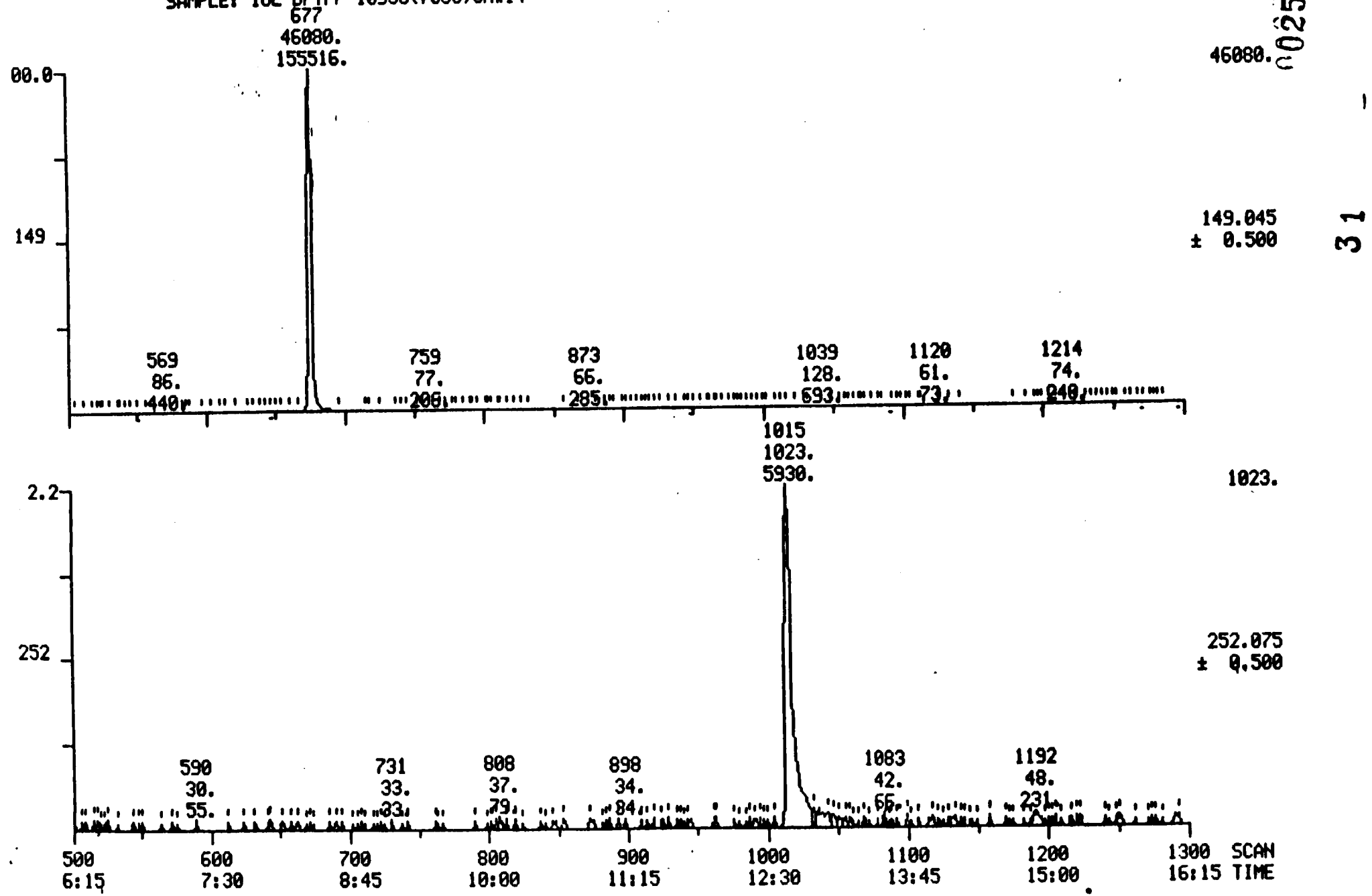
MEAD COMPUCHEM

COMPUCHEM DATA: DH840203B14 SCANS 500 TO 1300

MASS CHROMATOGRAMS
02/03/84 16:42:00
SAMPLE: 1UL DFTPP 10956(7050)ON#14

00025752



31

V. RAW QC

E.P.A. CASE NO. 2333

*A. DFTPP Reference Table
- Performance Standard Form
- Chromatogram
- Spectrum
- EICP
- M/Z Listing

*B. BFB Reference Table
- Performance Standard Form
- Spectrum
- EICP
- M/Z Listing

*C. Chromatography Check Data
- Benzidine EICPs
- Pentachlorophenol EICPs/ Calculations
- GC/EC Column Check

*D. Instrument Blank (HSL)
- Surrogate Recovery
- Tentative ID List
- Chromatogram(s)/Quantitation Report
- Mass Spectrum
- Library Search

*E. Method Blank VOA (HSL)
- Surrogate Recovery
- Tentative ID List
- Chromatogram(s)/Quantitation Report
- Mass Spectrum
- Library Search

*F. Method Blank Semi-Volatile (HSL)
- Surrogate Recovery
- Tentative ID List
- Chromatogram(s)/Quantitation Report
- Mass Spectrum
- Library Search

*G. Method Blank Pesticide (HSL)
- Surrogate Recovery Form
- Chromatogram(s)/Quantitation Report

*H. Method Blank TCDD
- Surrogate Recovery Form
- Chromatogram(s)/Quantitation Report

*I. Matrix Spike VOA (HSL)
- Surrogate Recovery Form
- Tentative ID List
- Chromatogram(s)/Quantitation Report
- Mass Spectrum
- Library Search

*J. Duplicate Matrix Spike VOA (HSL)
- Surrogate Recovery Form
- Tentative ID List
- Chromatogram(s)/Quantitation Report
- Mass Spectrum
- Library Search

*K. Matrix Spike Semi-Volatile
- Surrogate Recovery Form
- Tentative ID List
- Chromatogram(s)/Quantitation Report
- Mass Spectrum
- Library Search

*L. Duplicate Matrix Spike Semi-Volatile
- Surrogate Recovery Form
- Tentative ID List
- Chromatogram(s)/Quantitation Report
- Mass Spectrum
- Library Search

*M. Matrix Spike Pesticide
- Surrogate Recovery Form
- Tentative ID List
- Chromatogram(s)/Quantitation Report
- Mass Spectrum
- Library Search

*N. Duplicate Matrix Spike Pesticide
- Surrogate Recovery Form
- Tentative ID List
- Chromatogram(s)/Quantitation Report
- Mass Spectrum
- Library Search

*O. Sample Preparation Package
- GC/FID Chromatogram(s)
- GC Screen Data Sheets

*Sequence repeated as required

The items deliverable under blanks and matrix spikes and duplicate matrix spikes sections have been described in similar sections of the indexed tabs for the samples. % Recovery and RPD criteria are described in the Summary, Section II.C. Blank criteria applied are as follows, from Exhibit E, page 8-9 of 63:

If an HSL compound is detected in the blank, the blank value is utilized in the calculation of the sample according to the following options. Results of reagent blank analysis shall be reported using the Organic Analysis Data Sheet (see Exhibit B).

1. If the concentration in the blank is less than or equal to ½ of the method detection limit (reference Exhibit C: HSL Compounds and Method Detection Limits), the blank value is ignored.
2. If the concentration in the blank is greater than ½ of the method detection limit and is less than or equal to ½ the concentration detected in a sample, subtract the concentration in the blank from the concentration in the sample. Record the corrected value and indicate that this has been done by placing a "C" in the flag column of the data sheet.
3. If the concentration in the blank is greater than ½ of the method detection limit and if the blank concentration is greater than ½ the concentration detected in a sample, correction is not possible and the compound should be reported as "ND" but with a "B" in the flag column of the data sheet. The cause of this high blank should be determined and corrected before additional samples are analyzed.

025733

025134

A

025740

SEMI-VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. _____ CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762, 68-01-6866
LOW LEVEL _____ MED. LEVEL _____ HIGH LEVEL _____
WATER _____ SOIL/SED. _____ OTHER (Specify) _____

Date: 2/6/84 DFTPP File Name: DH840206C15 Shift: C Analyst: 754

Mass	DFTPP Ion Abundance Criteria	% Relative Abundance
51	30.00 to 60.00 % of mass 198	56
68	less than 2.00 % of mass 69	— (.)[1]
69	mass 69 relative abundance	51
70	less than 2.00% of mass 69	— (.)[2]
127	40.00 to 60.00 % of mass 198	49
197	less than 1.00% of mass 198	—
198	base peak, 100 percent	100
199	5.00 to 9.00 % of mass 198	8
275	10.00 to 30.00 % of mass 198	17
365	greater than 1.00% of mass 198	2
441	present but less mass than 443	7
442	greater than 40.00% of mass 198	49
443	17.00 to 23.00% of mass 442	10 (20)[3]

DFTPP and BFB Performance Results:

☐ The DFTPP performance results were reviewed and found to be within the specified criteria.

Initials: [illegible] Date: 2-6-84

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials _____ Date _____

Comments:

Pentachlorophenol Response Factor = $\frac{40}{\text{Area 188}} \times \frac{\text{Area 266}}{50} =$ 0.06

Benzidine Detectable ☑ Yes ☐ No

Area (Counts) 40 ng D10 Anthracene = 49017

Di-N-Butyl Phthalate Saturated ☐ Yes ☑ No

025741

[1] Figure in (.) is % of mass 69

[2] Figure in (.) is % of mass 69

[3] Figure in (.) is % of mass 442

31

1029

Revision Date 1/31/84, PEM

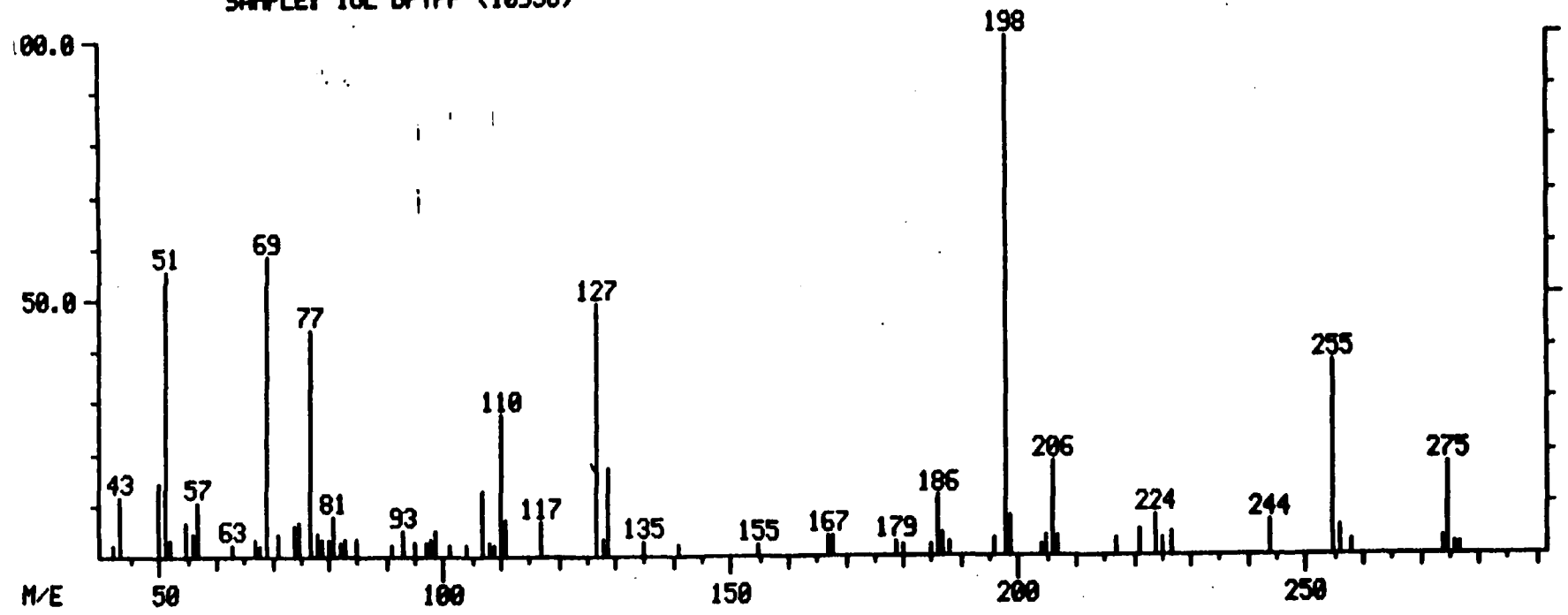
FORM VII

MEAD COMPUCHEM

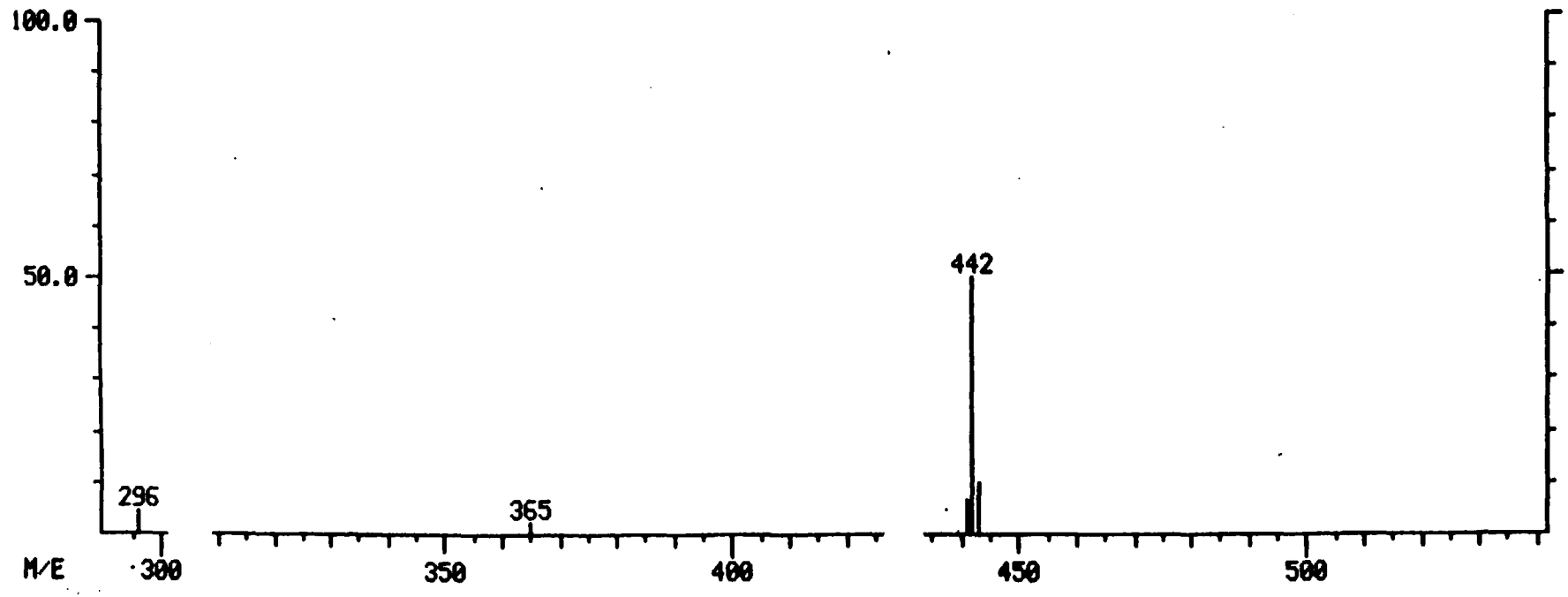
MASS SPECTRUM
02/06/84 0:35:00 + 10:02
SAMPLE: 1UL DFTPP (10956)

DATA: DH840206C15 #803

BASE M/E: 198
RIC: 15264.



1980.

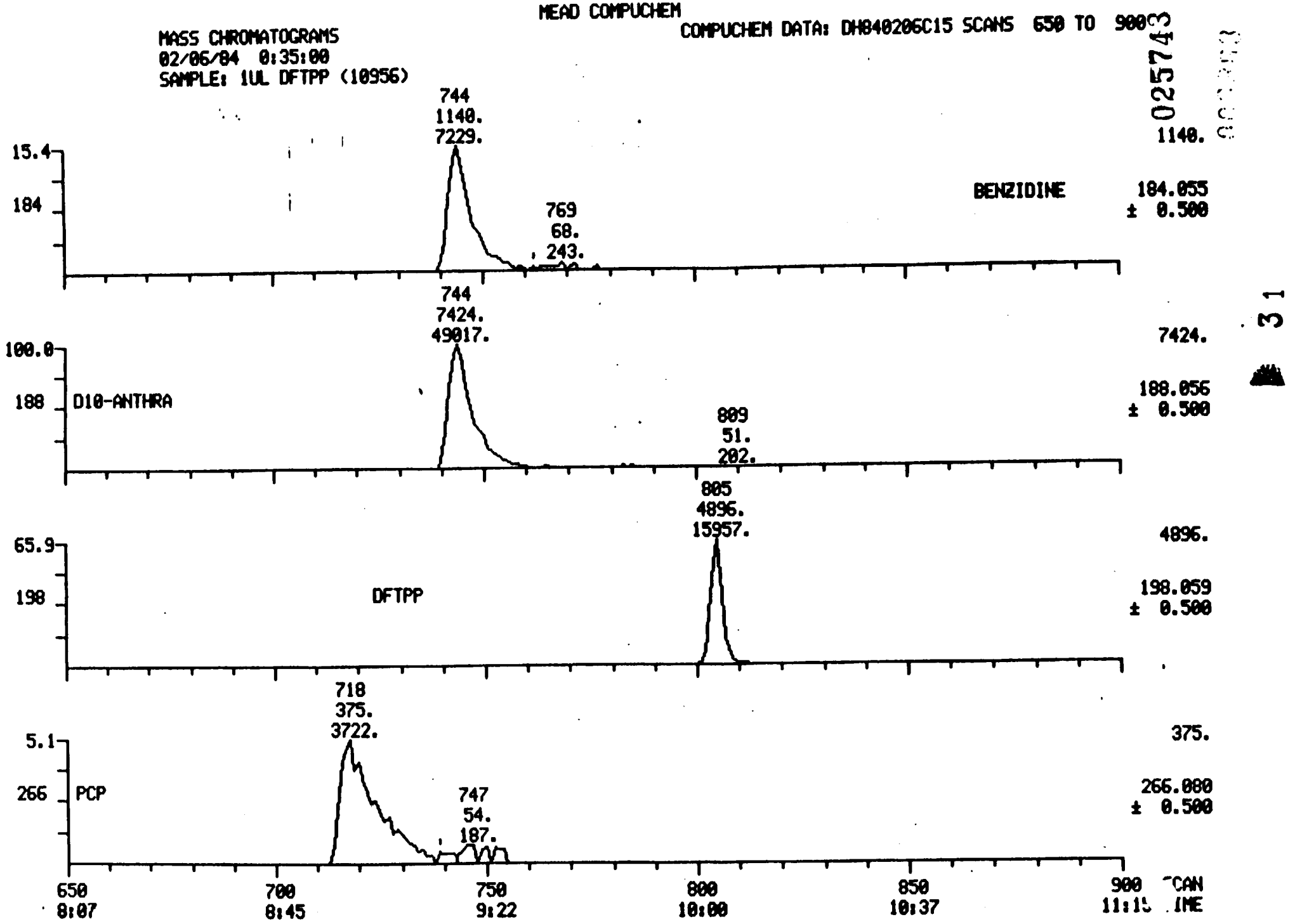


1980.
10.

0037412

0037362

31


MEAD COMPUCHEM
COMPUCHEM DATA: DH840206C15 SCANS 650 TO 900
MASS CHROMATOGRAMS
02/06/84 0:35:00
SAMPLE: 1UL DFTPP (10956)
744
1140.
7229.
15.4
184
BENZIDINE
184.055
± 0.500
769
68.
243.
1140.
744
7424.
49017.
100.0
188
D10-ANTHRA
809
51.
202.
7424.
188.056
± 0.500
805
4896.
15957.
65.9
198
DFTPP
4896.
198.059
± 0.500
718
375.
3722.
5.1
266
PCP
747
54.
187.
375.
266.000
± 0.500
650
8:07
700
8:45
750
9:22
800
10:00
850
10:37
900
11:15
SCAN
TIME

MASS LIST DATA: DH840206C15 # 803 BASE M/E: 198
02/06/84 0:35:00 + 10:02 RIC: 13392.
SAMPLE: 1UL DFTPP (10956)
#803 - #1425 X1.00

0 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 1980.
+43 # 0 MAXIMA

MASS	% RA	MASS	% RA
50	14.19	255	37.53
51	55.56	256	5.56
52	3.43	258	2.93
56	0.86	274	3.18
63	2.27	275	17.42
67	0.56	276	2.17
69	51.06	277	2.17
74	5.91	296	4.49
75	6.52	365	2.27
77	42.02	441	6.67
78	4.24	442	49.39
79	0.25	443	10.00
80	3.28		
81	1.52		
82	0.15		
93	2.42		
98	3.13		
99	4.70		
101	2.07		
104	2.27		
107	12.88		
108	2.47		
10	27.58		
111	4.60		
117	6.36		
127	49.09		
128	3.03		
129	16.97		
141	2.07		
155	2.02		
167	3.64		
168	3.59		
179	2.93		
180	2.27		
185	2.17		
186	11.67		
187	4.34		
188	2.63		
196	3.08		
198	100.00		
199	7.58		
204	2.27		
205	3.84		
206	17.98		
217	3.33		
221	4.75		
224	7.73		
225	3.08		
27	4.29		
244	6.57		

SEMI-VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. _____ CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762, 68-01-6866
LOW LEVEL _____ MED. LEVEL _____ HIGH LEVEL _____
WATER _____ SOIL/SED. _____ OTHER (Specify) _____

Date: 2/11/84 DFTPP File Name: DH8402114A14 Shift: A Analyst: JS4

Mass	DFTPP Ion Abundance Criteria	% Relative Abundance
51	30.00 to 60.00 % of mass 198	36
68	less than 2.00 % of mass 69	— (.)[1]
69	mass 69 relative abundance	39.88
70	less than 2.00% of mass 69	— (.)[2]
127	40.00 to 60.00 % of mass 198	42.17
197	less than 1.00% of mass 198	—
198	base peak, 100 percent	100
199	5.00 to 9.00 % of mass 198	6.83
275	10.00 to 30.00 % of mass 198	18.91
365	greater than 1.00% of mass 198	2.25
441	present but less mass than 443	6.35
442	greater than 40.00% of mass 198	43.50
443	17.00 to 23.00% of mass 442	7.57 (17.4)[3]

DFTPP and BFB Performance Results:

☐ The DFTPP performance results were reviewed and found to be within the specified criteria.

DMA 2/14/84
Initials Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

Pentachlorophenol Response Factor = $\frac{40}{\text{Area 188}} \times \frac{\text{Area 266}}{50} =$ 0.10

Benzidine Detectable ☑ Yes ☐ No

Area (Counts) 40 ng D10 Anthracene = 47642

Di-N-Butyl Phthalate Saturated ☐ Yes ☑ No

[1] Figure in (.) is % of mass 69

[2] Figure in (.) is % of mass 69

[3] Figure in (.) is % of mass 442

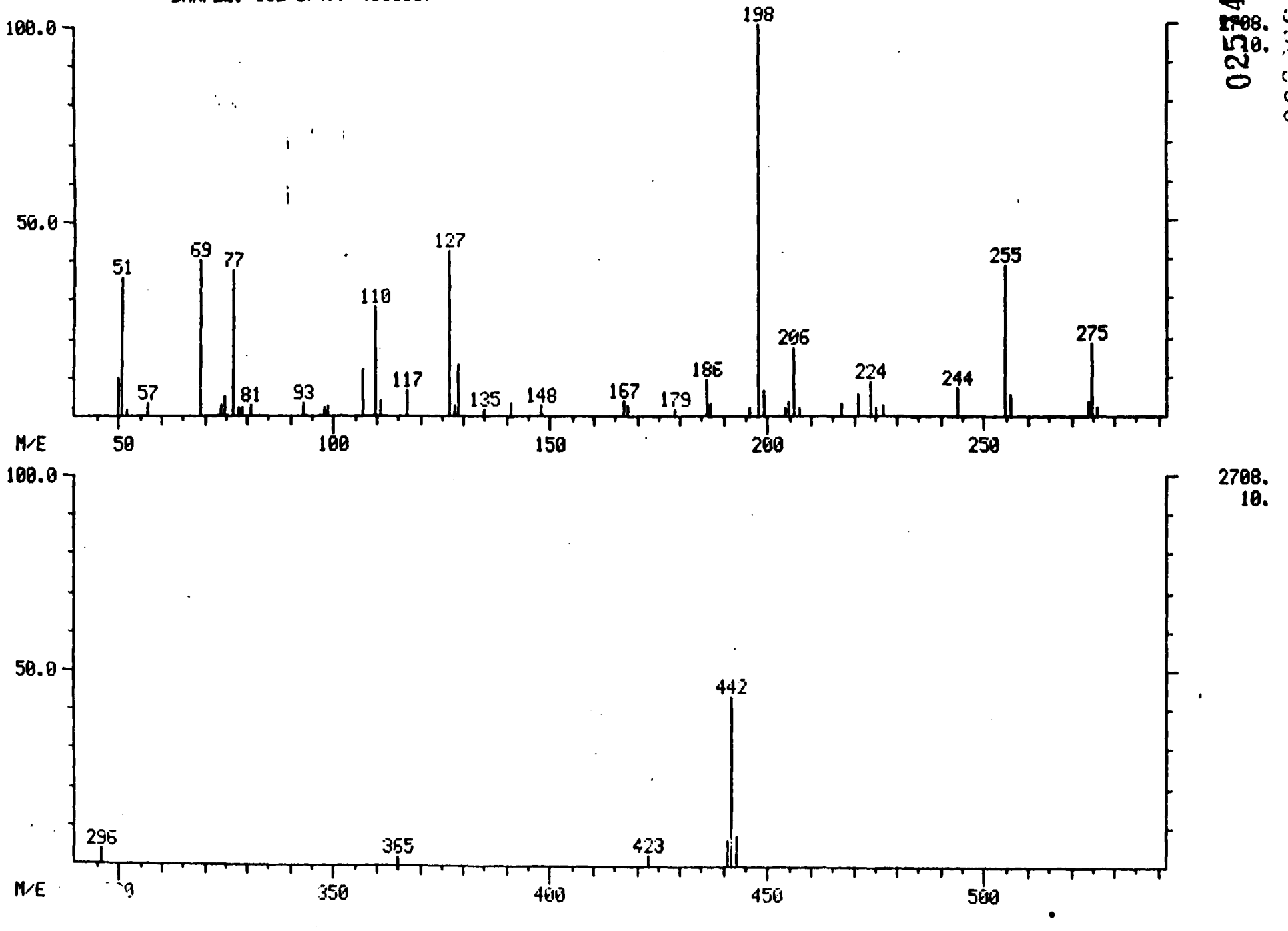
025745

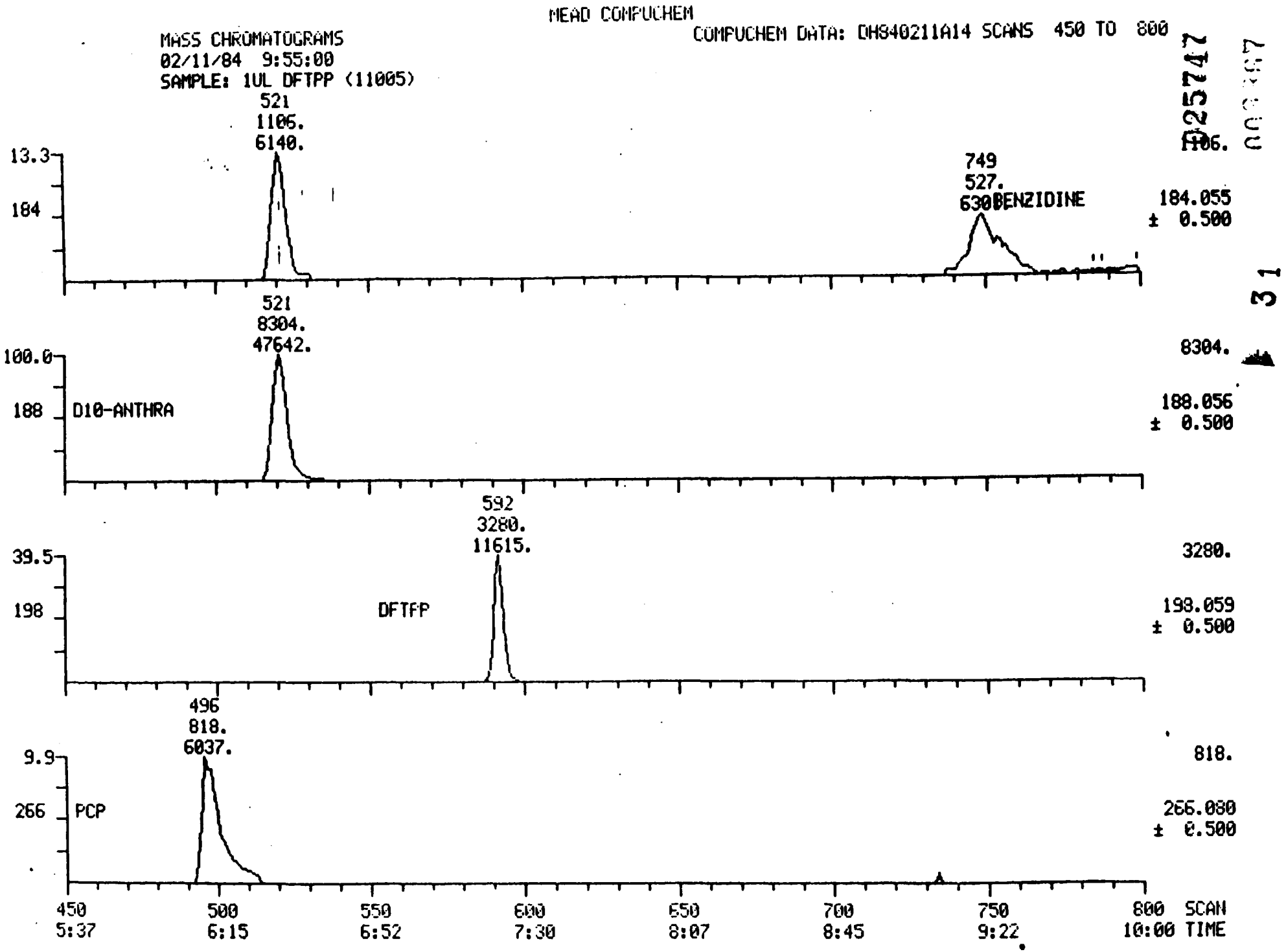
Revision Date 1/31/84, PEM

MEAD COMPUCHEM

MASS SPECTRUM
02/11/84 9:55:00 + 7:23
SAMPLE: 1UL DFTPP (11005)

DATA: DH340211A14 #591
BASE M/E: 198
RIC: 16000.




MEAD COMPUCHEM
COMPUCHEM DATA: DH840211A14 SCANS 450 TO 800
MASS CHROMATOGRAMS
02/11/84 9:55:00
SAMPLE: 1UL DFTPP (11005)
521
1106.
6140.
13.3
184
749
527.
630
BENZIDINE
184.055
± 0.500
1106.
521
8304.
47642.
100.0
188
D10-ANTHRA
8304.
188.056
± 0.500
592
3280.
11615.
39.5
198
DFTPP
3280.
198.059
± 0.500
496
818.
6037.
9.9
266
PCP
818.
266.080
± 0.500
450
5:37
500
6:15
550
6:52
600
7:30
650
8:07
700
8:45
750
9:22
800
10:00
SCAN
TIME

MEAD COMPUCHEM

MASS LIST
DATA: DH840211A14 # 591
BASE M/E: 198
02/11/84 9:55:00 + 7:23
RIC: 16000.
SAMPLE: 1UL DFTPP (11005)

50 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 2708.
443 # 0 MAXIMA

MASS	% RA	MASS	% RA
50	9.79	442	43.50
51	35.75	443	7.57
52	1.92		
57	3.06		
69	39.88		
74	2.51		
75	4.80		
77	37.52		
78	2.33		
79	2.29		
81	2.62		
93	3.36		
98	2.36		
99	2.95		
107	12.19		
110	27.95		
111	3.88		
117	6.46		
127	42.17		
128	2.62		
129	13.26		
135	1.88		
141	3.03		
148	2.51		
167	3.99		
168	2.81		
179	1.92		
186	9.34		
187	3.29		
196	2.14		
198	100.00		
199	6.83		
204	2.18		
205	3.66		
206	17.58		
207	2.36		
217	3.43		
221	5.24		
224	8.83		
225	2.44		
227	2.92		
244	7.31		
255	38.70		
256	5.39		
274	3.69		
275	18.91		
276	2.25		
296	3.58		
365	2.25		
423	2.81		
441	6.35		

025743

CASE NO. _____ CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762, 68-01-6866
LOW LEVEL _____ MED. LEVEL _____ HIGH LEVEL _____
WATER _____ SOIL/SED. _____ OTHER (Specify) _____

DFTPP File Name: DH840203B14
Date: 2/3/84 Shift: D Analyst: 755

Mass	DFTPP Ion Abundance Criteria	% Relative Abundance
51	30.00 to 60.00 % of mass 198	51.09
68	less than 2.00 % of mass 69	— (.)[1]
69	mass 69 relative abundance	44.63
70	less than 2.00% of mass 69	— (.)[2]
127	40.00 to 60.00 % of mass 198	52.64
197	less than 1.00% of mass 198	—
198	base peak, 100 percent	100.00
199	5.00 to 9.00 % of mass 198	6.34
275	10.00 to 30.00 % of mass 198	18.58
365	greater than 1.00% of mass 198	2.33
441	present but less mass than 443	10.46
442	greater than 40.00% of mass 198	77.45
443	17.00 to 23.00% of mass 442	14.50 (18.72)[3]

DFTPP and BFB Performance Results:

☑ The DFTPP performance results were reviewed and found to be within the specified criteria.

Initials Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

Pentachlorophenol Response Factor = $\frac{40}{\text{Area 188}} \times \frac{\text{Area 266}}{50} =$ 0.13

Benzidine Detectable ☑ Yes ☐ No

Area (Counts) 40 ng D10 Anthracene = 40668

Di-N-Butyl Phthalate Saturated ☐ Yes ☑ No

[1] Figure in (.) is % of mass 69

[2] Figure in (.) is % of mass 69

[3] Figure in (.) is % of mass 442

025743

01

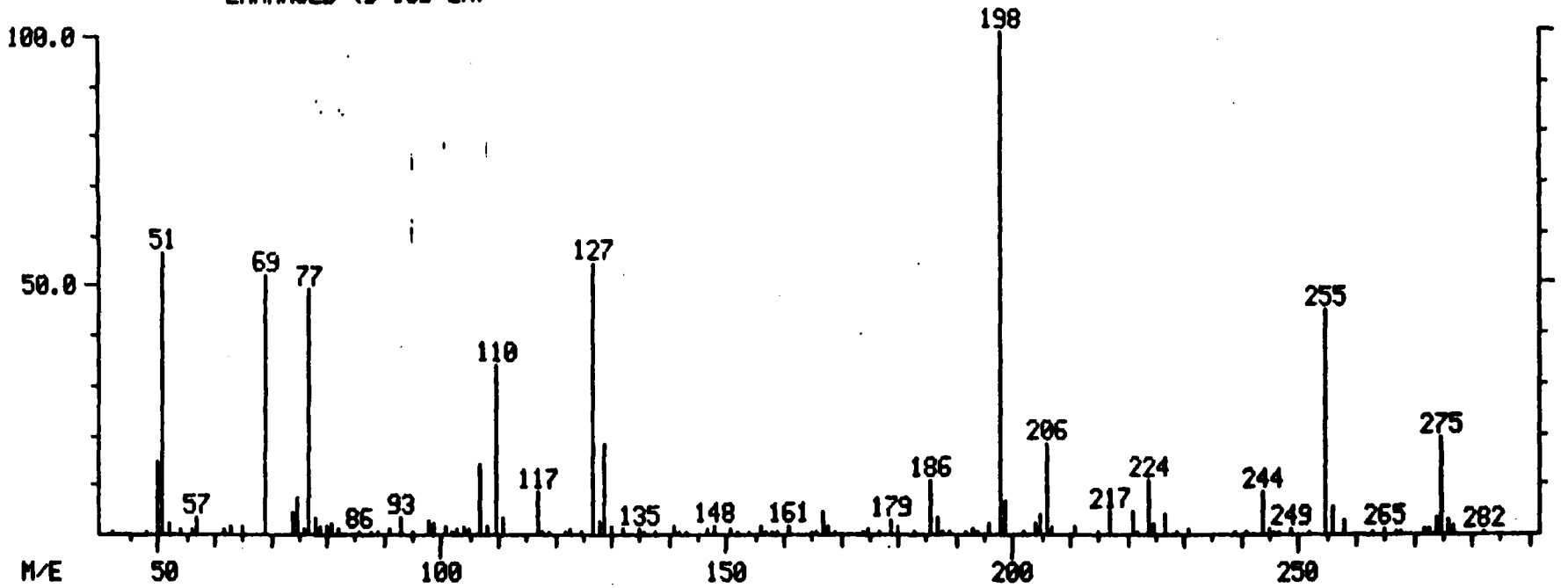
Revision Date 1/31/84, PEM

FORM VII

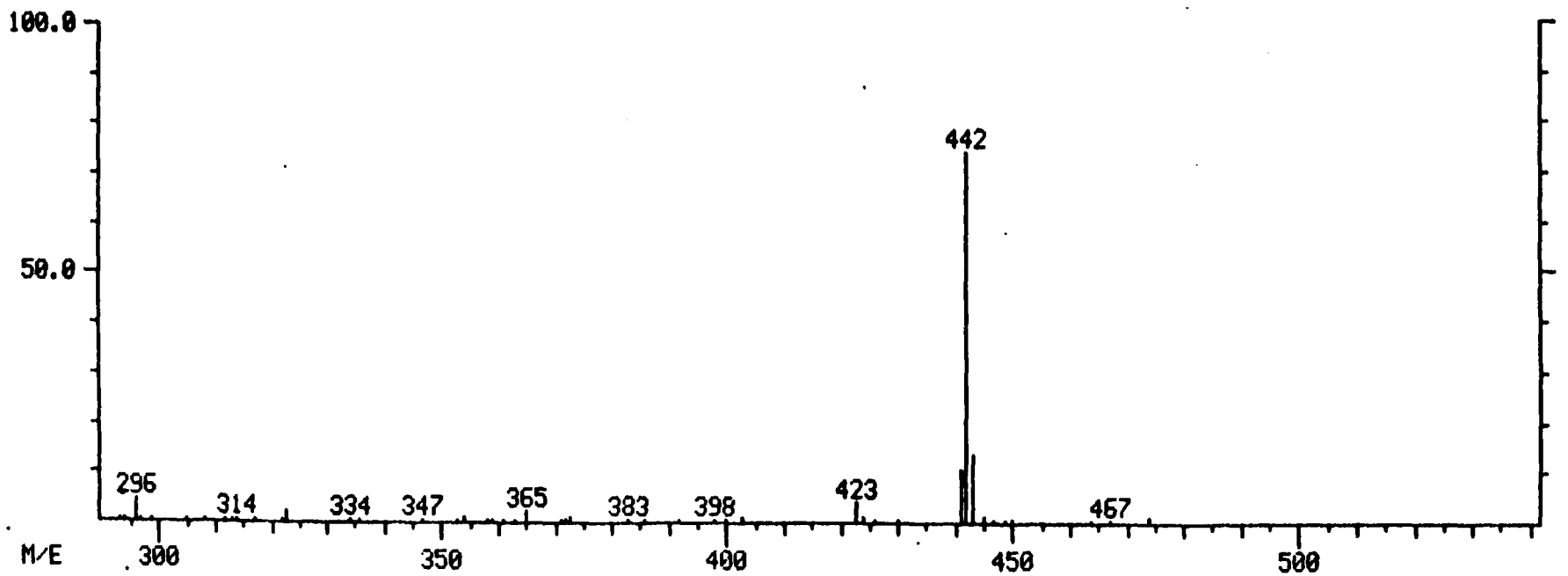
MASS SPECTRUM
02/03/84 16:42:00 + 7:54
SAMPLE: 1UL DFTPP 10956(7050)ON#14
ENHANCED (S 15B 2N)

DATA: DH840203B14 #632

BASE M/E: 198
RIC: 20864.



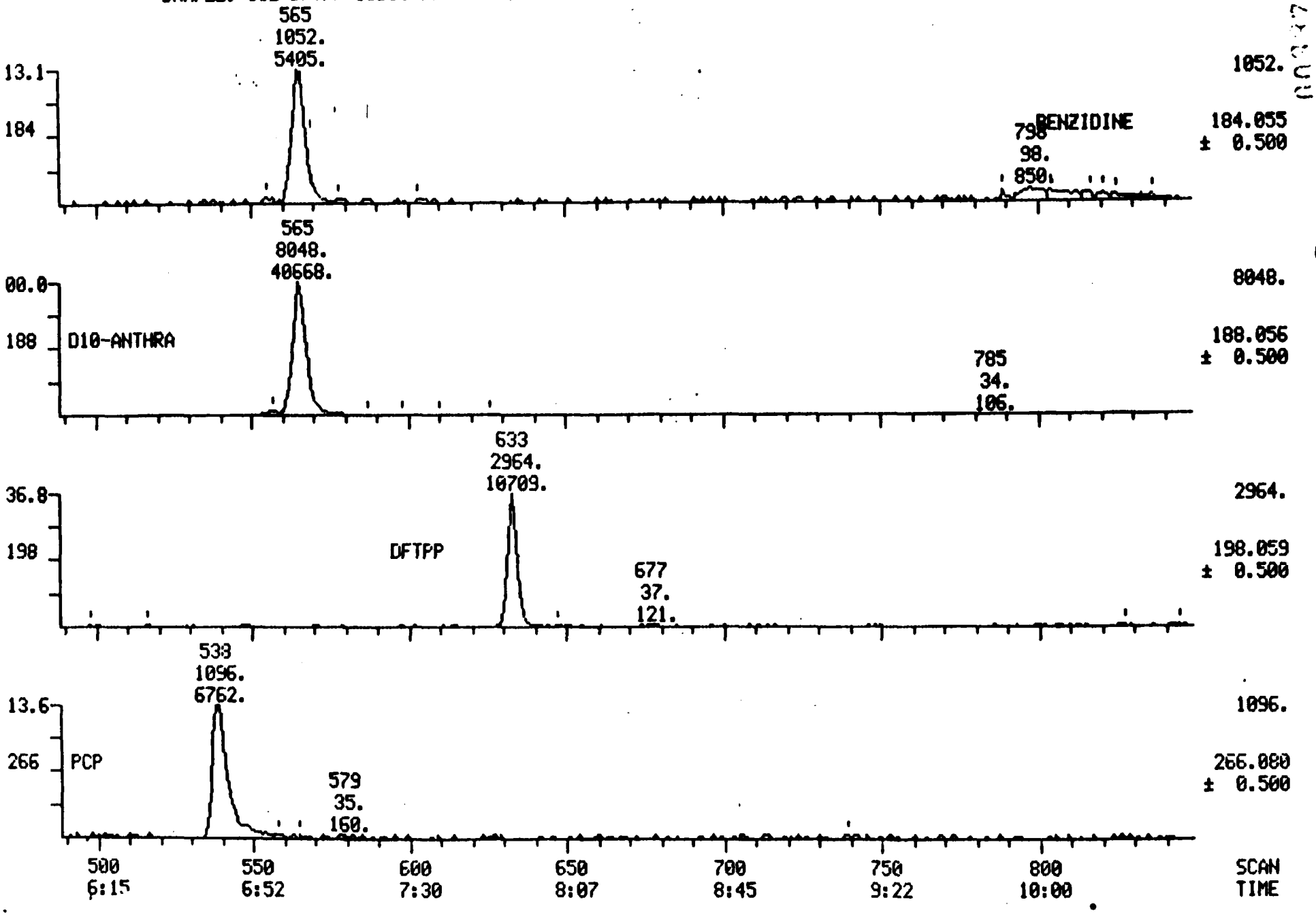
2492.
10.



MEAD COMPUCHEM

MASS CHROMATOGRAMS
02/03/84 16:42:00
SAMPLE: 1UL DFTPP 10956(7050)ON#14

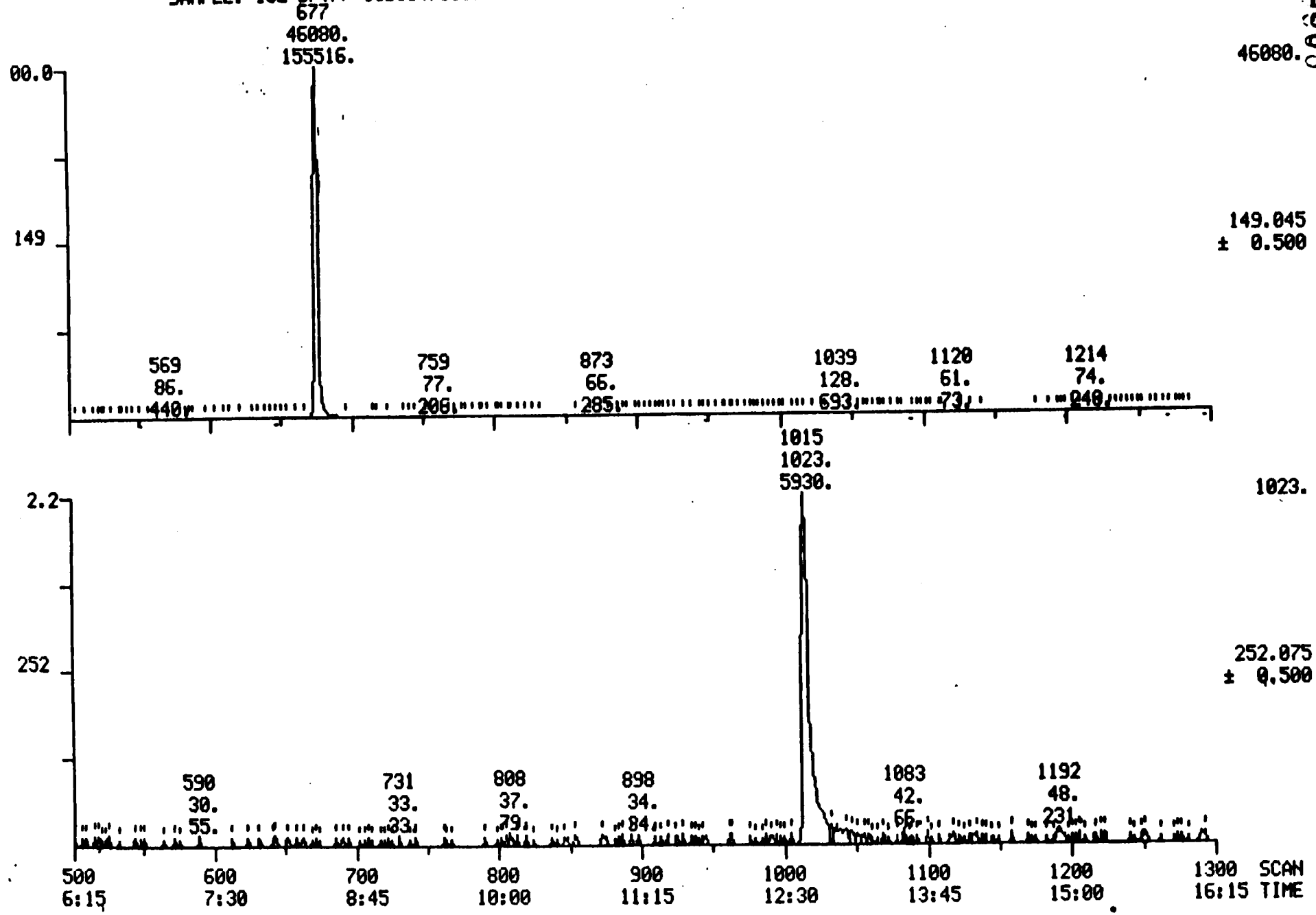
COMPUCHEM DATA: DH840203B14 SCANS 488 TO 848



MEAD COMPUCHEM

COMPUCHEM DATA: DH840203B14 SCANS 500 TO 1300

MASS CHROMATOGRAMS
02/03/84 16:42:00
SAMPLE: 1UL DFTPP 10956(7050)ON#14



MASS LIST DATA: DH840203B14 # 632 BASE M/E: 198
02/03/84 16:42:00 + 7:54 RIC: 19488.
SAMPLE: 1UL DFTPP 10956(7050)ON#14
#632 - #301 X1.00

50 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 2572.
474 # 0 MAXIMA

MASS	% RA	MASS	% RA	MASS	% RA
50	12.75	188	1.05	313	1.09
51	51.09	189	0.82	317	1.40
52	1.05	192	0.62	323	2.84
56	0.19	193	0.19	334	1.48
57	2.92	194	0.86	336	0.86
63	0.35	196	1.36	343	1.28
69	44.63	198	100.00	347	0.93
74	2.14	199	6.34	353	0.58
75	2.22	200	0.93	354	1.40
77	45.41	202	1.59	357	1.01
80	0.82	204	2.72	359	1.32
88	0.08	205	2.88	362	1.01
93	0.31	206	18.93	365	2.33
99	1.83	211	1.94	371	0.89
101	0.78	215	1.48	372	1.05
102	0.82	217	4.82	383	1.40
107	11.63	221	4.47	387	0.93
108	1.28	222	1.05	392	1.24
110	31.42	224	10.34	394	0.08
111	2.22	225	1.32	396	1.09
117	6.14	227	4.08	403	0.82
118	1.09	228	0.89	410	0.93
123	0.39	231	1.36	418	1.21
127	52.64	235	1.21	423	4.59
128	2.37	236	0.82	424	0.54
129	15.67	242	0.93	428	0.82
130	1.44	244	8.79	430	0.12
132	0.93	245	0.35	433	0.78
135	0.62	246	1.28	435	0.93
137	0.31	247	1.01	441	10.46
138	1.21	252	0.89	442	77.45
140	0.97	255	44.95	443	14.50
142	1.21	256	6.34	457	0.97
144	0.86	258	2.57	464	1.05
148	0.58	263	1.36	467	0.82
149	0.23	265	0.23	472	0.78
156	1.09	267	0.19	474	1.83
157	0.82	272	1.21		
158	0.93	274	3.65		
167	4.94	275	18.58		
168	2.10	276	2.49		
169	1.40	277	1.01		
174	0.93	282	1.48		
177	0.97	284	0.93		
179	1.79	285	0.86		
180	1.52	294	0.82		
181	1.48	296	5.48		
185	1.24	299	0.82		
186	9.99	303	1.01		
187	1.79	305	0.78		

025753

SEMI-VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. _____ CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762, 68-01-6866
LOW LEVEL _____ MED. LEVEL _____ HIGH LEVEL _____
WATER _____ SOIL/SED. _____ OTHER (Specify) _____

DFTPP File Name: DH840203B16
Date: 2/3/84 Shift: B Analyst: 755

Mass	DFTPP Ion Abundance Criteria	% Relative Abundance
51	30.00 to 60.00 % of mass 198	45.68
68	less than 2.00 % of mass 69	— (.)[1]
69	mass 69 relative abundance	53.11
70	less than 2.00% of mass 69	— (.)[2]
127	40.00 to 60.00 % of mass 198	41.67
197	less than 1.00% of mass 198	—
198	base peak, 100 percent	100.00
199	5.00 to 9.00 % of mass 198	7.46
275	10.00 to 30.00 % of mass 198	20.74
365	greater than 1.00% of mass 198	2.37
441	present but less mass than 443	8.64
442	greater than 40.00% of mass 198	64.24
443	17.00 to 23.00% of mass 442	11.77 (18.32)[3]

DFTPP and BFB Performance Results:

☐ The DFTPP performance results were reviewed and found to be within the specified criteria.

