.859	/0.000			0.0000	/44365
14.068	/0.000			0.0000	/76745	12.117	/0.000			0.0000	/36232
14.406	/0.000			0.0000	/78815	12.410	/0.000			0.0000	/67118
14.601	/0.000			0.0000	/21143	12.997	/0.000			0.0000	/46026
14.788	/0.000			0.0000	/3596	13.237	/0.000			0.0000	/44555
15.072	/0.000			0.0000	/5857	13.654	/0.000			0.0000	/5738
15.223	/0.000			0.0000	/50707	13.779	/0.000			0.0000	/1892
15.712	/0.000			0.0000	/4840	14.006	/0.000			0.0000	/29668
15.881	/0.000			0.0000	/34093	14.334	/0.000			0.0000	/1559
16.623	/0.000			0.0000	/3524	14.494	/0.000			0.0000	/18379
16.806	/0.000			0.0000	/14061	15.486	/0.000			0.0000	/12778
16.868	/0.000			0.0000	/16318	15.686	/15.689	PCB 1260-1		8.3087	/41074
17.179	/0.000			0.0000	/43374	15.846	/0.000			0.0000	/19606
17.294	/0.000			0.0000	/25148	16.077	/16.081	PCB 1260-2		8.0726	/61550

Reported on 17-JUN-1994 at 15:43

RT(real/expected)		Peak Name	Amount/Area		RT(real/expected)		Peak Name	Amount/Area	
17.512	/17.521	PCB 1260	4.9554	/93240	16.401	/0.000		0.0000	/3715
17.792	/0.000		0.0000	/7142	16.520	/0.000		0.0000	/8662
18.041	/0.000		0.0000	/10998	16.712	/16.717	PCB 1260-3	8.6839	/71525
18.237	/18.242	PCB 1260	4.9054	/125419	16.970	/0.000		0.0000	/13725
18.592	/18.601	PCB 1260	4.9673	/64506	17.037	/0.000		0.0000	/22381
18.810	/0.000		0.0000	/5384	17.183	/17.183	PCB 1260-4	7.9865	/44019
19.001	/19.006	PCB 1260	4.7946	/110134	17.494	/0.000		0.0000	/9867
19.152	/0.000		0.0000	/15160	17.659	/0.000		0.0000	/84945
19.414	/19.422	PCB 1260	4.7160	/71867	17.743	/17.747	PCB 1260-5	7.9807	/74315
19.583	/19.592	PCB 1260	4.2157	/43924	17.872	/0.000		0.0000	/50875
19.948	/0.000		0.0000	/11292	18.390	/0.000		0.0000	/15073
20.174	/20.183	PCB 1260	4.7932	/72666	18.597	/18.601	PCB 1260-6	8.4259	/60469
20.343	/0.000		0.0000	/48717	18.734	/0.000		0.0000	/34978
20.517	/0.000		0.0000	/25347	18.854	/0.000		0.0000	/19462
20.934	/0.000		0.0000	/28950	19.032	/0.000		0.0000	/1826
21.206	/21.214	PCB 1260	4.7498	/269052	19.206	/0.000		0.0000	/12690
21.641	/0.000		0.0000	/2865	19.414	/19.419	PCB 1260-7	6.9248	/182662
22.370	/22.380	PCB 1260	4.7954	/100434	20.148	/0.000		0.0000	/940
22.659	/22.676	PCB 1260	5.0354	/59313	20.317	/20.320	PCB 1260-8	8.2225	/32632
22.948	/22.958	PCB 1260	5.2381	/94043	20.512	/20.521	PCB 1260-9	5.4163	/130180
24.437	/0.000		0.0000	/24385	21.846	/0.000		0.0000	/22331
25.681	/25.691	PCB 1260	5.3781	/85518	22.966	/22.969	PCB 1260-10	7.3282	/59801
28.046	/0.000	$\bar{x}$ = 4.88	0.0000	/13077	24.254	/0.000	$\bar{x}$ = 7.74	0.0000	/10819
30.441	/30.471	DCB 103%	0.5154	/310327	25.001	/25.023	DCB 191%	0.9567	/218319