Initials _____ Date 2-22-84

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials _____ Date _____

Comments:

Pentachlorophenol Response Factor = $\frac{40}{\text{Area 188}} \times \frac{\text{Area 266}}{50} = 0.13$

Benzidine Detectable ☑ Yes ☐ No
Area (Counts) 40 ng D10 Anthracene = 36936
Di-N-Butyl Phthalate Saturated ☐ Yes ☑ No

[1] Figure in (.) is % of mass 69
[2] Figure in (.) is % of mass 69
[3] Figure in (.) is % of mass 442

025754

31

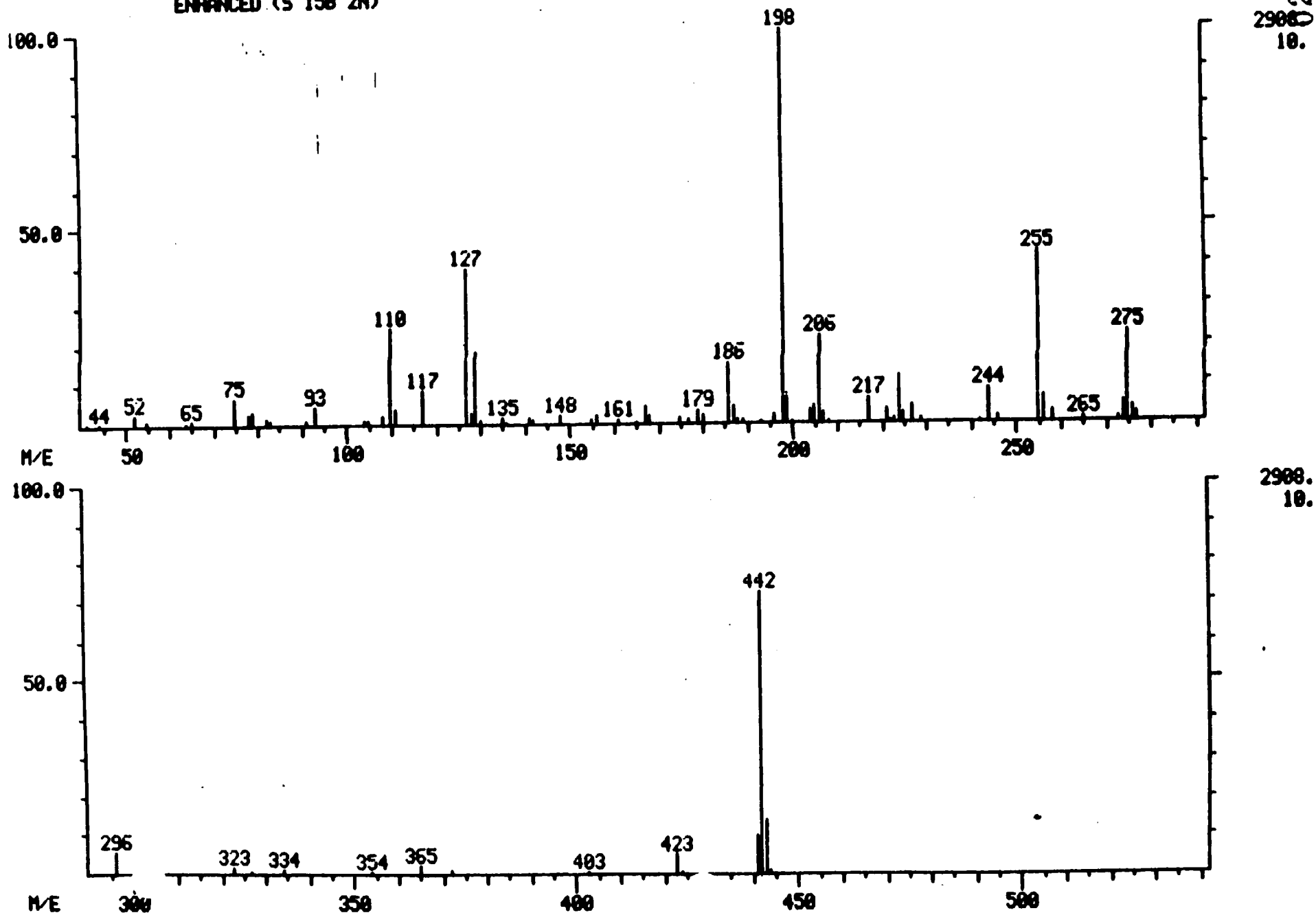
Revision Date 1/31/84
PEM

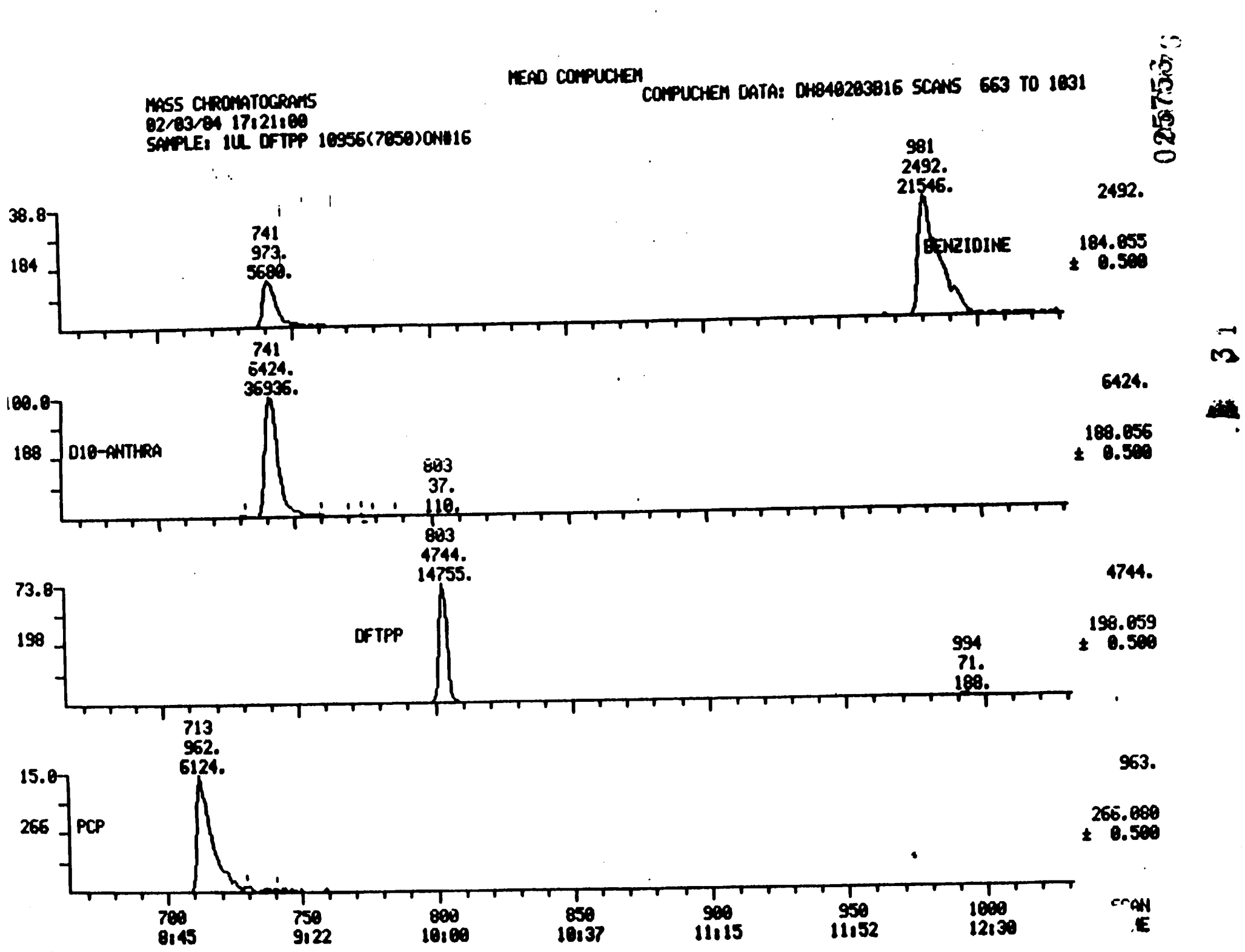
MEAD COMPUCHEM

MASS SPECTRUM
02/03/04 17:21:00 + 10:01
SAMPLE: 1UL DFTPP 10956(7050)ON#16
ENHANCED (5 15B 2N)

DATA: DH840203B16 #802

BASE M/E: 198
RIC: 16760.




MEAD COMPUCHEM
COMPUCHEM DATA: DH840203B16 SCANS 663 TO 1831
MASS CHROMATOGRAMS
02/03/84 17:21:00
SAMPLE: 1UL DFTPP 10956(7050)ON816
981
2492.
21546.
2492.
38.8
184
741
973.
5680.
BENZIDINE
184.055
± 0.500
741
6424.
36936.
6424.
100.0
188
D10-ANTHRA
803
37.
110.
188.056
± 0.500
803
4744.
14755.
4744.
73.8
198
DFTPP
994
71.
188.
198.059
± 0.500
713
962.
6124.
963.
15.0
266
PCP
266.000
± 0.500
700
8:45
750
9:22
800
10:00
850
10:37
900
11:15
950
11:52
1000
12:30
SCAN
NE

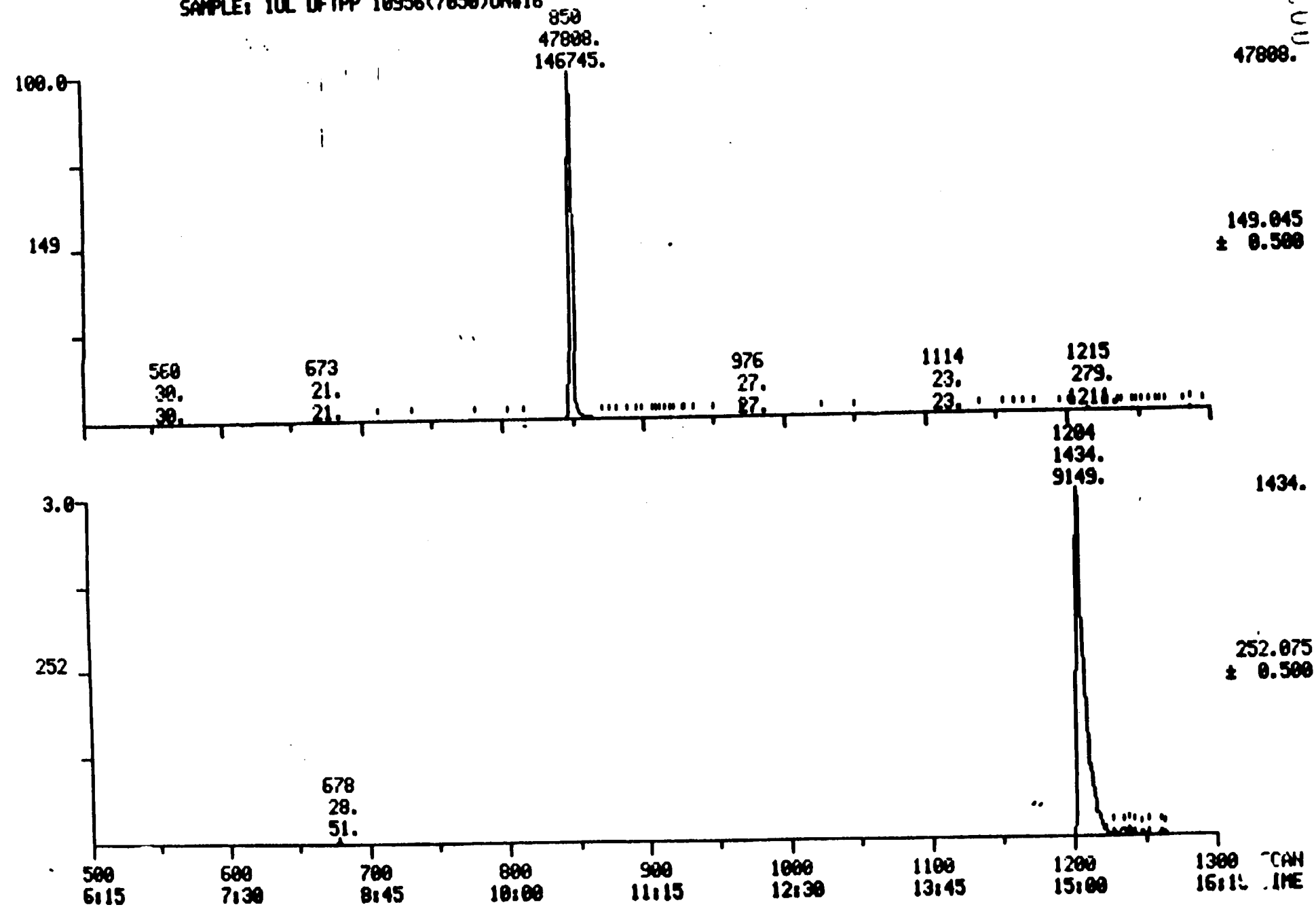
MEAD COMPUCHEM

COMPUCHEM DATA: DH840203B16 SCANS 500 TO 1300

MASS CHROMATOGRAMS
02/03/84 17:21:00
SAMPLE: 1UL DFTPP 10956(7050)DN#16

025757

31



MEAD COMPUCHEM

MASS LIST DATA: DH840203B16 # 802 BASE M/E: 198
02/03/84 17:21:00 + 10:01 RIC: 59136.
SAMPLE: 1UL DFTPP 10956(7050)DN#16
#802 TO #803 SUMMED

41 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 7584.
444 # 0 MAXIMA

MASS	% RA	MASS	% RA	MASS	% RA
41	1.23	127	41.67	218	0.54
43	1.27	128	3.06	221	3.80
44	1.61	129	17.96	222	0.58
50	14.66	130	1.57	223	1.02
51	45.68	134	0.50	224	11.45
52	2.68	135	1.78	225	2.80
53	0.26	136	0.37	227	4.46
55	0.91	137	0.71	228	0.36
56	1.71	141	1.99	229	1.09
57	4.84	142	0.98	242	0.40
61	0.41	143	0.55	243	0.34
62	0.36	147	0.95	244	7.92
63	2.10	148	2.16	245	0.62
64	0.41	149	0.41	246	1.60
65	1.48	153	1.02	255	41.35
67	0.30	154	0.46	256	6.36
69	53.11	155	1.36	258	2.54
73	0.83	156	2.07	265	1.17
74	4.17	160	0.66	273	1.27
75	7.42	161	1.44	274	4.67
76	1.28	165	0.80	275	20.94
77	42.09	167	4.80	276	3.39
78	3.40	168	2.49	277	2.08
79	3.42	173	0.41	296	5.23
80	2.53	174	1.17	297	0.32
81	4.07	175	1.85	303	0.42
82	1.42	176	0.29	315	0.46
83	1.29	177	1.21	323	1.96
85	0.53	179	3.12	324	0.29
86	0.37	180	2.35	327	0.26
91	1.11	181	1.00	334	1.33
92	0.92	185	1.09	352	0.36
93	4.64	186	14.58	353	0.26
94	0.36	187	4.32	354	0.82
95	0.26	188	0.76	365	2.37
98	3.43	189	0.91	372	1.12
99	2.72	192	0.83	403	0.40
101	1.69	193	0.92	421	0.37
103	0.45	196	2.20	423	4.34
104	1.09	198	100.00	424	0.63
105	1.40	199	7.46	441	8.64
107	12.91	200	0.73	442	64.24
108	2.37	204	3.38	443	11.77
110	25.45	205	4.56	444	1.23
111	4.02	206	21.31		
112	0.29	207	2.53		
117	8.50	208	0.55		
118	0.38	211	0.63		
123	1.34	216	0.28		
124	0.44	217	5.76		

025753

CASE NO. _____ CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762, 68-01-6866
LOW LEVEL _____ MED. LEVEL _____ HIGH LEVEL _____
WATER _____ SOIL/SED. _____ OTHER (Specify) _____

DFTPP File Name: DH540202C15

Date: 2-2-84 Shift: C Analyst: GDZ

Mass	DFTPP Ion Abundance Criteria	% Relative Abundance
51	30.00 to 60.00 % of mass 198	47%
68	less than 2.00 % of mass 69	— (8%)[1]
69	mass 69 relative abundance	52%
70	less than 2.00% of mass 69	— (0.0%)[2]
127	40.00 to 60.00 % of mass 198	43%
197	less than 1.00% of mass 198	—
198	base peak, 100 percent	100%
199	5.00 to 9.00 % of mass 198	7%
275	10.00 to 30.00 % of mass 198	19%
365	greater than 1.00% of mass 198	4%
441	present but less mass than 443	12%
442	greater than 40.00% of mass 198	78%
443	17.00 to 23.00% of mass 442	13% (17.0%)[3]

DFTPP and BFB Performance Results:

☐ The DFTPP performance results were reviewed and found to be within the specified criteria.

RWH Initials 2-2-84 Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

Pentachlorophenol Response Factor = $\frac{40}{\text{Area 188}} \times \frac{\text{Area 266}}{50} = .05$

Benzidine Detectable ☑ Yes ☐ No

Area (Counts) 40 ng D10 Anthracene = 53849

Di-N-Butyl Phthalate Saturated ☐ Yes ☒ No

[1] Figure in (—) is % of mass 69

[2] Figure in (—) is % of mass 69

[3] Figure in (17.0) is % of mass 442

025753

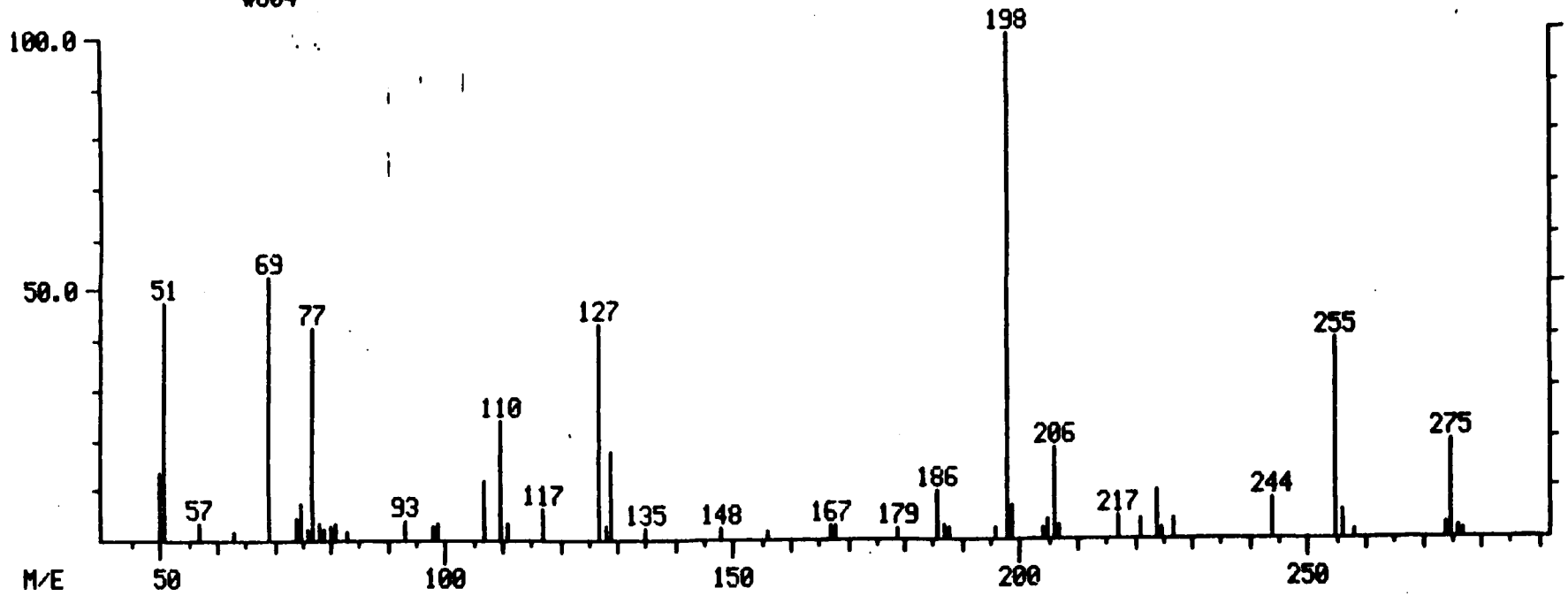
Revision Date 1/31/84, PEM

MEAD COMPUCHEM

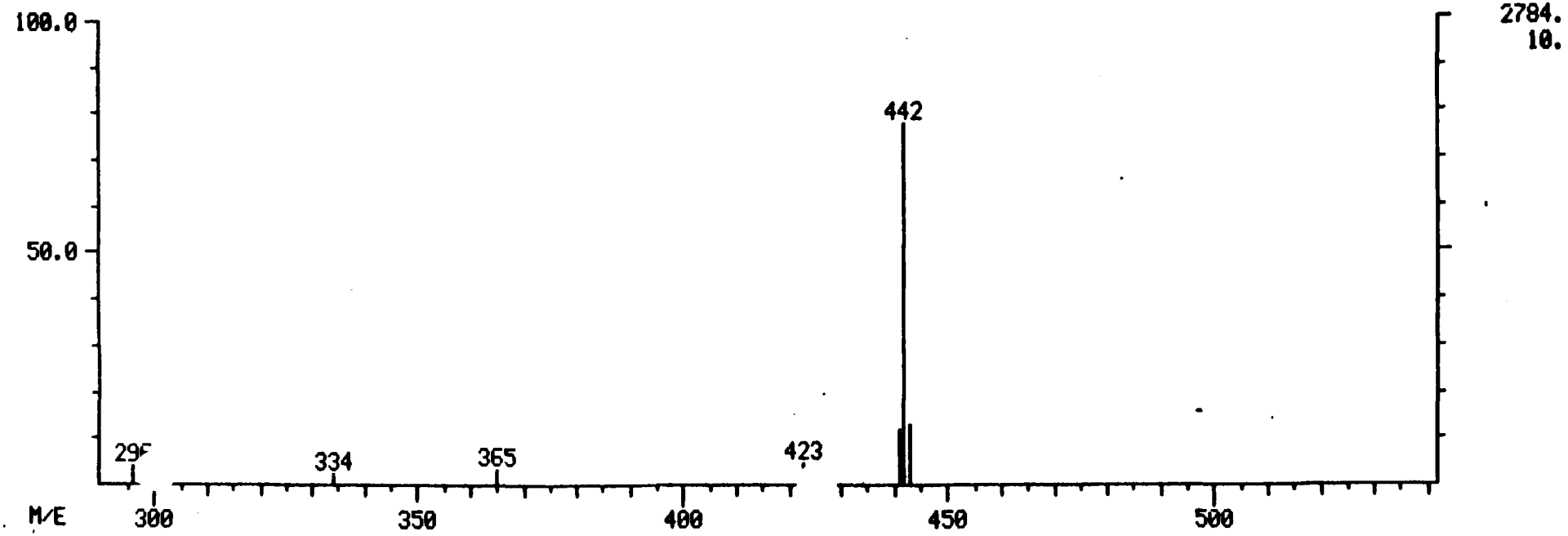
MASS SPECTRUM
02/02/84 1:27:00 + 10:03
SAMPLE: 1.0 UL CALIB.STD.LOT#10911-7050
#804

DATA: DH840202C15 #804

BASE M/E: 198
RIC: 19392.



2784.
10.



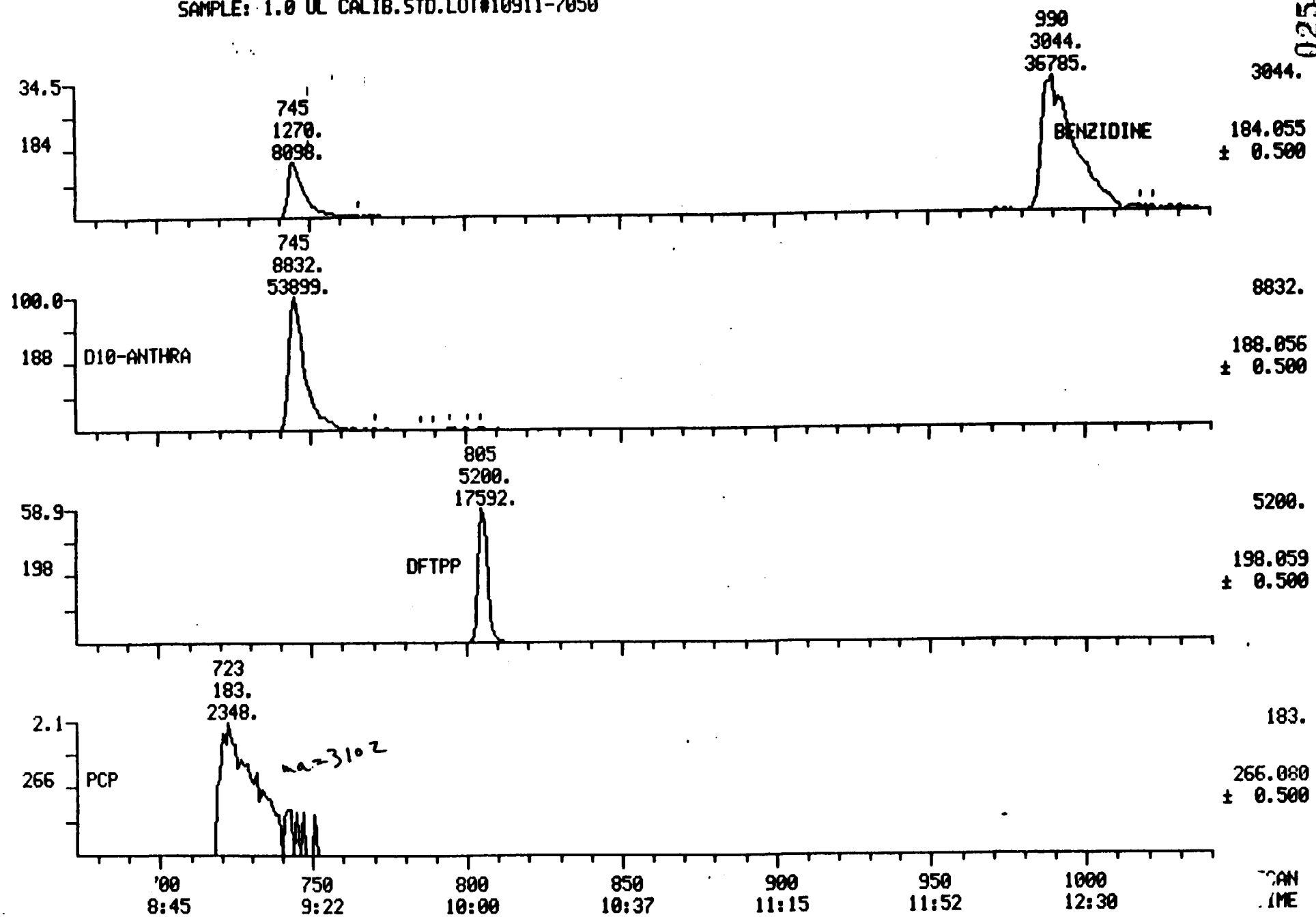
2784.
10.

31

MEAD COMPUCHEM

COMPUCHEM DATA: DH840202C15 SCANS 673 TO 1040

MASS CHROMATOGRAMS
02/02/84 1:27:00
SAMPLE: 1.0 UL CALIB.STD.LOT#10911-7050



MEAD COMPUCHEM

MASS LIST DATA: DH840202C15 # 804 BASE M/E: 198
02/02/84 1:27:00 + 10:03 RIC: 19392.
SAMPLE: 1.0 UL CALIB. STD. LOT#10911-7050
#804

50 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 2784.
443 # 0 MAXIMA

MASS	% RA	MASS	% RA
50	13.51	275	19.40
51	47.49	276	2.16
57	3.66	277	1.80
63	1.98	296	3.77
69	52.30	334	2.01
74	4.24	365	3.52
75	7.26	423	4.53
76	2.12	441	11.78
77	42.31	442	77.59
78	3.63	443	13.22
79	2.51		
80	2.55		
81	3.48		
83	1.90		
93	3.77		
98	2.73		
99	3.12		
107	12.00		
110	23.49		
111	3.38		
117	6.29		
27	43.18		
128	2.84		
129	17.56		
135	2.44		
148	2.51		
156	1.98		
167	2.95		
168	2.87		
179	2.23		
186	9.88		
187	2.87		
188	2.08		
196	2.05		
198	100.00		
199	6.57		
204	2.05		
205	3.95		
206	18.00		
207	3.02		
217	4.35		
221	4.06		
224	9.48		
225	2.12		
227	3.74		
244	7.72		
255	39.58		
256	5.85		
258	1.90		
274	2.98		

025762

SEMI-VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. _____ CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762, 68-01-6866
LOW LEVEL _____ MED. LEVEL _____ HIGH LEVEL _____
WATER _____ SOIL/SED. _____ OTHER (Specify) _____

DFTPP File Name: DH840201B15
Date: 2/1/84 Shift: B Analyst: JSS

Mass	DFTPP Ion Abundance Criteria	% Relative Abundance
51	30.00 to 60.00 % of mass 198	52.62
68	less than 2.00 % of mass 69	0.95 (1.85)[1]
69	mass 69 relative abundance	51.22
70	less than 2.00% of mass 69	— (.)[2]
127	40.00 to 60.00 % of mass 198	45.69
197	less than 1.00% of mass 198	—
198	base peak, 100 percent	100.00
199	5.00 to 9.00 % of mass 198	6.39
275	10.00 to 30.00 % of mass 198	20.81
365	greater than 1.00% of mass 198	2.24
441	present but less mass than 443	9.56
442	greater than 40.00% of mass 198	64.84
443	17.00 to 23.00% of mass 442	11.39 (17.57)[3]

DFTPP and BFB Performance Results:

☐ The DFTPP performance results were reviewed and found to be within the specified criteria.

MB 2/1/84
Initials Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

Pentachlorophenol Response Factor = $\frac{40}{\text{Area 188}} \times \frac{\text{Area 266}}{50} =$ 0.07

Benzidine Detectable ☑ Yes ☐ No

Area (Counts) 40 ng D10 Anthracene = 75994

Di-N-Butyl Phthalate Saturated ☐ Yes ☑ No

[1] Figure in (.) is % of mass 69

[2] Figure in (.) is % of mass 69

[3] Figure in (.) is % of mass 442

025763

1 31

Revision Date 1/31/84, PEM

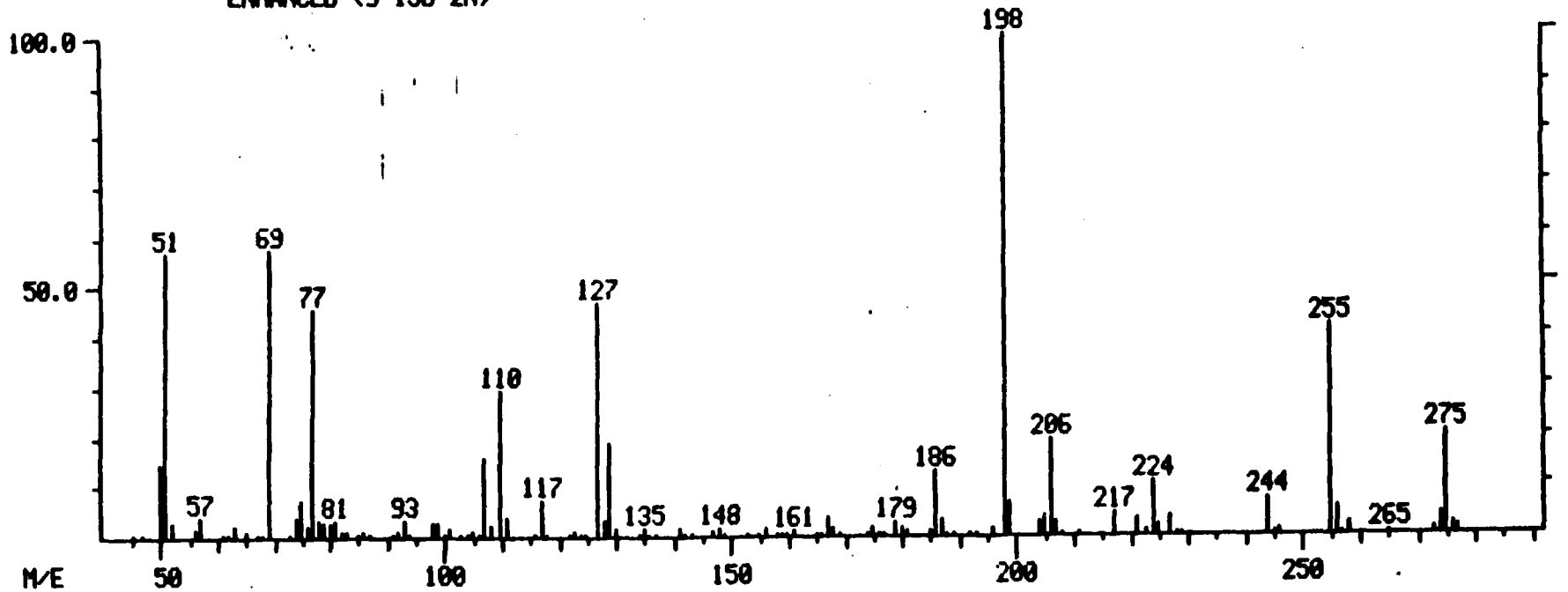
FORM VII

MEAD COMPUCHEM

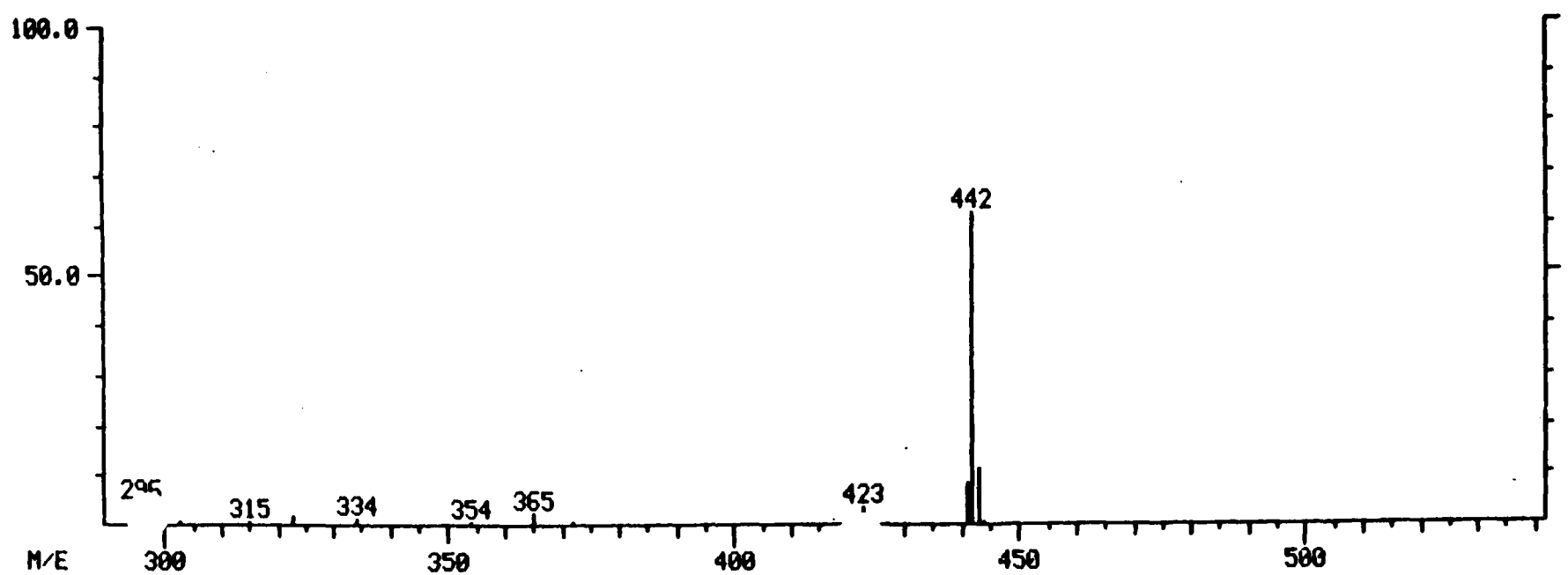
MASS SPECTRUM
02/01/04 16:36:00 + 10:03
SAMPLE: 1UL DFTPP 10911(7059)ON#15
ENHANCED (S 158 2N)

DATA: DH040201B15 #804

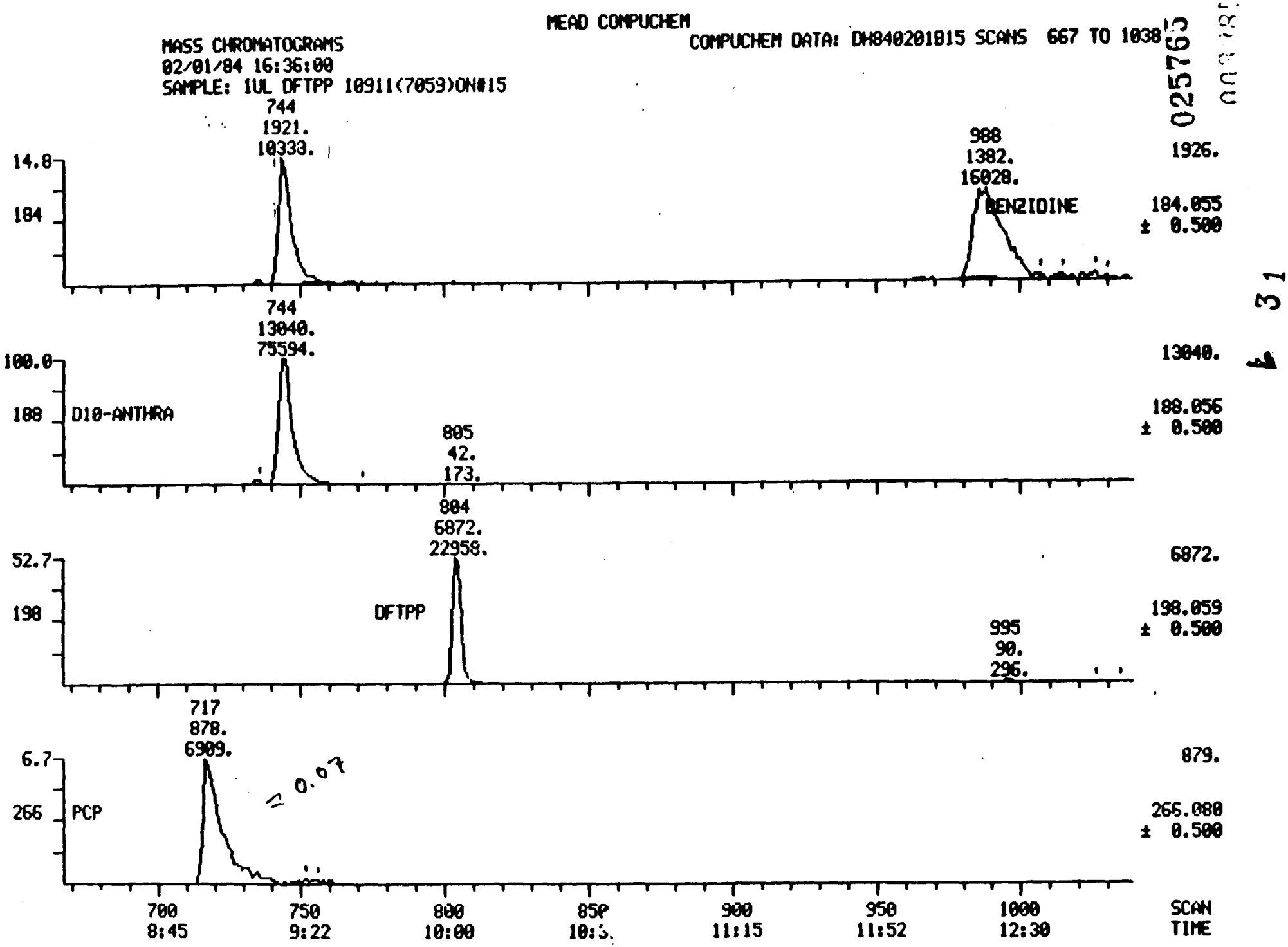
BASE M/E: 198
RIC: 49472.

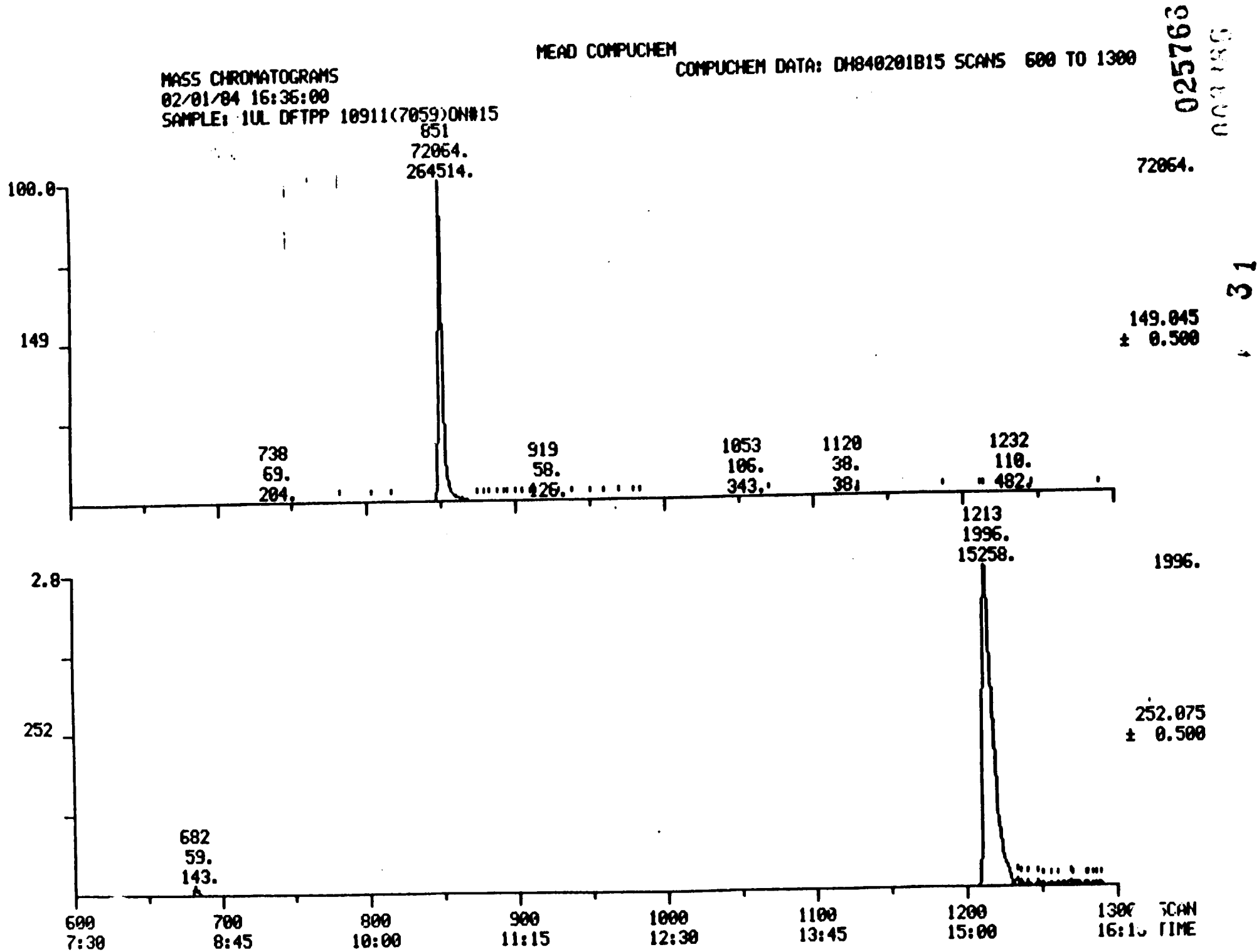


6368.
10.



6368.
10.


MEAD COMPUCHEM
COMPUCHEM DATA: DH840201B15 SCANS 667 TO 1038
MASS CHROMATOGRAMS
02/01/84 16:36:00
SAMPLE: 1UL DFTPP 10911(7059)ON#15
744
1921.
10333.
988
1382.
16028.
BENZIDINE
14.8
184
1926.
184.055
± 0.500
744
13040.
75594.
100.0
188
D10-ANTHRA
805
42.
173.
13040.
188.056
± 0.500
804
6872.
22958.
52.7
198
DFTPP
995
90.
296.
6872.
198.059
± 0.500
717
878.
6909.
6.7
266
PCP
= 0.07
879.
266.080
± 0.500
700
8:45
750
9:22
800
10:00
850
10:3
900
11:15
950
11:52
1000
12:30
SCAN
TIME


MEAD COMPUCHEM
COMPUCHEM DATA: DH840201B15 SCANS 600 TO 1300
MASS CHROMATOGRAMS
02/01/84 16:36:00
SAMPLE: 1UL DFTPP 10911(7059)ON#15
851
72064.
264514.
72064.
100.0
149
149.045
± 0.500
738
69.
204.
919
58.
426.
1053
106.
343.
1120
38.
38.
1232
110.
482.
1213
1996.
15258.
1996.
2.8
252
252.075
± 0.500
682
59.
143.
600
7:30
700
8:45
800
10:00
900
11:15
1000
12:30
1100
13:45
1200
15:00
1300
16:15
SCAN
TIME

MEAD COMPUCHEM

MASS LIST DATA: DH840201B15 # 804 BASE M/E: 198
02/01/84 16:36:00 + 10:03 RIC: 49984.
SAMPLE: 1UL DFTPP 10911(7059)ON#15
#804 - #276 TO #382 X2.50

47 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 6872.
444 # 0 MAXIMA

MASS	% RA	MASS	% RA	MASS	% RA
47	0.35	134	0.47	224	10.43
50	13.91	136	0.19	225	1.92
51	52.62	137	0.55	227	4.07
52	2.49	141	1.82	228	0.29
56	0.26	142	0.52	229	0.67
57	0.92	143	0.36	244	7.42
61	0.42	148	1.72	245	0.79
62	0.36	153	0.61	246	1.34
63	2.05	154	0.12	255	42.03
65	0.71	155	0.83	256	5.62
68	0.95	156	0.67	257	0.35
69	51.22	158	0.10	258	1.62
74	1.15	160	0.39	265	0.68
75	4.10	161	0.29	273	0.67
76	2.34	165	0.45	274	4.12
77	42.08	166	0.41	275	20.81
78	2.85	167	3.87	276	2.11
79	1.76	168	1.69	277	1.64
80	2.42	169	0.44	296	4.79
81	1.85	174	0.84	297	0.61
82	0.70	175	1.41	303	0.57
83	0.26	176	0.48	315	0.29
86	0.70	177	0.67	323	1.72
87	0.13	179	2.90	334	1.08
92	0.99	180	1.95	352	0.36
93	2.42	181	0.73	353	0.38
94	0.42	184	0.36	354	0.36
98	2.11	185	1.21	365	2.24
99	2.49	186	12.72	372	0.83
100	0.68	187	3.62	421	0.41
101	1.48	188	0.97	423	3.55
103	0.38	189	0.48	424	0.49
104	0.89	192	0.71	441	9.56
106	0.41	193	0.60	442	64.84
107	14.58	196	1.51	443	11.39
108	1.98	198	100.00	444	0.76
110	27.97	199	6.39		
111	3.14	200	0.42		
112	0.28	203	0.32		
116	0.64	204	2.66		
117	6.27	205	4.00		
118	0.52	206	19.21		
122	0.38	207	2.17		
123	1.03	208	0.57		
124	0.45	211	0.67		
125	0.52	217	4.31		
127	45.69	218	0.44		
128	3.55	221	3.43		
129	17.72	222	0.55		
130	1.47	223	1.24		

025767

CASE NO. _____ CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762, 68-01-6866
LOW LEVEL _____ MED. LEVEL _____ HIGH LEVEL _____
WATER _____ SOIL/SED. _____ OTHER (Specify) _____

Date: 2/1/84 DFTPP File Name: DH840201C15
Shift: C Analyst: JS4

Mass	DFTPP Ion Abundance Criteria	% Relative Abundance
51	30.00 to 60.00 % of mass 198	58
68	less than 2.00 % of mass 69	0.12 (.)[1]
69	mass 69 relative abundance	56
70	less than 2.00% of mass 69	— (.)[2]
127	40.00 to 60.00 % of mass 198	49
197	less than 1.00% of mass 198	—
198	base peak, 100 percent	100
199	5.00 to 9.00 % of mass 198	7
275	10.00 to 30.00 % of mass 198	18
365	greater than 1.00% of mass 198	1.3
441	present but less mass than 443	7
442	greater than 40.00% of mass 198	45
443	17.00 to 23.00% of mass 442	8 (18)[3]

DFTPP and BFB Performance Results:

☐ The DFTPP performance results were reviewed and found to be within the specified criteria.

JS Initials 2-02-84 Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

Pentachlorophenol Response Factor = $\frac{40}{\text{Area 188}} \times \frac{\text{Area 266}}{50} =$ 0.09

Benzidine Detectable ☑ Yes ☐ No

Area (Counts) 40 ng D10 Anthracene = 54,249

Di-N-Butyl Phthalate Saturated ☐ Yes ☒ No

[1] Figure in (.) is % of mass 69

[2] Figure in (.) is % of mass 69

[3] Figure in (.) is % of mass 442

025763

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Revision Date 1/31/84, PEM

FORM VII

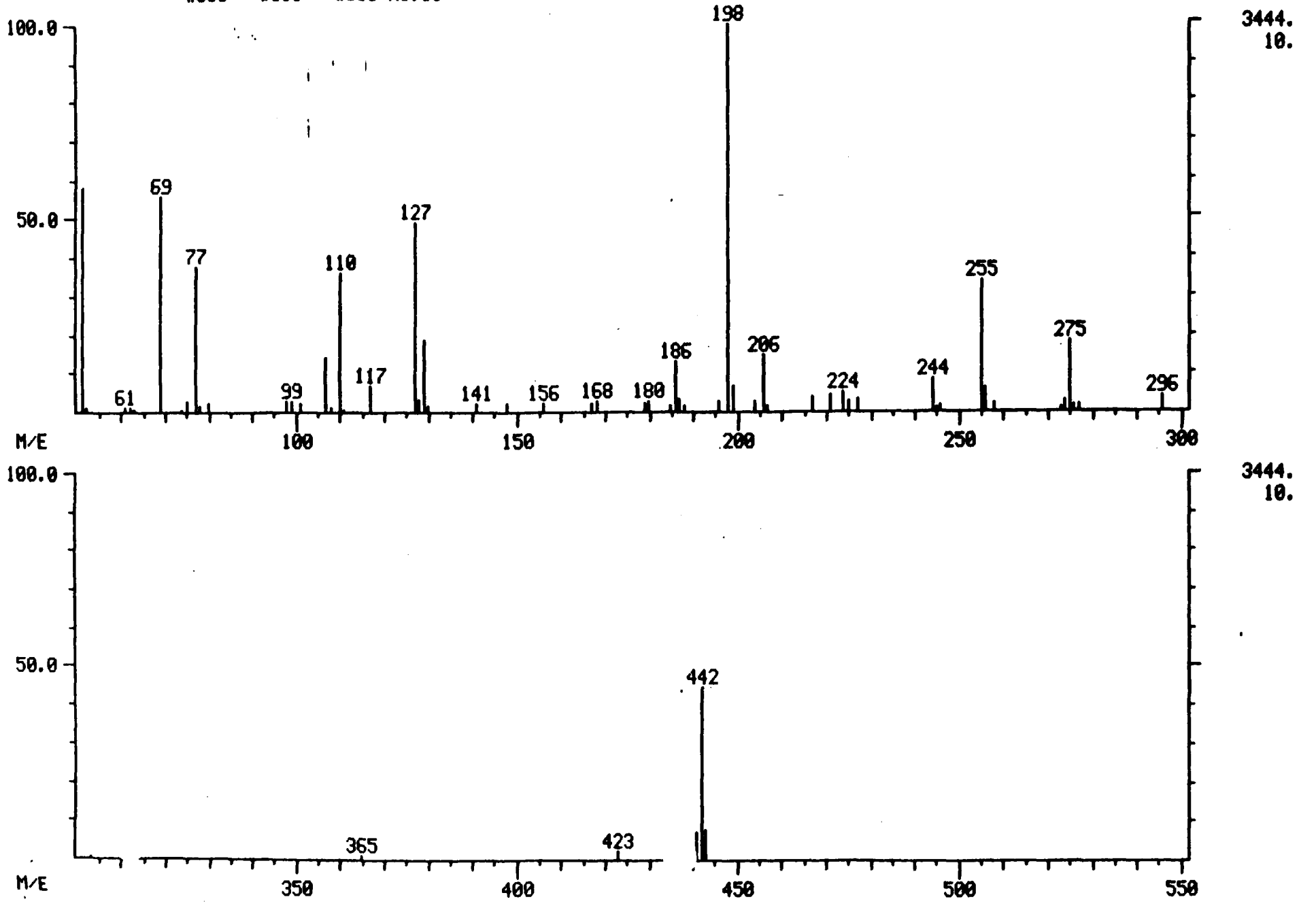
MEAD COMPUCHEM

MASS SPECTRUM
02/01/84 7:19:00 + 10:02
SAMPLE: 1UL DFTPP (10911)
#803 - #851 - #356 X1.00

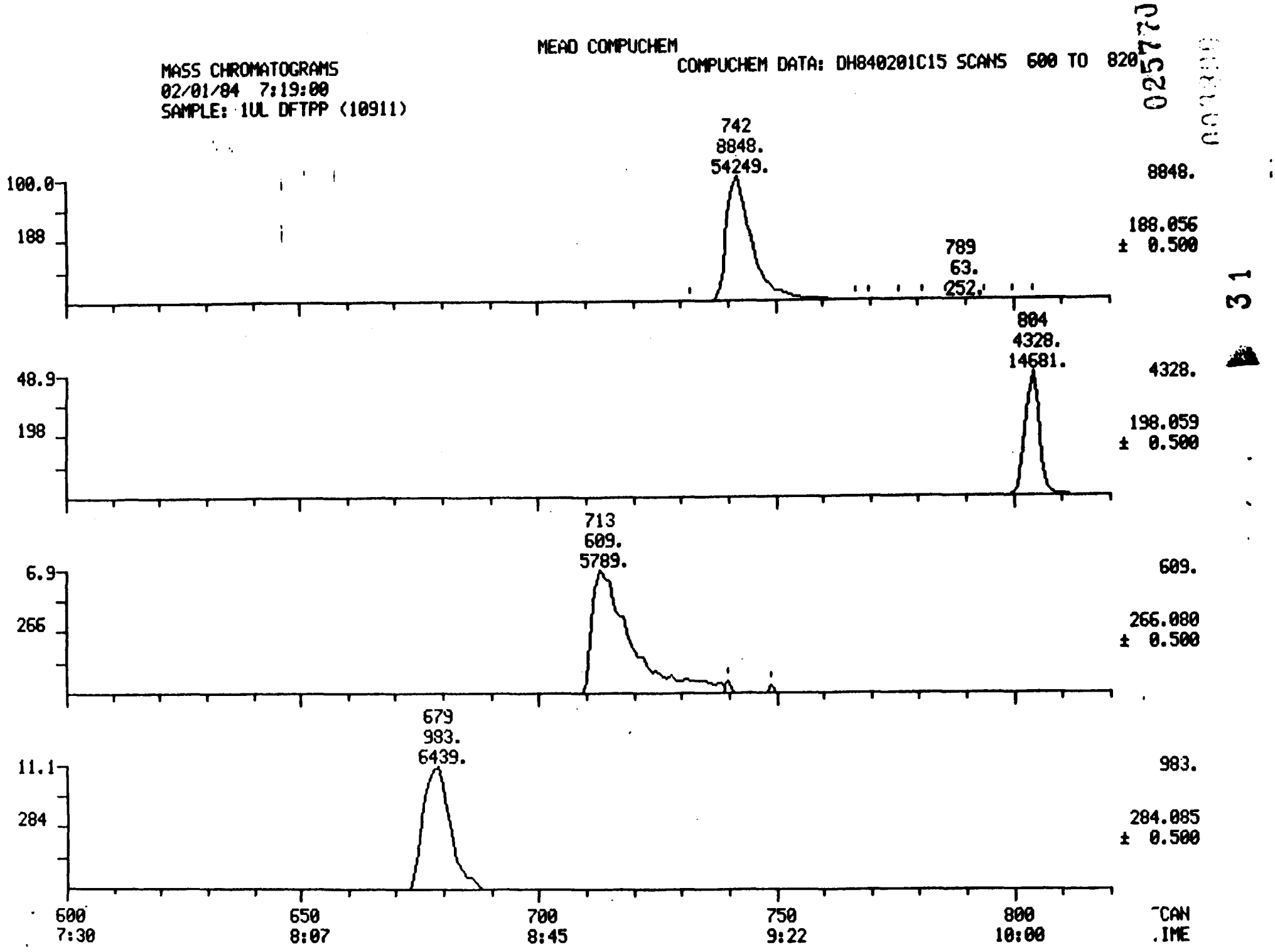
DATA: DH840201C15 #803

BASE M/E: 198
RIC: 21856.

025763



31

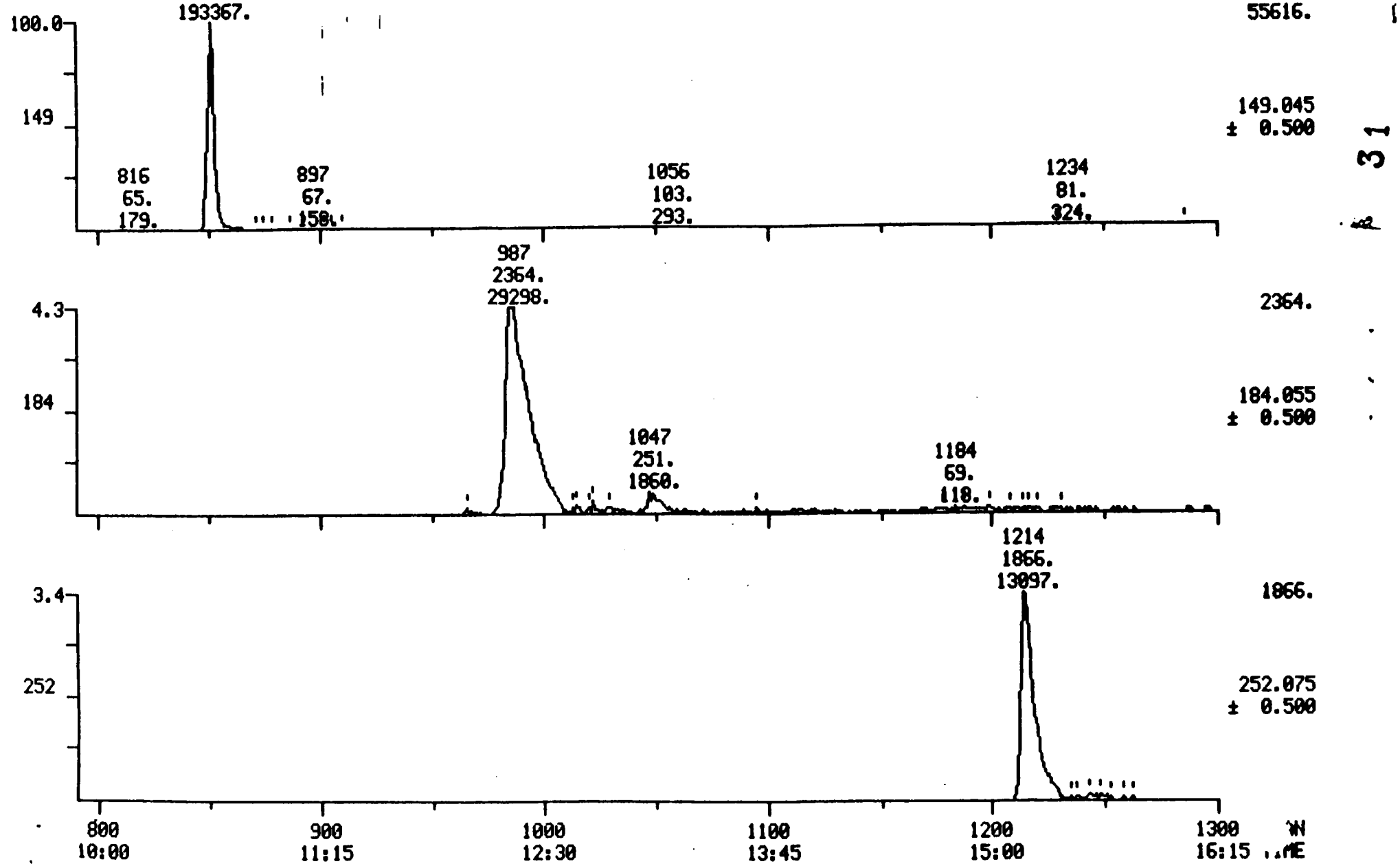

MEAD COMPUCHEM
COMPUCHEM DATA: DH840201C15 SCANS 600 TO 820
MASS CHROMATOGRAMS
02/01/84 7:19:00
SAMPLE: 1UL DFTPP (10911)
742
8848.
54249.
789
63.
252.
804
4328.
14681.
713
609.
5789.
679
983.
6439.
100.0
188
48.9
198
6.9
266
11.1
284
8848.
188.056
± 0.500
4328.
198.059
± 0.500
609.
266.080
± 0.500
983.
284.085
± 0.500
600
7:30
650
8:07
700
8:45
750
9:22
800
10:00
SCAN
TIME

MEAD COMPUCHEM

COMPUCHEM DATA: DH840201C15 SCANS 790 TO 1300

025771

MASS CHROMATOGRAMS
02/01/84 7:19:00
SAMPLE: 1UL DFTPP (10911)



MEAD COMPUCHEM

MASS LIST
DATA: DH840201C15 # 803
BASE M/E: 198
02/01/84 7:19:00 + 10:02
RIC: 21856.
SAMPLE: 1UL DFTPP (10911)
#803 - #851 X1.00

51 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 3444.
443 # 0 MAXIMA

MASS	% RA	MASS	% RA
51	58.42	256	6.33
52	1.16	258	2.41
61	1.36	273	1.16
62	1.16	274	3.02
63	0.38	275	18.00
68	0.12	276	1.63
69	56.16	277	1.48
74	0.49	296	3.86
75	2.56	365	1.28
77	37.80	423	2.09
78	1.48	441	7.35
80	2.00	442	44.89
98	2.76	443	8.07
99	2.87		
101	2.35		
107	14.20		
108	0.99		
110	36.35		
111	0.61		
117	6.85		
[illegible]7	48.90		
[illegible]8	3.25		
129	18.76		
130	1.71		
141	2.50		
148	2.09		
156	2.50		
167	2.00		
168	2.73		
179	2.21		
180	2.73		
185	1.92		
186	12.89		
187	3.54		
188	1.54		
196	2.67		
198	100.00		
199	6.88		
204	2.58		
206	14.49		
207	1.71		
217	3.98		
221	4.24		
224	5.28		
225	2.82		
227	3.57		
[illegible]44	8.25		
[illegible]45	1.28		
246	1.86		
255	33.62		

025772

CASE NO. _____ CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762
LOW LEVEL _____ MED. LEVEL _____ HIGH LEVEL _____
WATER _____ SOIL/SED. _____ OTHER (Specify) _____

Date: 1/27/84 DFTPP File Name: DH840127C15
Shift: C Analyst: 754

Mass	DFTPP Ion Abundance Criteria	% Relative Abundance
51	30 - 60 percent of mass 198	53
68	less than 2 percent of mass 69	— ( )[1]
69	mass 69 relative abundance	53
70	less than 2 percent of mass 69	— ( )[2]
127	40 - 60 percent of mass 198	46
197	less than 1 percent of mass 198	—
198	base peak, 100 percent	100
199	5 - 9 per cent of mass 198	6
275	10 - 30 percent of mass 198	19
365	greater than 1 percent of mass 198	2
441	present but less mass than 443	~~8~~ 9
442	greater than 40 percent of mass 198	58
443	17 - 23 percent of mass 442	~~8~~ 10 (17)[3]

DFTPP and BFB Performance Results:

☐ The DFTPP performance results were reviewed and found to be within the specified criteria.

KB 2-22-84
Initials Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

Pentachlorophenol Response Factor = $\frac{40}{\text{Area 188}} \times \frac{\text{Area 266}}{50} =$ 0.05

Benzidine Detectable ☑ Yes ☐ No

Area (Counts) 40 ng D10 Anthracene = 51,828

Di-N-Butyl Phthalate Saturated ☐ Yes ☑ No

[1] Figure in ( ) is % of mass 69

[2] Figure in ( ) is % of mass 69

[3] Figure in ( ) is % of mass 442

025773

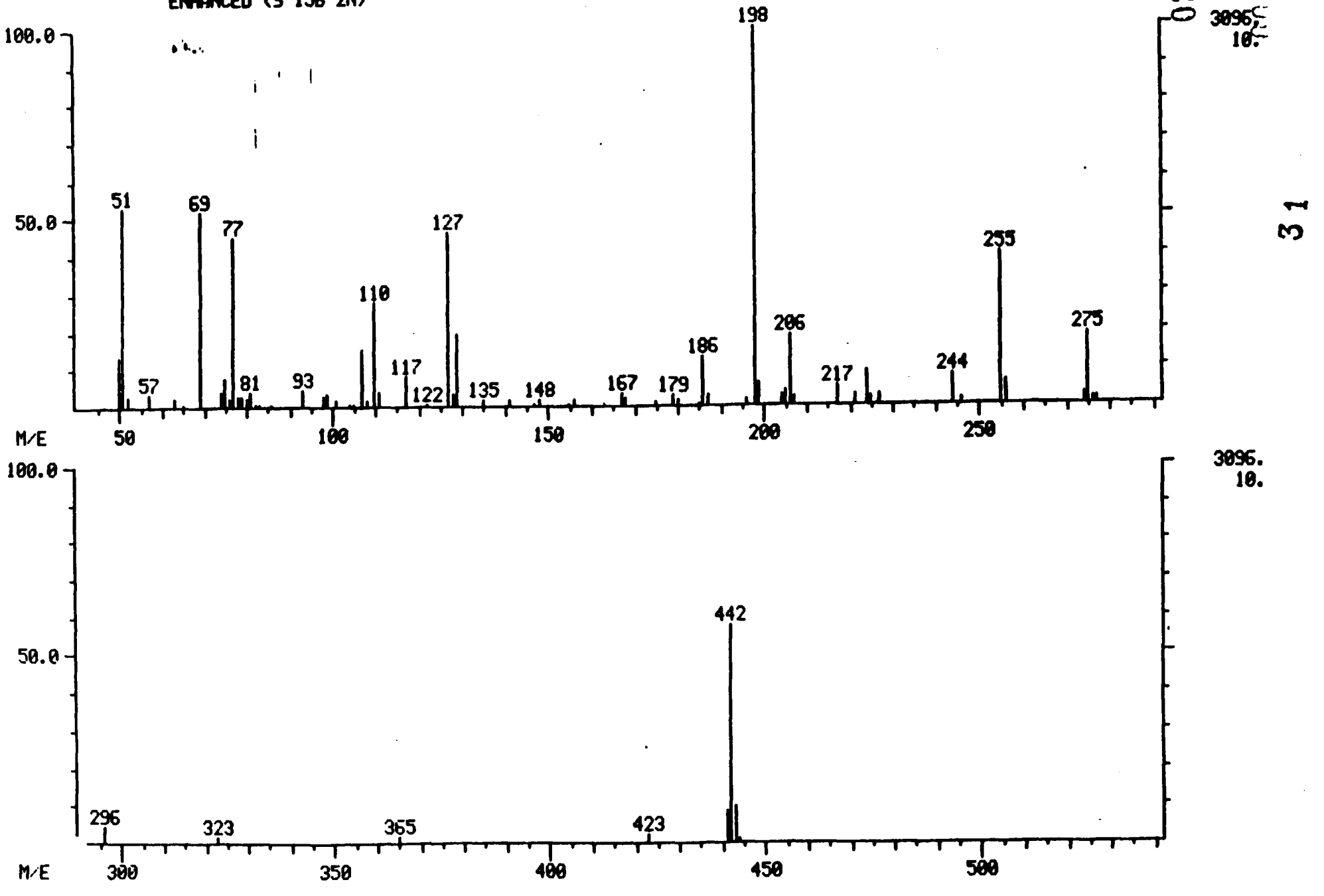
MEAD COMPUCHEM

MASS SPECTRUM
01/27/84 6:00:00 + 10:03
SAMPLE: 1UL DFTPP (10911)
ENHANCED (S 15B 2N)

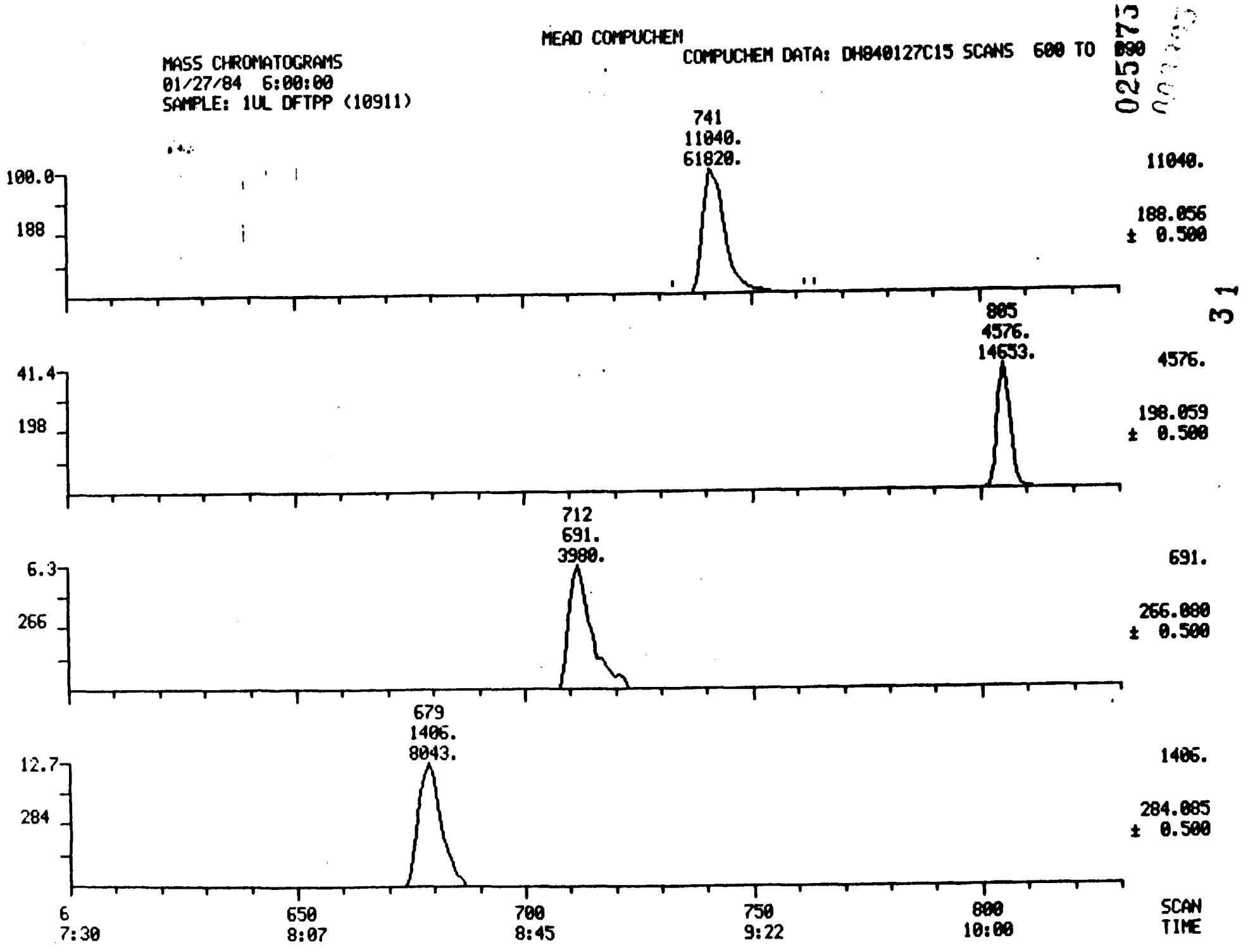
DATA: DH840127C15 #804

BASE M/E: 198
RIC: 21664.

0257714



31


MEAD COMPUCHEM
COMPUCHEM DATA: DH840127C15 SCANS 600 TO 800
MASS CHROMATOGRAMS
01/27/84 6:00:00
SAMPLE: 1UL DFTPP (10911)
025873
741
11040.
61820.
100.0
188
11040.
188.056
± 0.500
805
4576.
14653.
41.4
198
4576.
198.059
± 0.500
712
691.
3980.
6.3
266
691.
266.000
± 0.500
679
1406.
8043.
12.7
284
1406.
284.085
± 0.500
6
7:30
650
8:07
700
8:45
750
9:22
800
10:00
SCAN
TIME

MEAD COMPUCHEM

COMPUCHEM DATA: DH840127C15 SCANS 800 TO 1900

MASS CHROMATOGRAMS
01/27/84 6:00:00
SAMPLE: 1UL DFTPP (10911)

852
57408.
188625.

100.0
149

57408.
149.045
± 0.500

1057
77.
153.

985
251.
3557.

1047
153.
791.

1130
61.
61.

0.4
184

251.
184.055
± 0.500

2.8
252

1590.
252.075
± 0.500

800 900 1000 1100 1200 1300 SCAN
10:00 11:15 12:30 13:45 15:00 16:15 TIME

02573

31

MEAD COMPUCHEM

MASS LIST DATA: DH840127C15 # 804 BASE M/E: 198
01/27/84 6:00:00 + 10:03 RIC: 21664.
S PLE: 1UL DFTPP (10911)
E..ANCED (S 15B 2N OT)

50 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 3096.
444 # 0 MAXIMA

MASS	% RA	MASS	% RA
50	13.79	204	2.58
51	53.04	205	3.91
52	2.62	206	18.83
57	3.13	207	2.23
63	2.49	217	5.10
65	0.61	221	2.68
69	52.20	224	8.98
74	3.71	225	2.03
75	7.56	227	3.07
76	2.33	244	7.72
77	44.96	246	1.65
78	2.91	255	40.37
79	2.62	256	6.10
80	2.13	274	2.97
81	3.81	275	18.70
82	0.58	276	1.84
83	0.65	277	1.74
86	0.65	296	4.36
93	4.52	323	1.68
98	2.94	365	1.45
99	3.36	423	2.26
101	1.74	441	8.72
104	0.55	442	57.88
105	0.58	443	9.63
107	15.37	444	0.87
108	1.94		
110	27.87		
111	3.97		
117	8.11		
122	0.58		
127	46.38		
128	3.29		
129	19.41		
135	1.61		
141	1.74		
147	0.55		
148	1.74		
155	0.71		
156	1.78		
167	3.29		
168	2.52		
175	1.29		
179	2.71		
180	1.87		
185	0.68		
186	12.89		
187	2.75		
196	1.68		
198	100.00		
199	6.27		

025777

B

025773

VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. _____ CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762,68-01-6866
LOW LEVEL _____ MED. LEVEL _____ HIGH LEVEL _____
WATER _____ SOIL/SED. _____ OTHER (Specify) _____

Date: 1/31/84 BFB File Name: 6F840131612
Shift: 6 Analyst: 67

Mass	BFB Ion Abundance Criteria	% Relative Abundance
50	15.00 to 40.00 % of mass 95	15.02
75	30.00 to 60.00 % of mass 95	38.89
95	base peak, 100 percent	100.00
96	5.00 to 9.00 % of mass 95	7.24
173	less than 1.00 % of mass 95	-0-
174	greater than 50.00 % of mass 95	64.05
175	5.00 to 9.00 % of mass 174	4.57 (7.13)[1]
176	greater than 95.00 %, but less than 101.00 %, of mass 174	61.98 (96.77)[3]
177	5.00 to 9.00 % of mass 176	4.14 (6.67)[2]

BFB Performance Results:

☑ The BFB performance results were reviewed and found to be within the specified criteria.

JST 1/31/84
Initials Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

Initials Date

Comments:

[1] Value in (.) is % of mass 174

[2] Value in (.) is % of mass 176

[3] Value in (.) is % of mass 174 FORM VII

025773

Revision Date 1/31/84

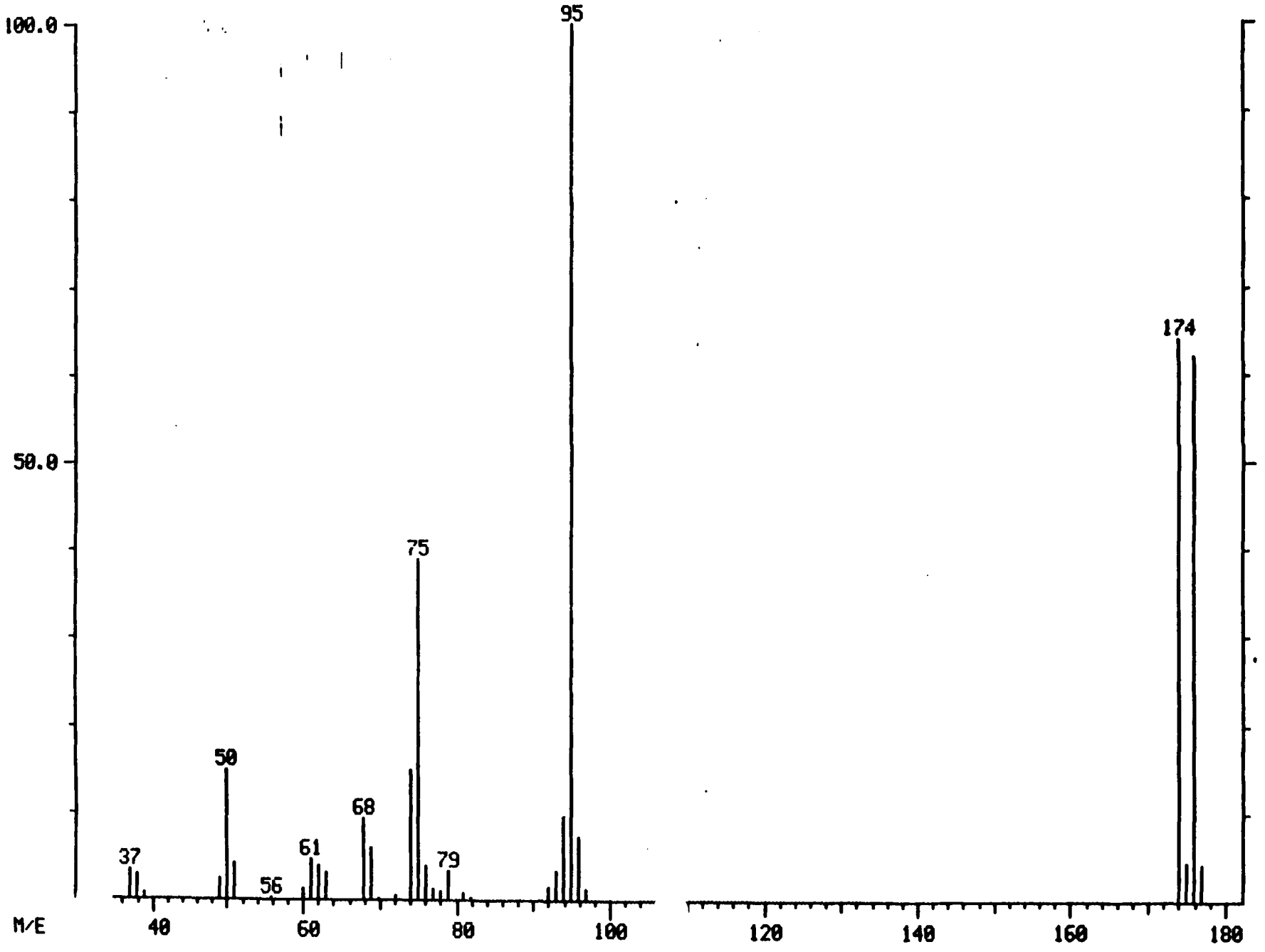
PEM 003989

MEAD COMPUCHEM

MASS SPECTRUM
01/31/84 15:09:00 + 11:32
SAMPLE: 2 UL BFB # 7008
#227 - #236 X1.50

DATA: BG840131A12 #227

BASE M/E: 95
RIC: 38400.

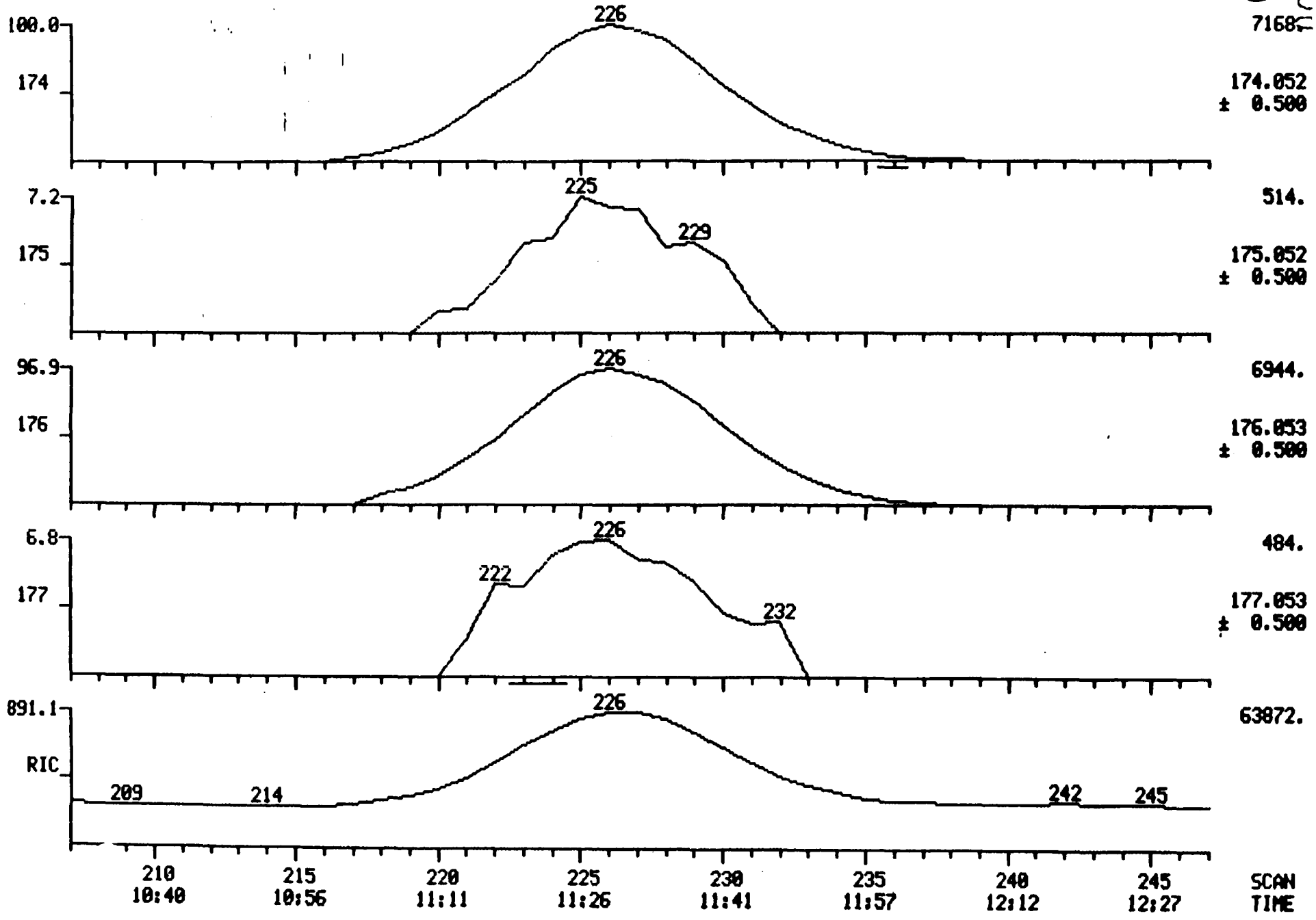


MEAD COMPUCHEM

RIC + MASS CHROMATOGRAMS
01/31/84 15:09:00
SAMPLE: 2 UL BFB # 7008

DATA: BG840131A12

SCANS 207 TO 247



MEAD COMPUCHEM

MASS LIST DATA: BG840131A12 # 227 BASE M/E: 95
01/31/84 15:09:00 + 11:32 RIC: 38400.
SAMPLE: 2 UL BFB # 7008
#7 - #236 X1.50

37 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 10080.
177 # 0 MAXIMA

MASS	% RA
37	3.35
38	2.85
39	0.65
49	2.30
50	15.02
51	4.28
56	0.38
60	1.23
61	4.69
62	3.98
63	3.04
68	9.47
69	5.94
70	0.39
72	0.55
74	15.04
75	38.89
76	3.91
77	1.43
78	1.02
9	3.39
81	0.83
82	0.28
92	1.49
93	3.47
94	9.74
95	100.00
96	7.24
97	1.40
174	64.05
175	4.57
176	61.98
177	4.14

025782

VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. _____ CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762
LOW LEVEL ✓ MED. LEVEL _____ HIGH LEVEL _____
WATER _____ SOIL/SED. ✓ OTHER (Specify) _____

Date: 1/31/84 BFB File Name: BF840131C18 Shift: C Analyst: JH

Mass	BFB Ion Abundance Criteria	% Relative Abundance
50	15 - 40 percent of mass 95	18.6
75	30 - 60 percent of mass 95	43.9
95	base peak, 100 percent	100
96	5 - 9 percent of mass 95	7.5
173	less than 1 percent of mass 95	0
174	greater than 50 percent of mass 95	76.8
175	5 - 9 percent of mass 174	6.7 (8.7)[1]
176	greater than 95 percent, but less than 101 percent of 174	76.7 (100)[3]
177	5 - 9 percent of mass 176	4.5 (5.9)[2]

BFB Performance Results:

☑ The BFB performance results were reviewed and found to be within the specified criteria.

JH Initials 1/31/84 Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

_____ Initials _____ Date

Comments:

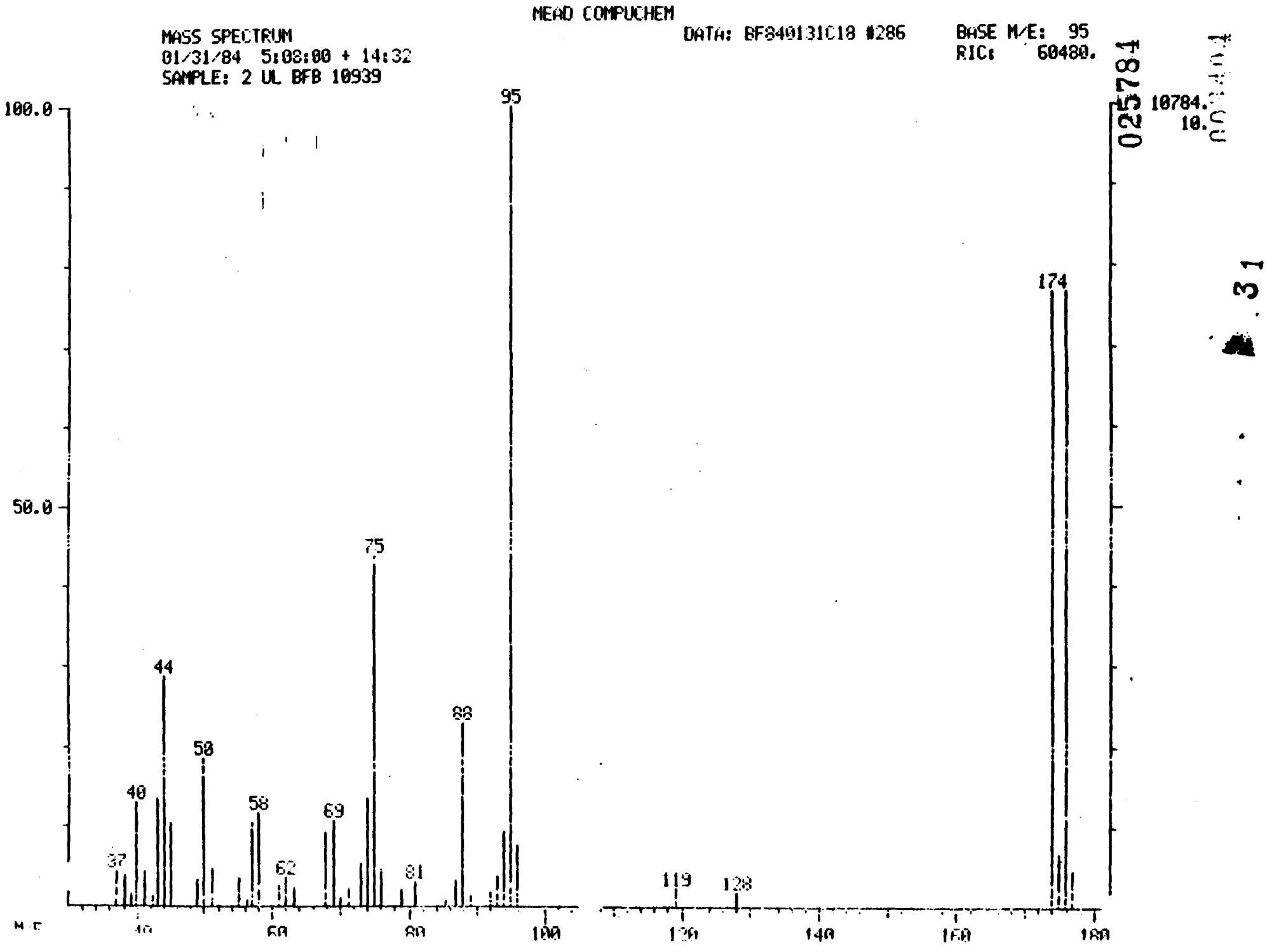
[1] Value in ( ) is % of mass 174

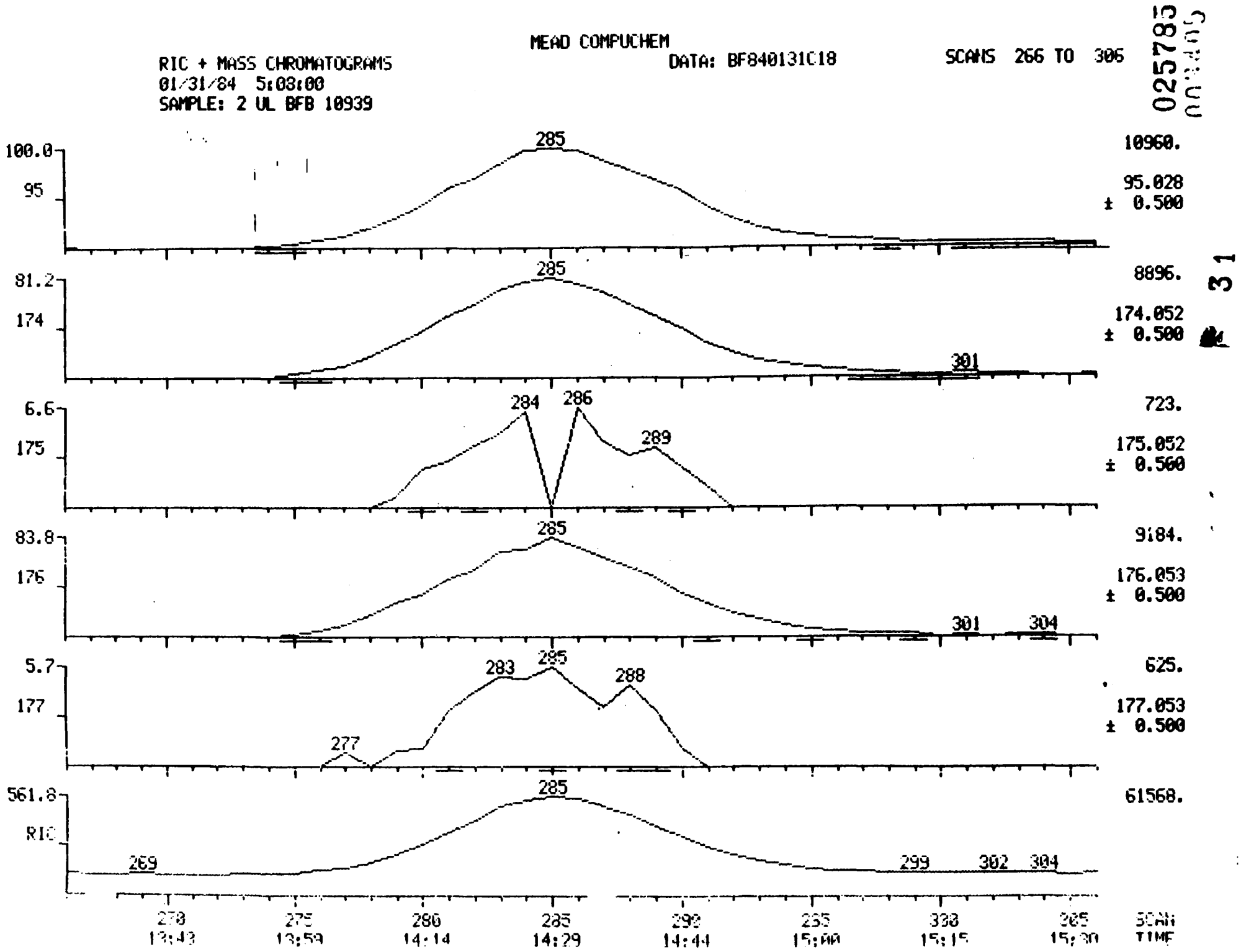
[2] Value in ( ) is % of mass 176

[3] Value in ( ) is % of mass 174 FORM VII

025783

Revision Date 11/09/83
PEM


MEAD COMPUCHEM
MASS SPECTRUM
01/31/84 5:08:00 + 14:32
SAMPLE: 2 UL BFB 10939
DATA: BF840131C18 #286
BASE M/E: 95
RIC: 60480.
100.0
50.0
95
75
44
88
50
40
58
69
62
37
81
174
119
128
10784.
10.
M/E


MEAD COMPUCHEM
RIC + MASS CHROMATOGRAMS
01/31/84 5:03:00
SAMPLE: 2 UL BFB 10939
DATA: BF840131C18
SCANS 266 TO 306
025785
100.0
95
285
10960.
95.028
± 0.500
81.2
174
285
301
8896.
174.052
± 0.500
6.6
175
284
286
289
723.
175.052
± 0.560
83.8
176
285
301
304
9184.
176.053
± 0.500
5.7
177
277
283
285
288
625.
177.053
± 0.500
561.8
RIC
269
285
299
302
304
61568.
270
13:43
275
13:59
280
14:14
285
14:29
290
14:44
295
15:00
300
15:15
305
15:30
SCAN
TIME

MEAD COMPUCHEM

MASS LIST DATA: BF840131C18 # 286 BASE M/E: 95
01/31/84 5:08:00 + 14:32 RIC: 60480.
SAMPLE: 2 UL BFB 10939

37 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 10784
177 # 0 MAXIMA

MASS	% RA
37	4.25
38	3.95
39	1.60
40	12.98
41	4.27
42	1.25
43	13.43
44	28.78
45	10.44
49	3.37
50	18.62
51	4.89
55	3.69
56	0.73
57	10.46
58	11.76
61	2.50
62	3.50
63	2.17
68	9.25
[illegible]	10.66
[illegible]	0.91
71	2.54
73	5.36
74	13.43
75	43.92
76	4.63
79	2.01
81	3.12
85	0.77
87	3.43
88	23.00
89	1.72
92	1.70
93	3.79
94	9.44
95	100.00
96	7.54
119	2.18
128	1.75
174	76.85
175	6.70
176	76.71
177	4.53

025783

VOLATILE INSTRUMENT TUNE AND PERFORMANCE

CASE NO. _____ CONTRACTOR Mead CompuChem CONTRACT NO. 68-01-6762,68-01-6866
LOW LEVEL _____ MED. LEVEL _____ HIGH LEVEL _____
WATER _____ SOIL/SED. _____ OTHER (Specify) _____

BFB File Name: BF8401311A18
Date: 1/31/84 Shift: A Analyst: 633

Mass	BFB Ion Abundance Criteria	% Relative Abundance
50	15.00 to 40.00 % of mass 95	18.22
75	30.00 to 60.00 % of mass 95	44.53
95	base peak, 100 percent	100
96	5.00 to 9.00 % of mass 95	7.73
173	less than 1.00 % of mass 95	<1%
174	greater than 50.00 % of mass 95	82.17
175	5.00 to 9.00 % of mass 174	6.48 (7.89)[1]
176	greater than 95.00 %, but less than 101.00 %, of mass 174	823 (99.74)[3]
177	5.00 to 9.00 % of mass 176	520 (6.31)[2]

BFB Performance Results:

☑ The BFB performance results were reviewed and found to be within the specified criteria.