$\frac{4.88}{5.00}$ = 98%

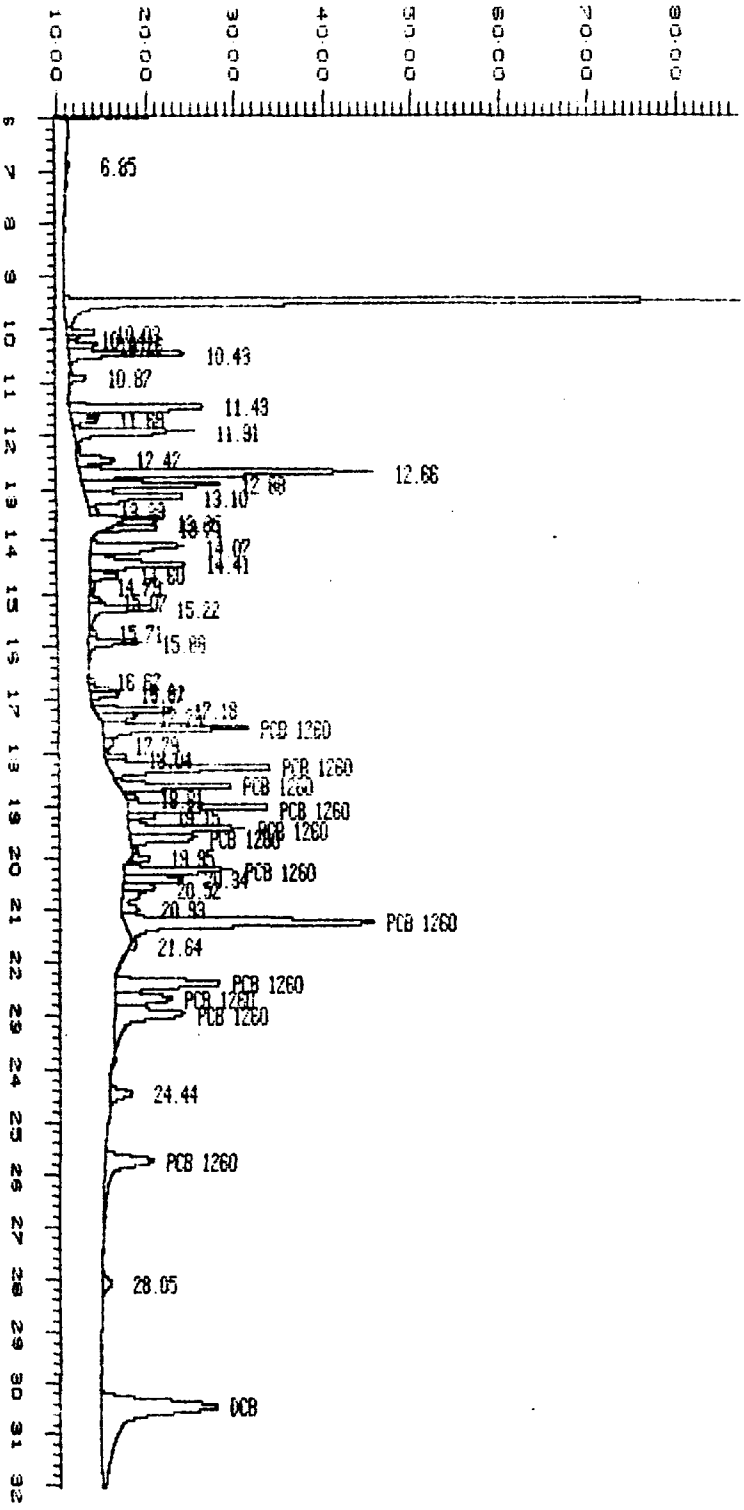
$\frac{7.74}{5.00}$ = 155%

Huntingdon VAX Multichrom V2.0

[DEFPROJECT] 25 JUN1494,21,1

PCB 1016/1260-3 5.0 UG/ML. Amount : 1.000.

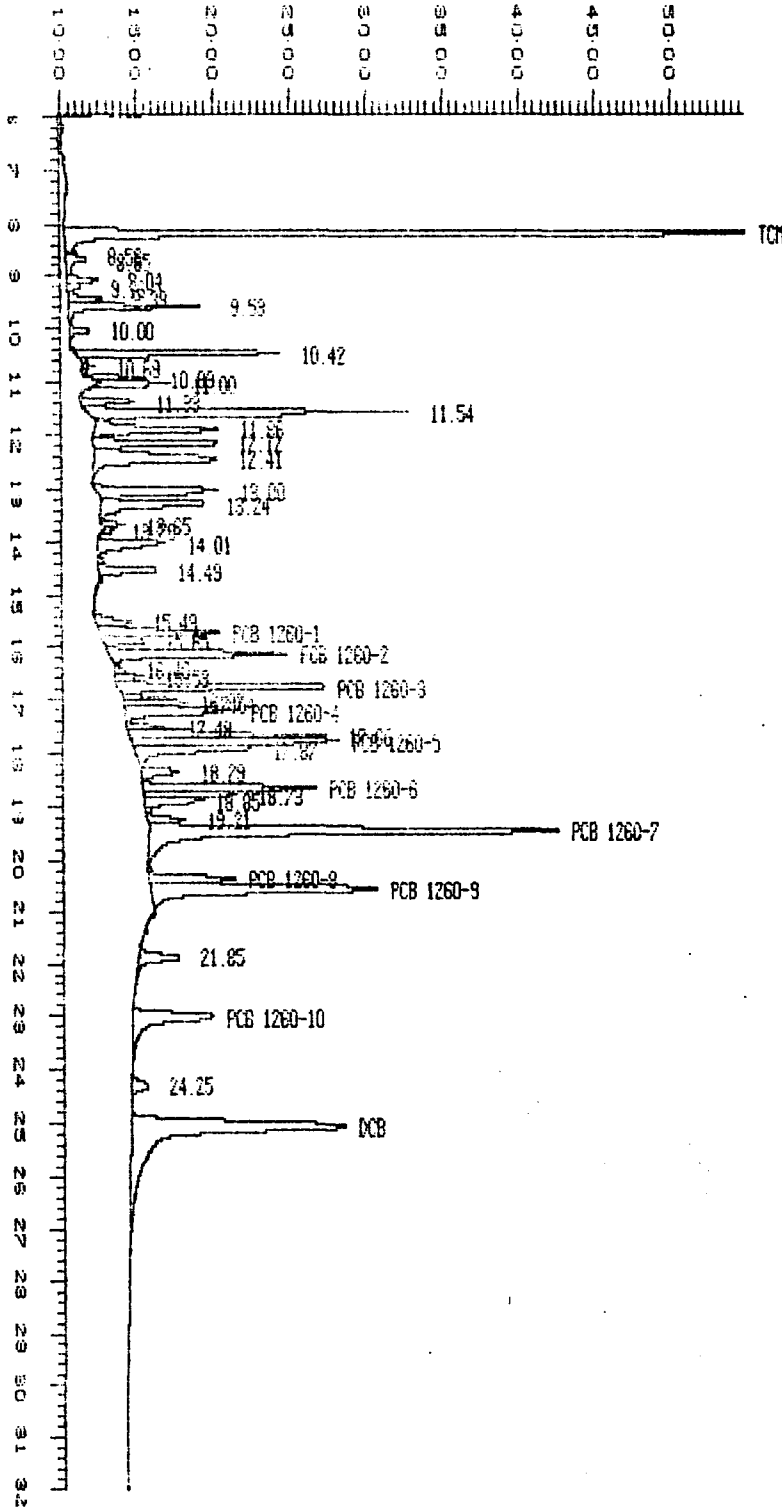
Acquired on 14-JUN-1994 at 12:45
Reported on 17-JUN-1994 at 15:43
Box 1 (of 1)



[DEFPROJECT] 26 JUN1494,21,1

PCB 1016/1260-9 5.0 UG/ML. Amount : 1.000.

Acquired on 14-JUN-1994 at 13:25
Reported on 17-JUN-1994 at 15:43
Box 1 (of 1)



Huntingdon

POLYCHLORINATED BIPHENYL RESULTS
EPA METHOD 8080

(All values are in μg/Kg which is equal to parts-per-billion)

Client ID: **Blank**

TCT ID:

Parameter:		**PQL**
PCB 1016	ND	17
PCB 1221	ND	17
PCB 1232	ND	17
PCB 1242	ND	17
PCB 1248	ND	17
PCB 1254	ND	17
PCB 1260	ND	17
% Surrogate #1 Recovery:	---%[1]	
% Surrogate #2 Recovery:	45%	

Date Extracted: 6/9/94

Date Analyzed: 6/14/94

[1]Low surrogate recovery due to interfering non-PCB peak.