2 WS Initials 1/31/84 Date

☐ Deviations

Date/Time/Instrument	File Number	Compound	m/z	Required Abundance	Observed Abundance

_____ Initials _____ Date

Comments:

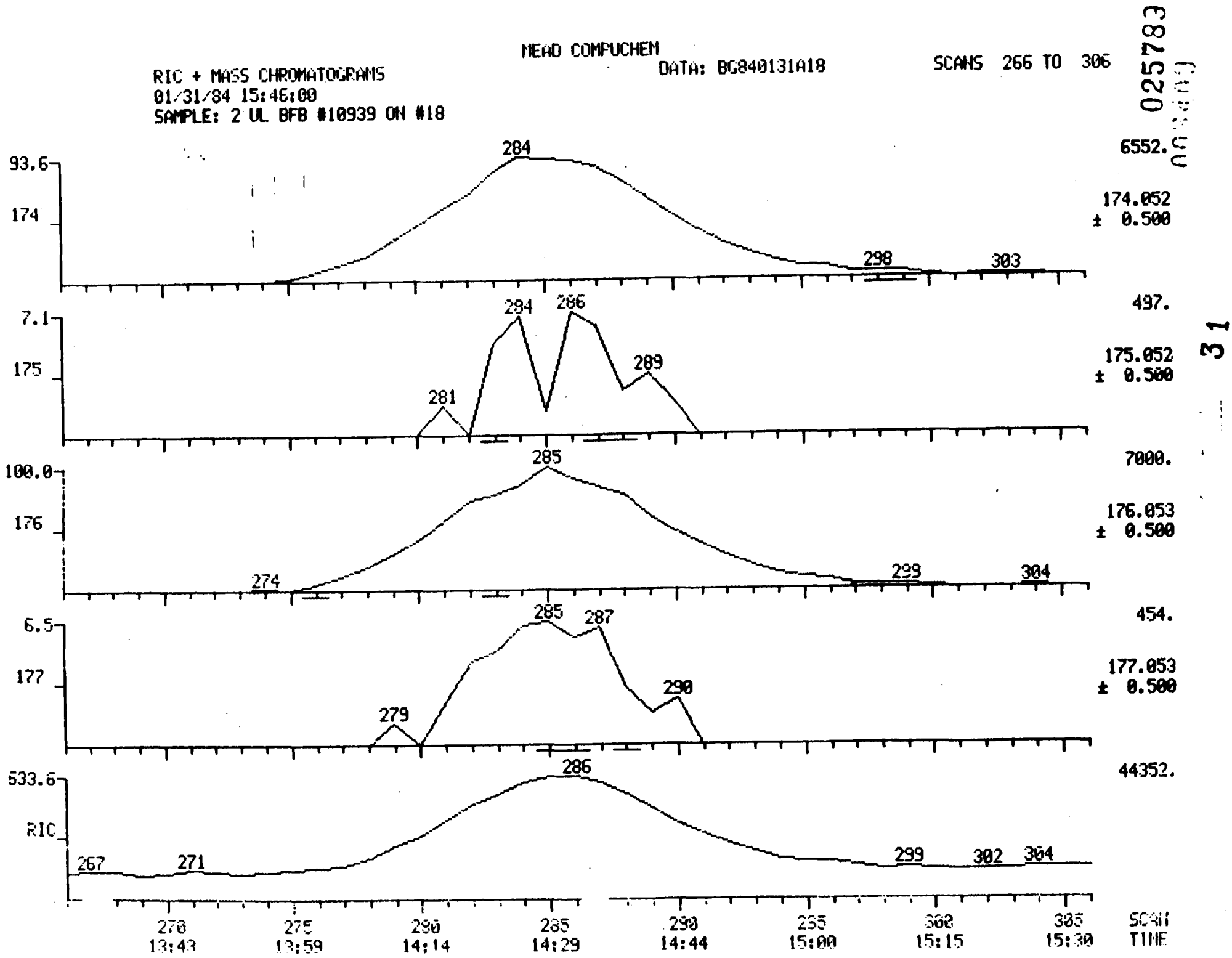
[1] Value in (.) is % of mass 174

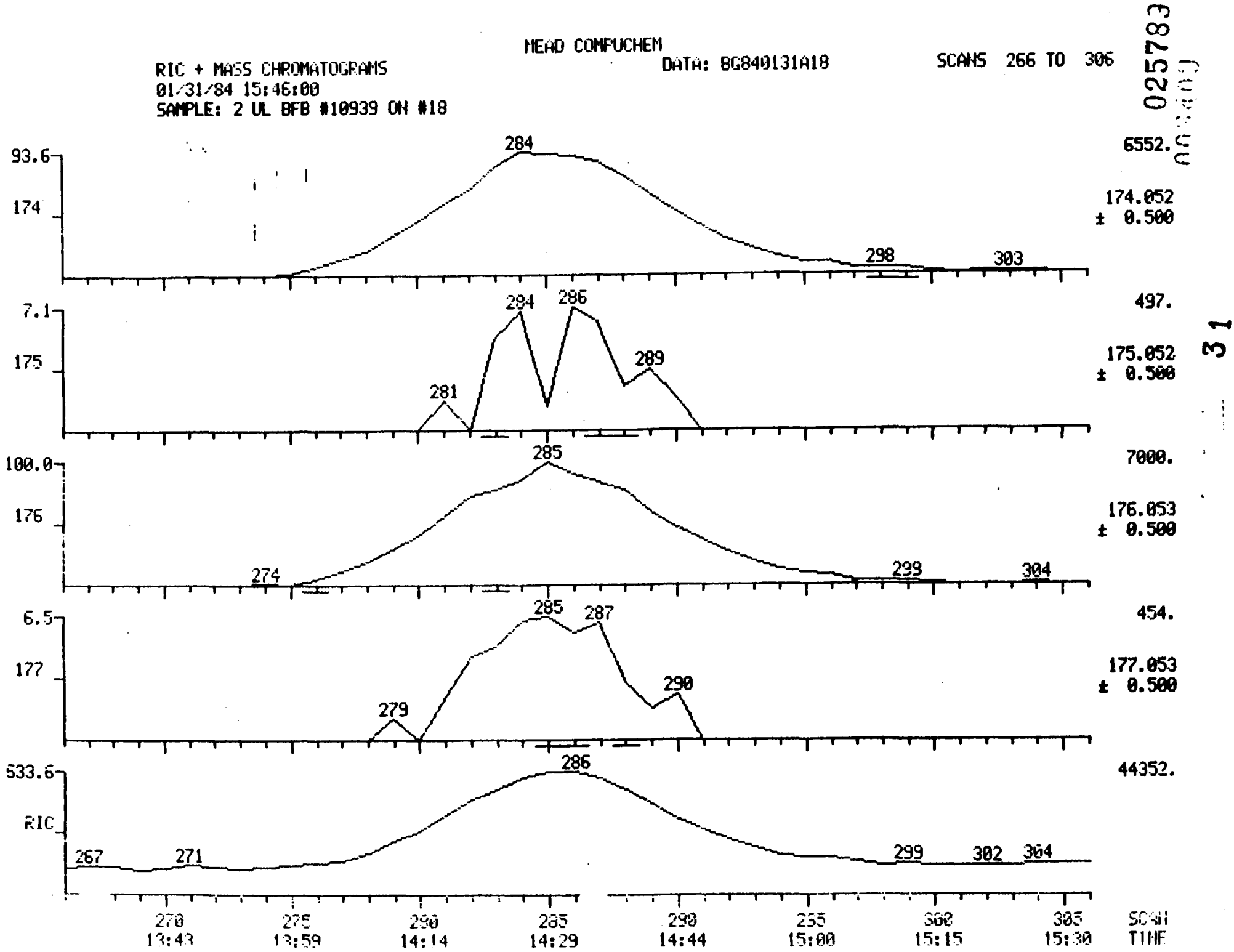
[2] Value in (.) is % of mass 176

[3] Value in (.) is % of mass 174 FORM VII

Revision Date 02/87

PEM 000407


MEAD COMPUCHEM
DATA: BG840131A18
SCANS 266 TO 306
RIC + MASS CHROMATOGRAMS
01/31/84 15:46:00
SAMPLE: 2 UL BFB #10939 ON #18
025783
93.6
174
284
298
303
6552.
174.052
± 0.500
7.1
175
284
286
281
289
497.
175.052
± 0.500
100.0
176
285
274
299
304
7000.
176.053
± 0.500
6.5
177
285
287
279
290
454.
177.053
± 0.500
533.6
RIC
286
267
271
299
302
304
44352.
270
13:43
275
13:59
280
14:14
285
14:29
290
14:44
295
15:00
300
15:15
305
15:30
SCAN
TIME


MEAD COMPUCHEM
RIC + MASS CHROMATOGRAMS
01/31/84 15:46:00
SAMPLE: 2 UL BFB #10939 ON #18
DATA: BG840131A18
SCANS 266 TO 306
025783
93.6
174
284
298
303
6552.
174.052
± 0.500
7.1
175
281
294
286
289
497.
175.052
± 0.500
100.0
176
274
285
299
304
7000.
176.053
± 0.500
6.5
177
279
285
287
290
454.
177.053
± 0.500
533.6
RIC
267
271
286
299
302
304
44352.
270
13:43
275
13:59
280
14:14
285
14:29
290
14:44
295
15:00
300
15:15
305
15:30
SCAN
TIME
31

MEAD COMPUCHEM

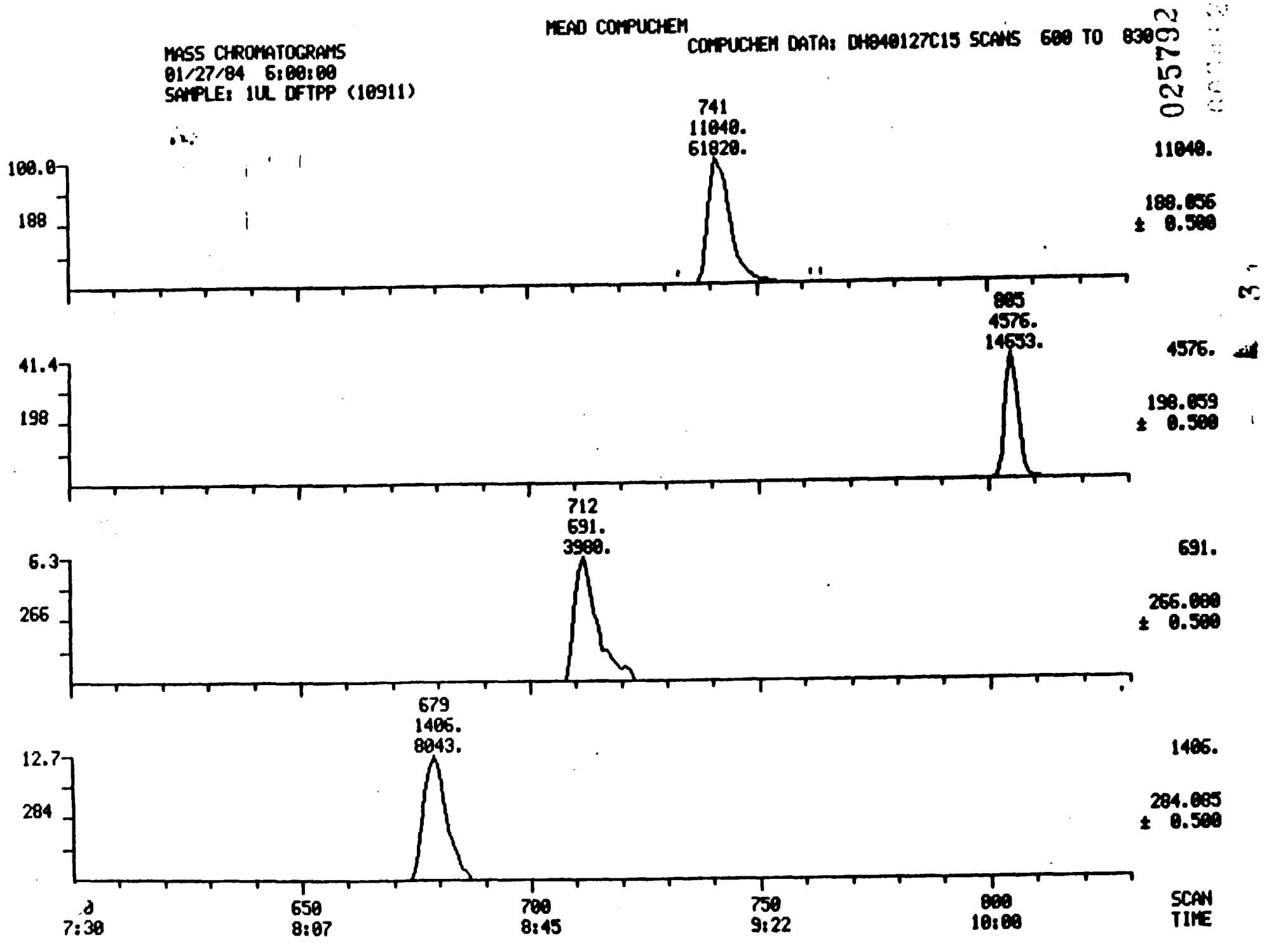
MASS LIST DATA: BG840131A18 # 286 BASE M/E: 95
01/31/84 15:46:00 + 14:32 RIC: 44416.
SAMPLE: 2 UL BFB #10939 ON #18

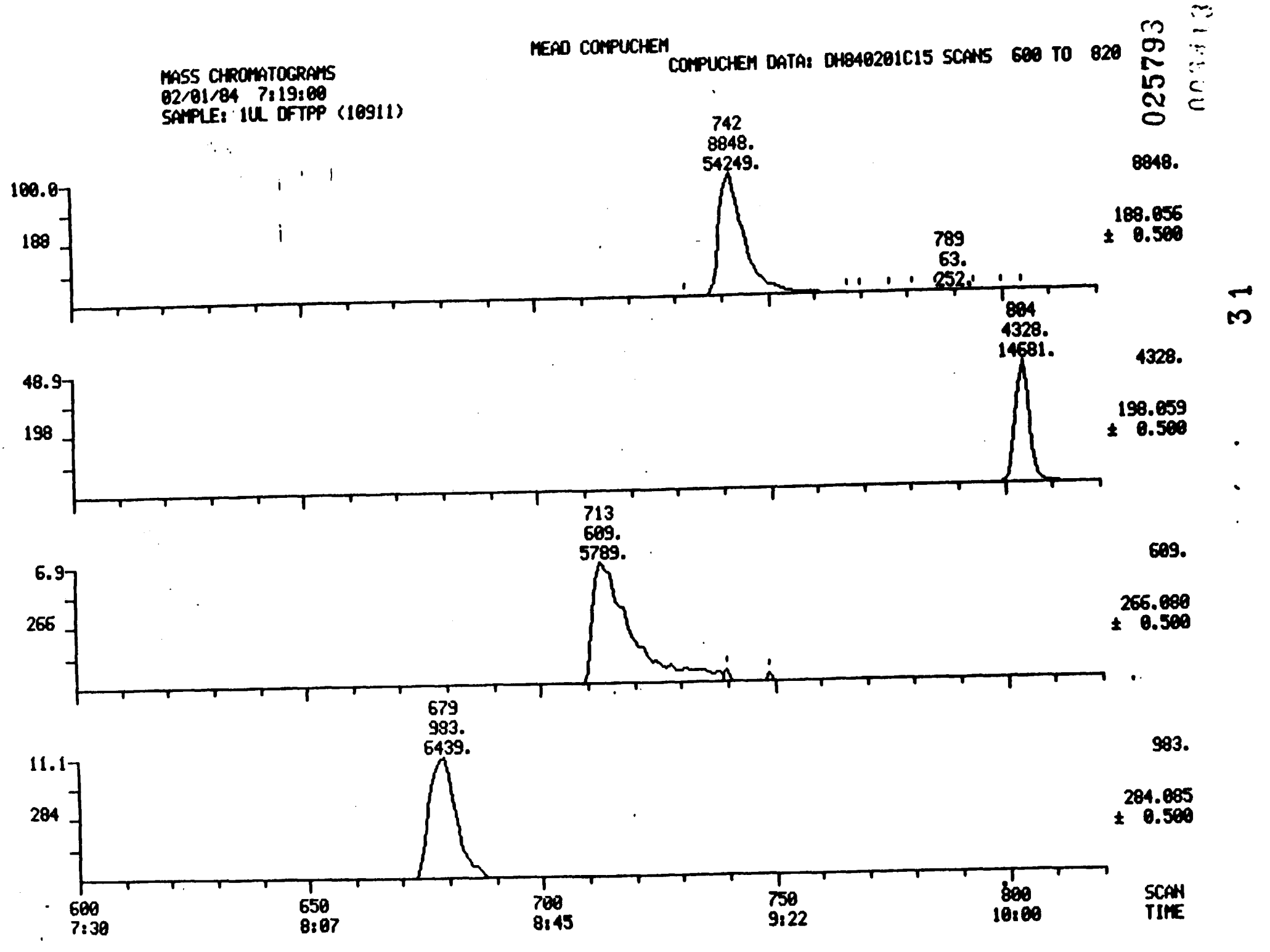
37 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 7672.
207 # 0 MAXIMA

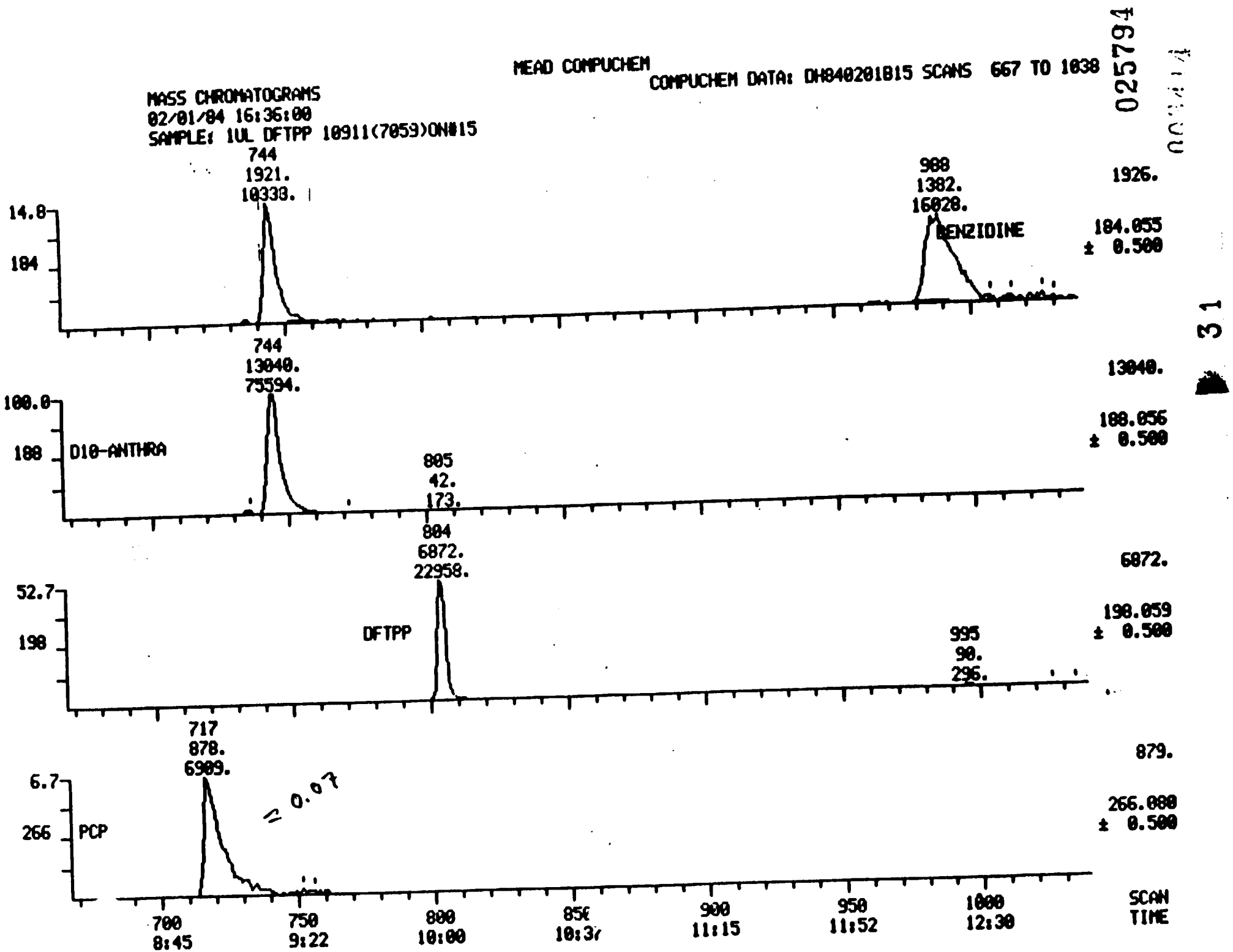
MASS	% RA
37	5.25
38	2.05
39	3.10
40	10.23
41	3.10
42	1.56
43	13.66
44	29.77
45	14.75
50	18.22
51	4.51
55	3.68
57	11.11
58	14.96
61	2.96
62	1.54
68	10.10
69	11.41
70	1.64
71	1.54
73	6.18
4	15.35
75	44.53
76	4.16
79	2.87
81	1.60
87	7.14
88	20.15
91	1.24
92	2.12
93	3.05
94	11.69
95	100.00
96	7.73
105	3.90
119	3.39
174	82.17
175	6.48
176	82.38
177	5.20
207	1.43

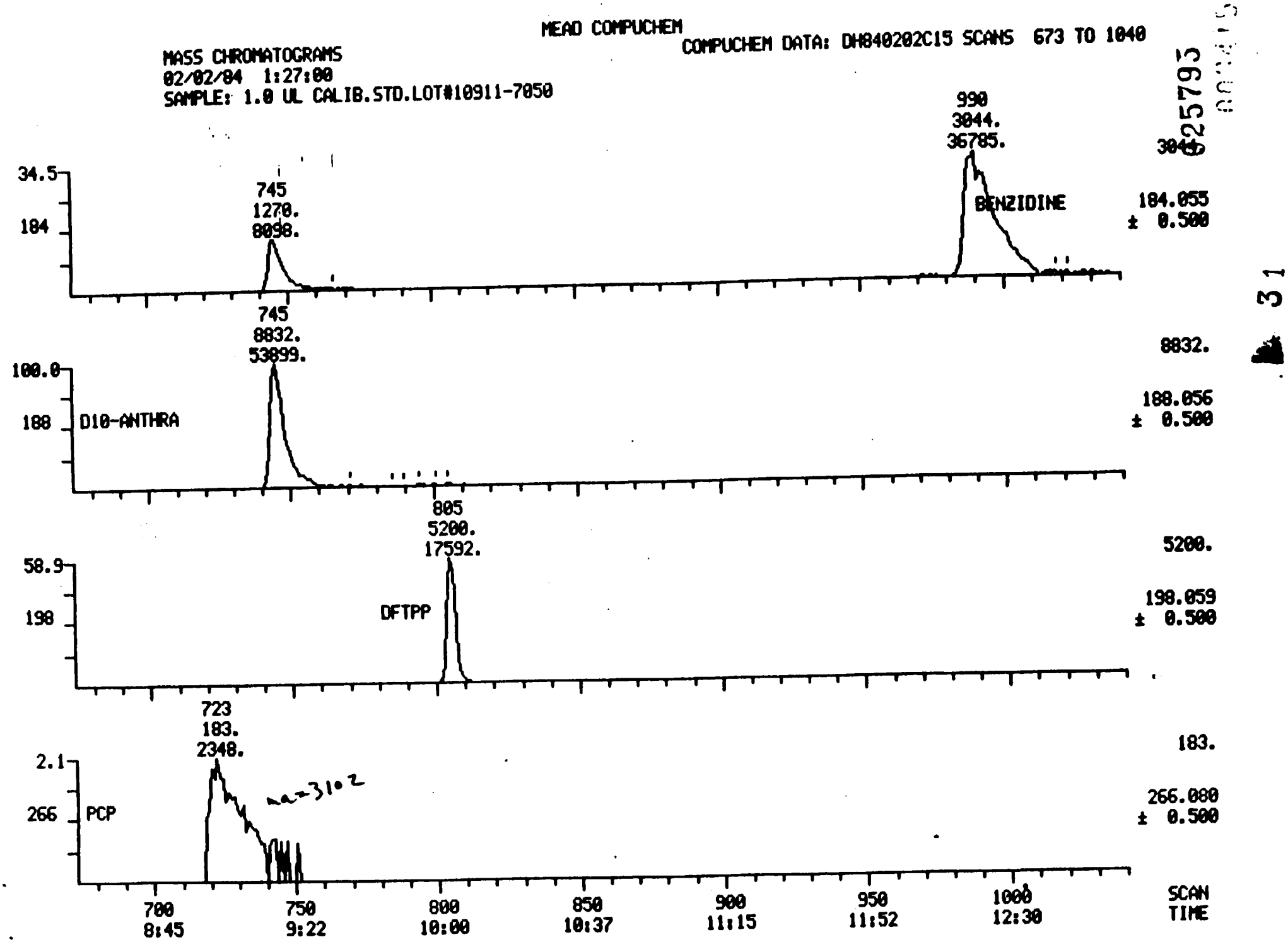
025730

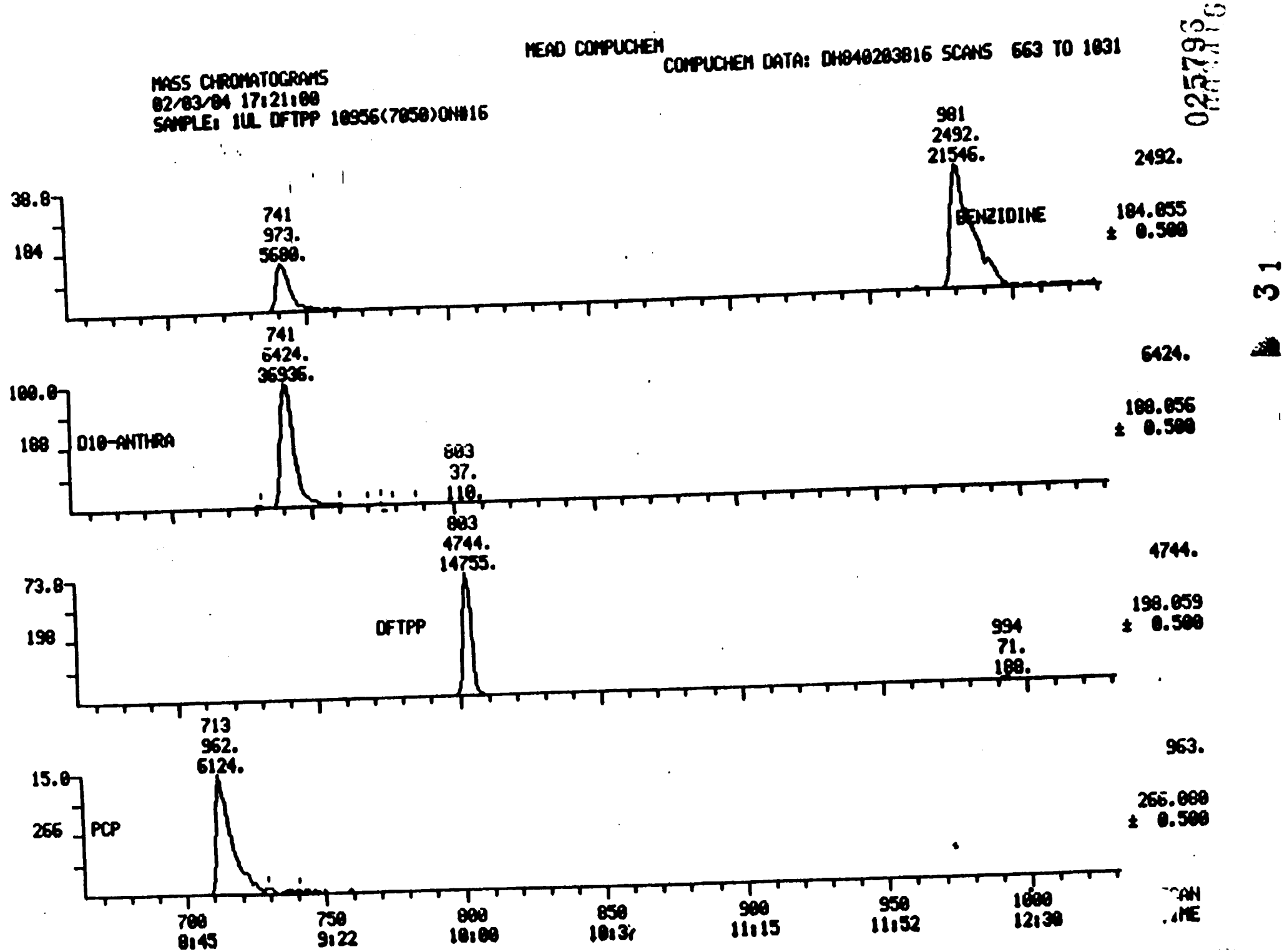
C


MEAD COMPUCHEM
COMPUCHEM DATA: DH040127C15 SCANS 600 TO 830
MASS CHROMATOGRAMS
01/27/84 6:00:00
SAMPLE: 1UL DFTPP (10911)
741
11040.
61820.
100.0
188
11040.
188.056
± 0.500
805
4576.
14653.
41.4
198
4576.
198.059
± 0.500
712
691.
3980.
6.3
266
691.
266.000
± 0.500
679
1406.
8043.
12.7
284
1406.
284.065
± 0.500
650
8:07
700
8:45
750
9:22
800
10:00
SCAN
TIME


MEAD COMPUCHEM
COMPUCHEM DATA: DH840201C15 SCANS 600 TO 820
MASS CHROMATOGRAMS
02/01/84 7:19:00
SAMPLE: 1UL DFTPP (10911)
742
8848.
54249.
789
63.
252.
804
4328.
14681.
713
609.
5789.
679
983.
6439.
100.0
188
48.9
198
6.9
266
11.1
284
8848.
188.056
± 0.500
4328.
198.059
± 0.500
609.
266.000
± 0.500
983.
284.085
± 0.500
600
7:30
650
8:07
700
8:45
750
9:22
800
10:00
SCAN
TIME


MEAD COMPUCHEM
COMPUCHEM DATA: DH840201B15 SCANS 667 TO 1038
MASS CHROMATOGRAMS
02/01/84 16:36:00
SAMPLE: 1UL DFTPP 10911(7059)ON#15
744
1921.
10330.
908
1382.
16028.
BENZIDINE
1926.
14.8
184
184.055
± 0.500
744
13040.
75594.
13040.
100.0
188
D10-ANTHRA
805
42.
173.
188.056
± 0.500
804
6872.
22958.
6872.
52.7
198
DFTPP
995
90.
296.
198.059
± 0.500
717
878.
6909.
879.
6.7
266
PCP
≈ 0.07
266.000
± 0.500
700
8:45
750
9:22
800
10:00
850
10:37
900
11:15
950
11:52
1000
12:30
SCAN
TIME

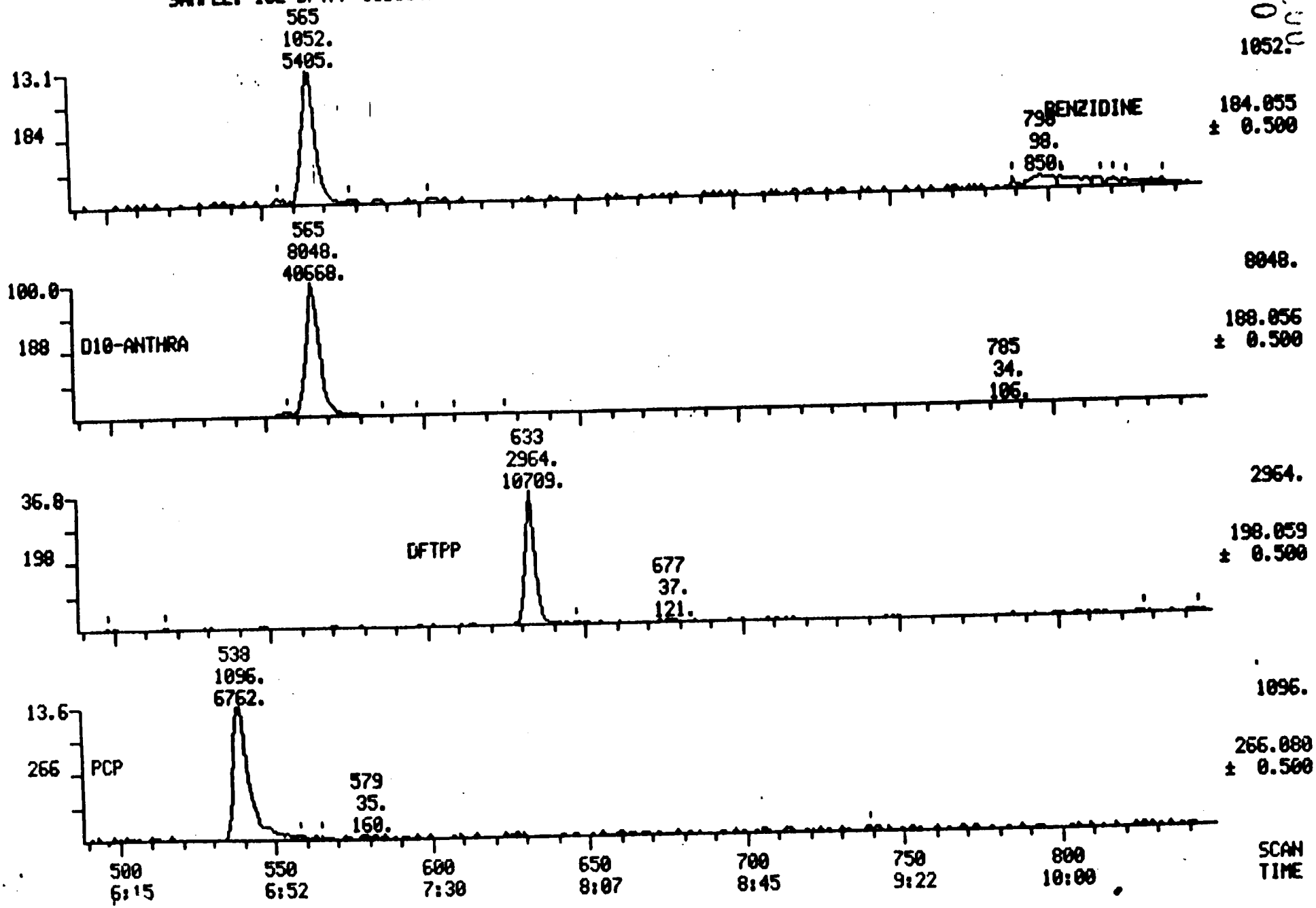

MEAD COMPUCHEM
COMPUCHEM DATA: DH840202C15 SCANS 673 TO 1040
MASS CHROMATOGRAMS
02/02/84 1:27:00
SAMPLE: 1.0 UL CALIB.STD.LOT#10911-7050
990
3044.
36785.
34.5
184
745
1270.
8098.
BENZIDINE
184.055
± 0.500
745
8832.
53899.
100.0
188
D10-ANTHRA
8832.
188.056
± 0.500
805
5200.
17592.
58.9
198
DFTPP
5200.
198.059
± 0.500
723
183.
2348.
2.1
266
PCP
183.
266.080
± 0.500
700
8:45
750
9:22
800
10:00
850
10:37
900
11:15
950
11:52
1000
12:30
SCAN
TIME


MEAD COMPUCHEM
COMPUCHEM DATA: DH040203B16 SCANS 663 TO 1031
MASS CHROMATOGRAMS
02/03/04 17:21:00
SAMPLE: 1UL DFTPP 10956(7050)DN016
981
2492.
21546.
2492.
38.8
184
741
973.
5680.
BENZIDINE
184.055
± 0.500
741
6424.
36936.
6424.
100.0
188
D10-ANTHRA
803
37.
110.
188.056
± 0.500
803
4744.
14755.
4744.
73.8
198
DFTPP
994
71.
108.
198.059
± 0.500
713
962.
6124.
963.
15.0
266
PCP
266.000
± 0.500
700
8:45
750
9:22
800
10:00
850
10:37
900
11:15
950
11:52
1000
12:30
SCAN
TIME

MEAD COMPUCHEM

COMPUCHEM DATA: DH840203B14 SCANS 488 TO 848

MASS CHROMATOGRAMS
02/03/84 16:42:00
SAMPLE: 1UL DFTPP 10956(7050)ON#14



1052.

184.055
± 0.500

8048.

188.056
± 0.500

2964.

198.059
± 0.500

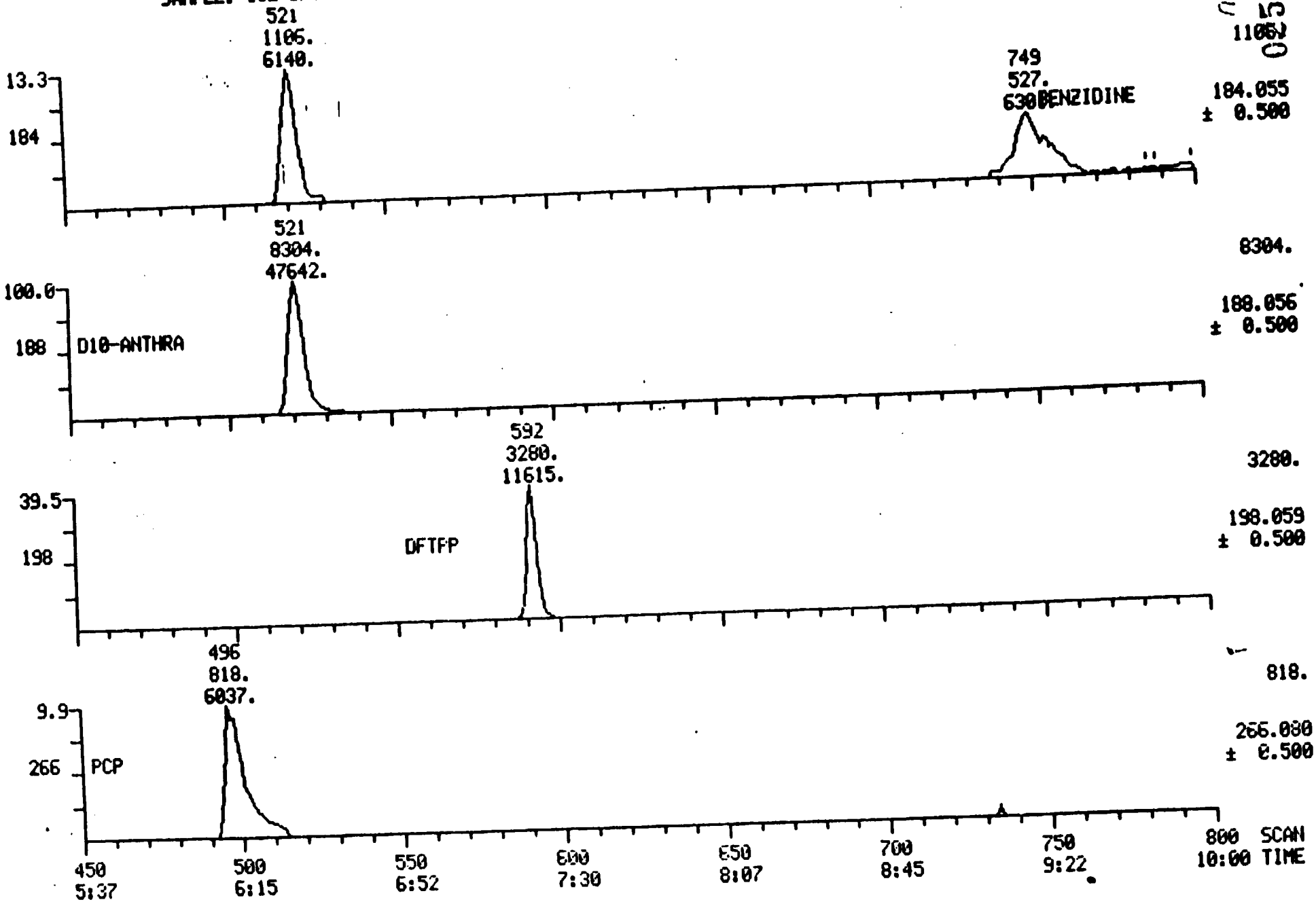
1096.

266.080
± 0.500

MEAD COMPUCHEM

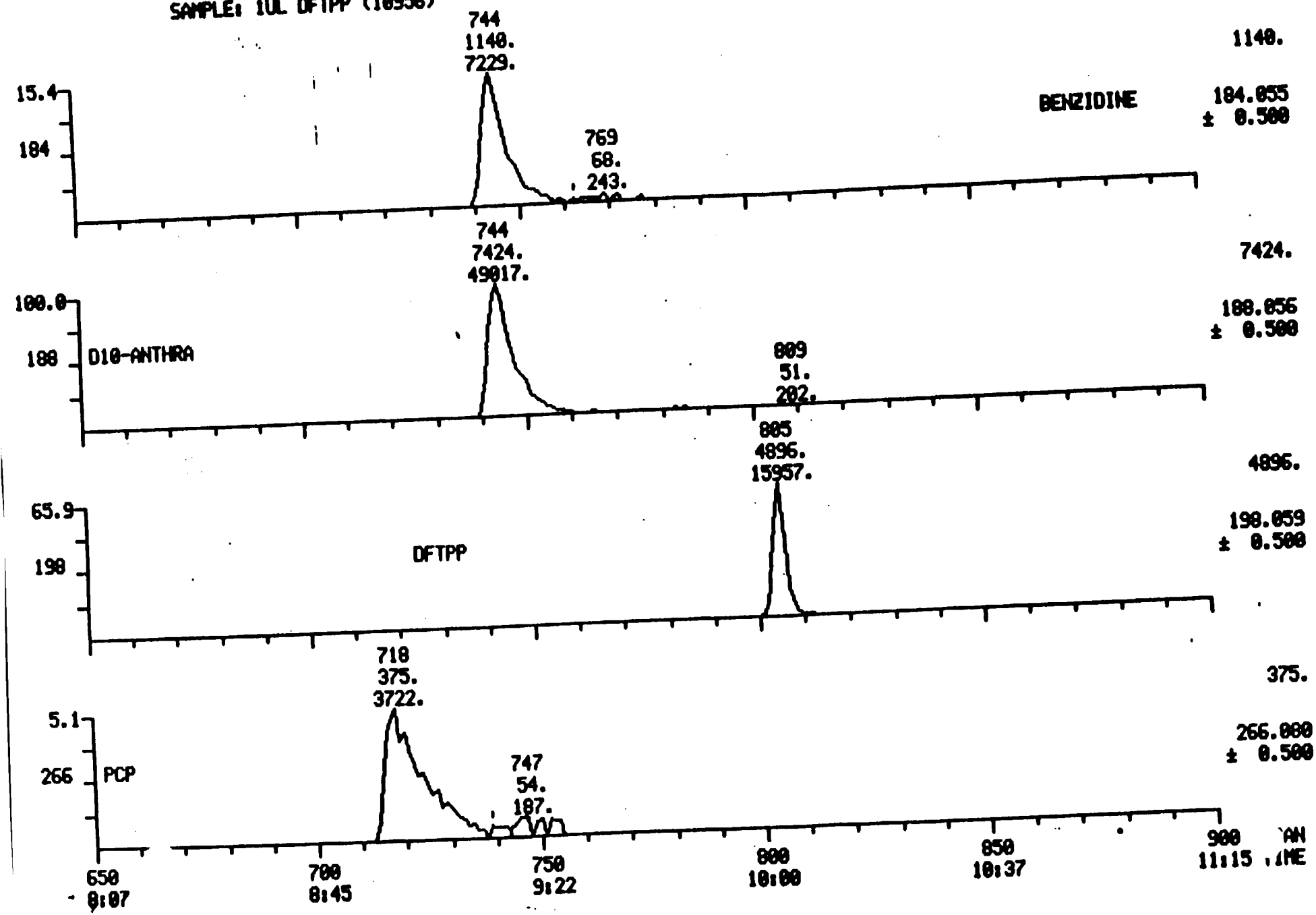
COMPUCHEM DATA: DH840211A14 SCANS 450 TO 800

MASS CHROMATOGRAMS
02/11/84 9:55:00
SAMPLE: 1UL DFTPP (11005)



MEAD COMPUCHEM
COMPUCHEM DATA: DH040206C15 SCANS 650 TO 900

MASS CHROMATOGRAMS
02/06/84 0:35:00
SAMPLE: 1UL DFTPP (10956)



RT in minutes
0.00
4.40
8.80
13.20
17.60
22.00
26.40
30.80
35.20
SAMPLE: SD HI
Method: EPA 8
INJECTED AT 20:22:45 ON JUN 27, 1984
Run: R0509
Proc: F0509
12.56
19.97
20.60
20.68
22.19
24.53
25.20

025800

Report: 1811.00 Channel: 0

Sample: SD MD Injected at 21:27:45 ON JAN 27, 1984

ESTD Method: EPAU Seq: SLN04 Subsq/Samp: 17 2 Btl: 9

SI width	MV/Min	Delay	Min Ar	Bunch
.250	.500	5.00	100	

Sup Unk	Dvl	ID Lvl	Ref RTW	%RTW	%Dlt-t	Iso
NO	0.00	0	.50	5.0	100.00	NO

Actual run time: 35.217 minutes

No reference peak found

RT	ITM	Factor	Area	UG/ML	Name
12.56	0.00	.10000E+01	15050. BB	36.816	
17.07	0.00	.10000E+01	7097. BB	17.348	
20.02	0.00	.10000E+01	1602. BB	3.920	
20.68	0.00	.10000E+01	1402. BB	3.428	
22.17	0.00	.10000E+01	6023. BB	14.704	
24.53	0.00	.10000E+01	2827. BB	6.904	
25.20	0.00	.10000E+01	6817. BB	16.680	

Total Area = 40880. Total UG/ML = 6818.625

Processed data file: P0609 Raw data file: R0609

0255011

RT in minutes
0.00
3.80
7.60
11.40
15.20
19.00
22.80
26.60
7.26
11.65
16.72
17.91
18.99
19.47
20.95
23.00
24.16

Report: 7164.00 Channel: 9

Sample: SD MD Injected at 10:54:15 ON FEB 1, 1984

ESTD Method: EPA7 Seq: SEQ95 Subsq/Samp: 17 7 Btl: 9

SI-width	MV/Min	Delay	Min Ar	Bunch
.250	3.000	3.00	32767	

Sup-Unk	Dvl	ID-Lvl	Ref RIW	ZRIW	ZDil f	Iso
NO	0.00	0	.50	5.0	100.00	NO

Actual run time: 30.017 minutes

Ended not on baseline
No reference peak found

RT	ITM	Factor	Area		AREA %	Name
7.26	0.00	.10000E+01	80334.	VV	1.602	
11.65	0.00	.10000E+01	2166743.	BS	43.178	
16.72	0.00	.10000E+01	70254.	BB	1.401	
17.91	0.00	.10000E+01	1219426.	BV	24.323	
18.20	0.00	.10000E+01	144468.	BB	2.882	
19.47	0.00	.10000E+01	67226.	BB	1.341	
20.95	0.00	.10000E+01	613774.	BB	12.232	
23.38	0.00	.10000E+01	127706.	BB	2.547	
24.17	0.00	.10000E+01	529108.	BB	10.554	

Total Area = 5013543. Total AREA % = 529108.000

Processed data file: P9509 Raw data file: R9509

INSTRUMENT BLANK

LOW LEVEL SOLID

Laboratory Name Mead CompuChem Case Number 2333
Lab Sample ID No. GE4013/B18 Associated Samples 19260 - 19269

VOLATILES

PPL	CAS#		ug/kg
(2V)	107-02-8	acrolein	ND
(3V)	107-13-1	acrylonitrile	ND
(4V)	71-43-2	benzene	ND
(6V)	56-23-5	carbon tetrachloride	ND
(7V)	108-90-7	chlorobenzene	ND
(10V)	107-06-2	1,2-dichloroethane	ND
(11V)	71-55-6	1,1,1-trichloroethane	ND
(13V)	75-34-3	1,1-dichloroethane	ND
(14V)	79-00-5	1,1,2-trichloroethane	ND
(15V)	79-34-5	1,1,2,2-tetrachloroethane	ND
(16V)	75-00-3	chloroethane	ND
(19V)	110-75-8	2-chloroethylvinyl ether	ND
(23V)	67-66-3	chloroform	ND
(29V)	75-35-4	1,1-dichloroethene	ND
(30V)	156-60-5	1,2-trans-dichloroethene	ND
(32V)	78-87-5	1,2-dichloropropane	ND
(33V)	10061-02-6	trans-1,3-dichloropropene	ND
	10061-01-05	cis,1,3-dichloropropene	ND
(38V)	100-41-4	ethylbenzene	ND
(44V)	75-09-2	methylene chloride	ND
(45V)	74-87-3	chloromethane	ND
(46V)	74-83-9	bromomethane	ND
(47V)	75-25-2	bromoform	ND
(48V)	75-27-4	bromodichloromethane	ND
(49V)	75-69-4	fluorotrichloromethane	ND
(51V)	124-48-1	chlorodibromomethane	ND
(85V)	127-18-4	tetrachloroethene	ND
(86V)	108-88-3	toluene	ND
(87V)	79-01-6	trichloroethene	ND
(88V)	75-01-4	vinyl chloride	ND

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	ND
	78-93-3	2-butanone	ND
	75-15-0	carbondisulfide	ND
	519-78-6	2-hexanone	ND
	108-10-1	4-methyl-2-pentanone	ND
	100-42-5	styrene	ND
	108-05-4	vinyl acetate	ND
	95-47-6	o-xylene	ND

025803

INSTRUMENT BLANK
VOLATILE LOW SOLID

Lab Name: Mead CompuChem

Lab Sample I.D. No. GE840131B18

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/kg)	(Surrogates only) Spike Added (ug/kg)	(Surrogates only) % Recovery
d8-Toluene	VOA	11	10	110
d4-1,2-Dichloroethane	VOA	7	10	70
Bromofluorobenzene	VOA	13	10	130

025806

LAB NAME: _____

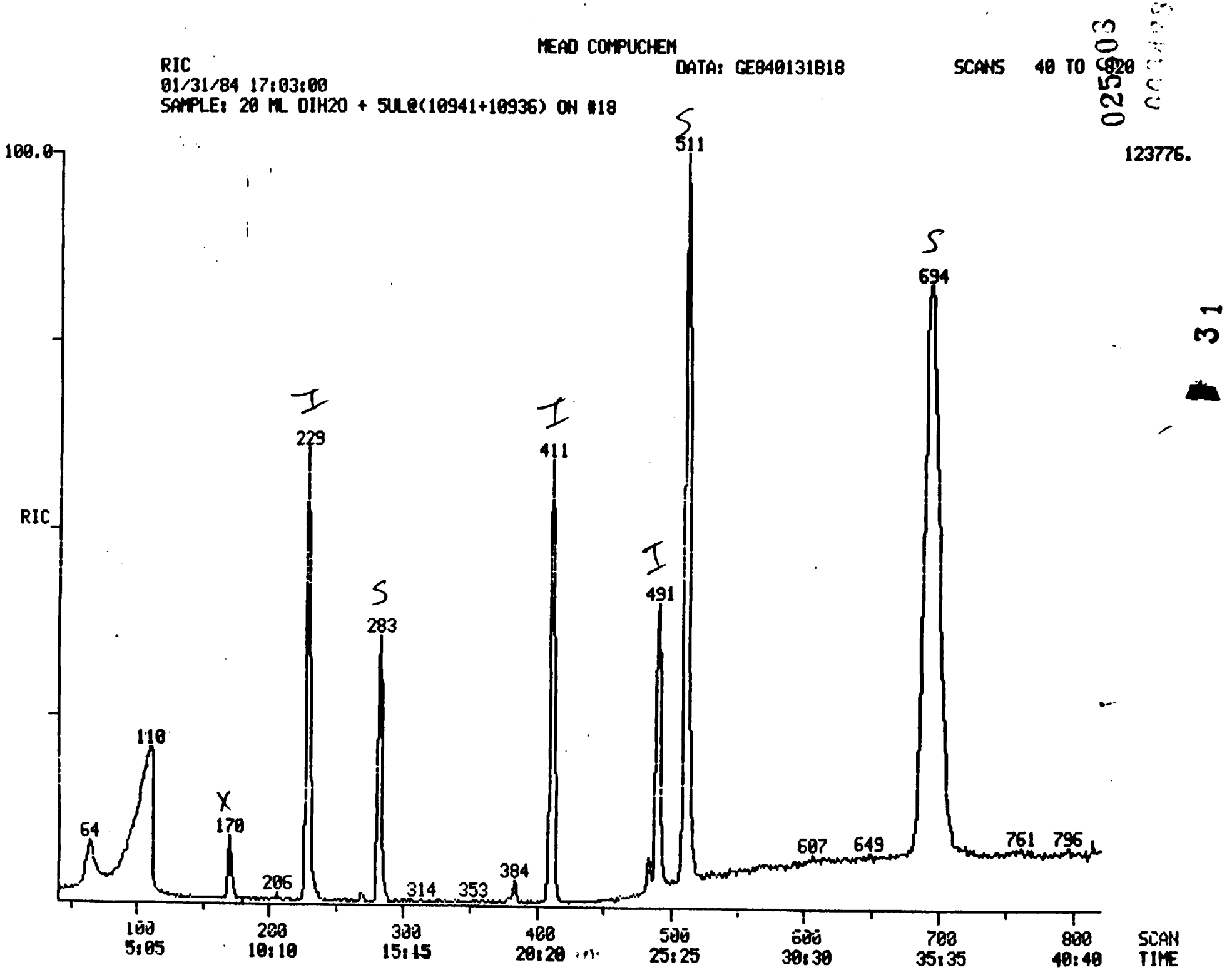
LAB SAMPLE I.D.# GE840131B18

SAMPLE #

0255807

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	FRACTION	% PURITY	ESTIMATE CONC. (ug/kg)
1			None	VOA		
2				VOA		
3				VOA		
4				VOA		
5				VOA		
6				VOA		
7				VOA		
8				VOA		
9				VOA		
10				VOA		


MEAD COMPUCHEM
RIC
01/31/84 17:03:00
SAMPLE: 20 ML DIH2O + 5UL@(10941+10936) ON #18
DATA: GE840131B18
SCANS 40 TO 820
025903
123776.
100.0
RIC
S 511
S 694
I 229
I 411
I 491
S 283
X 170
110
64
206
314
353
384
607
649
761
796
100 5:05
200 10:10
300 15:15
400 20:20
500 25:25
600 30:30
700 35:35
800 40:40
SCAN TIME
31

PROCEDURE: RK DIAGNOSTIC REPORT 1/31/84 17:52:41
DATA FILE: GE840131B18
REFERENCE: V238
METHOD: V238 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: V238S1

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
3	2	1	0	44	5	1	75	V238S1/V238U1

44 COMPOUNDS PROCESSED, 5 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SAT SEL	SAT DELTA	SAT PEAKS	SAT FIT	SAT PEAKS	CHRO M/E	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	P5	1	-230	229	229	.	1	956	.	130	229	.	1
2	P6	1	-411	411	.	.	.	.	.	79	411	.	1
3	P7	1	-491	491	491	.	1	994	.	55	491	.	1
4	P5	2	-54	53	.	.	.	.	.	50	.	.	.
5	P5	3	-87	86	.	.	.	.	.	94	.	.	.
6	P5	4	-106	105	.	.	.	.	.	62	.	.	.
7	P5	5	-130	129	.	.	.	.	.	64	.	.	.
8	P5	6	-172	171	.	.	.	.	.	84	170	.	1
9	P5	7	-182	181	.	.	.	.	.	58	.	.	.
10	P5	8	-182	181	.	.	.	.	.	56	.	.	.
11	P5	9	-195	194	.	.	.	.	.	53	.	.	.
12	P5	10	-211	210	.	.	.	.	.	101	.	.	.
13	P5	11	-202	201	.	.	.	.	.	76	.	.	.
14	P5	12	-223	222	.	.	.	.	.	96	.	.	.
15	P5	13	-247	246	.	.	.	.	.	65	.	.	.
17	P5	14	-261	260	.	.	.	.	.	96	.	.	.
1.	P5	15	-270	269	.	.	.	.	.	83	270	.	1
18	P5	16	-285	284	.	.	.	.	.	62	.	.	.
19	P5	17	-284	283	.	.	.	.	.	72	284	.	1
20	P5	18	-313	312	.	.	.	.	.	97	.	.	.
21	P5	19	-320	319	.	.	.	.	.	117	.	.	.
22	P6	2	-321	320	.	.	.	.	.	43	.	.	.
23	P6	3	-327	326	.	.	.	.	.	127	.	.	.
24	P6	4	-356	356	.	.	.	.	.	65	.	.	.
25	P6	5	-360	360	.	.	.	.	.	75	.	.	.
26	P6	6	-371	371	.	.	.	.	.	130	.	.	.
27	P6	7	-384	384	.	.	.	.	.	78	.	.	.
28	P6	8	-385	385	.	.	.	.	.	97	.	.	.
29	P6	9	-386	386	.	.	.	.	.	75	.	.	.
30	P6	10	-382	382	.	.	.	.	.	127	.	.	.
31	P6	11	-407	407	.	.	.	.	.	63	.	.	.
32	P6	12	-436	436	.	.	.	.	.	173	.	.	.
33	P6	13	-448	448	.	.	.	.	.	58	.	.	.
34	P7	2	-479	479	.	.	.	.	.	58	482	.	3
35	P7	3	-483	483	.	.	.	.	.	83	.	.	.
36	P7	4	-484	484	.	.	.	.	.	164	.	.	.
37	P7	5	-516	516	.	.	.	.	.	92	515	.	1
38	P7	6	-546	546	.	.	.	.	.	112	.	.	.
39	P7	7	-608	608	.	.	.	.	.	106	.	.	.
40	P7	8	-748	749	.	.	.	.	.	104	.	.	.
41	P7	9	-791	792	.	.	.	.	.	106	.	.	.
4.	P8	2	-283	282	283	1	1	987	.	65	283	.	1
4_	P8	3	-512	512	511	-1	1	979	.	100	511	.	1
44	P8	4	-691	691	692	1	1	991	.	176	692	.	1

QUANTITATION REPORT FILE: GE840131B18

DATA: GE840131B18.TI
01/31/84 17:03:00
SAMPLE: 20 ML DIH2O + SUL@(10941+10936) ON #18
SUBMITTED BY: 18 ANALYST: 584

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	201 ACROLEIN
9	202 ACRYLONITRILE
10	230 TRICHLOROFLUOROMETHANE
11	254 CARBON DISULFIDE
12	216 1,1-DICHLOROETHYLENE
13	214 1,1-DICHLOROETHANE
14	226 TRANS-1,2-DICHLOROETHYLENE
15	211 CHLOROFORM
16	215 1,2-DICHLOROETHANE
17	253 2-BUTANONE
18	227 1,1,1-TRICHLOROETHANE
19	206 CARBON TETRACHLORIDE
[illegible]	* 2-BROMO-1-CHLOROPROPANE
21	257 VINYL ACETATE
22	212 BROMODICHLOROMETHANE
23	217 1,2-DICHLOROPROPANE
24	250 TRANS-1,3-DICHLOROPROPENE
25	229 TRICHLOROETHYLENE
26	203 BENZENE
27	228 1,1,2-TRICHLOROETHANE
28	218 CIS-1,3-DICHLOROPROPENE
29	208 DIBROMOCHLOROMETHANE
30	210 2-CHLOROETHYL VINYL ETHER
31	205 BROMOFORM
32	256 4-METHYL-2-PENTANONE
33	* DICHLOROBUTANE
34	255 2-HEXANONE
35	223 1,1,2,2-TETRACHLOROETHANE
36	224 TETRACHLOROETHENE
37	225 TOLUENE
38	207 CHLOROBENZENE
39	219 ETHYLBENZENE
40	251 STYRENE
41	239 O-XYLENE
42	# D4-1,2-DICHLOROETHANE
43	# D8-TOLUENE
44	# BROMOFLUOROBENZENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	130	229	11:38	1	1.000	A BB	66802.	10.000	UG/KG	15.23
2	NOT FOUND									
3	NOT FOUND									
4	NOT FOUND									
5	NOT FOUND									
6	84	170	8:38	1	0.742	A BB	10883.	2.130	UG/KG	3.24
7	NOT FOUND									
8	NOT FOUND									
9	NOT FOUND									
10	NOT FOUND									
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	83	270	13:43	1	1.179	A BB	2139.	0.207	UG/KG	0.32
16	NOT FOUND									
17	72	284	14:26	1	1.240	A BB	599.	0.770	UG/KG	1.17
18	NOT FOUND									
19	NOT FOUND									
20	79	411	20:54	20	1.000	A BB	28456.	10.000	UG/KG	15.23
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	NOT FOUND									
27	NOT FOUND									
28	NOT FOUND									
29	NOT FOUND									
30	NOT FOUND									
31	NOT FOUND									
32	NOT FOUND									
33	55	491	24:58	33	1.000	A VV	59130.	10.000	UG/KG	15.23
34	58	482	24:30	1	2.105	A*BB	2218.	1.231	UG/KG	1.87
35	NOT FOUND									
36	NOT FOUND									
37	92	515	26:11	1	2.249	A BB	1598.	0.159	UG/KG	0.24
38	NOT FOUND									
39	NOT FOUND									
40	NOT FOUND									
41	NOT FOUND									
42	65	283	14:23	1	1.236	A BB	53053.	7.056	UG/KG	10.74
43	100	511	25:59	1	2.231	A BB	125680.	11.055	UG/KG	16.83
44	176	692	35:11	1	3.022	A BB	162203.	13.073	UG/KG	19.91

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	11:41	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	2:45		0.235			40.00		0.497	
3	4:25		0.378			40.00		1.831	
4	5:23		0.461			40.00		1.875	
5	6:36		0.565			40.00		0.379	
6	8:45	0.99	0.748	0.99	2.13	40.00	0.041	0.765	0.05
7	9:15		0.791			299.99		0.076	
8	9:15		0.791			399.99		0.091	
9	9:55		0.848			399.99		0.210	
10	10:44		0.917			40.00		1.531	

025811

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
11	10:16		0.878			40.00		3.213	
	11:20		0.970			40.00		0.741	
[illegible]	12:33		1.074			40.00		0.337	
14	13:16		1.135			40.00		0.804	
15	13:43	1.00	1.174	1.00	0.21	40.00	0.008	1.547	0.01
16	14:29		1.239			40.00		1.010	
17	14:26	1.00	1.235	1.00	0.77	299.99	0.000	0.116	0.00
18	15:55		1.361			40.00		1.187	
19	16:16		1.391			40.00		1.326	
20	20:54	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
21	16:19		1.396			40.00		1.273	
22	16:37		1.422			40.00		0.172	
23	18:06		1.548			40.00		0.226	
24	18:18		1.565			40.00		1.404	
25	18:52		1.613			40.00		1.158	
26	19:31		1.670			40.00		2.179	
27	19:34		1.674			40.00		0.937	
28	19:37		1.678			40.00		0.725	
29	19:25		1.661			40.00		1.372	
30	20:41		1.770			40.00		0.362	
31	22:10		1.896			40.00		1.481	
32	22:46		1.948			60.00		0.326	
33	24:58	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
34	24:21	1.01	2.083	1.01	1.23	60.00	0.006	0.270	0.02
35	24:33		2.100			40.00		1.679	
36	24:36		2.104			40.00		1.139	
37	26:14	1.00	2.243	1.00	0.16	40.00	0.006	1.504	0.00
[illegible]	27:45		2.374			40.00		2.137	
[illegible]	30:54		2.643			40.00		1.032	
40	38:01		3.252			40.00		2.361	
41	40:13		3.439			40.00		1.465	
42	14:23	1.00	1.230	1.00	7.06	10.00	0.794	1.126	0.71
43	25:24	1.02	2.226	1.00	11.05	10.00	1.881	1.702	1.11
44	35:08	1.00	3.004	1.01	13.07	10.00	2.428	1.857	1.31

INSTRUMENT BLANK

LOW LEVEL SOLID

Laboratory Name: Mead CompuChem
Lab Sample ID No.: GE4D13IB12

Case Number: 2333
Associated Samples: 19270

VOLATILES

PP#	CAS#		ug/kg
(2V)	107-02-8	acrolein	ND
(3V)	107-13-1	acrylonitrile	ND
(4V)	71-43-2	benzene	ND
(6V)	56-23-5	carbon tetrachloride	ND
(7V)	108-90-7	chlorobenzene	ND
(10V)	107-06-2	1,2-dichloroethane	ND
(11V)	71-55-6	1,1,1-trichloroethane	ND
(13V)	75-34-3	1,1-dichloroethane	ND
(14V)	79-00-5	1,1,2-trichloroethane	ND
(15V)	79-34-5	1,1,2,2-tetrachloroethane	ND
(16V)	75-00-3	chloroethane	ND
(19V)	110-75-8	2-chloroethylvinyl ether	ND
(23V)	67-66-3	chloroform	ND
(29V)	75-35-4	1,1-dichloroethene	ND
(30V)	156-60-5	1,2-trans-dichloroethene	ND
(32V)	78-87-5	1,2-dichloropropane	ND
(33V)	10061-02-6	trans-1,3-dichloropropene	ND
	10061-01-05	cis,1,3-dichloropropene	ND
(38V)	100-41-4	ethylbenzene	ND
(44V)	75-09-2	methylene chloride	ND
(45V)	74-87-3	chloromethane	ND
(46V)	74-83-9	bromomethane	ND
(47V)	75-25-2	bromoform	ND
(48V)	75-27-4	bromodichloromethane	ND
(49V)	75-69-4	fluorotrichloromethane	ND
(51V)	124-48-1	chlorodibromomethane	ND
(85V)	127-18-4	tetrachloroethene	ND
(86V)	108-88-3	toluene	ND
(87V)	79-01-6	trichloroethene	ND
(88V)	75-01-4	vinyl chloride	ND

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	ND
	78-93-3	2-butanone	ND
	75-15-0	carbondisulfide	ND
	519-78-6	2-hexanone	ND
	108-10-1	4-methyl-2-pentanone	ND
	100-42-5	styrene	ND
	108-05-4	vinyl acetate	ND
	95-47-6	xylene	ND

INSTRUMENT BLANK
VOLATILE LOW SOLID

Lab Name: Mead CompuChem

Lab Sample I.D. No. GE840131B12

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/kg)	(Surrogates only) Spike Added (ug/kg)	(Surrogates only) % Recovery
d8-Toluene	VOA	10.1	10	101
d4-1,2-Dichloroethane	VOA	6.9	10	69
Bromofluorobenzene	VOA	11.1	10	111

025814

ORGANICS ANALYSIS DATA SHEET - Page 4

LAB NAME: _____

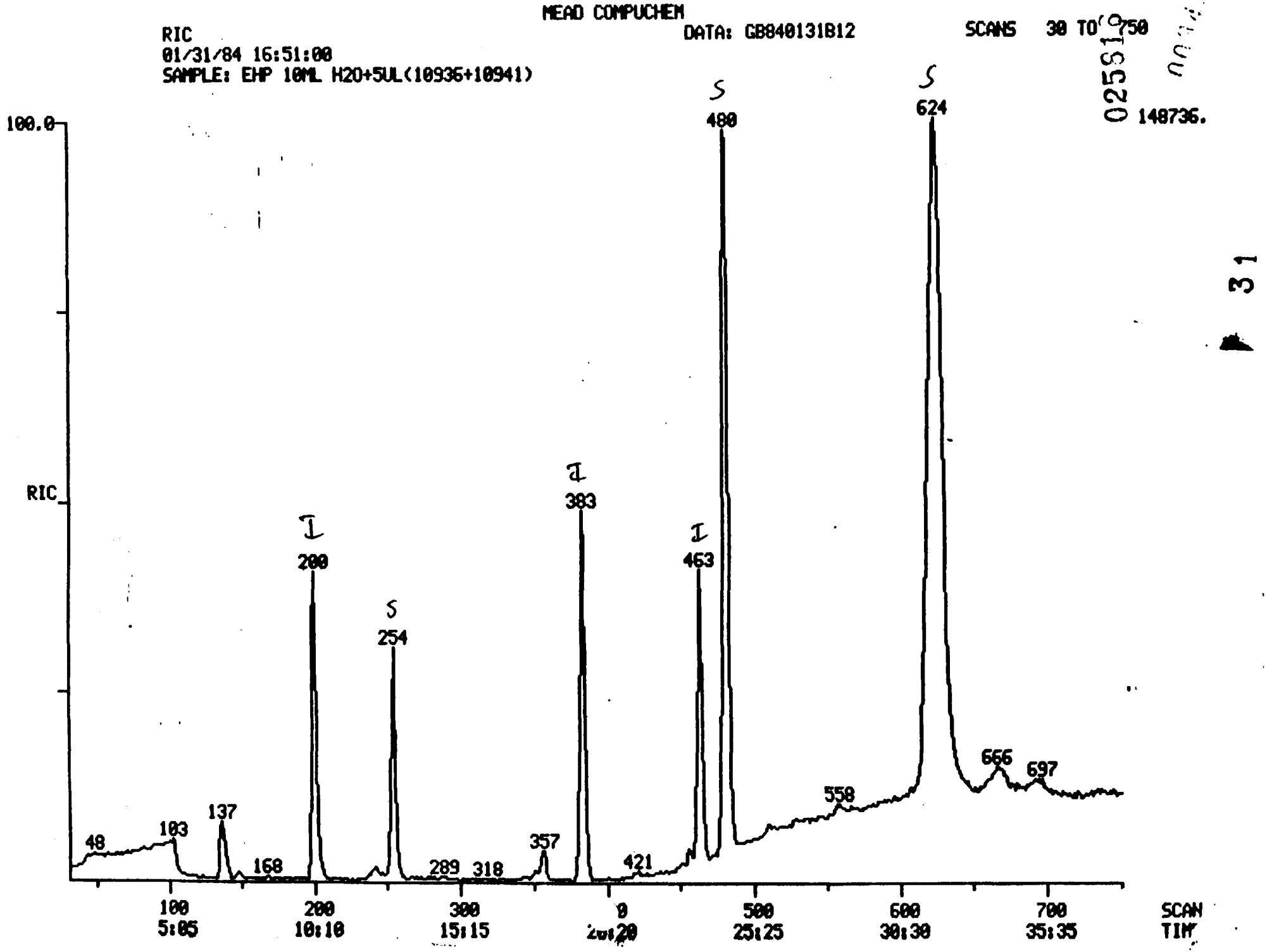
LAB SAMPLE I.D.# _____

SAMPLE #

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS

ITEM NUMBER	SCAN NUMBER	CAS #	COMPOUND NAME	FRACTION	% PURITY	ESTIMATE CONC. (ug/kg)
1				VOA		
2				VOA		
3				VOA		
4				VOA		
5				VOA		
6				VOA		
7				VOA		
8				VOA		
9				VOA		
10				VOA		

025815


MEAD COMPUCHEM
RIC
01/31/84 16:51:00
SAMPLE: EMP 10ML H2O+5UL(10936+10941)
DATA: GB840131B12
SCANS 30 TO 750
100.0
RIC
I 200
S 254
I 383
S 480
I 463
S 624
48
103
137
168
289
318
357
421
558
666
697
100 5:05
200 10:10
300 15:15
0 20:20
500 25:25
600 30:30
700 35:35
SCAN TIM

PROCEDURE: RK DIAGNOSTIC REPORT 1/31/84 17:28:23
DATA FILE: G8840131B12
REFERENCE: V238
METHOD: V238 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: V238S1

< ---- STANDARDS ----- >< --- PLUS UNKNOWNS --- >< - LIST NAMES - >								
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	33	44	6	1	61	V238S1/V238U1

44 COMPOUNDS PROCESSED, 6 FOUND

< COMPOUND >< ---------- SEARCH ---------- >< SAT >< ------ CHRO -------														
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS	
1	P5	1	-199	200	200	.	1	933	.	130	200	.	1	
2	P6	1	-382	383	383	.	1	706	.	79	383	.	1	
3	P7	1	-463	463	463	.	1	977	.	55	463	.	1	
4	P5	2	-37	37	.	.	.	.	.	50	.	.	.	
5	P5	3	-57	57	.	.	.	.	.	94	.	.	.	
6	P5	4	-71	71	.	.	.	.	.	62	.	.	.	
7	P5	5	-92	92	.	.	.	.	.	64	.	.	.	
8	P5	6	-136	136	.	.	.	.	.	84	137	.	1	
9	P5	7	-147	147	.	.	.	.	.	58	148	.	1	
10	P5	8	-147	147	.	.	.	.	.	56	.	.	.	
11	P5	9	-162	162	.	.	.	.	.	53	.	.	.	
12	P5	10	-177	177	.	.	.	.	.	101	.	.	.	
13	P5	11	-166	166	.	.	.	.	.	76	168	.	1	
14	P5	12	-190	190	.	.	.	.	.	96	.	.	.	
15	P5	13	-216	216	.	.	.	.	.	65	.	.	.	
16	P5	14	-229	229	.	.	.	.	.	96	.	.	.	
17	P5	15	-241	241	.	.	.	.	.	83	241	.	1	
18	P5	16	-255	255	.	.	.	.	.	62	.	.	.	
19	P5	17	-253	253	.	.	.	.	.	72	254	.	1	
20	P5	18	-282	282	.	.	.	.	.	97	.	.	.	
21	P5	19	-290	290	.	.	.	.	.	117	.	.	.	
22	P6	2	-291	291	.	.	.	.	.	43	.	.	.	
23	P6	3	-299	299	.	.	.	.	.	127	.	.	.	
24	P6	4	-327	327	.	.	.	.	.	65	.	.	.	
25	P6	5	-332	332	.	.	.	.	.	75	.	.	.	
26	P6	6	-342	342	.	.	.	.	.	130	.	.	.	
27	P6	7	-354	354	.	.	.	.	.	78	354	.	1	
28	P6	8	-357	357	.	.	.	.	.	97	.	.	.	
29	P6	9	-357	357	.	.	.	.	.	75	.	.	.	
30	P6	10	-355	355	.	.	.	.	.	127	.	.	.	
31	P6	11	-379	379	.	.	.	.	.	63	.	.	.	
32	P6	12	-409	410	.	.	.	.	.	173	.	.	.	
33	P6	13	-419	420	.	.	.	.	.	58	419	.	1	
34	P7	2	-450	451	.	.	.	.	.	58	451	.	1	
35	P7	3	-456	457	.	.	.	.	.	83	456	.	1	
36	P7	4	-456	457	.	.	.	.	.	164	457	.	1	
37	P7	5	-484	485	.	.	.	.	.	92	484	.	1	
38	P7	6	-509	510	.	.	.	.	.	112	510	.	1	
39	P7	7	-557	558	.	.	.	.	.	106	559	.	2	
40	P7	8	-660	661	.	.	.	.	999	104	.	.	.	
41	P7	9	-693	694	.	.	.	.	999	106	.	.	.	
42	P8	2	-254	254	254	.	1	939	.	65	254	.	1	
43	P8	3	-480	481	480	-1	1	958	.	100	480	.	1	
44	P8	4	-621	622	622	.	1	982	.	176	622	.	1	

025817

QUANTITATION REPORT FILE: GB840131B12

DATA: GB840131B12.TI
^'/31/84 16:51:00
.MPLE: EHP 10ML H2O+5UL(10936+10941)
SUBMITTED BY: 12 ANALYST: 673

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	201 ACROLEIN
9	202 ACRYLONITRILE
10	230 TRICHLOROFLUOROMETHANE
11	254 CARBON DISULFIDE
12	216 1,1-DICHLOROETHYLENE
13	214 1,1-DICHLOROETHANE
14	226 TRANS-1,2-DICHLOROETHYLENE
15	211 CHLOROFORM
16	215 1,2-DICHLOROETHANE
17	253 2-BUTANONE
18	227 1,1,1-TRICHLOROETHANE
9	206 CARBON TETRACHLORIDE
20	* 2-BROMO-1-CHLOROPROPANE
21	257 VINYL ACETATE
22	212 BROMODICHLOROMETHANE
23	217 1,2-DICHLOROPROPANE
24	250 TRANS-1,3-DICHLOROPROPENE
25	229 TRICHLOROETHYLENE
26	203 BENZENE
27	228 1,1,2-TRICHLOROETHANE
28	218 CIS-1,3-DICHLOROPROPENE
29	208 DIBROMOCHLOROMETHANE
30	210 2-CHLOROETHYL VINYL ETHER
31	205 BROMOFORM
32	256 4-METHYL-2-PENTANONE
33	* DICHLOROBUTANE
34	255 2-HEXANONE
35	223 1,1,2,2-TETRACHLOROETHANE
36	224 TETRACHLOROETHENE
37	225 TOLUENE
38	207 CHLOROBENZENE
39	219 ETHYLBENZENE
40	251 STYRENE
41	239 O-XYLENE
42	# D4-1,2-DICHLOROETHANE
43	# D8-TOLUENE
44	# BROMOFLUOROBENZENE

.40	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	ZTOT

025813

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	130	200	10:10	1	1.000	A BB	59985.	10.000	UG/KG	14.87
2	NOT FOUND									
3	NOT FOUND									
4	NOT FOUND									
5	NOT FOUND									
6	84	137	6:58	1	0.685	A BB	17305.	1.947	UG/KG	2.89
7	58	148	7:31	1	0.740	A BB	1056.	1.932	UG/KG	2.87
8	NOT FOUND									
9	NOT FOUND									
10	NOT FOUND									
11	76	168	8:32	1	0.840	A BB	1230.	0.058	UG/KG	0.09
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	83	241	12:15	1	1.205	A BB	2592.	0.204	UG/KG	0.30
16	NOT FOUND									
17	72	254	12:55	1	1.270	A BB	2134.	2.570	UG/KG	3.82
18	NOT FOUND									
19	NOT FOUND									
20	79	383	19:28	20	1.000	A BB	38593.	10.000	UG/KG	14.87
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	78	354	18:00	1	1.770	A VB	7409.	0.333	UG/KG	0.50
27	NOT FOUND									
28	NOT FOUND									
29	NOT FOUND									
30	NOT FOUND									
31	NOT FOUND									
32	58	419	21:18	1	2.095	A BB	1738.	0.618	UG/KG	0.92
33	55	463	23:32	33	1.000	A BB	81391.	10.000	UG/KG	14.87
34	58	451	22:56	1	2.255	A BB	1560.	0.666	UG/KG	0.99
35	83	456	23:11	1	2.280	A BB	2825.	0.187	UG/KG	0.28
36	164	457	23:14	1	2.285	A BB	478.	0.046	UG/KG	0.07
37	92	484	24:36	1	2.420	A BB	3373.	0.237	UG/KG	0.35
38	112	510	25:55	1	2.550	A BB	3488.	0.173	UG/KG	0.26
39	106	559	28:25	1	2.795	A*BB	1980.	0.165	UG/KG	0.24
40	NOT FOUND									
41	NOT FOUND									
42	65	254	12:55	1	1.270	A BV	57932.	6.919	UG/KG	10.29
43	100	480	24:24	1	2.400	A BB	149914.	10.107	UG/KG	15.03
44	176	622	31:37	1	3.110	A BB	129950.	11.111	UG/KG	16.52

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	10:10	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	1:56		0.186			60.00		0.809	
3	2:54		0.286			60.00		1.958	
4	3:37		0.357			60.00		1.291	
5	4:41		0.462			60.00		0.641	
6	6:55	1.01	0.683	1.00	1.95	60.00	0.048	1.482	0.03
7	7:28	1.01	0.739	1.00	1.93	449.99	0.000	0.091	0.00
8	7:28		0.739			599.99		0.106	
9	8:14		0.814			599.99		0.214	
10	9:00		0.889			60.00		2.238	

02581

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
11	8:29	1.01	0.834	1.01	0.06	60.00	0.003	3.548	0.00
12	9:39		0.955			60.00		0.998	
13	10:59		1.085			60.00		0.522	
14	11:41		1.151			60.00		1.121	
15	12:15	1.00	1.211	1.00	0.20	60.00	0.007	2.122	0.00
16	13:01		1.281			60.00		1.204	
17	12:55	1.00	1.271	1.00	2.57	449.99	0.001	0.138	0.01
18	14:23		1.417			60.00		1.695	
19	14:44		1.457			60.00		1.604	
20	19:28	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
21	14:51		1.462			60.00		1.075	
22	15:12		1.503			60.00		0.211	
23	16:37		1.643			60.00		0.399	
24	16:53		1.668			60.00		2.096	
25	17:26		1.719			60.00		1.880	
26	18:00	1.00	1.779	0.99	0.33	60.00	0.021	3.707	0.01
27	18:12		1.794			60.00		1.415	
28	18:12		1.794			60.00		1.102	
29	18:03		1.784			60.00		1.866	
30	19:16		1.905			60.00		0.576	
31	20:47		2.055			60.00		1.477	
32	21:21	1.00	2.106	0.99	0.62	90.00	0.003	0.468	0.01
33	23:32	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
34	22:52	1.00	2.261	1.00	0.67	90.00	0.003	0.391	0.01
35	23:11	1.00	2.291	0.99	0.19	60.00	0.008	2.525	0.00
36	23:11	1.00	2.291	1.00	0.05	60.00	0.001	1.723	0.00
37	24:36	1.00	2.432	0.99	0.24	60.00	0.009	2.369	0.00
38	25:52	1.00	2.558	1.00	0.17	60.00	0.010	3.368	0.00
39	28:22	1.00	2.799	1.00	0.16	60.00	0.006	2.003	0.00
40	33:33		3.317			60.00		3.572	
41	35:14		3.482			60.00		2.197	
42	12:55	1.00	1.276	0.99	6.92	10.00	0.966	1.396	0.69
43	24:24	1.00	2.412	0.99	10.11	10.00	2.499	2.473	1.01
44	31:34	1.00	3.121	1.00	11.11	10.00	2.166	1.950	1.11

025820

INSTRUMENT BLANK

LOW LEVEL SOLID

Laboratory Name: Mead ComputChem
Lab Sample ID No.: GB8401316 18

Case Number: 2333
Associated Samples: 19257, 19264, 19265

VOLATILES

PP#	CAS#		ug/kg
(2V)	107-02-8	acrolein	ND
(3V)	107-13-1	acrylonitrile	ND
(4V)	71-43-2	benzene	ND
(6V)	56-23-5	carbon tetrachloride	ND
(7V)	108-90-7	chlorobenzene	ND
(10V)	107-06-2	1,2-dichloroethene	ND
(11V)	71-55-6	1,1,1-trichloroethane	ND
(13V)	75-34-3	1,1-dichloroethene	ND
(14V)	79-00-5	1,1,2-trichloroethene	ND
(15V)	79-34-5	1,1,2,2-tetrachloroethene	ND
(16V)	75-00-3	chloroethene	ND
(19V)	110-75-8	2-chloroethylvinyl ether	ND
(23V)	67-66-3	chloroform	ND
(29V)	75-35-4	1,1-dichloroethene	ND
(30V)	156-60-5	1,2-trans-dichloroethene	ND
(32V)	78-87-5	1,2-dichloropropene	ND
(33V)	10061-02-6	trans-1,3-dichloropropene	ND
	10061-01-05	cis,1,3-dichloropropene	ND
(38V)	100-41-4	ethylbenzene	ND
(44V)	75-09-2	methylene chloride	ND
(45V)	74-87-3	chloromethene	ND
(46V)	74-83-9	bromomethene	ND
(47V)	75-25-2	bromoform	ND
(48V)	75-27-4	bromodichloromethene	ND
(49V)	75-69-4	fluorotrichloromethene	ND
(51V)	124-48-1	chlorodibromomethene	ND
(85V)	127-18-4	tetrachloroethene	ND
(86V)	108-88-3	toluene	ND
(87V)	79-01-6	trichloroethene	ND
(88V)	75-01-4	vinyl chloride	ND

(Non-Priority Pollutant Hazardous Substances)

	67-64-1	acetone	ND
	78-93-3	2-butenone	ND
	75-15-0	carbondisulfide	ND
	519-78-6	2-hexenone	ND
	108-10-1	4-methyl-2-pentenone	ND
	100-42-5	styrene	ND
	108-05-4	vinyl acetate	ND
	95-47-6	o-xylene	ND

025821

INSTRUMENT BLANK
VOLATILE LOW SOLID

Lab Name: Mead CompuChem

Lab Sample I.D. No. GB840 131C 18

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/kg)	(Surrogates only) Spike Added (ug/kg)	(Surrogates only) % Recovery
dB-Toluene	VOA	9	10	90
d4-1,2-Dichloroethane	VOA	7.2	10	72
Bromofluorobenzene	VOA	10	10	100

025822

SAMPLE #

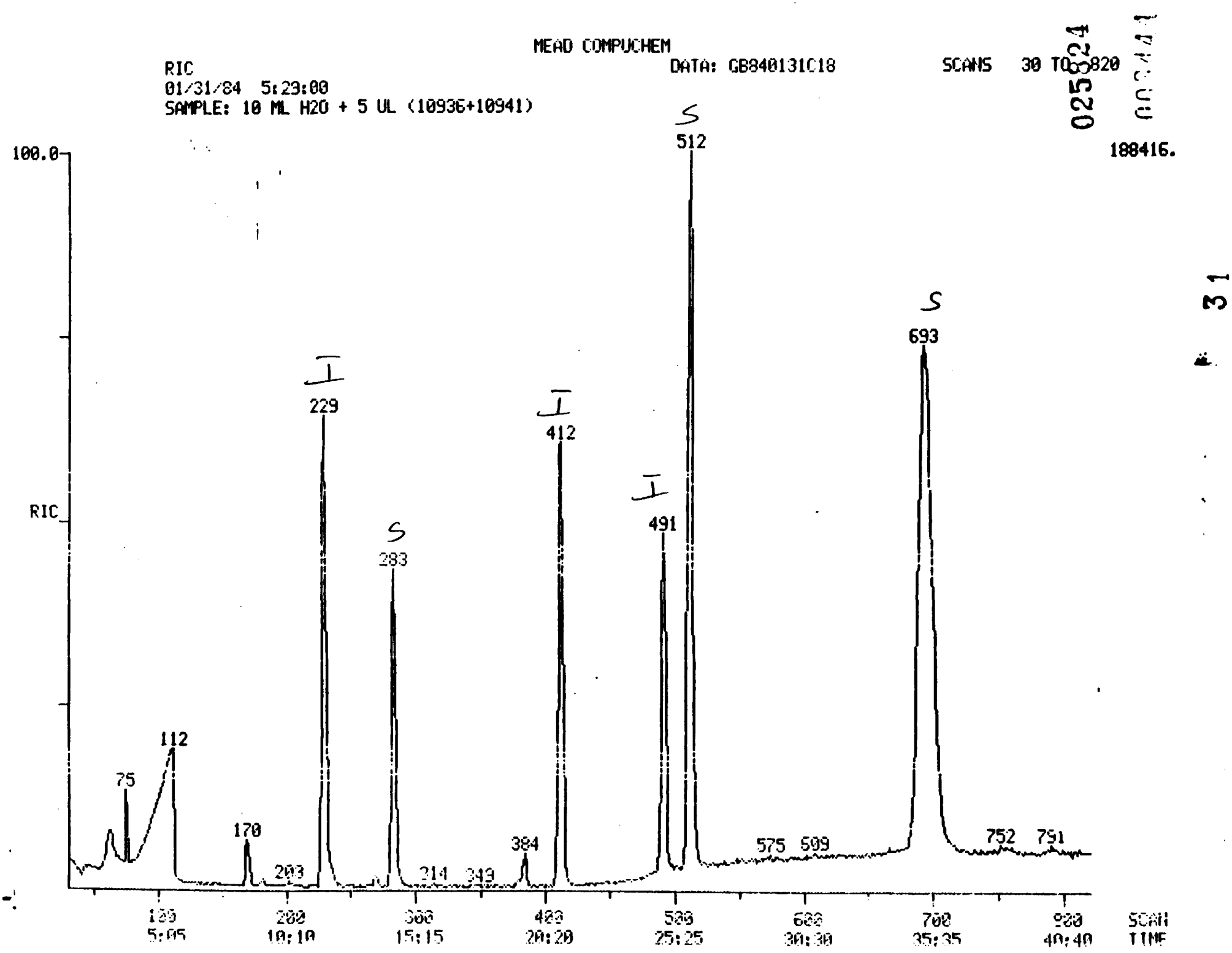
LAB NAME: _____

LAB SAMPLE I.D.# GBSJ0131C18

025523

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	FRACTION	% PURITY	ESTIMATE CONC. (ug/kg)
1			None	VOA		
2				VOA		
3				VOA		
4				VOA		
5				VOA		
6				VOA		
7				VOA		
8				VOA		
9				VOA		
10				VOA		


MEAD COMPUCHEM
RIC
01/31/84 5:23:00
SAMPLE: 10 ML H2O + 5 UL (10936+10941)
DATA: GB840131C18
SCANS 30 TO 820
188416.
100.0
RIC
S
512
I
229
S
283
I
412
I
491
S
693
75
112
170
203
214
349
384
575
609
752
791
100
5:05
200
10:10
300
15:15
400
20:20
500
25:25
600
30:30
700
35:35
800
40:40
SCAN
TIME

PROCEDURE: RK DIAGNOSTIC REPORT 1/31/84 6:13:21
DATA FILE: GB840131C18
REFERENCE: V238
METHOD: V238 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: V238S1

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	0	44	6	1	54	V238S1/V238U1

44 COMPOUNDS PROCESSED, 6 FOUND

COMPOUND			SEARCH					SAT		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	P5	1	229	229	229	.	1	963	.	130	229	.	1
2	P6	1	411	411	411	.	1	756	.	79	411	.	1
3	P7	1	491	491	491	.	1	992	.	55	491	.	1
4	P5	2	54	53	.	.	.	.	.	50	.	.	.
5	P5	3	-85	84	.	.	.	.	.	94	.	.	.
6	P5	4	105	104	.	.	.	.	.	62	.	.	.
7	P5	5	129	128	.	.	.	.	.	64	.	.	.
8	P5	6	171	170	.	.	.	.	.	84	170	.	1
9	P5	7	181	180	.	.	.	.	.	58	182	.	1
10	P5	8	-181	180	.	.	.	.	.	56	.	.	.
11	P5	9	193	192	.	.	.	.	.	53	.	.	.
12	P5	10	211	210	.	.	.	.	.	101	.	.	.
13	P5	11	201	200	.	.	.	.	.	76	203	.	1
14	P5	12	223	222	.	.	.	.	.	96	.	.	.
15	P5	13	247	247	.	.	.	.	.	65	.	.	.
16	P5	14	261	261	.	.	.	.	.	96	.	.	.
1	P5	15	270	270	.	.	.	.	.	83	270	.	1
18	P5	16	285	285	.	.	.	.	.	62	.	.	.
19	P5	17	284	284	.	.	.	.	.	72	284	.	1
20	P5	18	312	312	.	.	.	.	.	97	.	.	.
21	P5	19	320	320	.	.	.	.	.	117	.	.	.
22	P6	2	321	321	.	.	.	.	.	43	.	.	.
23	P6	3	327	327	.	.	.	.	.	127	.	.	.
24	P6	4	356	356	.	.	.	.	.	65	.	.	.
25	P6	5	360	360	.	.	.	.	.	75	.	.	.
26	P6	6	371	371	.	.	.	.	.	130	.	.	.
27	P6	7	384	384	.	.	.	.	.	78	384	.	1
28	P6	8	385	385	.	.	.	.	.	97	.	.	.
29	P6	9	-386	386	.	.	.	.	.	75	.	.	.
30	P6	10	-383	383	.	.	.	.	.	127	.	.	.
31	P6	11	407	407	.	.	.	.	.	63	.	.	.
32	P6	12	436	436	.	.	.	.	.	173	.	.	.
33	P6	13	448	448	.	.	.	.	.	58	449	.	1
34	P7	2	479	479	.	.	.	.	.	58	.	.	.
35	P7	3	-483	483	.	.	.	.	.	83	.	.	.
36	P7	4	484	484	.	.	.	.	.	164	.	.	.
37	P7	5	516	516	.	.	.	.	.	92	516	.	1
38	P7	6	546	547	.	.	.	.	.	112	546	.	2
39	P7	7	608	609	.	.	.	.	.	106	.	.	.
40	P7	8	747	748	.	.	.	.	.	104	.	.	.
41	P7	9	791	792	.	.	.	.	.	106	793	.	1
42	P8	2	-284	284	283	-1	1	992	.	65	283	.	1
4	P8	3	511	511	512	1	1	960	.	100	512	-1	1
44	P8	4	692	693	693	.	1	993	.	176	692	.	1

025823

QUANTITATION REPORT FILE: GB840131C18

DATA: GB840131C18.TI
01/31/84 5:29:00
SAMPLE: 10 ML H2O + 5 UL (10936+10941)
SUBMITTED BY: 18 ANALYST: 714

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	201 ACROLEIN
9	202 ACRYLONITRILE
10	230 TRICHLOROFLUOROMETHANE
11	254 CARBON DISULFIDE
12	216 1,1-DICHLOROETHYLENE
13	214 1,1-DICHLOROETHANE
14	226 TRANS-1,2-DICHLOROETHYLENE
15	211 CHLOROFORM
16	215 1,2-DICHLOROETHANE
17	253 2-BUTANONE
18	227 1,1,1-TRICHLOROETHANE
19	206 CARBON TETRACHLORIDE
20	* 2-BROMO-1-CHLOROPROPANE
21	257 VINYL ACETATE
22	212 BROMODICHLOROMETHANE
23	217 1,2-DICHLOROPROPANE
24	250 TRANS-1,3-DICHLOROPROPENE
25	229 TRICHLOROETHYLENE
26	203 BENZENE
27	228 1,1,2-TRICHLOROETHANE
28	218 CIS-1,3-DICHLOROPROPENE
29	208 DIBROMOCHLOROMETHANE
30	210 2-CHLOROETHYL VINYL ETHER
31	205 BROMOFORM
32	256 4-METHYL-2-PENTANONE
33	* DICHLOROBUTANE
34	255 2-HEXANONE
35	223 1,1,2,2-TETRACHLOROETHANE
36	224 TETRACHLOROETHENE
37	225 TOLUENE
38	207 CHLOROBENZENE
39	219 ETHYLBENZENE
40	251 STYRENE
41	239 O-XYLENE
42	# D4-1,2-DICHLOROETHANE
43	# D8-TOLUENE
44	# BROMOFLUOROBENZENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT

025823

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	130	229	11:38	1	1.000	A BV	107348.	10.000 UG/KG	16.35
2	NOT FOUND								
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	84	170	8:38	1	0.742	A BB	12446.	1.232 UG/KG	2.01
7	58	182	9:15	1	0.795	A BB	514.	0.589 UG/KG	0.96
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	76	203	10:19	1	0.886	A BB	3232.	0.077 UG/KG	0.13
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	83	270	13:43	1	1.179	A BB	4210.	0.236 UG/KG	0.39
16	NOT FOUND								
17	72	284	14:26	1	1.240	A BB	3339.	2.524 UG/KG	4.13
18	NOT FOUND								
19	NOT FOUND								
20	79	411	20:54	20	1.000	A BB	47431.	10.000 UG/KG	16.35
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	78	384	19:31	1	1.677	A BB	505.	0.021 UG/KG	0.03
27	NOT FOUND								
28	NOT FOUND								
	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	58	449	22:49	1	1.961	A BB	433.	0.113 UG/KG	0.18
33	55	491	24:58	33	1.000	A BV	104448.	10.000 UG/KG	16.35
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	92	516	26:14	1	2.253	A BB	392.	0.023 UG/KG	0.04
38	112	546	27:45	1	2.384	A*BB	621.	0.025 UG/KG	0.04
39	NOT FOUND								
40	NOT FOUND								
41	106	793	40:19	1	3.463	A BB	249.	0.013 UG/KG	0.02
42	65	283	14:23	1	1.236	A BV	96222.	7.222 UG/KG	11.81
43	100	512	26:02	1	2.236	A BV	189890.	9.027 UG/KG	14.76
44	176	692	35:11	1	3.022	A BB	222658.	10.076 UG/KG	16.47

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	11:38	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	2:45		0.236			40.00		0.659	
3	4:22		0.376			40.00		1.935	
4	5:20		0.459			40.00		2.071	
5	6:33		0.563			40.00		0.431	
6	8:38	1.00	0.742	1.00	1.23	40.00	0.029	0.941	0.03
7	9:12	1.01	0.790	1.01	0.59	299.99	0.000	0.081	0.00
8	9:12		0.790			399.99		0.108	
	9:49		0.843			399.99		0.227	
10	10:44		0.921			40.00		1.984	

025827

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
11	10:13	1.01	0.878	1.01	0.08	40.00	0.008	3.926	0.00
12	11:20		0.974			40.00		0.769	
1	12:33		1.079			40.00		0.364	
14	13:16		1.140			40.00		0.846	
15	13:43	1.00	1.179	1.00	0.24	40.00	0.010	1.660	0.01
16	14:29		1.245			40.00		1.073	
17	14:23	1.00	1.236	1.00	2.52	299.99	0.001	0.123	0.01
18	15:52		1.362			40.00		1.230	
19	16:16		1.397			40.00		1.346	
20	20:54	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
21	16:19		1.402			40.00		1.497	
22	16:37		1.428			40.00		0.179	
23	18:06		1.555			40.00		0.245	
24	18:18		1.572			40.00		1.496	
25	18:52		1.620			40.00		1.188	
26	19:28	1.00	1.672	1.00	0.02	40.00	0.001	2.280	0.00
27	19:34		1.681			40.00		0.971	
28	19:37		1.686			40.00		0.771	
29	19:25		1.668			40.00		1.402	
30	20:41		1.777			40.00		0.400	
31	22:10		1.904			40.00		1.496	
32	22:46	1.00	1.956	1.00	0.11	60.00	0.001	0.358	0.00
33	24:58	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
34	24:21		2.092			60.00		0.310	
35	24:33		2.109			40.00		1.753	
36	24:36		2.114			40.00		1.152	
37	26:14	1.00	2.253	1.00	0.02	40.00	0.001	1.609	0.00
38	27:45	1.00	2.384	1.00	0.03	40.00	0.001	2.270	0.00
3	30:54		2.655			40.00		1.116	
40	37:58		3.262			40.00		2.876	
41	40:13	1.00	3.454	1.00	0.01	40.00	0.001	1.786	0.00
42	14:23	1.00	1.236	1.00	7.22	10.00	0.896	1.241	0.72
43	25:59	1.00	2.231	1.00	9.03	10.00	1.769	1.960	0.90
44	35:14	1.00	3.026	1.00	10.08	10.00	2.074	2.058	1.01

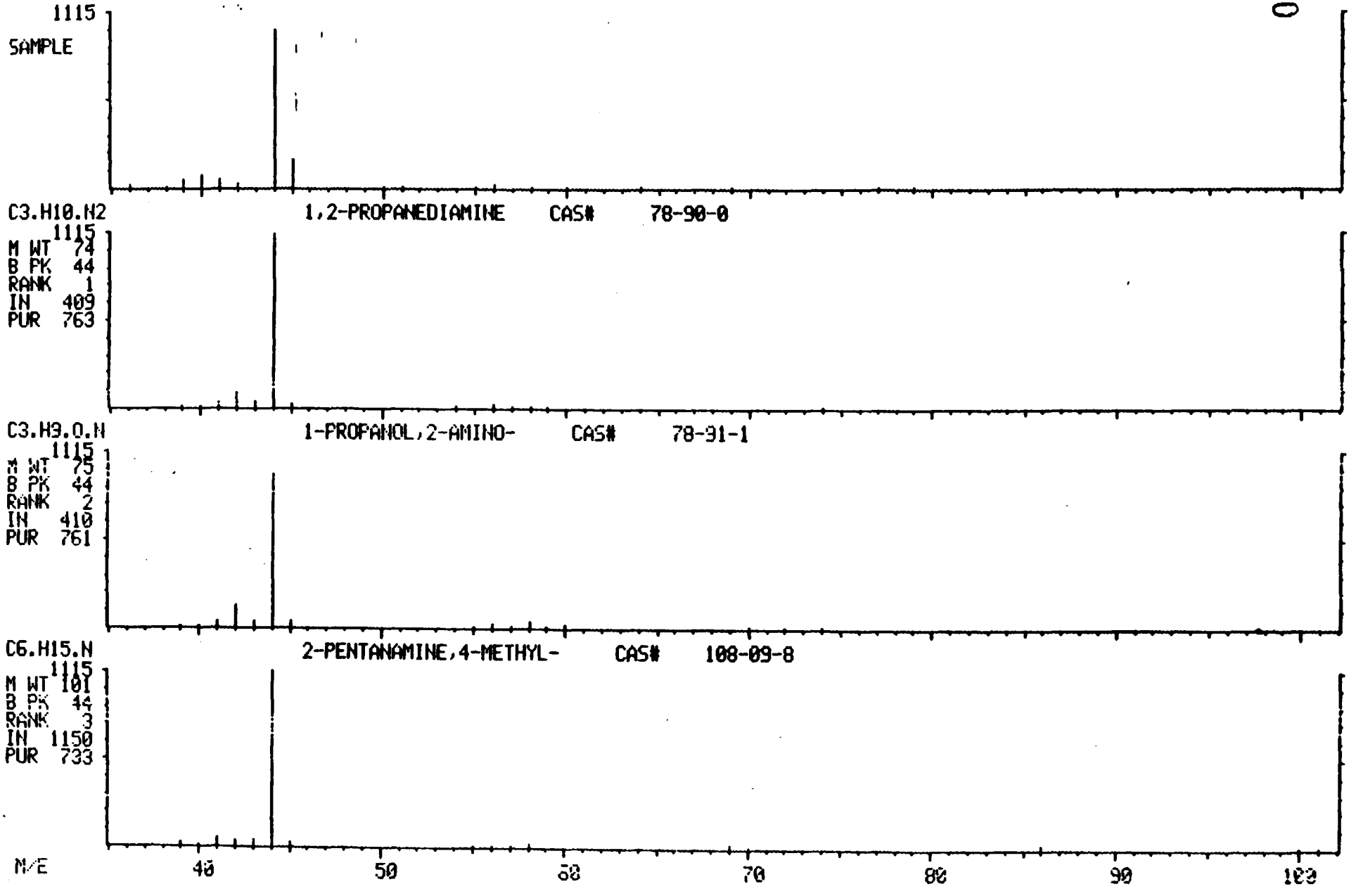
025823

MEAD COMPUCHEM

LIBRARY SEARCH
01/31/84 5:23:00 + 5:42
SAMPLE: 10 ML H2O + 5 UL (10936+10941)
ENHANCED (S 15B 2N 0T)

DATA: GB840131C18 # 112
BASE M/E: 44
RIC: 12911.