All results are reported on a dry weight basis.

PQL = Practical Quantitation Limit
ND = Not Detected
Surrogate #1 = TCMX (2,4,5,6-tetrachloro-m-xylene)
Surrogate #2 = DCB (decachlorobiphenyl)

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

LABORATORY NO: 4416-94-5039

Huntingdon

POLYCHLORINATED BIPHENYL RESULTS
EPA METHOD 8080

Client ID: **CCAL**

TCT ID:

Parameter:

PCB 1260	103% Recovery
% Surrogate #1 Recovery:	99% Recovery
% Surrogate #2 Recovery:	98% Recovery

Date Analyzed: 6/14/94

PQL = Practical Quantitation Limit
ND = Not Detected
Surrogate #1 = TCMX (2,4,5,6-tetrachloro-m-xylene)
Surrogate #2 = DCB (decachlorobiphenyl)

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

LABORATORY NO: 4416-94-5039

QUALITY CONTROL LIMITS

Parameter/Matrix	Control Limit
Chlorinated Pesticides/PCBs - EPA 8080	
Surrogates: TCMX	33-129
Spikes:	
Lindane	49-151
Heptachlor	39-141
Aldrin	43-133
Deieldrin	51-141
Endrin	61-133
4,4'-DDT	13-169
Arochlor 1254	61-127

LABORATORY NO: 4416-94-5039

ECOLOGY & ENVIRONMENT, INC.

LABORATORY SERVICES REQUEST

Project Name: Sauget Area 2

Location (city/county/state): Sauget, St. Clair County, Illinois

Team Leader:	Steve Skare	OSC:	Sam Borries
Project TDD/PAN:	T05-9405-007 / EIL0837SAA	Analytical TDD/PAN:	T05-9405-804
Date Form Submitted:	5/23/94	Date Report Due:	?

Matrix	Parameter/Method	Sampling Date	Sample Shipment Date	Data Deadline Verbal	Data Deadline Hard Copy	Detection Limit	QA Level	# Samples Collect	MS	MSD	Fld Dup	Blk	Tot. # Smpl
Soil	TCLP RCRA Metals	5/27/94	5/27/94	6/13/94	6/20/94	AS PER METHOD	II	5	1	1	0	0	7
Soil	Total RCRA Metals	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Soil	TCLP SVOCs	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Soil	Total SVOCs - lg.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Soil	Dioxin - Lowres - furans	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Liq.	TCLP VOCs	↓	↓	↓	↓	↓	↓	5	1	1	↓	↓	7
Liq.	Total VOCs - lg.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Soil	PCBs/Pesticides	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Liq.	PCB/Pest.												
Liq.	Total SVOA - lg.												
Liq.	~~TCLP SVOA~~ DO NOT	NEED	LOCAL	LAB									

ANALYTICAL TDD: T05-9405-804

LABOR PAN #: EIL0837SAA

PROJECT MGR.: Steve Skare

REG. 5

Sampling Period 5-27-94 to _____

NON-CLP SUPERFUND ANALYTICAL SERVICES TRACKING FORM

A separate form should be completed for each sample group, which is defined as a group of samples that are associated with a unique site, field team, sampling period, and laboratory (if applicable). The number of samples contained in each sample group is determined by the EPA site manager.

1. Site name, city, state: SAUGET AREA TWO, EAST ST. LOUIS, IL

2. Type of activity (check all that apply): [ ] Preliminary Assessment [ ] SSI [ ] LSI
[ ] RI/FS [ ] Remedial Design [ ] Remedial Action [ ] Operation/Maintenance [ ] NPL Delisting
[ ] Removal Site Eval. [ ] Removal Action [ ] Oil Response [ ] UST Response
[ ] PRP Oversight [ ] Other, specify _____

3a. Analytical facility/equipment used (check all that apply): {} = Facility Code included for use in question 5b.
[✓] Fixed laboratory {L} [ ] Fieldable equipment {F} [ ] Temporary on-site laboratory {T}
[ ] Mobile laboratory {M} [ ] Portable equipment {P} [ ] Other {O}, specify _____