0258[illegible]



31

DATA FILENAME: GB840131C18

COMPUCHEM ORGANICS ANALYSIS DATA SHEET
LIBRARY SEARCH RESULTS OF EXTRANEOUS PEAKS &
ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: V238

SAMPLE # _____

25930

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ASSESSMENT* RS	OI	UK	ESTIMATED CONC. (UG/KG) OR (UG/L)
1	112	78-90-0	1,2-PROPANEDIAMINE	76.3	☐	☐	☐	8.
	1.000	10.00						

SPECTROSCOPIST _____

DATE _____

(*) RS - REASONABLE IDENTIFICATION, RETENTION TIME COMPATIBILITY
OI - OTHER ISOMER
UK - UNKNOWN: LIBRARY SEARCH RESULT UNREASONABLE OR OF VL LOW PURITY

E

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

SAMPLE NUMBER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CompuChem
Lab Sample ID No: 19366
Sample Matrix: Solid
Data Release Authorized By:

Case Number 2333
QC Report No. 134/342 Blank
Contract No.: 68-01-6762
Date Sample Received:

VOLATILES ✓

CONCENTRATION: (LOW) MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED: 1-25-84
DATE ANALYZED: 1-31-84
PERCENT MOISTURE:
Associated samples 19257, 19264-70

Multiply Detection limits by 1 [X] or [ ]
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or (ug/kg) (circle one)
(2V)	107-02-8	acrolein	50U
(3V)	107-13-1	acrylonitrile	50U
(4V)	71-43-2	benzene	2.5U
(6V)	56-23-5	carbon tetrachloride	2.5U
(7V)	108-90-7	chlorobenzene	2.5U
(10V)	107-06-2	1,2-dichloroethane	2.5U
(11V)	71-55-6	1,1,1-trichloroethane	2.5U
(13V)	75-34-3	1,1-dichloroethane	2.5U
(14V)	79-00-5	1,1,2-trichloroethane	2.5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	2.5U
(16V)	75-00-3	chloroethane	2.5U
(19V)	110-75-8	2-chloroethylvinyl ether	2.5U
(23V)	67-66-3	chloroform	2.5U
(29V)	75-35-4	1,1-dichloroethene	2.5U
(30V)	156-60-5	1,2-trans-dichloroethene	2.5U
(32V)	78-87-5	1,2-dichloropropane	2.5U
(33V)	10061-02-6	trans-1,3-dichloropropene	2.5U
	10061-01-05	cis,1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	2.5U
(44V)	75-09-2	methylene chloride (5)	2.5U RW
(45V)	74-87-3	chloromethane	2.5U
(46V)	74-83-9	bromomethane	2.5U
(47V)	75-25-2	bromoform	2.5U
(48V)	75-27-4	bromodichloromethane	2.5U
(49V)	75-69-4	fluorotrichloromethane	2.5U
(51V)	124-48-1	chlorodibromomethane	2.5U
(85V)	127-18-4	tetrachloroethene	2.5U
(86V)	108-88-3	toluene	2.5U
(87V)	79-01-6	trichloroethene	2.5U
(88V)	75-01-4	vinyl chloride	2.5U
	67-64-1	acetone	50U
	78-93-3	2-butanone	100U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	50U
	108-10-1	4-methyl-2-pentanone	50U
	100-42-5	styrene	2.5U
	108-05-4	vinyl acetate	5U
	95-47-6	o-xylene	2.5U

PESTICIDES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples

Multiply Detection limits by 1 [ ] or [ ]
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordene	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-7	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples:

		ug/g or ug/kg (circle one
(129B) 1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

July, 1983

025832

VOLATILE LOW SOLID
ORGANICS ANALYSIS DATA SHEET - Page 3

Lab Name: Mead CompuChem

Lab Sample I.D. No. 19366 ☐ SS ☐ DS ☒ Blank

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/kg)	(Surrogates only) Spike Added (ug/kg)	(Surrogates only) % Recovery
d8-Toluene	VOA	9.71	10	97
d4-1,2-Dichloroethane	VOA	10.51	10	105
Bromofluorobenzene	VOA	11.83	10	118

025833

COMPUCHEM ORGANICS ANALYSIS DATA SHEET

DATA FILENAME: GH019366A18

LIBRARY SEARCH RESULTS OF EXTRANEOUS PEAKS &
ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: V238

SAMPLE # _____

025334

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ASSESSMENT* RS	OI	UK	ESTIMATED CONC. (UG/KG) OR (UG/L)
1	111	75-31-0	2-PROPANAMINE	81.5	☐	☑	☐	8.
	1.000	10.00						

SPECTROSCOPIST ___2'4___

DATE ___2/14/87___

31

(*) RS - REASONABLE IDENTIFICATION, RETENTION TIME COMPATIBILITY
OI - ISOMER
UK - UNKNOWN: LIBRARY SEARCH RESULT UNREASONABLE OR OF VERY LOW PURITY

ASSIGNED TO RB

No. 1107

DATE 1/25/84

Sample Number	Prep Code	Case No.	QC Sample Type	QC Sample Original	Sample Weight (g) Volume (ml)	Date Comp.	Screens LIQ	Screens S	Screens L	Screens M	Comments
~~19252~~	111	2331									≤ 1/24/84
~~19256~~		2331									≤ 1/24/84
~~19257~~		2331									≤ 1/24/84
						1-25-84					
19258	111	2333	SS	19257	10.20			/			
19259		2333	SS	19257	10.50			/			
19257		2333			10.01			/			
19264		2333			10.33			/			
19265		2333			10.45			/			
19266		2333			10.81			/			
19267		2333			10.00		/				
19268		2333			10.32						
19269		2333			10.60						
19270		2333			10.40						
19320		2234			10.10						
19321		2234	SS	19320	10.40						use 19320 only
19322		2234	SS	19320	10.60						
19365			B								
19366			B								
19367			B								

025835

Surrogate No.
Amount
Lot

Schedule Reference
Manual Counter 184/342

LW1-25

MR 1-26

COMPOUND LIST NO. _____

IDENTIFIER VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE	x	CORRECTION FACTOR	=	RESULTS (ug/kg)	DETECTION LIMIT(ug/kg)	
2.	221	CHLOROMETHANE			*			2.5	
3.	220	BROMOMETHANE						2.5	
4.	231	VINYL CHLORIDE						2.5	
5.	209	CHLOROETHANE.....						2.5	
6.	222	METHYLENE CHLORIDE	(LT)				(LT)	2.5	
7.	252	ACETONE						50	
8.	201	ACROLEIN						50	
9.	202	ACRYLONITRILE						50	
10.	230	TRICHLOROFLUOROMETHANE ...						2.5	
11.	254	CARBON DISULFIDE						5	
12.	216	1,1-DICHLOROETHYLENE						2.5	
13.	214	1,1-DICHLOROETHANE						2.5	
14.	226	TRANS-1,2-DICHLOROETHYLENE						2.5	
15.	211	CHLOROFORM						2.5	
16.	215	1,2-DICHLOROETHANE						2.5	
17.	253	2-BUTANONE						100	
18.	227	1,1,1-TRICHLOROETHANE						2.5	x 1
19.	206	CARBON TETRACHLORIDE						2.5	
21.	257	VINYL ACETATE						5	
22.	212	BROMODICHLOROMETHANE						2.5	
23.	217	1,2-DICHLOROPROPANE						2.5	
24.	250	TRANS-1,3-DICHLOROPROPENE.						2.5	
25.	229	TRICHLOROETHYLENE						2.5	
26.	203	BENZENE						2.5	
27.	228	1,1,2-TRICHLOROETHANE						2.5	
28.	218	CIS-1,3, DICHLOROPROPENE..						5	
29.	208	DIBROMOCHLOROMETHANE						2.5	
30.	210	CHLOROETHYLVINYL ETHER....						2.5	
31.	205	BROMOFORM						2.5	
32.	256	4-METHYL-2-PENTANONE						50	
34.	255	2-HEXANONE						50	
35.	223	1,1,2,2-TETRACHLOROETHANE.						2.5	

PLEASE COMPLETE CORRECTION FACTOR CALCULATIONS ON SECOND SHEET OF THE COMPOUND LIST!!!

025833

COMPOUND LIST NO. _____ COMPUCHEM NO. 19366 DATE _____

IDENTIFIER VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE	x CORRECTION FACTOR	= RESULTS (ug/kg)	DETECTION LIMIT(ug/kg
36.	224	TETRACHLOROETHENE.....		[ ]*		2.5
37.	225	TOLUENE.....				2.5
38.	207	CHLOROBENZENE.....			BDL	2.5 x [1]*
39.	219	ETHYLBENZENE				2.5
40.	251	STYRENE.....				2.5
41.	239	O-XYLENE.....				2.5

COMPOUND NUMBER	SURROGATE COMPOUNDS	QUANT. REPORT VALUE	AMOUNT SPIKED	% † RECOVERY	% RECOVERY WINDOW
258	D_4-1,2,DICHLOROETHANE (SURR)	7.71	10.0	77	(50-150)*
233	D_8-TOLUENE (SURR).....	10.51	10.0	105	(81-120)
247	BROMOFLUOROBENZENE (SURR)..	11.83	10.0	118	(57-137)*

*Advisory Limits

† % Recovery = $\frac{\text{Quant. Report Value}}{\text{Amount Spiked}}$ x 100%

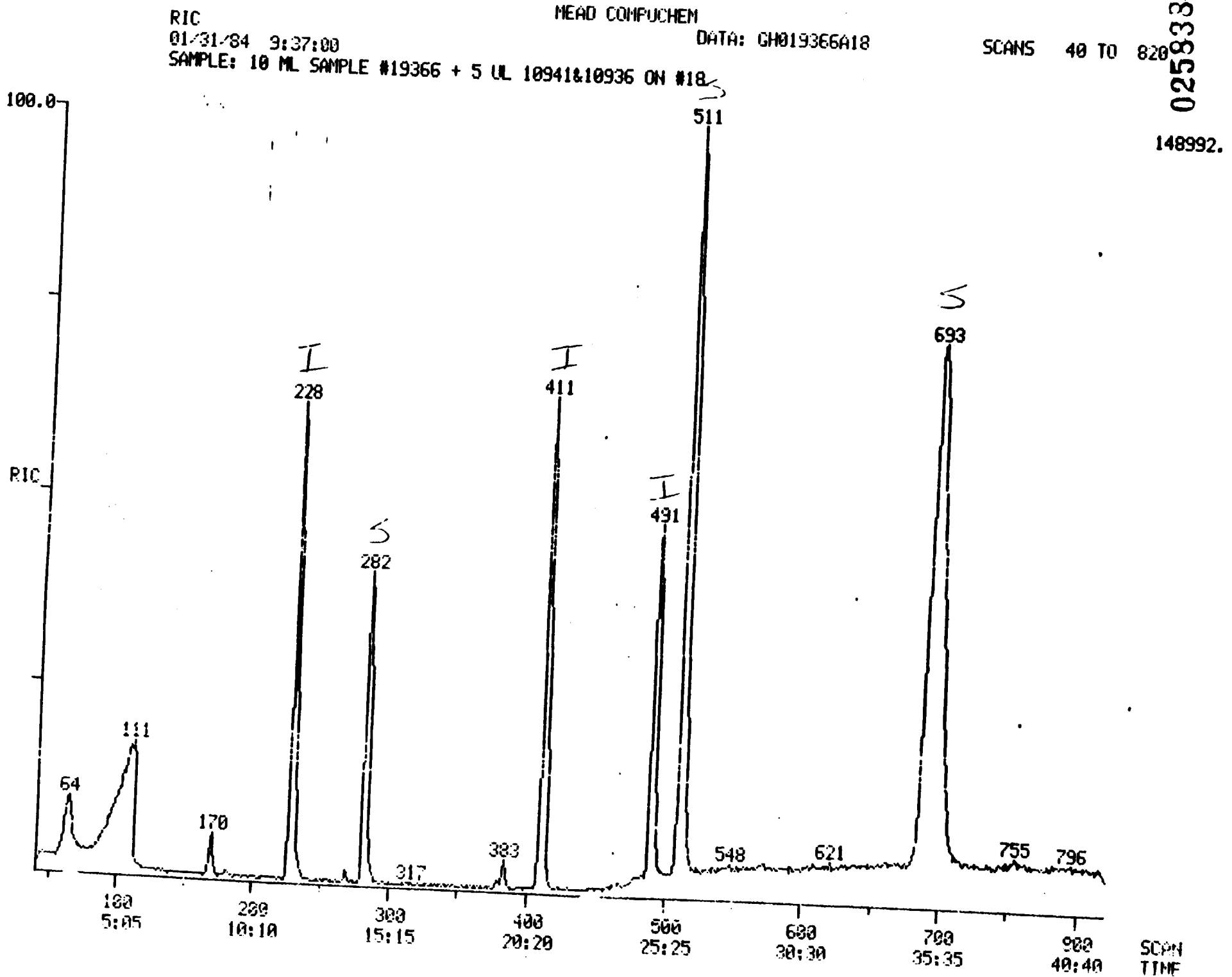
CORRECTION FACTOR CALCULATION: Instrument Code 238

$\frac{10\ g}{\text{Wet Wt. of sample used}}$ x Dilution Factor x Dry Weight Factor =

$\frac{10\ g}{g}$ x _____ x _____ = [1]* water

JRT 11/83

025937


RIC
01/31/84 9:37:00
SAMPLE: 10 ML SAMPLE #19366 + 5 UL 10941&10936 ON #18
MEAD COMPUCHEM
DATA: GH019366A18
SCANS 40 TO 820
025833
148992.
100.0
RIC
I 228
S 282
I 411
I 491
S 511
S 693
64
111
170
317
383
548
621
755
796
100 5:05
200 10:10
300 15:15
400 20:20
500 25:25
600 30:30
700 35:35
900 40:40
SCAN TIME

PROCEDURE: RK DIAGNOSTIC REPORT 1/31/84 10:26:05
DATA FILE: GH019366A18
REFERENCE: V238
METHOD: V238 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: V238S1

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	2	1	0	44	6	1	72	V238S1/V238U1

44 COMPOUNDS PROCESSED. 5 FOUND

COMPOUND			SEARCH					SAT	CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT PEAKS	M/E	TOP	DELTA	PEAKS
1	P5	1	-230	230					130	228		1
2	P6	1	-411	411	411		1	766	79	411		1
3	P7	1	-491	491	491		1	995	55	491		1
4	P5	2	-54	53					50			
5	P5	3	-87	86					94			
6	P5	4	-106	105					62			
7	P5	5	-130	129					64			
8	P5	6	-172	171					84	169		1
9	P5	7	-182	181					58			
10	P5	8	-182	181					56			
11	P5	9	-195	194					53			
12	P5	10	-211	210					101			
13	P5	11	-202	201					76			
14	P5	12	-223	222					96			
15	P5	13	-247	246					65			
16	P5	14	-261	260					96			
1	P5	15	-270	269					83	269		1
18	P5	16	-285	284					62			
19	P5	17	-284	283					72	283		1
20	P5	18	-313	313					97			
21	P5	19	-320	320					117			
22	P6	2	-321	321					43			
23	P6	3	-327	327					127			
24	P6	4	-356	356					65			
25	P6	5	-360	360					75			
26	P6	6	-371	371					130			
27	P6	7	-384	384					78			
28	P6	8	-385	385					97			
29	P6	9	-386	386					75			
30	P6	10	-382	382					127			
31	P6	11	-407	407					63			
32	P6	12	-436	436					173			
33	P6	13	-448	448					58			
34	P7	2	-479	479					58			
35	P7	3	-483	483					83			
36	P7	4	-484	484					164			
37	P7	5	-516	516					92			
38	P7	6	-546	546					112			
39	P7	7	-608	608					106			
40	P7	8	-748	749					104			
41	P7	9	-791	792					106			
42	P8	2	-283	282	282		1	990	65	282		1
43	P8	3	-512	512	511	-1	1	977	100	511		1
44	P8	4	-691	691	692	1	1	994	176	691	-1	1

025833

QUANTITATION REPORT FILE: GH019366A18

DATA: GH019366A18.TI
01/31/84 9:37:00
SAMPLE: 10 ML SAMPLE #19366 + 5 UL. 10941&10936 ON #18
SUBMITTED BY: #18 ANALYST: 633

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	201 ACROLEIN
9	202 ACRYLONITRILE
10	230 TRICHLOROFLUOROMETHANE
11	254 CARBON DISULFIDE
12	216 1,1-DICHLOROETHYLENE
13	214 1,1-DICHLOROETHANE
14	226 TRANS-1,2-DICHLOROETHYLENE
15	211 CHLOROFORM
16	215 1,2-DICHLOROETHANE
17	253 2-BUTANONE
18	227 1,1,1-TRICHLOROETHANE
19	206 CARBON TETRACHLORIDE
	* 2-BROMO-1-CHLOROPROPANE
21	257 VINYL ACETATE
22	212 BROMODICHLOROMETHANE
23	217 1,2-DICHLOROPROPANE
24	250 TRANS-1,3-DICHLOROPROPENE
25	229 TRICHLOROETHYLENE
26	203 BENZENE
27	228 1,1,2-TRICHLOROETHANE
28	218 CIS-1,3-DICHLOROPROPENE
29	208 DIBROMOCHLOROMETHANE
30	210 2-CHLOROETHYL VINYL ETHER
31	205 BROMOFORM
32	256 4-METHYL-2-PENTANONE
33	* DICHLOROBUTANE
34	255 2-HEXANONE
35	223 1,1,2,2-TETRACHLOROETHANE
36	224 TETRACHLOROETHENE
37	225 TOLUENE
38	207 CHLOROBENZENE
39	219 ETHYLBENZENE
40	251 STYRENE
41	239 O-XYLENE
42	# D4-1,2-DICHLOROETHANE
43	# D8-TOLUENE
44	# BROMOFLUOROBENZENE

P	M/E	SCAN	TIME.	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT

025840

003449

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	130	228	11:35	1	1.000	A BV	83997.	10.000 UG/KG	15.56
2	NOT FOUND								
3	NOT FOUND								
	NOT FOUND								
5	NOT FOUND								
6	84	169	8:35	1	0.741	A BB	8610.	1.340 UG/KG	2.09
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	83	269	13:40	1	1.180	A BB	2892.	0.223 UG/KG	0.35
16	NOT FOUND								
17	72	283	14:23	1	1.241	A BB	2587.	2.646 UG/KG	4.12
18	NOT FOUND								
19	NOT FOUND								
20	79	411	20:54	20	1.000	A BB	35990.	10.000 UG/KG	15.56
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	55	491	24:58	33	1.000	A BB	85956.	10.000 UG/KG	15.56
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	65	282	14:20	1	1.237	A BV	72905.	7.711 UG/KG	12.00
43	100	511	25:59	1	2.241	A BB	150208.	10.508 UG/KG	16.36
44	176	691	35:08	1	3.031	A BB	184545.	11.829 UG/KG	18.41

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	11:41	0.99	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	2:45		0.235			40.00		0.497	
3	4:25		0.378			40.00		1.831	
4	5:23		0.461			40.00		1.875	
5	6:36		0.565			40.00		0.379	
6	8:45	0.98	0.748	0.99	1.34	40.00	0.026	0.765	0.03
7	9:15		0.791			299.99		0.076	
8	9:15		0.791			399.99		0.091	
9	9:55		0.848			399.99		0.210	
10	10:44		0.917			40.00		1.531	

025341

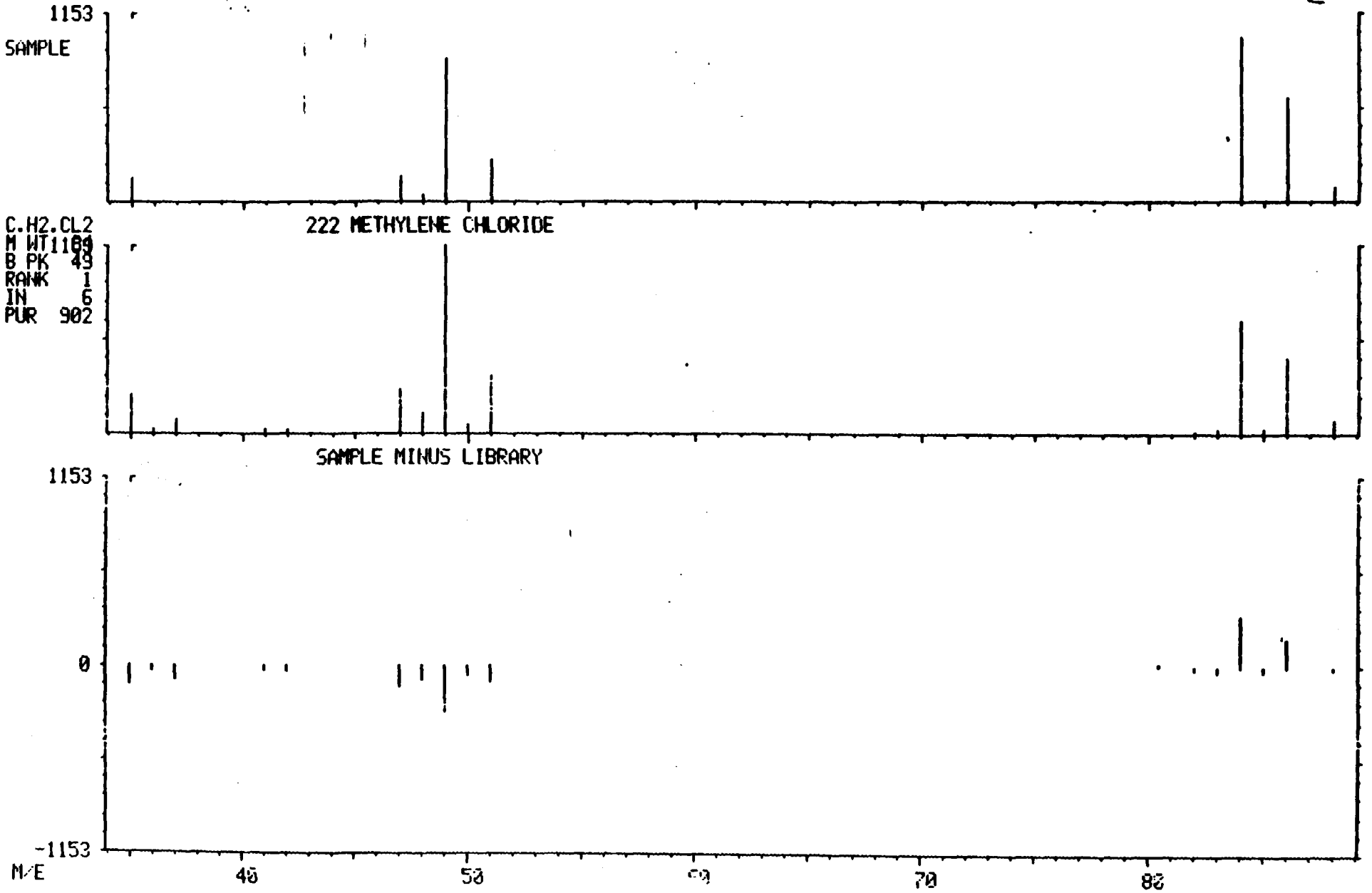
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
11	10:16		0.878			40.00		3.213	
12	11:20		0.970			40.00		0.741	
13	12:33		1.074			40.00		0.337	
14	13:16		1.135			40.00		0.804	
15	13:43	1.00	1.174	1.01	0.22	40.00	0.009	1.547	0.01
16	14:29		1.239			40.00		1.010	
17	14:26	1.00	1.235	1.01	2.65	299.99	0.001	0.116	0.01
18	15:55		1.361			40.00		1.187	
19	16:16		1.391			40.00		1.326	
20	20:54	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
21	16:19		1.396			40.00		1.273	
22	16:37		1.422			40.00		0.172	
23	18:06		1.548			40.00		0.226	
24	18:18		1.565			40.00		1.404	
25	18:52		1.613			40.00		1.158	
26	19:31		1.670			40.00		2.179	
27	19:34		1.674			40.00		0.937	
28	19:37		1.678			40.00		0.725	
29	19:25		1.661			40.00		1.372	
30	20:41		1.770			40.00		0.362	
31	22:10		1.896			40.00		1.481	
32	22:46		1.948			60.00		0.326	
33	24:58	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
34	24:21		2.083			60.00		0.270	
35	24:33		2.100			40.00		1.679	
36	24:36		2.104			40.00		1.139	
37	26:14		2.243			40.00		1.504	
38	27:45		2.374			40.00		2.137	
3	30:54		2.643			40.00		1.032	
40	38:01		3.252			40.00		2.361	
41	40:13		3.439			40.00		1.465	
42	14:23	1.00	1.230	1.01	7.71	10.00	0.868	1.126	0.77
43	26:02	1.00	2.226	1.01	10.51	10.00	1.788	1.702	1.05
44	35:08	1.00	3.004	1.01	11.83	10.00	2.197	1.857	1.18

MEAD COMPUCHEM

LIBRARY SEARCH
01/31/84 9:37:00 + 8:35
SAMPLE: 10 ML SAMPLE #19366 + 5 UL 10941&10936 ON #18
ENHANCED (S 15B 2N 0T)

DATA: GH019366A18 # 169
BASE M/E: 84
RIC: 6759.

0025343



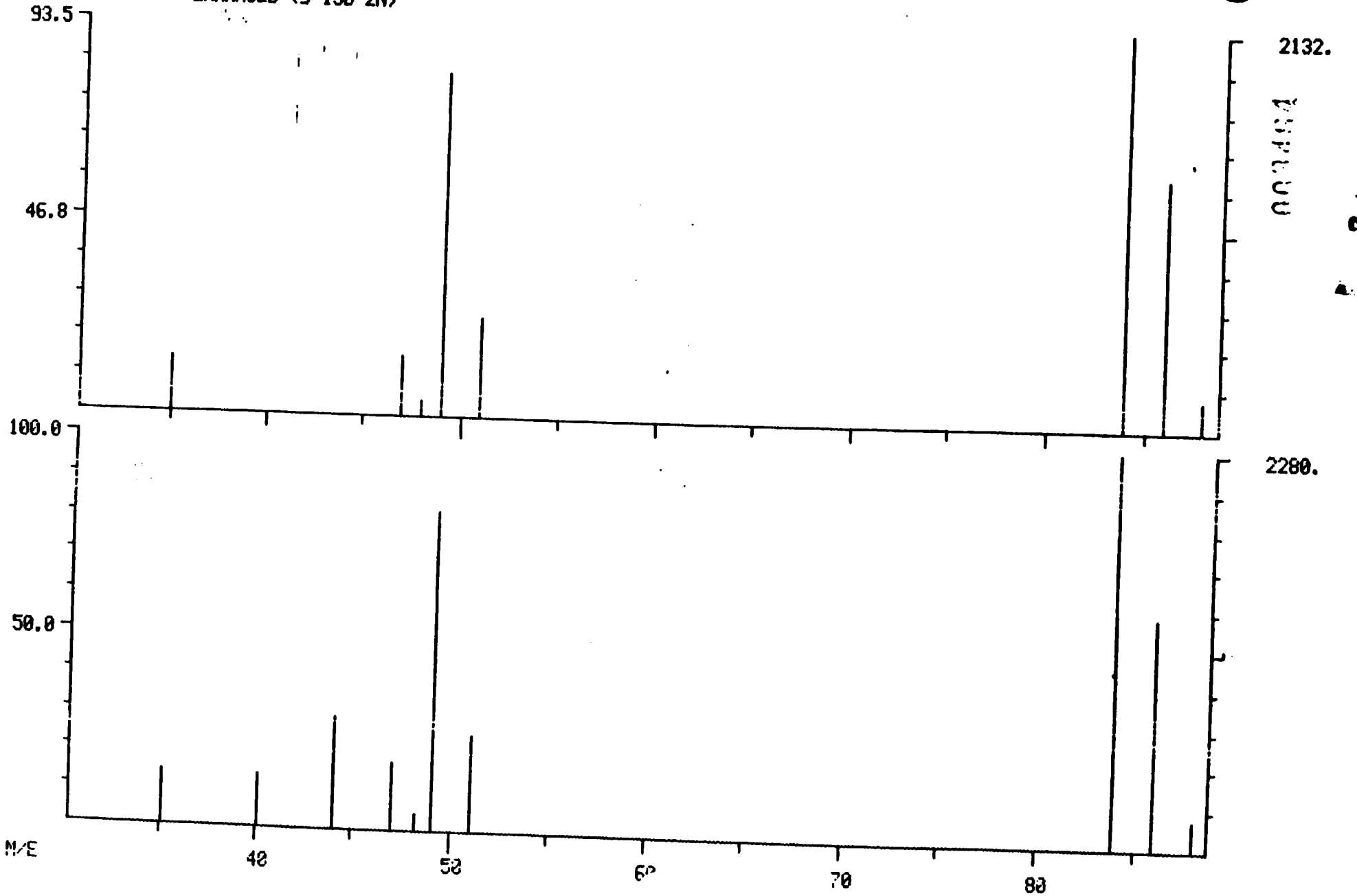
31

MEAD COMPUCHEM

DUAL MASS SPECTRUM
01/31/84 9:37:00 + 8:35
SAMPLE: 10 ML SAMPLE #19366 + 5 UL 10941&10936 ON #18
ENHANCED (S 15B 2N)

DATA: GH019366A18 #169 BASE M/E: 84/84
RIC: 6759./ 8007.

025944



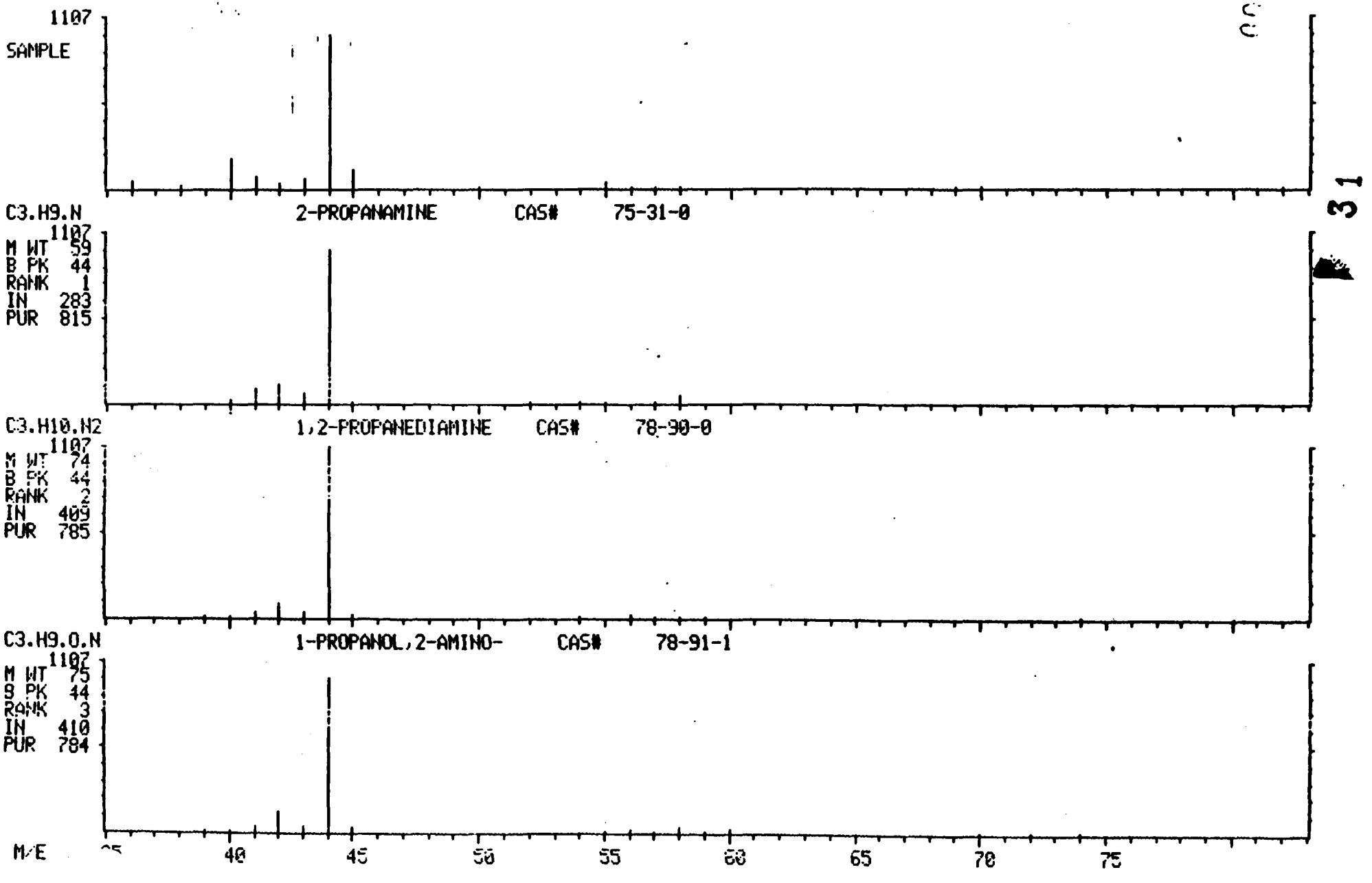
31

MEAD COMPUCHEM

LIBRARY SEARCH DATA: GH019366A18 # 111 BASE M/E: 44
01/31/84 9:37:00 + 5:39 RIC: 14703.
SAMPLE: 10 ML SAMPLE #19366 + 5 UL 10941&10936 ON #18
ENHANCED (S 15B 2N 0T)

025845

31



F

025843

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Mead CompuChem
Lab Sample ID No.: 19317
Sample Matrix: Solid
Date Release Authorized By:

Case Number: 2333
QC Report No.: 136/338 Round
Contract No.: 68-01-6762
Date Sample Received:

Associated samples: 19264-69
19257

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 1-25-84
DATE ANALYZED: 1-31-84
PERCENT MOISTURE:

Multiply Detection limits by 1 ☐ or 10 ☐ or ☒ 40
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or (ug/kg) (circle one)
(21A)	88-06-2	2,4,6-trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	10U
(31A)	120-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-28-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-86-5	pentachlorophenol	20U
(65A)	108-95-2	phenol	10U
	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	10U
	95-95-4	2,4,5-trichlorophenol	100U
(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	10U
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	111-91-1	bis-(2-chloroethoxy)methane	20U

PP#	CAS#		ug/l or (ug/kg) (circle one)
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	218-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	191-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U
	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

02564

SEMI-VOLATILE LOW SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Lab Name: Mead CompuChem

Lab Sample I.D. No. 19317 ☐ SS ☐ DS ☒ Blank

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/kg)	(Surrogates only) Spike Added (ug/kg)	(Surrogates only) % Recovery
2-Fluorophenol	SEMIVOA	5000	5000	100
2,4,6-Tribromophenol	SEMIVOA	4400	5000	88
D-Phenol	SEMIVOA	3500	5000	70
D5-Nitrobenzene	SEMIVOA	2300	5000	46
D_{14} P-Terphenyl	SEMIVOA	2850	5000	57
2-Fluorobiphenyl	SEMIVOA	2250	5000	45

025843

DATA FILENAME: GH019317C15

COMPUCHEM ORGANICS ANALYSIS DATA SHEET
LIBRARY SEARCH RESULTS OF EXTRANEOUS PEAKS &
ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: FSCC7

SAMPLE # _____ 25543

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ASSESSMENT* RS	OI	UK	ESTIMATED CONC. (UG/KG) OR (UG/L)
1	553	17574-84-4	1-PROPENE,1-METHOXY-2-METHYL-	56.4	☐	☐	☒	31.
~~2~~	~~750~~	~~675-20-7~~	~~2-PIPERIDINONE~~	~~80.7~~	☐	☐	☐	~~110.~~

2.000 40.00

SPECTROSCOPIST _____

DATE 1/31

31

(*) RS - REASONABLE IDENTIFICATION, RETENTION TIME COMPATIBILITY
OI - OP SOMER
UK - UI JUN: LIBRARY SEARCH RESULT UNREASONABLE OR OF VER LOW PURITY

EXTRACTION WORKSHEET

Semi-Volatiles/Miscellaneous

DATE ASSIGNED 9-25-84

ASSIGNED TO: Ed

PAGE 2 OF 3

SAMPLE NUMBER	PREP CODE	CASE #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) B/N	ACID	PEST	TCDD	ADJUSTED PH B/N	A	DATE COMPT	COMMENTS
19260 / 19262	128 / 112	2333	SS	19269	50.18	.5	1	5	5	13	1	1/25/84	
19261 / 19263	128 / 112	2333	SS	19269	50.24	.5	1	5	5	13	1	1	
19257	128	2333			50.50	.5	1	5	5	13	1	1	
19264	128	2333			25.04	.5	1	5	5	13	1	1	Low Sample Volume
19265	128	2333			50.59	.5	1	5	5	13	1	1	
19266	128	2333			50.42	.5	1	5	5	13	1	1	
19267	128	2333			50.00ml	.5	1	5	5	13	1	1	
19268	128	2333			50.35	.5	1	5	5	13	1	1	
19269	128	2333			50.08	.5	1	5	5	13	1	1	
19317			B		50.00ml	.5	1	5	5	13	1	1	

		S-Vol	Acid	B/N	Pest.	TCDD	Other
SURROGATE	NO.	382			368	364	
	AMT.	250µl			250µl	200µl	
	LOT	10831			10802	10903	
SPIKE	NO.		3008	2018	4019		
	AMT.		1ml	1ml	1ml		
	LOT		10873	10870	10898		
INTERNAL STANDARD	NO.						
	AMT.						
	LOT						

MANUAL COUNTER 136/338

№ 3140

1113
1-26

(1)

COMPOUND LIST NO. _____

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE	x	CORRECTION FACTOR	x	RESULTS (ug/kg)	DET. LIMIT (ug/kg)
2	441	N-NITROSODIMETHYLAMINE						10
3	610	PHENOL						10
4	473	ANILINE						10
5	411	BIS(2-CHLOROETHYL)ETHER						10
6	601	2-CHLOROPHENOL						10
7	421	1,3-DICHLOROBENZENE						10
8	422	1,4-DICHLOROBENZENE						10
9	474	BENZYL ALCOHOL						20
10	420	1,2-DICHLOROBENZENE.....						10
11	620	2-METHYLPHENOL						10
12	412	BIS(2-CHLOROISOPROPYL)ETHER						20
13	622	4-METHYLPHENOL						10
14	442	N-NITROSO-DI-N-PROPYLAMINE .						20
15	436	HEXACHLOROETHANE						10
16	440	NITROBENZENE						10
18	438	ISOPHORONE						10
19	606	2-NITROPHENOL						20
20	603	2,4-DIMETHYLPHENOL						10
21	410	BIS(2-CHLOROETHOXY)METHANE .						20
22	625	BENZOIC ACID						100
23	602	2,4-DICHLOROPHENOL						10
24	446	1,2,4-TRICHLOROBENZENE						10
25	439	NAPHTHALENE						10
26	475	4-CHLOROANILINE						50
27	434	HEXACHLOROBUTADIENE						10
28	608	P-CHLORO-M-CRESOL						20
29	477	2-METHYLNAPTHALENE						20
30	435	HEXACHLOROCYCLOPENTADIENE ..						10
31	611	2,4,6-TRICHLOROPHENOL.....						10
32	626	2,4,5-TRICHLOROPHENOL						100
34	416	2-CHLORONAPHTHALENE						10
35	479	3-NITROANILINE						100
36	425	DIMETHYLPHTHALATE						10
37	402	ACENAPHTHYLENE						10
38	428	2,6-DINITROTOLUENE						20

PLEASE COMPLETE CORRECTION FACTOR CALCULATIONS ON THIRD SHEET OF THE COMPOUND LIST!!!

COMPOUND LIST NO. _____

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE x	CORRECTION FACTOR x	= RESULTS (ug/kg)	DET LIMI (ug/kg)
39	478	2-NITROANILINE		*		100
40	401	ACENAPHTHENE				10
41	605	2,4-DINITROPHENOL				50
42	607	4-NITROPHENOL				100
43	476	DIBENZOFURAN				10
44	427	2,4-DINITROTOLUENE.....				20
45	424	DIETHYLPHTHALATE				10
46	417	4-CHLOROPHENYL PHENYL ETHER.....				10
47	432	FLUORENE				10
48	480	4-NITROANILINE				100
49	604	4,6-DINITRO-O-CRESOL				20
50	443	DIPHENYLAMINE (N-NITROSO)				10
51	430	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)				20
53	414	4-BROMOPHENYL PHENYL ETHER				10
54	433	HEXACHLOROBENZENE				10
55	609	PENTACHLOROPHENOL				20
56	444	PHENANTHRENE				10 } x
57	403	ANTHRACENE				10
58	426	DI-N-BUTYLPHTHALATE				10
59	431	FLUORANTHENE				10
61	445	PYRENE				10
62	404	BENZIDINE				40
63	415	BUTYLBENZYLPHTHALATE				10
64	423	3,3'-DICHLOROBENZIDINE				20
65	405	BENZO(A)ANTHRACENE				10
66	413	BIS(2-ETHYLHEXYL)PHTHALATE.....				10
67	418	CHRYSENE				10
68	429	DI-N-OCTYLPHTHALATE				10
70	407	BENZO(B)FLUORANTHENE				20
71	409	BENZO(K)FLUORANTHENE.....				20
72	406	BENZO(A)PYRENE				20
73	437	INDENO(1,2,3-C,D)PYRENE				20
74	419	DIBENZO(A,H)ANTHRACENE				20
75	408	BENZO(G,H,I)PERYLENE				20

025852

(See calculations and surrogates on back)

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2-1-91

COMPOUND LIST NO. _____ COMPUCHEM NO. 19317 DATE _____ 3 o

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COMPOUND NUMBER	SURROGATE COMPOUNDS	QUANT. REPORT VALUE	QUANT. REPORT AMOUNT SPIKED	x	% †† RECOVERY	ACCEPTABLE RANGE
619	2-FLUOROPHENOL	126	125 ÷ [1] †		100	(26-116)
612	D_5-PHENOL	88	125 ÷		70	(10-104)
447	D_5-NITROBENZENE	58	125 ÷		46	(19-115)
448	2-FLUOROBIPHENYL	56	125 ÷		45	(17-125)
628	TRIBROMOPHENOL	110	125 ÷		88	(32-124)*
471	D_{10}-PYRENE	80	125 ÷		64	(NA)
496	D_{14}-TERPHENYL	71	125 ÷		57	(34-126)*

†† % Recovery = $\frac{\text{Quant. Report Value}}{\text{Quant. Report Amount Spiked}} \times 100\%$

CORRECTION FACTOR CALCULATION:

$$\frac{\text{Final extraction volume(ml)}}{\text{1ml for Acid, 0.5ml for BN}} \times \frac{50\text{ g}}{\text{Wet Weight Extracted (g)}} \times \text{Dilution Factor} \times \text{Dry Weight Factor} \times 40 =$$

$$\frac{140.5\text{ (ml)}}{\text{1.0 and 0.5 ml}} \times \frac{50\text{ g}}{50\text{ (g)}} \times \frac{1}{\quad} \times \frac{1}{\quad} \times 40 = \boxed{40}\ *$$

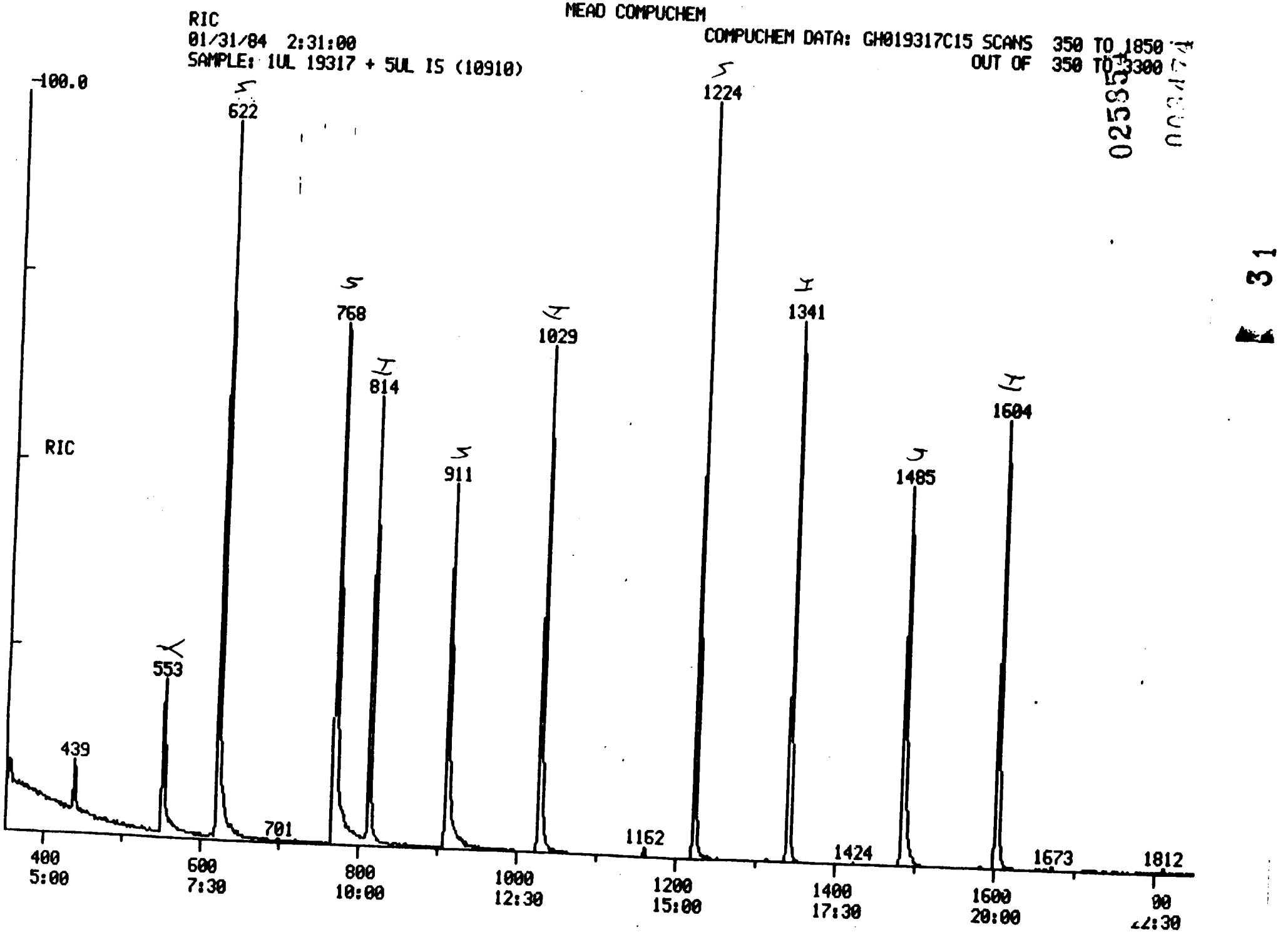
QUANT. REPORT AMOUNT SPIKED CONVERSION FACTOR:

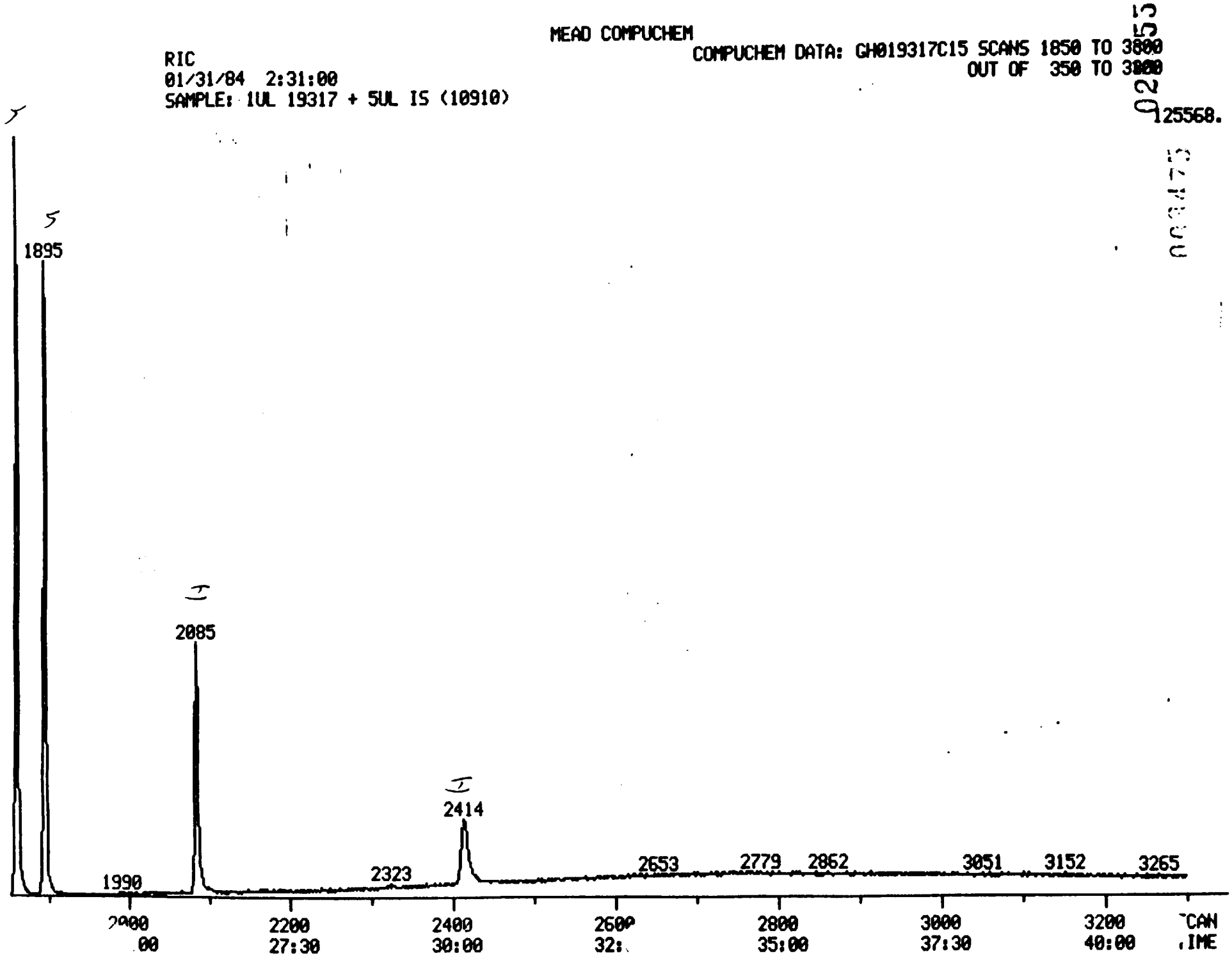
$$\frac{250\text{ ul}}{\text{Amount Surrogate Added (ul)}} \times \frac{\text{Final Extract Vol. (ml)}}{\text{1ml for Acid, 0.5ml for BN}} \times \text{Dilution Factor} =$$

$$\frac{250\text{ ul}}{250\text{ (ul)}} \times \frac{1405\text{ (ml)}}{\text{1.0 and 0.5ml}} \times \frac{1}{\quad} = \boxed{\quad}\ †$$

*For Advisory Purposes Only

JRT 12/83


MEAD COMPUCHEM
RIC
01/31/84 2:31:00
SAMPLE: 1UL 19317 + 5UL IS (10910)
COMPUCHEM DATA: GH019317C15 SCANS 350 TO 1850
OUT OF 350 TO 3300
100.0
RIC
622
768
814
911
1029
1224
1341
1485
1604
553
439
701
1162
1424
1673
1812
400 5:00
600 7:30
800 10:00
1000 12:30
1200 15:00
1400 17:30
1600 20:00
00 22:30


MEAD COMPUCHEM
COMPUCHEM DATA: GH019317C15 SCANS 1850 TO 3800
OUT OF 350 TO 3800
RIC
01/31/84 2:31:00
SAMPLE: 1UL 19317 + 5UL IS (10910)
125568.
1895
2085
2414
1990
2323
2653
2779
2862
3051
3152
3265
2000
00
2200
27:30
2400
30:00
2600
32:
2800
35:00
3000
37:30
3200
40:00
SCAN
TIME

PROCEDURE: RK
DATA FILE: GH019317C15 DIAGNOSTIC REPORT 1/31/84 3:38:15
REFERENCE: FSCC7
METHOD: FSCC7 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: FSCC7S1

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
6	5	1	243	34	5	1	243	FSCC7S1/FSCC7U1
6	6	1	211	34	11	1	162	FSCC7S2/FSCC7U2

82 COMPOUNDS PROCESSED, 10 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SAT SEL	SAT DELTA	SAT PEAKS	SAT FIT PEAKS	CHRO M/E	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	C1	1	-813	812	814	2	1	994	150	813	-1	1
2	C2	1	-1028	1028	1029	1	1	990	136	1029	.	1
3	C3	1	-1341	1343	1341	-2	1	998	164	1341	.	1
4	C4	1	-1603	1606	1604	-2	1	991	188	1604	.	1
5	C5	1	-2077	2083	2085	2	1	821	240	2084	-1	1
6	C6	1	-2397	2404	.	.	.	.	264	.	.	.
7	C1	2	-399	396	.	.	.	.	74	.	.	.
8	C1	3	-770	769	.	.	.	.	94	770	.	1
9	C1	4	-770	769	.	.	.	.	93	.	.	.
10	C1	5	-781	780	.	.	.	.	93	.	.	.
11	C1	6	-785	784	.	.	.	.	128	.	.	.
12	C1	7	-807	806	.	.	.	.	146	.	.	.
13	C1	8	-816	815	.	.	.	.	146	.	.	.
14	C1	9	-843	843	.	.	.	.	108	.	.	.
15	C1	10	-846	846	.	.	.	.	146	.	.	.
16	C1	11	-865	865	.	.	.	.	108	.	.	.
17	C1	12	-869	869	.	.	.	.	121	.	.	.
18	C1	13	-889	889	.	.	.	.	108	.	.	.
19	C1	14	-892	892	.	.	.	.	130	.	.	.
20	C1	15	-896	896	.	.	.	.	117	.	.	.
21	C1	16	-913	913	.	.	.	.	123	.	.	.
22	C2	2	-954	954	.	.	.	.	82	951	.	3
23	C2	3	-968	968	.	.	.	.	139	.	.	.
24	C2	4	-978	978	.	.	.	.	122	.	.	.
25	C2	5	-995	995	.	.	.	.	93	.	.	.
26	C2	6	-1014	1014	.	.	.	.	105	.	.	.
27	C2	7	-1008	1008	.	.	.	.	162	.	.	.
28	C2	8	-1022	1022	.	.	.	.	180	.	.	.
29	C2	9	-1032	1032	.	.	.	.	128	.	.	.
30	C2	10	-1053	1054	.	.	.	.	127	.	.	.
31	C2	11	-1065	1066	.	.	.	.	225	.	.	.
32	C2	12	-1134	1135	.	.	.	.	107	.	.	.
33	C2	13	-1153	1154	.	.	.	.	115	.	.	.
34	C2	14	-1194	1195	.	.	.	.	237	.	.	.
35	C2	15	-1209	1210	.	.	.	.	196	.	.	.
36	C2	16	-1216	1217	.	.	.	.	196	.	.	.
37	C3	2	-1238	1240	.	.	.	.	162	.	.	.
38	C3	3	-1267	1269	.	.	.	.	138	.	.	.
39	C3	4	-1305	1307	.	.	.	.	163	.	.	.
40	C3	5	-1313	1315	.	.	.	.	152	.	.	.
41	C3	6	-1317	1319	.	.	.	.	165	.	.	.
42	C3	7	-1339	1341	.	.	.	.	138	.	.	.
43	C3	8	-1346	1348	.	.	.	.	154	.	.	.
44	C3	9	-1359	1361	.	.	.	.	184	.	.	.
45	C3	10	-1378	1380	.	.	.	.	109	.	.	.
46	C3	11	-1375	1377	.	.	.	.	168	.	.	.
47	C3	12	-1386	1388	.	.	.	.	165	.	.	.
48	C3	13	-1431	1433	.	.	.	.	149	.	.	.
49	C3	14	-1438	1441	.	.	.	.	204	.	.	.

51	C3	16	-1467	1470					138				
52	C3	17	-1457	1460					198				
53	C3	18	-1462	1465					169				
54	C3	19	-1466	1469					77				
55	C4	2	-1525	1528					248				
56	C4	3	-1549	1552					284				
	C4	4	-1583	1586					266				
58	C4	5	-1608	1611					178	1608			1
59	C4	6	-1615	1618					178				
60	C4	7	-1721	1725					149	1723			1
61	C4	8	-1819	1823					202	1823			1
62	C5	2	-1858	1862					202	1862			1
63	C5	3							184				
64	C5	4	-1985	1990					149				
65	C5	5							252				
66	C5	6	-2074	2079					228				
67	C5	7	-2096	2101					149	2103			2
68	C5	8	-2081	2086					228				
69	C5	9	-2230	2236					149				
70	C6	2	-2311	2317					252				
71	C6	3	-2318	2324					252				
72	C6	4	-2405	2412					252				
73	C6	5	-2858	2867					276				
74	C6	6	-2877	2886					278				
75	C6	7	-2991	3000					276				
76	C7	2	-621	620	622	2	1	995	112	621	-1		1
77	C7	3	-768	768					99	768			1
78	C7	4	-911	911	911		1	991	82	911			1
79	C7	5	-1223	1225	1224	-1	1	992	172	1224			1
80	C7	6	-1483	1486	1485	-1	1	989	330	1484	-1		1
81	C7	7	-1855	1859					212	1860			1
82	C7	8	-1890	1895	1895		1	994	244	1895			1

025357
003477

QUANTITATION REPORT FILE: GH019317C15

DATA: GH019317C15.TI
01/31/84 2:31:00
SAMPLE: 1UL 19317 + 5UL IS (10910)
[MITTED BY: 15 ANALYST: 754

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	*D4-1,4-DICHLOROBENZENE (IS)
2	441 N-NITROSODIMETHYAMINE
3	610 PHENOL
4	473 ANILINE
5	411 BIS(2-CHLOROETHYL)ETHER
6	601 2-CHLOROPHENOL
7	421 1,3-DICHLOROBENZENE
8	422 1,4-DICHLOROBENZENE
9	474 BENZYL ALCOHOL
10	420 1,2-DICHLOROBENZENE
11	620 2-METHYLPHENYL
12	412 BIS(2-CHLOROISOPROPYL)ETHER
13	622 4-METHYLPHENOL
14	442 N-NITROSO-DI-N-PROPYLAMINE
15	436 HEXACHLOROETHANE
16	440 NITROBENZENE
17	*460 D8-NAPHTHALENE (IS)
18	438 ISOPHRONE
19	606 2-NITROPHENOL
20	603 2,4-DIMETHYLPHENOL
.	410 BIS(2-CHLOROETHOXY)METHANE
22	625 BENZOIC ACID
23	602 2,4-DICHLOROPHENOL
24	446 1,2,4-TRICHLOROBENZENE
25	439 NAPHTHALENE
26	475 4-CHLOROANILINE
27	434 HEXACHLOROBUTADIENE
28	608 P-CHLORO-M-CRESOL
29	477 2-METHYLNAPHTHALENE
30	435 HEXACHLOROCYCLOPENTADIENE
31	611 2,4,6-TRICHLOROPHENOL
32	626 2,4,5-TRICHLOROPHENOL
33	*D10-ACENAPHTHENE (IS)
34	416 2-CHLORONAPHTHALENE
35	479 3-NITROANILINE
36	425 DIMETHYLPHTHALATE
37	402 ACENAPHTHYLENE
38	428 2,6-DINITROTOLUENE
39	478 2-NITROANILINE
40	401 ACENAPHTHENE
41	605 2,4-DINITROPHENOL
42	607 4-NITROPHENOL
43	476 DIBENZOFURAN
44	427 2,4-DINITROTOLUENE
45	424 DIETHYLPHTHALATE
46	417 4-CHLOROPHENYL PHENYL ETHER

025853

NO	NAME
47	432 FLUORENE
48	480 4-NITROANILINE
[illegible]	604 4,6-DINITRO-O-CRESOL
	443 DIPHENYLAMINE (N-NITROSO)
51	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE)
52	*467 D10-PHENANTHRENE (IS)
53	414 4-BROMOPHENYL PHENYL ETHER
54	433 HEXACHLOROBENZENE
55	609 PENTACHLOROPHENOL
56	444 PHENANTHRENE
57	403 ANTHRACENE
58	426 DI-N-BUTYLPHTHALATE
59	431 FLUORANTHENE
60	*459 D12-CHRYSENE (IS)
61	445 PYRENE
62	404 BENZIDENE
63	415 BUTYLBENZYLPHTHALATE
64	423 3,3'-DICHLOROBENZIDINE
65	405 BENZO(A)ANTHRACENE
66	413 BIS(2-ETHYLHEXYL)PHTHALATE
67	418 CHRYSENE
68	429 DI-N-OCTYLPHTHALATE
69	*D12-BENZO(A)PYRENE (IS)
70	407 BENZO(B)FLUORANTHENE
71	409 BENZO(K)FLUORANTHENE
72	406 BENZO(A)PYRENE
73	437 INDENO(1,2,3-C,D)PYRENE
74	419 DIBENZO(A,H)ANTHRACENE
[illegible]	408 BENZO(G,H,I)PERYLENE
[illegible]	619 2-FLUOROPHENOL (SURROGATE)
77	D5-PHENOL (SURROGATE)
78	447 D5-NITROBENZENE (SURROGATE)
79	448 2-FLUOROBIPHENYL (SURROGATE)
80	TRIBROMOPHENOL (SURROGATE)
81	D10-PYRENE (SURROGATE)
82	D14-TERPHENYL (SURROGATE)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	150	813	10:10	1	1.000	A BV	49409.	40.000	NG	3.47
2	NOT FOUND									
3	94	770	9:37	1	0.947	A BB	485.	0.385	NG	0.03
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	NOT FOUND									
9	NOT FOUND									
10	NOT FOUND									
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	NOT FOUND									
16	NOT FOUND									
[illegible]	136	1029	12:52	17	1.000	A BV	111249.	40.000	NG	3.47
[illegible]	82	951	11:53	17	0.924	A*VV	1712.	0.786	NG	

025953

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
2	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	NOT FOUND									
27	NOT FOUND									
28	NOT FOUND									
29	NOT FOUND									
30	NOT FOUND									
31	NOT FOUND									
32	NOT FOUND									
33	164	1341	16:46	33	1.000	A BV	59209.	40.000	NG	3.47
34	NOT FOUND									
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	NOT FOUND									
39	NOT FOUND									
40	NOT FOUND									
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	NOT FOUND									
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
3	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									
51	NOT FOUND									
52	188	1604	20:03	52	1.000	A BV	99464.	40.000	NG	3.47
53	NOT FOUND									
54	NOT FOUND									
55	NOT FOUND									
56	178	1608	20:06	52	1.002	A BB	346.	0.131	NG	0.01
57	NOT FOUND									
58	149	1723	21:32	52	1.074	A BB	672.	0.183	NG	0.02
59	202	1823	22:47	52	1.137	A BB	716.	0.268	NG	0.02
60	240	2084	26:03	60	1.000	A BV	59187.	40.000	NG	3.47
61	202	1862	23:16	60	0.893	A BB	878.	0.371	NG	0.03
62	NOT FOUND									
63	NOT FOUND									
64	NOT FOUND									
65	NOT FOUND									
66	149	2103	26:17	60	1.009	A*BB	825.	0.475	NG	0.04
67	NOT FOUND									
68	NOT FOUND									
69	NOT FOUND	2414					57200			
70	NOT FOUND									
71	NOT FOUND									
72	NOT FOUND									
73	NOT FOUND									
	NOT FOUND									

025860

NO	M/E NOT FOUND	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
75										
76	112	621	7:46	1	0.764	A BV	95196.	125.664	NG	10.92
77	99	768	9:36	17	0.746	A BV	96768.	88.271	NG	7.67
)	82	911	11:23	17	0.885	A BV	75374.	57.561	NG	5.00
,9	172	1224	15:18	17	1.190	A BV	109184.	56.298	NG	4.89
80	330	1484	18:33	33	1.107	A BV	24603.	108.223	NG	9.40
81	212	1860	23:15	60	0.893	A BV	169048.	80.310	NG	6.98
82	244	1895	23:41	52	1.181	A BV	126701.	71.244	NG	6.19

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	10:10	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:59		0.491			50.00		0.505	
3	9:37	1.00	0.947	1.00	0.38	50.00	0.008	1.021	0.01
4	9:37		0.947			50.00		0.371	
5	9:46		0.961			50.00		0.997	
6	9:49		0.966			50.00		0.756	
7	10:05		0.993			50.00		0.861	
8	10:12		1.004			50.00		0.936	
9	10:32		1.037			50.00		0.440	
10	10:34		1.041			50.00		0.836	
11	10:49		1.064			50.00		0.661	
12	10:52		1.069			50.00		0.270	
13	11:07		1.093			50.00		0.736	
14	11:09		1.097			50.00		0.149	
15	11:12		1.102			50.00		0.396	
16	11:25		1.123			50.00		0.374	
17	12:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
18	11:55	1.00	0.928	1.00	0.79	50.00	0.012	0.783	0.02
19	12:06		0.942			50.00		0.187	
)	12:13		0.951			50.00		0.330	
21	12:26		0.968			50.00		0.468	
22	12:40		0.986			250.00		0.221	
23	12:36		0.981			50.00		0.283	
24	12:46		0.994			50.00		0.357	
25	12:54		1.004			50.00		1.125	
26	13:10		1.024			250.00		0.085	
27	13:19		1.036			50.00		0.191	
28	14:10		1.103			50.00		0.413	
29	14:25		1.122			50.00		0.353	
30	14:55		1.161			50.00		0.082	
31	15:07		1.176			50.00		0.188	
32	15:12		1.183			250.00		0.175	
33	16:46	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
34	15:28		0.923			50.00		1.179	
35	15:50		0.945			250.00		0.355	
36	16:19		0.973			50.00		1.375	
37	16:25		0.979			50.00		1.167	
38	16:28		0.982			50.00		0.274	
39	16:44		0.999			250.00		0.007	
40	16:49		1.004			50.00		1.131	
41	16:59		1.013			250.00		0.062	
42	17:13		1.028			125.00		0.132	
43	17:11		1.025			50.00		1.657	
44	17:19		1.034			50.00		0.407	
45	17:53		1.067			50.00		1.580	
	17:58		1.072			50.00		0.526	

025861

003491

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
47	17:57		1.071			50.00		1.278	
48	18:20		1.094			250.00		0.015	
49	18:13		1.087			250.00		0.126	
)	18:16		1.090			50.00		0.479	
51	18:19		1.093			50.00		1.925	
52	20:02	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
53	19:04		0.951			50.00		0.190	
54	19:22		0.966			50.00		0.230	
55	19:47		0.988			50.00		0.105	
56	20:06	1.00	1.003	1.00	0.13	50.00	0.003	1.065	0.00
57	20:11		1.007			50.00		0.994	
58	21:31	1.00	1.074	1.00	0.18	50.00	0.005	1.477	0.00
59	22:44	1.00	1.135	1.00	0.27	50.00	0.006	1.075	0.01
60	25:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
61	23:13	1.00	0.895	1.00	0.37	50.00	0.012	1.598	0.01
62	23:41		0.893			50.00		0.010	
63	24:49		0.956			50.00		0.864	
64	26:34		1.001			50.00		0.035	
65	25:55		0.999			50.00		1.195	
66	26:12	1.00	1.009	1.00	0.48	50.00	0.011	1.173	0.01
67	26:01		1.002			50.00		1.240	
68	27:52		1.074			50.00		2.017	
69	29:58		1.000			40.00		1.000	
70	28:53		0.964			50.00		1.186	
71	28:58		0.967			50.00		0.850	
72	30:04		1.003			50.00		0.987	
73	35:43		1.192			50.00		0.695	
74	35:58		1.200			50.00		0.585	
75	37:23		1.248			50.00		0.539	
)	7:46	1.00	0.764	1.00	125.66	50.00	1.541	0.613	2.51
77	9:36	1.00	0.747	1.00	88.27	50.00	0.696	0.394	1.77
78	11:23	1.00	0.886	1.00	57.56	50.00	0.542	0.471	1.15
79	15:17	1.00	1.190	1.00	56.30	50.00	0.785	0.697	1.13
80	18:32	1.00	1.106	1.00	108.22	50.00	0.332	0.154	2.16
81	23:11	1.00	0.893	1.00	80.31	50.00	2.285	1.423	1.61
82	23:37	1.00	1.179	1.00	71.24	50.00	1.019	0.715	1.42

025862

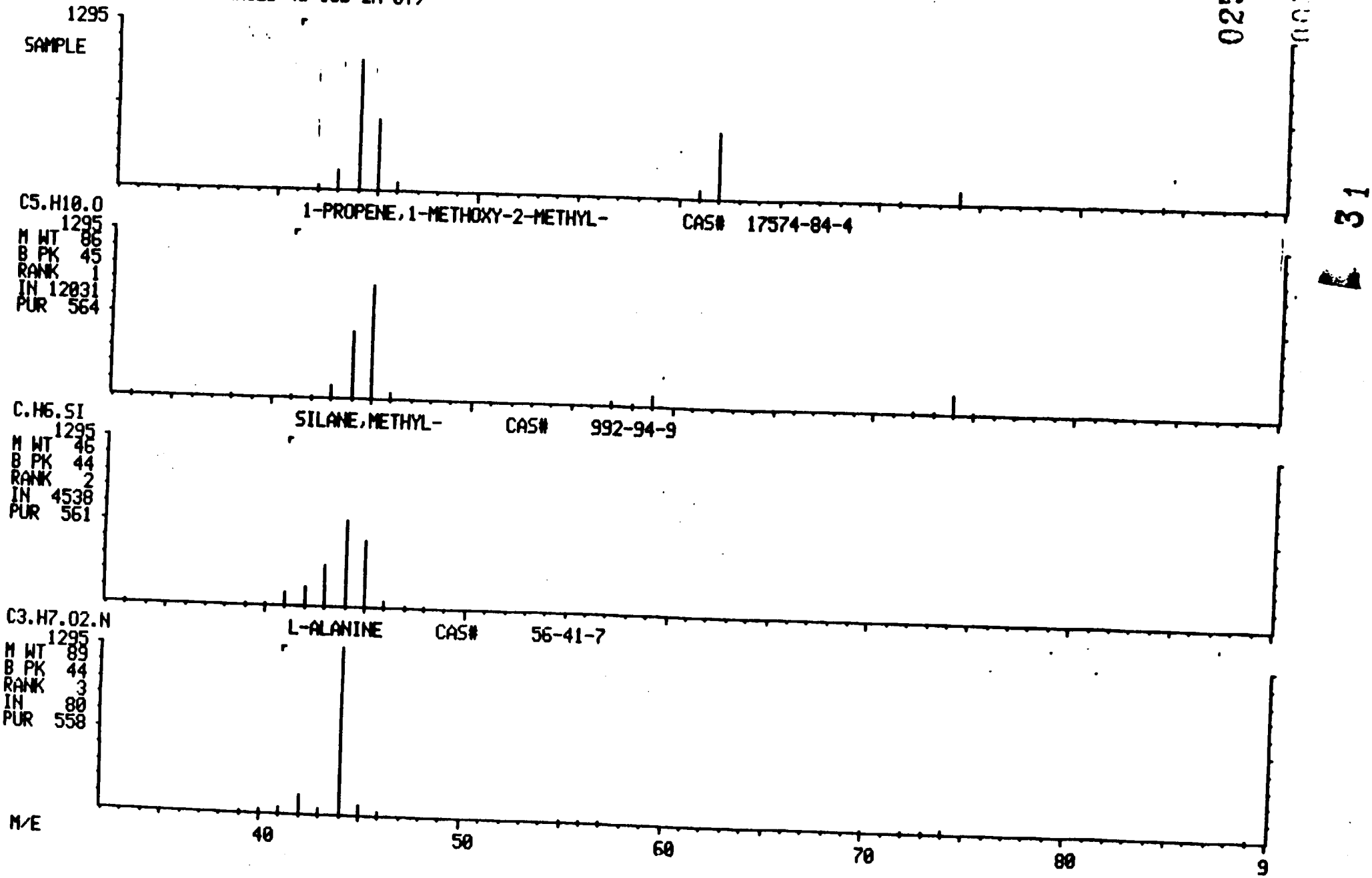
003492

MEAD COMPUCHEM

LIBRARY SEARCH
01/31/84 2:31:00 + 6:55
SAMPLE: 1UL 19317 + 5UL IS (10910)
ENHANCED (S 15B 2N 0T)

DATA: GH019317C15 # 553 BASE M/E: 44
RIC: 24063.

025563



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P.O. Box 818, Alexandria, VA 22313 - 703/557-2490

Sample Number

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Mead CompuChem
Lab Sample ID No.: 20151
Sample Matrix: Solid
Date Release Authorized By:

Case Number: 2333
QC Report No.: 136/356 Blank
Contract No.: 68-01-6162
Date Sample Received:

Associated samples:
19269

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-8-84
DATE ANALYZED: 2-10-84
PERCENT MOISTURE:

Multiply Detection limits by 1 ☐ or 10 ☐ or ☒ 40
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or ug/kg (circle one)
(21A)	88-06-2	2,4,6-trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	10U
(31A)	120-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
37A)	88-75-5	2-nitrophenol	20U
38A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-86-5	pentachlorophenol	20U
(65A)	108-95-2	phenol	10U
	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	10U
	95-95-4	2,4,5-trichlorophenol	100U
(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	10U
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
41B)	101-55-3	4-bromophenyl phenyl ether	10U
42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	111-91-1	bis-(2-chloroethoxy)methane	20U

PP#	CAS#		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	218-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	191-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U
	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

02586

July, 1983

SEMI-VOLATILE LOW SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Lab Name: Mead CompuChem

Lab Sample I.D. No. 20151 ☐ SS ☐ DS ☒ Blank

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/kg)	(Surrogates only) Spike Added (ug/kg)	(Surrogates only) % Recovery
2-Fluorophenol	SEMIVOA	3600	5000	72
2,4,6-Tribromophenol	SEMIVOA	3700	5000	74
D-Phenol	SEMIVOA	2150	5000	43
D5-Nitrobenzene	SEMIVOA	3100	5000	62
D_{14} P-Terphenyl	SEMIVOA	3100	5000	62
2-Fluorobiphenyl	SEMIVOA	2900	5000	58

025863

003485

DATA FILENAME: GH020151B14

LIBRARY SEARCH RESULTS OF EXTRANEOUS PEAKS &
ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: FSCC7

SAMPLE # _____

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ASSESSMENT* RS	OI	UK	ESTIMATED CONC. (UG/KG) OR (UG/L)
1	334	108-88-3	BENZENE,METHYL-	95.2	☑	☐	☐	630.
2	438	17574-84-4	1-PROPENE,1-METHOXY-2-METHYL-	56.5	☐	☐	☑	1100.

40.000 / 40.00

SPECTROSCOPIST MB

DATE 2/10/87

0255B

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(*) RS - REASONABLE IDENTIFICATION, RETENTION TIME COMPATIBILITY
OI - OR ISOMER
UK - UNKNOWN: LIBRARY SEARCH RESULT UNREASONABLE OR OF VERY LOW PURITY

EXTRACTION WORKSHEET
Semi-Volatiles/Miscellaneous

DATE ASSIGNED 2-8-84

ASSIGNED TO: Ed

PAGE ____ OF ____

SAMPLE NUMBER	PREP CODE	CASE #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) B/N	ACID	PEST	TCDD	ADJUSTED PH B/N	A	DATE COMPT	COMMENTS
19344R	128	2400			50.20	.5	1	5	5	13	1	2/8/84	
19264R	128	2333			25.04	.5	1	5	5	13	1		
19432R	128	2330			25.27	5	1	5	5	13	1		
~~18877R~~ 18877R[2]	128/112	2349	SS	18872	50.15	.5	1	5	5	13	1		not needed
~~18878R~~ 18878R[2]	128/112	2349	SS	18872	5032	.5	1	5	5	13	1		not needed
19390R	128	2236			50.23	5ml	2ml	5	5	13	1		unusual volume
18908R	128	2350			50.00	.5	1	5	5	13	1		
19409R	128	2333			50.22	.5	1	5	5	13	1		
19411R	[redacted]	2330			50.00	5	1	5	5	13	1		
20151			B		50.00	.5	1	5	5	13	1		

		S-Vol	Acid	B/N	Pest.	TCDD	Other
SURROGATE	NO.	382			368	364	
	AMT.	250µl			250µl	200µl	
	LOT	10954			10934	10903	
SPIKE	NO.		3608	3018	4014		
	AMT.		1ml	1ml	1ml		
	LOT		10966	10947	10874		
INTERNAL STANDARD	NO.						
	AMT.						
	LOT						

JRH

MANUAL COUNTER 136/356

№ 2226

MB 29

(1)

COMPOUND LIST NO. _____

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE	x	CORRECTION FACTOR x	=	RESULTS (ug/kg)	DET. LIMI (ug/kg)
2	441	N-NITROSODIMETHYLAMINE						10
3	610	PHENOL						10
4	473	ANILINE						10
5	411	BIS(2-CHLORDETHYL)ETHER						10
6	601	2-CHLOROPHENOL						10
7	421	1,3-DICHLOROBENZENE						10
8	422	1,4-DICHLOROBENZENE						10
9	474	BENZYL ALCOHOL						20
10	420	1,2-DICHLOROBENZENE.....						10
11	620	2-METHYLPHENOL						10
12	412	BIS(2-CHLOROISOPROPYL)ETHER						20
13	622	4-METHYLPHENOL						10
14	442	N-NITROSO-DI-N-PROPYLAMINE .						20
15	436	HEXACHLOROETHANE						10
16	440	NITROBENZENE						10
18	438	ISOPHORONE						10
19	606	2-NITROPHENOL						20
20	603	2,4-DIMETHYLPHENOL						10
21	410	BIS(2-CHLOROETHOXY)METHANE .						20
22	625	BENZOIC ACID						100
23	602	2,4-DICHLOROPHENOL						10
24	446	1,2,4-TRICHLOROBENZENE						10
25	439	NAPHTHALENE						10
26	475	4-CHLOROANILINE						50
27	434	HEXACHLOROBUTADIENE						10
28	608	P-CHLORO-M-CRESOL						20
29	477	2-METHYLNAPTHALENE						20
30	435	HEXACHLOROCYCLOPENTADIENE ..						10
31	611	2,4,6-TRICHLOROPHENOL.....						10
32	626	2,4,5-TRICHLOROPHENOL						100
34	416	2-CHLORONAPHTHALENE						10
35	479	3-NITROANILINE						100
36	425	DIMETHYLPHTHALATE						10
37	402	ACENAPHTHYLENE						10
38	428	2,6-DINITROTOLUENE						20

PLEASE COMPLETE CORRECTION FACTOR CALCULATIONS ON THIRD SHEET OF THE COMPOUND LIST!!!

025863

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE x	CORRECTION FACTOR x	= RESULTS (ug/kg)	DET LIM (ug/kg)	
39	478	2-NITROANILINE		40	BDL	100	
40	401	ACENAPHTHENE				10	
41	605	2,4-DINITROPHENOL				50	
42	607	4-NITROPHENOL				100	
43	476	DIBENZOFURAN				10	
44	427	2,4-DINITROTOLUENE.....				20	
45	424	DIETHYLPHTHALATE				10	
46	417	4-CHLOROPHENYL PHENYL ETHER.....				10	
47	432	FLUORENE				10	
48	480	4-NITROANILINE				100	
49	604	4,6-DINITRO-O-CRESOL				20	
50	443	DIPHENYLAMINE (N-NITROSO)				10	
51	430	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)				20	
53	414	4-BROMOPHENYL PHENYL ETHER				10	
54	433	HEXACHLOROBENZENE				10	
55	609	PENTACHLOROPHENOL				20	
56	444	PHENANTHRENE				10	x
57	403	ANTHRACENE				10	
58	426	DI-N-BUTYLPHTHALATE				10	
59	431	FLUORANTHENE				10	
61	445	PYRENE				10	
62	404	BENZIDINE				40	
63	415	BUTYLBENZYLPHTHALATE				10	
64	423	3,3'-DICHLOROBENZIDINE				20	
65	405	BENZO(A)ANTHRACENE				10	
66	413	BIS(2-ETHYLHEXYL)PHTHALATE.....				10	
67	418	CHRYSENE				10	
68	429	DI-N-OCTYLPHTHALATE				10	
70	407	BENZO(B)FLUORANTHENE				20	
71	409	BENZO(K)FLUORANTHENE.....				20	
72	406	BENZO(A)PYRENE				20	
73	437	INDENO(1,2,3-C,D)PYRENE				20	
74	419	DIBENZO(A,H)ANTHRACENE				20	
75	408	BENZO(G,H,I)PERYLENE				20	

(See calculations and surrogates on back)

00025863

COMPOUND LIST NO. _____ COMPUCHEM NO. _____ DATE _____

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COMPOUND NUMBER	SURROGATE COMPOUNDS	QUANT. REPORT VALUE	QUANT. REPORT AMOUNT SPIKED	x	% †† RECOVERY	ACCEPTABLE RANGE
619	2-FLUOROPHENOL	90	125 ÷ [1] †		72	(26-116)
612	D_5-PHENOL	54	125 ÷		43	(10-104)
447	D_5-NITROBENZENE	78	125 ÷		62	(19-115)
448	2-FLUOROBIPHENYL	72	125 ÷		58	(17-125)
628	TRIBROMOPHENOL	93	125 ÷		74	(32-124)*
471	D_{10}-PYRENE	82	125 ÷		66	(NA)
496	D_{14}-TERPHENYL	78	125 ÷	62	62	(34-126)*

†† % Recovery = $\frac{\text{Quant. Report Value}}{\text{Quant. Report Amount Spiked}} \times 100\%$

CORRECTION FACTOR CALCULATION:

$$\frac{\text{Final extraction volume(ml)}}{\text{1ml for Acid, 0.5ml for BN}} \times \frac{50\text{ g}}{\text{Wet Weight Extracted (g)}} \times \text{Dilution Factor} \times \text{Dry Weight Factor} \times 40 =$$

$$\frac{1.0 \quad 0.5\ (\text{ml})}{\text{1.0 and 0.5 ml}} \times \frac{50\text{ g}}{50\ (\text{g})} \times \frac{1}{} \times \frac{1}{} \times 40 = \boxed{40}$$

QUANT. REPORT AMOUNT SPIKED CONVERSION FACTOR:

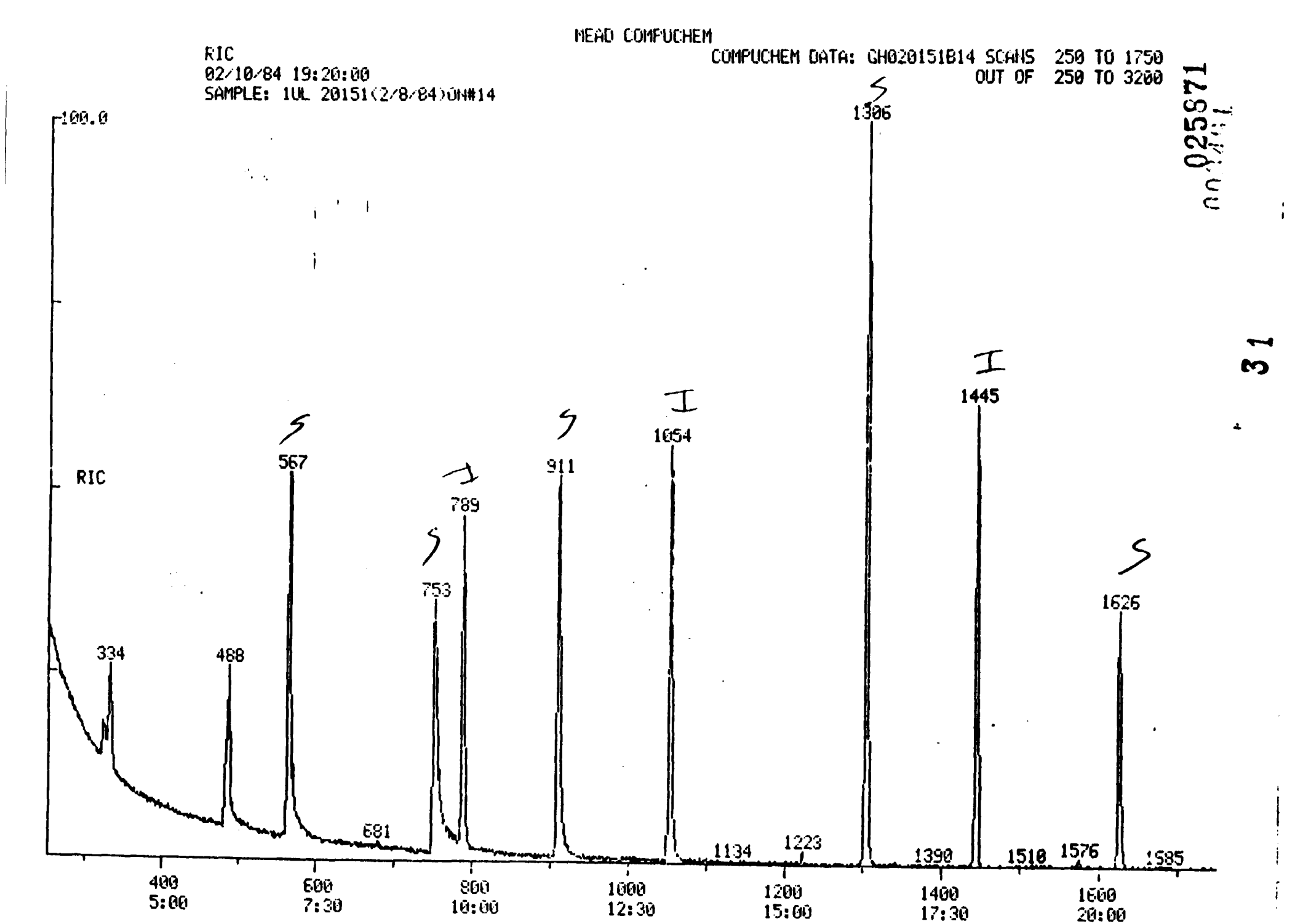
$$\frac{250\text{ ul}}{\text{Amount Surrogate Added (ul)}} \times \frac{\text{Final Extract Vol. (ml)}}{\text{1ml for Acid, 0.5ml for BN}} \times \text{Dilution Factor} =$$

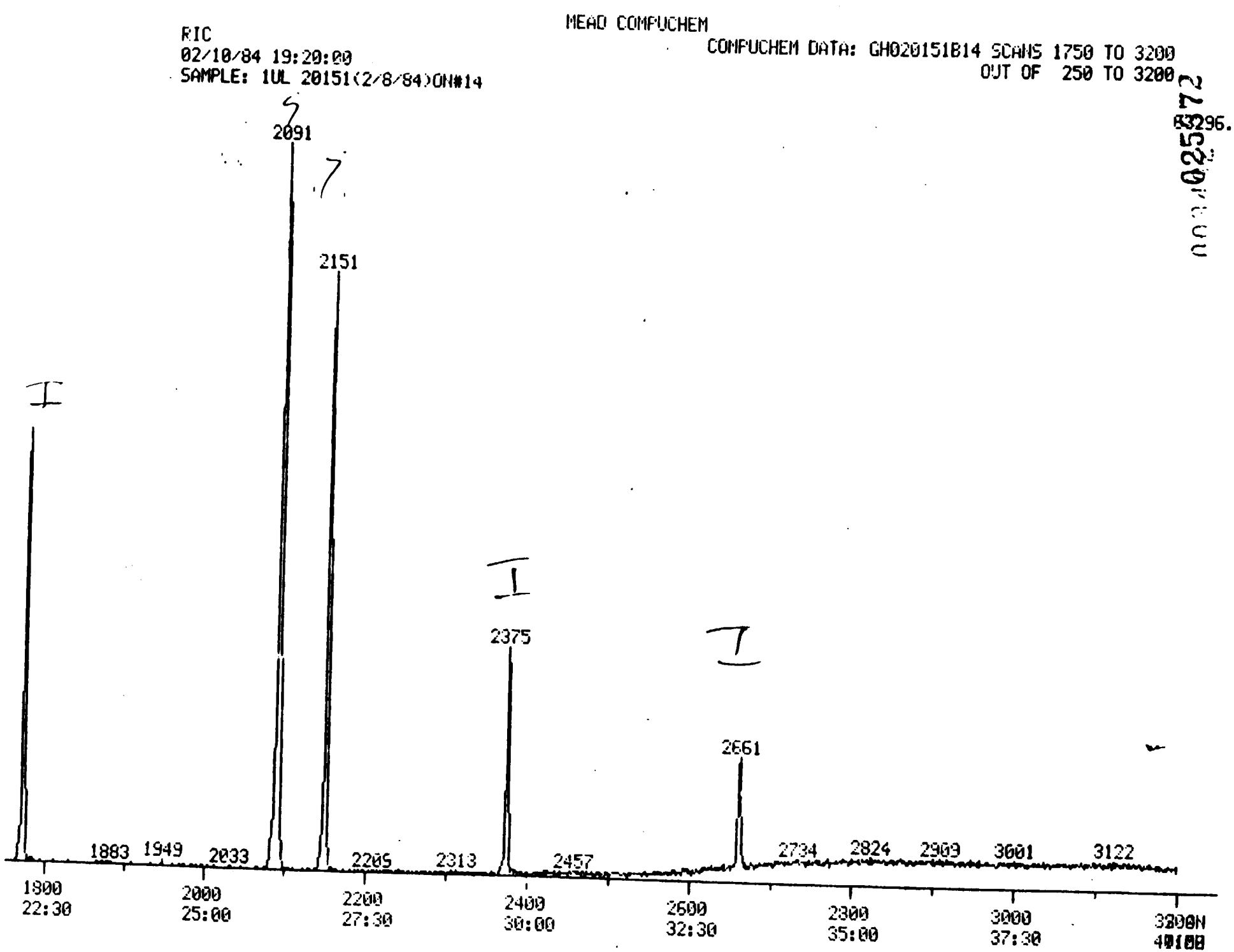
$$\frac{250\text{ ul}}{250\ (\text{ul})} \times \frac{1.0 \quad 0.5\ (\text{ml})}{\text{1.0 and 0.5ml}} \times \frac{1}{} = \boxed{1}\ \dagger$$

*For Advisory Purposes Only

JRT 11/83

025870


MEAD COMPUCHEM
RIC
02/10/84 19:20:00
SAMPLE: 1UL 20151(2/8/84)ON#14
COMPUCHEM DATA: GH020151B14 SCANS 250 TO 1750
OUT OF 250 TO 3200
100.0
RIC
334
468
567
681
753
789
911
1054
1134
1223
1306
1390
1445
1510
1576
1626
1585
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00
1400
17:30
1600
20:00


MEAD COMPUCHEM
RIC
02/10/84 19:20:00
SAMPLE: 1UL 20151(2/8/84)ON#14
COMPUCHEM DATA: GH020151B14 SCANS 1750 TO 3200
OUT OF 250 TO 3200
3296.
2091
2151
2375
2661
1883
1949
2033
2205
2313
2457
2734
2824
2909
3001
3122
1800
22:30
2000
25:00
2200
27:30
2400
30:00
2600
32:30
2800
35:00
3000
37:30
3200N
40:00

PROCEDURE: RK DIAGNOSTIC REPORT 2/10/84 22 58
DATA FILE: GH020151B14
REFERENCE: FSCC7
METHOD: FSCC7 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: FSCC7S1

< ---- STANDARDS ----- >< --- PLUS UNKNOWNS --- >< - LIST NAMES - >								
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	6	1	56	54	6	1	56	FSCC7S1/FSCC7U1
6	6	1	56	34	13	1	50	FSCC7S2/FSCC7U2

82 COMPOUNDS PROCESSED, 13 FOUND

< COMPOUND >< ---------- SEARCH ---------- >< SAT >< ------ CHRO -----												
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA PE
1	C1	1	-788	789	789	.	1	981	.	150	788	-1
2	C2	1	-1053	1054	1054	.	1	986	.	136	1054	.
3	C3	1	-1445	1446	1445	-1	1	984	.	164	1445	.
4	C4	1	-1772	1773	1773	.	1	963	.	188	1773	.
5	C5	1	-2375	2376	2375	-1	1	798	.	240	2375	.
6	C6	1	-2660	2661	2661	.	1	856	.	264	2661	.
7	C1	2	-299	300	.	.	.	.	.	74	.	.
8	C1	3	-753	754	.	.	.	.	.	94	.	.
9	C1	4	-757	758	.	.	.	.	.	93	.	.
10	C1	5	-757	758	.	.	.	.	.	93	.	.
11	C1	6	-757	758	.	.	.	.	.	128	.	.
12	C1	7	-779	780	.	.	.	.	.	146	.	.
13	C1	8	-792	793	.	.	.	.	.	146	.	.
14	C1	9	-835	836	.	.	.	.	.	108	.	.
15	C1	10	-827	828	.	.	.	.	.	146	.	.
16	C1	11	-869	870	.	.	.	.	.	108	.	.
17	C1	12	-867	868	.	.	.	.	.	121	.	.
18	C1	13	-900	901	.	.	.	.	.	108	.	.
19	C1	14	-896	897	.	.	.	.	.	130	.	.
20	C1	15	-888	889	.	.	.	.	.	117	.	.
21	C1	16	-914	915	.	.	.	.	.	123	.	.
22	C2	2	-967	968	.	.	.	.	.	82	.	.
23	C2	3	-982	983	.	.	.	.	.	139	.	.
24	C2	4	-1007	1008	.	.	.	.	.	122	.	.
25	C2	5	-1027	1028	.	.	.	.	.	93	.	.
26	C2	6	-1072	1073	.	.	.	.	.	105	.	.
27	C2	7	-1035	1036	.	.	.	.	.	162	.	.
28	C2	8	-1048	1049	.	.	.	.	.	180	.	.
29	C2	9	-1057	1058	.	.	.	.	.	128	.	.
30	C2	10	-1092	1093	.	.	.	.	.	127	.	.
31	C2	11	-1105	1106	.	.	.	.	.	225	.	.
32	C2	12	-1205	1206	.	.	.	.	.	107	.	.
33	C2	13	-1211	1212	.	.	.	.	.	115	.	.
34	C2	14	-1264	1265	.	.	.	.	.	237	.	.
35	C2	15	-1286	1287	.	.	.	.	.	196	.	.
36	C2	16	-1295	1296	.	.	.	.	.	196	.	.
37	C3	2	-1317	1318	.	.	.	.	.	162	.	.
38	C3	3	-1360	1361	.	.	.	.	.	138	.	.
39	C3	4	-1416	1417	.	.	.	.	.	163	.	.
40	C3	5	-1408	1409	.	.	.	.	.	152	.	.
41	C3	6	-1427	1428	.	.	.	.	.	165	.	.
42	C3	7	-1450	1451	.	.	.	.	.	138	.	.
43	C3	8	-1451	1452	.	.	.	.	.	154	.	.
44	C3	9	-1476	1477	.	.	.	.	.	182	.	.
45	C3	10	-1509	1510	.	.	.	.	.	109	.	.
46	C3	11	-1488	1489	.	.	.	.	.	168	.	.
47	C3	12	-1511	1512	.	.	.	.	.	165	.	.
48	C3	13	-1578	1579	.	.	.	.	.	149	1577	.