3b. Laboratory name (if applicable) Twin City Testing Corp. City, state St. Paul, MN
Subcontractor laboratory (if applicable) _____

4a. Funding lead: [✓] Superfund [ ] Other Federal Agency, specify _____
[ ] PRP [ ] State, specify _____ [ ] Other, specify affiliation _____

4b. Field Contract (Superfund lead only): [✓] TAT [ ] ERCS [ ] FIT [ ] ARCS [ ] TES
[ ] ESAT [ ] Other, specify _____
Contractor Company Ecology + Environment, Inc

5a. Total number of samples* analyzed 3

5b. Specific Analysis Information (use additional pages if necessary to identify all analyses):

Analysis Type (e.g., VOAs, Metals, PCBs)	Facility Code (see 3a)	Matrix	#Samples*	Sample Preparation Source & Method # (if none, answer 5c.)		Analysis Source & Method # (if none, answer 5c.)	
Metals (TCLP RCRA)	L	Soil	3	USEPA	200.7/7470	USEPA	200.7/7470
PCBs	L	Soil	3	USEPA	8080	USEPA	8080
SVOAs (TOTAL)	L	Soil	3	USEPA	8270	USEPA	8270
SVOAs (TCLP)	L	Soil	3	USEPA	3510/8270	USEPA	3510/8270

* #Samples = #Sampling Points + #Field QC Samples

5c. If non-standard methods were used, list below and specify if performance data are available for the matrices, analytes, and detection limits used. (Y = yes, N = No, D = Don't Know)

Non-standard sample preparation/cleanup techniques:	Matrices	Analytes	Detection Limits
_____	___	___	
_____	___	___	

Non-standard analytical methods:

_____	___	___	___
_____	___	___	___

Reference No. _____

NON-CLP SUPERFUND ANALYTICAL SERVICES TRACKING FORM

6. Reasons for selecting non-CLP analytical services for these samples (check all that apply):
[ ] Proximity to site [ ] Direct interaction with lab [ ] Unique parameter analysis [✓] Cost savings
[ ] Product control [ ] Ease of acquiring services [ ] Less paperwork [ ] Method flexibility
[ ] Quick turnaround [ ] Select locations for further analysis
[ ] Other, specify _____

7. Are the environmental data from this sampling event stored electronically and available to EPA personnel?
[ ] No [ ] Don't Know [✓] Yes, contained on: [✓] PC [ ] Mainframe (including minicomputers)

8. For laboratory analyses, what was the turnaround time? 21 days Was it met? [✓] Yes [ ] No [ ] Don't Know

9a. Document(s) where sampling, analytical, and QC requirements are defined (check all that apply):
[✓] QAPjP [ ] SAP [ ] FOP/TDD/TID [ ] Other, specify _____

9b. Document(s) approved by: [ ] ESD [✓] WMD [ ] Other, specify affiliation _____

9c. For each analytical facility/equipment used, please indicate whether the QA/QC requirements were defined in the above documents (Def) and whether compliance was adequate to meet the intended purpose (Met).

	Fixed lab		Mobile lab		On-Site lab		Fieldable		Portable		Other	
	Def	Met	Def	Met	Def	Met	Def	Met	Def	Met	Def	Met
Analytical Method(s)	Y	Y										
Sample preservation & handling												
Sample chain-of-custody												
Sample holding times							XX	XX	XX	XX		
Detection/quantification limits												
Equipment maintenance/calibration												
Documentation												
Frequency & type of QC samples	Y	Y										

Y = yes N = no R = data not reviewed for this criterion (only applicable for Met column)

10. Was the laboratory audited as part of the Superfund program by:
[ ] EPA or EPA Contractor [ ] PRP [ ] Not Audited [✓] Don't Know
Comments: _____

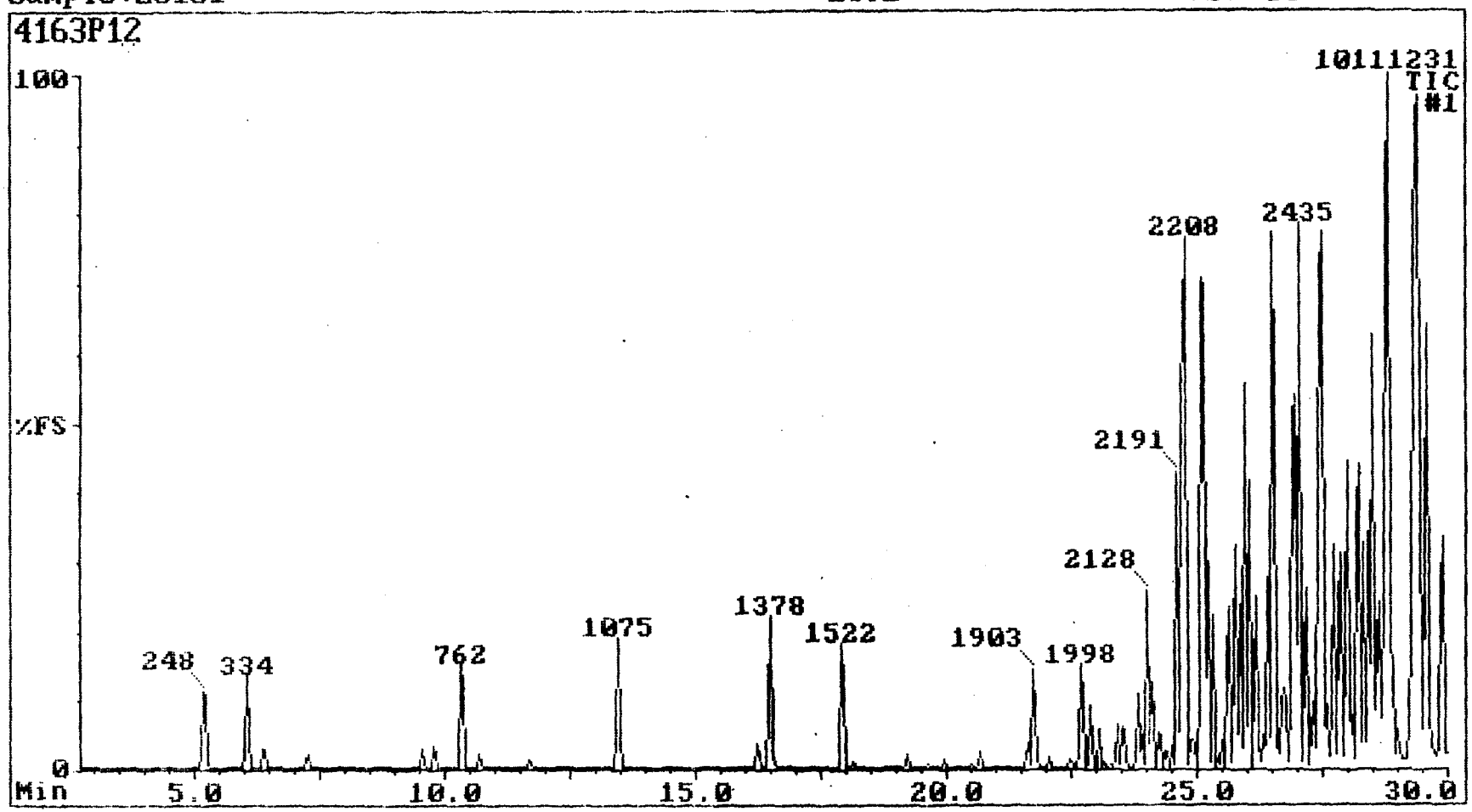
11a. Were data reviewed for technical limitations? [✓] Yes [ ] No (go to 12.)

11b. Reviewed by: [ ] ESD/ESAT [ ] User [✓] Other, specify affiliation TAT-Chemist

11c. Extent of data review: [ ] Full review of _____ % of the data
[✓] Partial review of 75 % of the data

11d. Review criteria used: [ ] CLP National Functional Guidelines
[✓] QA/QC Guidance for Removal Activities (ERT Guidance)
[✓] Other, specify OSWER DIRECTIVE 9360.4-01, April 1990

12. Were the quality and quantity of data sufficient to meet the intended purpose?
[✓] Yes [ ] No (explain below) [ ] Don't Know (explain below)
Reason: _____

Completed by: Yvette Anderson Ecology + Environment, Inc 7-26-94
Name and Affiliation Date

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