									166		
51	C3	16	-1624	1625					138		
52	C3	17	-1600	1601					198		
53	C3	18	-1606	1607					169		
54	C3	19	-1610	1611					77		
55	C4	2	-1683	1684					248		
56	C4	3	-1706	1707					284		
57	C4	4	-1752	1753					266		
58	C4	5	-1777	1778					178		
59	C4	6	-1787	1788					178		
60	C4	7	-1948	1949					149	1949	
61	C4	8	-2047	2048					202		
62	C5	2	-2095	2096					202	2094	
63	C5	3							184		
64	C5	4	-2284	2285					149		
65	C5	5							252		
66	C5	6	-2372	2373					228		
67	C5	7	-2430	2431					149		
68	C5	8	-2381	2382					228		
69	C5	9	-2562	2563					149		
70	C6	2	-2603	2604					252		
71	C6	3	-2607	2608					252		
72	C6	4	-2665	2666					252		
73	C6	5	-2908	2909					276		
74	C6	6	-2917	2918					278		
75	C6	7	-2974	2975					276		
76	C7	2	-566	567	566	-1	1	994	112	566	
77	C7	3	-752	753	753		1	908	99	753	
78	C7	4	-910	911	911		1	992	82	911	
79	C7	5	-1305	1306	1306		1	987	172	1306	
80	C7	6	-1625	1626	1626		1	971	330	1626	
81	C7	7	-2091	2092	2091	-1	1	898	212	2091	
82	C7	8	-2150	2151	2151		1	982	244	2151	

QUANTITATION REPORT FILE: GHO20151B14

DATA: GHO20151B14.TI
02/10/84 19:20:00
SAMPLE: 1UL 20151(2/8/84)ON#14
SUBMITTED BY: 14 ANALYST: 755

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	*D4-1,4-DICHLOROBENZENE (IS)
2	441 N-NITROSODIMETHYAMINE
3	610 PHENOL
4	473 ANILINE
5	411 BIS(2-CHLOROETHYL)ETHER
6	601 2-CHLOROPHENOL
7	421 1,3-DICHLOROBENZENE
8	422 1,4-DICHLOROBENZENE
9	474 BENZYL ALCOHOL
10	420 1,2-DICHLOROBENZENE
11	620 2-METHYLPHENOL
12	412 BIS(2-CHLOROISOPROPYL)ETHER
13	622 4-METHYLPHENOL
14	442 N-NITROSO-DI-N-PROPYLAMINE
15	436 HEXACHLOROETHANE
16	440 NITROBENZENE
17	*460 D8-NAPHTHALENE (IS)
18	438 ISOPHORONE
19	606 2-NITROPHENOL
20	603 2,4-DIMETHYLPHENOL
21	410 BIS(2-CHLOROETHOXY)METHANE
22	625 BENZOIC ACID
23	602 2,4-DICHLOROPHENOL
24	446 1,2,4-TRICHLOROBENZENE
25	439 NAPHTHALENE
26	475 4-CHLORDANILINE
27	434 HEXACHLOROBUTADIENE
28	608 P-CHLORO-M-CRESOL
29	477 2-METHYLNAPHTHALENE
30	435 HEXACHLOROCYCLOPENTADIENE
31	611 2,4,6-TRICHLOROPHENOL
32	626 2,4,5-TRICHLOROPHENOL
33	*D10-ACENAPHTHENE (IS)
34	416 2-CHLORONAPHTHALENE
35	479 3-NITROANILINE
36	425 DIMETHYLPHTHALATE
37	402 ACENAPHTHYLENE
38	428 2,6-DINITROTOLUENE
39	478 2-NITROANILINE
40	401 ACENAPHTHENE
41	605 2,4-DINITROPHENOL
42	607 4-NITROPHENOL
43	476 DIBENZOFURAN
44	427 2,4-DINITROTOLUENE
45	424 DIETHYLPHTHALATE
46	417 4-CHLOROPHENYL PHENYL ETHER

NO	NAME
47	432 FLUORENE
48	480 4-NITROANILINE
49	604 4,6-DINITRO-O-CRESOL
50	443 DIPHENYLAMINE (N-NITROSO)
51	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE)
52	*467 D10-PHENANTHRENE (IS)
53	414 4-BROMOPHENYL PHENYL ETHER
54	433 HEXACHLOROBENZENE
55	609 PENTACHLOROPHENOL
56	444 PHENANTHRENE
57	403 ANTHRACENE
58	426 DI-N-BUTYLPHTHALATE
59	431 FLUORANTHENE
60	*459 D12-CHRYSENE (IS)
61	445 PYRENE
62	404 BENZIDENE
63	415 BUTYLBENZYLPHTHALATE
64	423 3,3'-DICHLOROBENZIDINE
65	405 BENZO(A)ANTHRACENE
66	413 BIS(2-ETHYLHEXYL)PHTHALATE
67	418 CHRYSENE
68	429 DI-N-OCTYLPHTHALATE
69	*D12-BENZO(A)PYRENE (IS)
70	407 BENZO(B)FLUORANTHENE
71	409 BENZO(K)FLUORANTHENE
72	406 BENZO(A)PYRENE
73	437 INDENO(1,2,3-C,D)PYRENE
74	419 DIBENZO(A,H)ANTHRACENE
75	408 BENZO(G,H,I)PERYLENE
76	619 2-FLUOROPHENOL (SURROGATE)
77	D5-PHENOL (SURROGATE)
78	447 D5-NITROBENZENE (SURROGATE)
79	448 2-FLUOROBIPHENYL (SURROGATE)
80	TRIBROMOPHENOL (SURROGATE)
81	D10-PYRENE (SURROGATE)
82	D14-TERPHENYL (SURROGATE)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	150	788	9:51	1	1.000	A BB	30768.	40.000 NG	5.07
2	NOT FOUND								
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	136	1054	13:10	17	1.000	A BV	64453.	40.000 NG	5.07
18	NOT FOUND								

025873

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	164	1445	18:04	33	1.000	A BB	33561.	40.000 NG	5.07
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	149	1577	19:43	33	1.091	A BB	1197.	1.014 NG	0.13
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								
51	NOT FOUND								
52	188	1773	22:10	52	1.000	A BB	55418.	40.000 NG	5.07
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	149	1949	24:22	52	1.099	A BB	1173.	0.597 NG	0.08
59	NOT FOUND								
60	240	2375	29:41	60	1.000	A BV	22587.	40.000 NG	5.07
61	202	2094	26:10	60	0.882	A BB	1617.	1.237 NG	0.16
62	NOT FOUND								
63	NOT FOUND								
64	NOT FOUND								
65	NOT FOUND								
66	NOT FOUND								
67	NOT FOUND								
68	NOT FOUND								
69	264	2661	33:16	69	1.000	A BB	11898.	40.000 NG	5.07
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								

025877

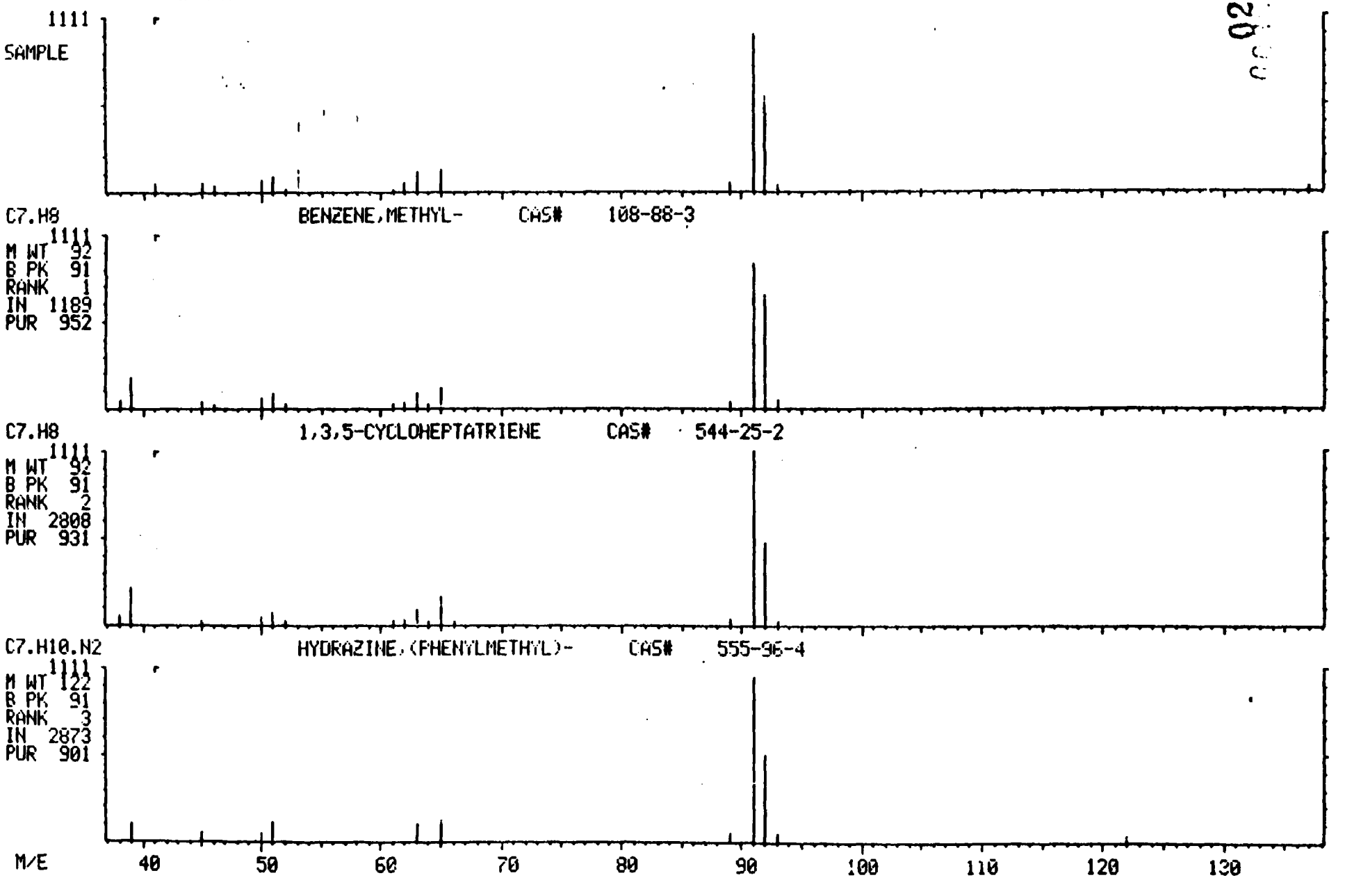
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
75	NOT FOUND								
76	112	566	7:04	1	0.718	A BV	41350.	89.730 NG	11.37
77	99	753	9:25	17	0.714	A BV	35821.	53.953 NG	6.84
78	82	911	11:23	17	0.864	A BV	49501.	78.356 NG	9.93
79	172	1306	16:19	17	1.239	A BB	80435.	71.867 NG	9.11
80	330	1626	20:19	33	1.125	A BB	10639.	93.181 NG	11.81
81	212	2091	26:08	60	0.880	A BV	92856.	81.463 NG	10.33
82	244	2151	26:53	52	1.213	A BV	64687.	78.198 NG	9.91

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	3:44		0.379			50.00		0.381	
3	9:25		0.956			50.00		0.961	
4	9:28		0.961			100.00		0.393	
5	9:28		0.961			100.00		0.397	
6	9:28		0.961			50.00		0.727	
7	9:44		0.989			50.00		0.842	
8	9:54		1.005			50.00		0.926	
9	10:26		1.060			50.00		0.425	
10	10:20		1.049			50.00		0.827	
11	10:52		1.103			50.00		0.590	
12	10:50		1.100			50.00		0.208	
13	11:15		1.142			50.00		0.695	
14	11:12		1.137			50.00		0.124	
15	11:06		1.127			50.00		0.290	
16	11:25		1.160			50.00		0.386	
17	13:10	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
18	12:05		0.918			50.00		0.624	
19	12:16		0.933			50.00		0.173	
20	12:35		0.956			50.00		0.322	
21	12:50		0.975			50.00		0.438	
22	13:24		1.018			250.00		0.108	
23	12:56		0.983			50.00		0.285	
24	13:06		0.995			50.00		0.368	
25	13:13		1.004			50.00		1.128	
26	13:39		1.037			249.99		0.166	
27	13:49		1.049			50.00		0.170	
28	15:04		1.144			50.00		0.352	
29	15:08		1.150			50.00		0.257	
30	15:48		1.200			50.00		0.081	
31	16:04		1.221			50.00		0.218	
32	16:11		1.230			249.99		0.187	
33	18:04	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
34	16:28		0.911			50.00		1.249	
35	17:00		0.941			249.99		0.403	
36	17:42		0.980			50.00		1.384	
37	17:36		0.974			50.00		0.897	
38	17:50		0.988			50.00		0.224	
39	18:07		1.003			249.99		0.037	
40	18:08		1.004			50.00		1.153	
41	18:27		1.021			249.99		0.075	
42	18:52		1.044			125.00		0.120	
43	18:36		1.030			50.00		1.710	
44	18:53		1.046			50.00		0.354	
45	19:43	1.00	1.092	1.00	1.01	50.00	0.029	1.407	0.02
46	19:42		1.091			50.00		0.506	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
47	19:34		1.083			50.00		1.273	
48	20:18		1.124			249.99		0.008	
49	20:00		1.107			249.99		0.124	
50	20:04		1.111			50.00		0.294	
51	20:07		1.114			50.00		1.370	
52	22:09	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
53	21:02		0.950			50.00		0.177	
54	21:19		0.963			50.00		0.234	
55	21:54		0.989			50.00		0.098	
56	22:13		1.003			50.00		1.180	
57	22:20		1.008			50.00		0.928	
58	24:21	1.00	1.099	1.00	0.60	50.00	0.017	1.419	0.01
59	25:35		1.155			50.00		0.986	
60	29:41	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
61	26:11	1.00	0.882	1.00	1.24	50.00	0.057	2.314	0.02
62	26:59		0.908			50.00		0.010	
63	28:33		0.962			50.00		1.168	
64	30:43		1.007			50.00		0.018	
65	29:39		0.999			50.00		1.507	
66	30:22		1.023			50.00		1.801	
67	29:46		1.003			50.00		1.223	
68	32:01		1.079			50.00		2.822	
69	33:15	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
70	32:32		0.979			50.00		1.625	
71	32:35		0.980			50.00		1.326	
72	33:19		1.002			50.00		1.112	
73	36:21		1.093			50.00		0.501	
74	36:28		1.097			50.00		0.353	
75	37:10		1.118			50.00		0.371	
76	7:04	1.00	0.718	1.00	89.73	50.00	1.075	0.599	1.79
77	9:24	1.00	0.714	1.00	53.95	50.00	0.445	0.412	1.08
78	11:22	1.00	0.864	1.00	78.36	50.00	0.614	0.392	1.57
79	16:19	1.00	1.239	1.00	71.87	50.00	0.998	0.695	1.44
80	20:19	1.00	1.125	1.00	93.18	50.00	0.254	0.136	1.86
81	26:08	1.00	0.880	1.00	81.46	50.00	3.289	2.019	1.63
82	26:52	1.00	1.213	1.00	78.20	50.00	0.934	0.597	1.56

LIBRARY SEARCH
02/10/84 19:20:00 + 4:10
SAMPLE: 1UL 20151(2/8/84)ON#14
ENHANCED (S 15B 2N 0T)

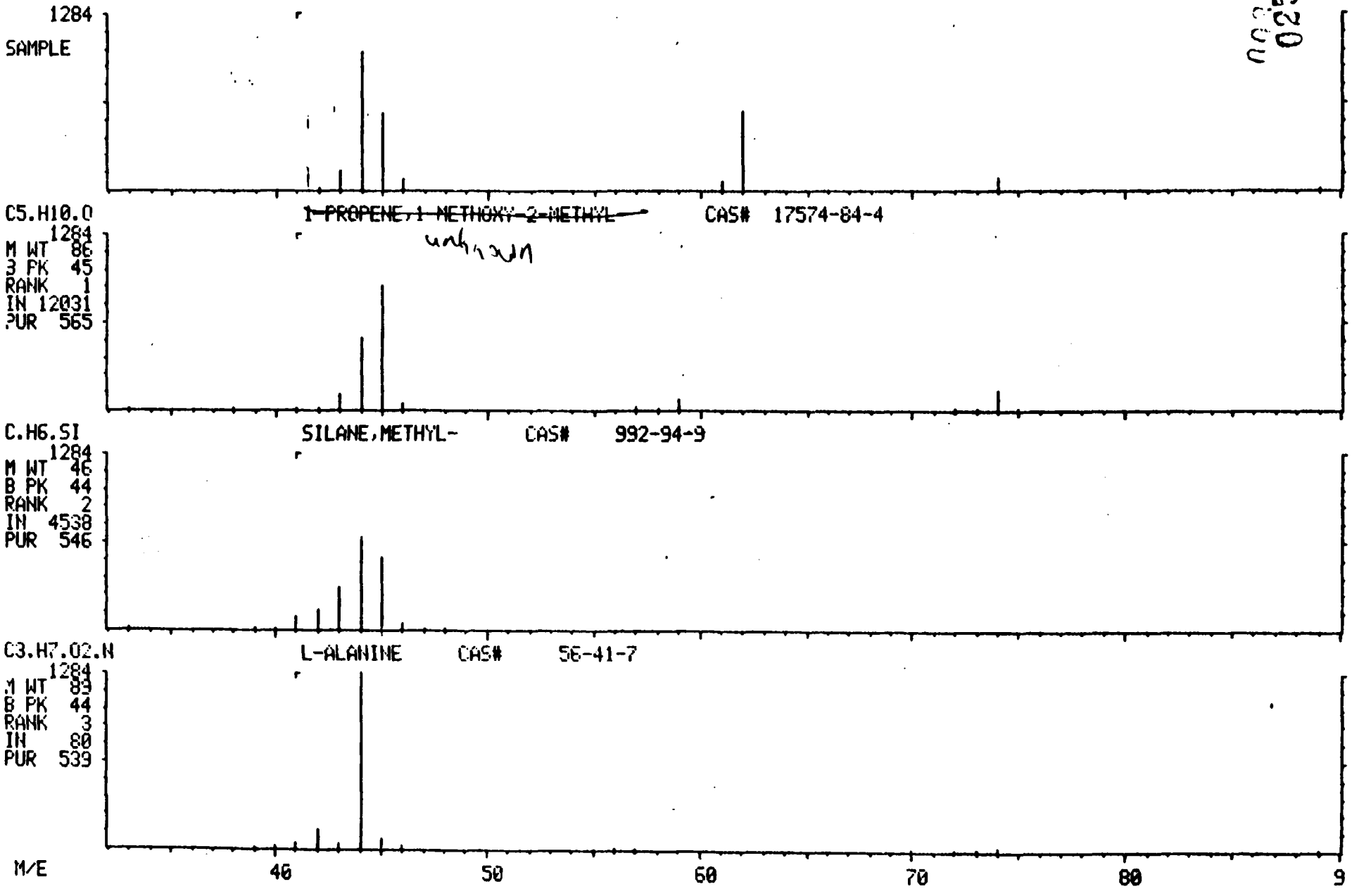
DATA: GH020151B14 # 334
BASE M/E: 91
RIC: 7519.



LIBRARY SEARCH
02/10/84 19:20:00 + 6:06
SAMPLE: 1UL 20151(2/8/84)ON#14
ENHANCED (5 15B 2N 0T)

DATA: GH020151B14 # 488
BASE M/E: 44
RIC: 11407.

025381



31

P.O. Box 818, Alexandria, VA 22313 - 703/557-2490

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Mead CompuChem
Lab Sample ID No.: 19311
Sample Matrix: Solid
Date Release Authorized By:
Associated samples: 19270

Case Number: 2333
QC Report No.: 136/334 Blank
Contract No.: VOS-01-6702
Date Sample Received:

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 1-24-84
DATE ANALYZED: 1-27-84
PERCENT MOISTURE:

Multiply Detection limits by 1 ☐ or 10 ☐ or ☒ 40
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or (ug/kg) (circle one)
(21A)	88-06-2	2,4,6-trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	10U
(31A)	122-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-36-5	pentachlorophenol	20U
(65A)	108-95-2	phenol	10U
	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	10U
	95-95-4	2,4,5-trichlorophenol	100U
(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethene	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	10U
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	111-91-1	bis-(2-chloroethoxy)methane	20U

PP#	CAS#		ug/l or (ug/kg) (circle one)
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	218-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	191-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U
	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

0256

SEMI-VOLATILE LOW SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Lab Name: Mead CompuChem

Lab Sample I.D. No. 19311 ☐ SS ☐ DS ☒ Blank

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/kg)	(Surrogates only) Spike Added (ug/kg)	(Surrogates only) % Recovery
2-Fluorophenol	SEMIVOA	4200	5000	84
2,4,6-Tribromophenol	SEMIVOA	4300	5000	86
D-Phenol	SEMIVOA	3250	5000	65
D5-Nitrobenzene	SEMIVOA	2900	5000	58
D_{14} P-Terphenyl	SEMIVOA	3400	5000	68
2-Fluorobiphenyl	SEMIVOA	3200	5000	64

025883

LAB NAME: MEAD CORPORATION

LAB SAMPLE I.D.# 19 331

ORGANICS ANALYSIS DATA SHEET - Page 4

EPA SAMPLE # C0 -

025884

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS

ITEM NUMBER	SCAN NUMBER	CAS #	COMPOUND NAME	FRACTION	PURITY %	ESTIMATE CONC.(ug/kg)
1			Unknown	FSCC		
2				FSCC		
3				FSCC		
4				FSCC		
5				FSCC		
6				FSCC		
7				FSCC		
8				FSCC		
9				FSCC		
10				FSCC		
11				FSCC		
12				FSCC		
13				FSCC		
14				FSCC		
15				FSCC		
16				FSCC		
17				FSCC		
18				FSCC		
19				FSCC		
20				FSCC		

Semi-Volatiles/Miscellaneous

DATE ASSIGNED 1/24/84

ASSIGNED TO: Marlen

PAGE 2 OF

SAMPLE NUMBER	PREP CODE	CASE #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) B/N	ACID	PEST	TCDD	ADJUSTED PH B/N	A	DATE COMPT	COMMENTS
19270	128	2333			50.69	1.0 ml	1.0 ml	5.0 ml	5.0 ml	13	2	1/24	
19311			B		50.0	0.5 ml	1.0 ml	5.0 ml	5.0 ml.	13	2	1/24	

		S-Vol	Acid	B/N	Pest.	TCDD	Other
SURROGATE	NO.	382			368	364	
	AMT.	250µl			250µl	200µl	
	LOT	10631			10602	10903	
SPIKE	NO.						
	AMT.						
	LOT						
INTERNAL STANDARD	NO.						
	AMT.						
	LOT						

TLH

MANUAL COUNTER 136/334

MB 1-25

№ 3141

(1)

COMPOUND LIST NO. _____ COMPUCHEM NO. _____ DATE _____ 1 of

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE	x	CORRECTION FACTOR x	=	RESULTS (ug/kg)	DET. LIMI (ug/kg)	
2	441	N-NITROSODIMETHYLAMINE			40 *		NDL	10	
3	610	PHENOL						10	
4	473	ANILINE						10	
5	411	BIS(2-CHLOROETHYL)ETHER						10	
6	601	2-CHLOROPHENOL						10	
7	421	1,3-DICHLOROBENZENE						10	
8	422	1,4-DICHLOROBENZENE						10	
9	474	BENZYL ALCOHOL						20	
10	420	1,2-DICHLOROBENZENE.....						10	
11	620	2-METHYLPHENOL						10	
12	412	BIS(2-CHLOROISOPROPYL)ETHER						20	
13	622	4-METHYLPHENOL						10	
14	442	N-NITROSO-DI-N-PROPYLAMINE .						20	
15	436	HEXACHLOROETHANE						10	
16	440	NITROBENZENE						10	
18	438	ISOPHORONE						10	x
19	606	2-NITROPHENOL						20	
20	603	2,4-DIMETHYLPHENOL						10	
21	410	BIS(2-CHLOROETHOXY)METHANE .						20	
22	625	BENZOIC ACID						100	
23	602	2,4-DICHLOROPHENOL						10	
24	446	1,2,4-TRICHLOROBENZENE						10	
25	439	NAPHTHALENE						10	
26	475	4-CHLOROANILINE						50	
27	434	HEXACHLOROBUTADIENE						10	
28	608	P-CHLORO-M-CRESOL						20	
29	477	2-METHYLNAPTHALENE						20	
30	435	HEXACHLOROCYCLOPENTADIENE ..						10	
31	611	2,4,6-TRICHLOROPHENOL.....						10	
32	626	2,4,5-TRICHLOROPHENOL						100	
34	416	2-CHLORONAPHTHALENE						10	
35	479	3-NITROANILINE						100	
36	425	DIMETHYLPHTHALATE						10	
37	402	ACENAPHTHYLENE						10	
38	428	2,6-DINITROTOLUENE						20	

025886

PLEASE COMPLETE CORRECTION FACTOR CALCULATIONS ON THIRD SHEET OF THE COMPOUND LIST!!!

COMPOUND LIST NO. _____

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE x	CORRECTION FACTOR x	= RESULTS (ug/kg)	DET LIMI (ug/kg)	
39	478	2-NITROANILINE		#0 *	NDC	100	
40	401	ACENAPHTHENE				10	
41	605	2,4-DINITROPHENOL				50	
42	607	4-NITROPHENOL				100	
43	476	DIBENZOFURAN				10	
44	427	2,4-DINITROTOLUENE.....				20	
45	424	DIETHYLPHTHALATE				10	
46	417	4-CHLOROPHENYL PHENYL ETHER.....				10	
47	432	FLUORENE				10	
48	480	4-NITROANILINE				100	
49	604	4,6-DINITRO-O-CRESOL				20	
50	443	DIPHENYLAMINE (N-NITROSO)				10	
51	430	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)				20	
53	414	4-BROMOPHENYL PHENYL ETHER				10	
54	433	HEXACHLOROBENZENE				10	
55	609	PENTACHLOROPHENOL				20	
56	444	PHENANTHRENE				10	x
57	403	ANTHRACENE				10	
58	426	DI-N-BUTYLPHTHALATE				10	
59	431	FLUORANTHENE				10	
61	445	PYRENE				10	
62	404	BENZIDINE				40	
63	415	BUTYLBENZYLPHTHALATE				10	
64	423	3,3'-DICHLOROBENZIDINE				20	
65	405	BENZO(A)ANTHRACENE				10	
66	413	BIS(2-ETHYLHEXYL)PHTHALATE.....				10	
67	418	CHRYSENE				10	
68	429	DI-N-OCTYLPHTHALATE				10	
70	407	BENZO(B)FLUORANTHENE				20	
71	409	BENZO(K)FLUORANTHENE.....				20	
72	406	BENZO(A)PYRENE				20	
73	437	INDENO(1,2,3-C,D)PYRENE				20	
74	419	DIBENZO(A,H)ANTHRACENE				20	
75	408	BENZO(G,H,I)PERYLENE				20	

(See calculations and surrogates on back)

00025887

COMPOUND LIST NO. _____

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE x	CORRECTION FACTOR x	= RESULTS (ug/kg)	DET LIMI (ug/kg)	
39	478	2-NITROANILINE		#0 *	NDC	100	
40	401	ACENAPHTHENE				10	
41	605	2,4-DINITROPHENOL				50	
42	607	4-NITROPHENOL				100	
43	476	DIBENZOFURAN				10	
44	427	2,4-DINITROTOLUENE.....				20	
45	424	DIETHYLPHTHALATE				10	
46	417	4-CHLOROPHENYL PHENYL ETHER.....				10	
47	432	FLUORENE				10	
48	480	4-NITROANILINE				100	
49	604	4,6-DINITRO-O-CRESOL				20	
50	443	DIPHENYLAMINE (N-NITROSO)				10	
51	430	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)				20	
53	414	4-BROMOPHENYL PHENYL ETHER				10	
54	433	HEXACHLOROBENZENE				10	
55	609	PENTACHLOROPHENOL				20	
56	444	PHENANTHRENE				10	x
57	403	ANTHRACENE				10	
58	426	DI-N-BUTYLPHTHALATE				10	
59	431	FLUORANTHENE				10	
61	445	PYRENE				10	
62	404	BENZIDINE				40	
63	415	BUTYLBENZYLPHTHALATE				10	
64	423	3,3'-DICHLOROBENZIDINE				20	
65	405	BENZO(A)ANTHRACENE				10	
66	413	BIS(2-ETHYLHEXYL)PHTHALATE.....				10	
67	418	CHRYSENE				10	
68	429	DI-N-OCTYLPHTHALATE				10	
70	407	BENZO(B)FLUORANTHENE				20	
71	409	BENZO(K)FLUORANTHENE.....				20	
72	406	BENZO(A)PYRENE				20	
73	437	INDENO(1,2,3-C,D)PYRENE				20	
74	419	DIBENZO(A,H)ANTHRACENE				20	
75	408	BENZO(G,H,I)PERYLENE				20	

(See calculations and surrogates on back)

00025887

COMPOUND LIST NO. _____ COMPUCHEM NO. 9311 DATE _____

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COMPOUND NUMBER	SURROGATE COMPOUNDS	QUANT. REPORT VALUE	QUANT. REPORT AMOUNT SPIKED	x	% †† RECOVERY	ACCEPTABLE RANGE
619	2-FLUOROPHENOL	105	125 ÷	1 †	84	(26-116)
612	D_5-PHENOL	81	125 ÷		65	(10-104)
447	D_5-NITROBENZENE	72	125 ÷		58	(19-115)
448	2-FLUOROBIPHENYL	80	125 ÷		64	(17-125)
628	TRIBROMOPHENOL	108	125 ÷		86	(32-124)*
471	D_{10}-PYRENE	87	125 ÷		70	(NA)
496	D_{14}-TERPHENYL	85	125 ÷		68	(34-126)*

†† % Recovery = $\frac{\text{Quant. Report Value}}{\text{Quant. Report Amount Spiked}} \times 100\%$

CORRECTION FACTOR CALCULATION:

$$\frac{\text{Final extraction volume(ml)}}{\text{1ml for Acid, 0.5ml for BN}} \times \frac{50\text{ g}}{\text{Wet Weight Extracted (g)}} \times \text{Dilution Factor} \times \text{Dry Weight Factor} \times 40 =$$

$$\frac{1 \quad 0.5 \text{ (ml)}}{\text{1.0 and 0.5 ml}} \times \frac{50\text{ g}}{50 \text{ (g)}} \times \frac{1}{} \times \frac{1}{} \times 40 = \boxed{40}^{\dagger}$$

QUANT. REPORT AMOUNT SPIKED CONVERSION FACTOR:

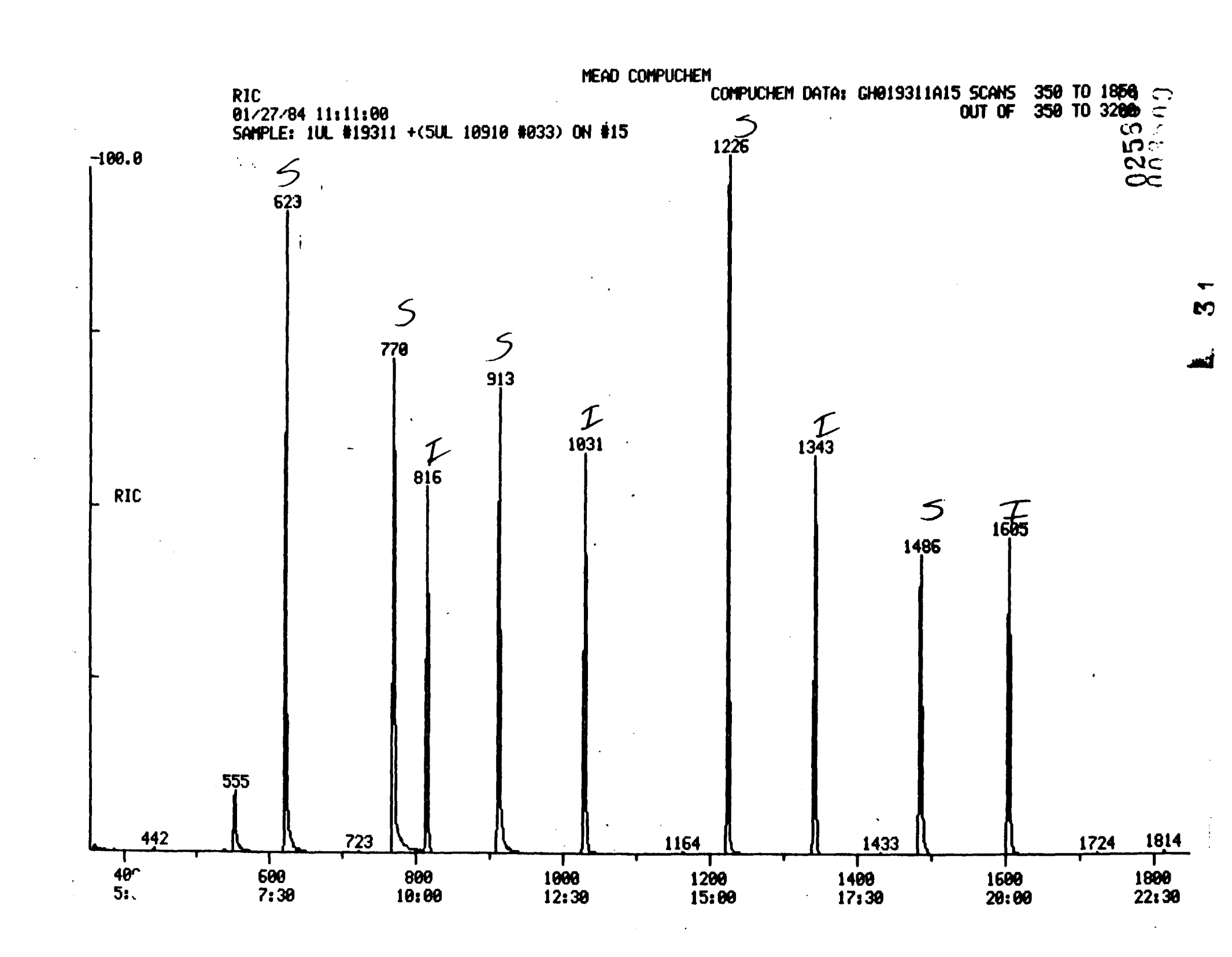
$$\frac{250\text{ ul}}{\text{Amount Surrogate Added (ul)}} \times \frac{\text{Final Extract Vol. (ml)}}{\text{1ml for Acid, 0.5ml for BN}} \times \text{Dilution Factor} =$$

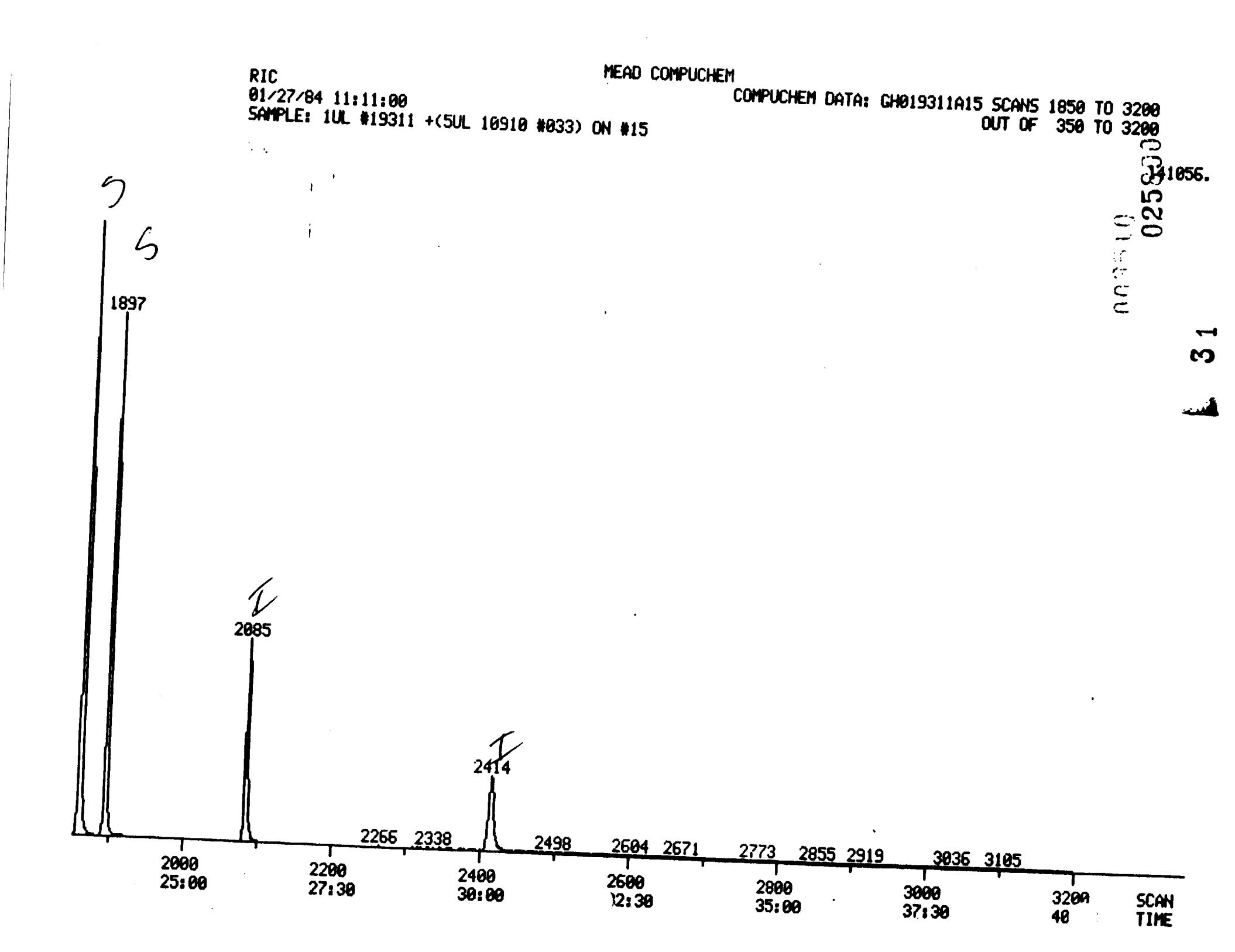
$$\frac{250\text{ ul}}{250 \text{ (ul)}} \times \frac{1 \quad 0.5 \text{ (ml)}}{\text{1.0 and 0.5ml}} \times \_\_\_\_ = \boxed{1}^{\dagger}$$

*For Advisory Purposes Only

025883

JRT 11/83


MEAD COMPUCHEM
RIC
01/27/84 11:11:00
SAMPLE: 1UL #19311 +(5UL 10910 #033) ON #15
COMPUCHEM DATA: GH019311A15 SCANS 350 TO 1850
OUT OF 350 TO 3200
100.0
RIC
623
770
816
913
1031
1226
1343
1486
1605
555
442
723
1164
1433
1724
1814
400
600
800
1000
1200
1400
1600
1800
5:
7:30
10:00
12:30
15:00
17:30
20:00
22:30


RIC
01/27/84 11:11:00
SAMPLE: 1UL #19311 +(5UL 10910 #033) ON #15
MEAD COMPUCHEM
COMPUCHEM DATA: GH019311A15 SCANS 1850 TO 3200
OUT OF 350 TO 3200
141056.
1897
2085
2414
2266
2338
2498
2604
2671
2773
2855
2919
3036
3105
2000
25:00
2200
27:30
2400
30:00
2600
32:30
2800
35:00
3000
37:30
3200
40
SCAN
TIME

PROCEDURE: RK DIAGNOSTIC REPORT 1/27/84 11:52:58
DATA FILE: GH019311A15
REFERENCE: FSCC7
METHOD: FSCC7 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: FSCC7S1

< ---- STANDARDS ----- >< --- PLUS UNKNOWNS --- >< - LIST NAMES - >								
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	6	1	85	34	6	1	85	FSCC7S1/FSCC7U1
6	6	1	85	34	11	1	69	FSCC7S2/FSCC7U2

82 COMPOUNDS PROCESSED, 11 FOUND

< COMPOUND >< ---------- SEARCH ---------- >< SAT >< ------ CHRO -------													
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	C1	1	-812	816	816	.	1	994	.	150	816	.	1
2	C2	1	-1027	1031	1031	.	1	989	.	136	1031	.	1
3	C3	1	-1340	1343	1343	.	1	995	.	164	1343	.	1
4	C4	1	-1602	1605	1605	.	1	989	.	188	1605	.	1
5	C5	1	-2083	2086	2085	-1	1	802	.	240	2085	.	1
6	C6	1	-2410	2413	2414	1	1	917	.	264	2414	.	1
7	C1	2	-399	403	.	.	.	.	.	74	.	.	.
8	C1	3	-768	772	.	.	.	.	.	94	.	.	.
9	C1	4	-767	771	.	.	.	.	.	93	.	.	.
10	C1	5	-779	783	.	.	.	.	.	93	.	.	.
11	C1	6	-783	787	.	.	.	.	.	128	.	.	.
12	C1	7	-805	809	.	.	.	.	.	146	.	.	.
13	C1	8	-815	819	.	.	.	.	.	146	.	.	.
4	C1	9	-841	845	.	.	.	.	.	108	.	.	.
15	C1	10	-845	849	.	.	.	.	.	146	.	.	.
16	C1	11	-864	868	.	.	.	.	.	108	.	.	.
17	C1	12	-868	872	.	.	.	.	.	121	.	.	.
18	C1	13	-888	892	.	.	.	.	.	108	.	.	.
19	C1	14	-891	895	.	.	.	.	.	130	.	.	.
20	C1	15	-895	899	.	.	.	.	.	117	.	.	.
21	C1	16	-912	916	.	.	.	.	.	123	.	.	.
22	C2	2	-953	957	.	.	.	.	.	82	.	.	.
23	C2	3	-966	970	.	.	.	.	.	139	.	.	.
24	C2	4	-977	981	.	.	.	.	.	122	.	.	.
25	C2	5	-994	998	.	.	.	.	.	93	.	.	.
26	C2	6	-1011	1015	.	.	.	.	.	105	.	.	.
27	C2	7	-1007	1011	.	.	.	.	.	162	.	.	.
28	C2	8	-1021	1025	.	.	.	.	.	180	.	.	.
29	C2	9	-1031	1035	.	.	.	.	.	128	.	.	.
30	C2	10	-1047	1051	.	.	.	.	.	127	.	.	.
31	C2	11	-1064	1068	.	.	.	.	.	225	.	.	.
32	C2	12	-1133	1137	.	.	.	.	.	107	.	.	.
33	C2	13	-1152	1156	.	.	.	.	.	115	.	.	.
34	C2	14	-1192	1196	.	.	.	.	.	237	.	.	.
35	C2	15	-1208	1211	.	.	.	.	.	196	.	.	.
36	C2	16	-1214	1217	.	.	.	.	.	196	.	.	.
37	C3	2	-1237	1240	.	.	.	.	.	162	.	.	.
38	C3	3	-1266	1269	.	.	.	.	.	138	.	.	.
39	C3	4	-1304	1307	.	.	.	.	.	163	.	.	.
0	C3	5	-1312	1315	.	.	.	.	.	152	.	.	.
41	C3	6	-1316	1319	.	.	.	.	.	165	.	.	.
42	C3	7	-1337	1340	.	.	.	.	.	138	.	.	.
43	C3	8	-1345	1348	.	.	.	.	.	154	.	.	.
44	C3	9	-1357	1360	.	.	.	.	.	184	.	.	.
45	C3	10	-1373	1376	.	.	.	.	.	109	.	.	.
46	C3	11	-1374	1377	.	.	.	.	.	168	.	.	.

49	C3	14	-1437	1440					204				
50	C3	15	-1436	1439					166				
51	C3	16	-1463	1466					138				
52	C3	17	-1457	1460					198				
53	C3	18	-1461	1464					169				
54	C3	19	-1466	1469					77				
55	C4	2	-1524	1527					248				
56	C4	3	-1548	1551					284				
57	C4	4	-1581	1584					266				
58	C4	5	-1606	1609					178				
59	C4	6	-1614	1617					178				
60	C4	7	-1721	1724					149	1724			1
61	C4	8	-1821	1824					202				
62	C5	2	-1861	1864					202				
63	C5	3							184				
64	C5	4	-1990	1993					149				
65	C5	5							252				
66	C5	6	-2080	2083					228				
67	C5	7	-2102	2105					149				
68	C5	8	-2087	2090					228				
69	C5	9	-2238	2241					149				
70	C6	2	-2323	2326					252				
71	C6	3	-2329	2332					252				
72	C6	4	-2418	2421					252				
73	C6	5	-2884	2887					276				
74	C6	6	-2902	2905					278				
75	C6	7	-3019	3022					276				
76	C7	2	-620	624	623	-1	1	994	112	623			1
77	C7	3	-766	770					99	770			1
78	C7	4	-909	913	913		1	994	82	913			1
79	C7	5	-1222	1226	1226		1	986	172	1225	-1		1
80	C7	6	-1482	1485	1486	1	1	992	330	1485	-1		1
81	C7	7	-1858	1861					212	1861			1
82	C7	8	-1893	1896	1896		1	994	244	1896			1

025392

QUANTITATION REPORT FILE: QH019311A15

DATA: QH019311A15.TI
./27/84 11:11:00
SAMPLE: 1UL #19311 +(5UL 10910 #033) ON #15
SUBMITTED BY: 315 ANALYST: 659

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	*D4-1,4-DICHLOROBENZENE (IS)
2	441 N-NITROSODIMETHYAMINE
3	610 PHENOL
4	473 ANILINE
5	411 BIS(2-CHLOROETHYL)ETHER
6	601 2-CHLOROPHENOL
7	421 1,3-DICHLOROBENZENE
8	422 1,4-DICHLOROBENZENE
9	474 BENZYL ALCOHOL
10	420 1,2-DICHLOROBENZENE
11	620 2-METHYLPHENYL
12	412 BIS(2-CHLOROISOPROPYL)ETHER
13	622 4-METHYLPHENOL
14	442 N-NITROSO-DI-N-PROPYLAMINE
15	436 HEXACHLOROETHANE
16	440 NITROBENZENE
17	*460 D8-NAPHTHALENE (IS)
18	438 ISOPHRONE
19	606 2-NITROPHENOL
20	603 2,4-DIMETHYLPHENOL
21	410 BIS(2-CHLOROETHOXY)METHANE
22	625 BENZOIC ACID
23	602 2,4-DICHLOROPHENOL
24	446 1,2,4-TRICHLOROBENZENE
25	439 NAPHTHALENE
26	475 4-CHLOROANILINE
27	434 HEXACHLOROBUTADIENE
28	608 P-CHLORO-M-CRESOL
29	477 2-METHYLNAPHTHALENE
30	435 HEXACHLOROCYCLOPENTADIENE
31	611 2,4,6-TRICHLOROPHENOL
32	626 2,4,5-TRICHLOROPHENOL
33	*D10-ACENAPHTHENE (IS)
34	416 2-CHLORONAPHTHALENE
35	479 3-NITROANILINE
36	425 DIMETHYLPHTHALATE
37	402 ACENAPHTHYLENE
38	428 2,6-DINITROTOLUENE
39	478 2-NITROANILINE
40	401 ACENAPHTHENE
41	605 2,4-DINITROPHENOL
42	607 4-NITROPHENOL
43	476 DIBENZOFURAN
44	427 2,4-DINITROTOLUENE
45	424 DIETHYLPHTHALATE
46	417 4-CHLOROPHENYL PHENYL ETHER

NO	NAME
47	432 FLUORENE
3	480 4-NITROANILINE
49	604 4,6-DINITRO-O-CRESOL
50	443 DIPHENYLAMINE (N-NITROSO)
51	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE)
52	*467 D10-PHENANTHRENE (IS)
53	414 4-BROMOPHENYL PHENYL ETHER
54	433 HEXACHLOROBENZENE
55	609 PENTACHLOROPHENOL
56	444 PHENANTHRENE
57	403 ANTHRACENE
58	426 DI-N-BUTYLPHTHALATE
59	431 FLUORANTHENE
60	*459 D12-CHRYSENE (IS)
61	445 PYRENE
62	404 BENZIDENE
63	415 BUTYLBENZYLPHTHALATE
64	423 3,3'-DICHLOROBENZIDINE
65	405 BENZO(A)ANTHRACENE
66	413 BIS(2-ETHYLHEXYL)PHTHALATE
67	418 CHRYSENE
68	429 DI-N-OCTYLPHTHALATE
69	*D12-BENZO(A)PYRENE (IS)
70	407 BENZO(B)FLUORANTHENE
71	409 BENZO(K)FLUORANTHENE
72	406 BENZO(A)PYRENE
73	437 INDENO(1,2,3-C,D)PYRENE
4	419 DIBENZO(A,H)ANTHRACENE
75	408 BENZO(G,H,I)PERYLENE
76	619 2-FLUOROPHENOL (SURROGATE)
77	D5-PHENOL (SURROGATE)
78	447 D5-NITROBENZENE (SURROGATE)
79	448 2-FLUOROBIPHENYL (SURROGATE)
80	TRIBROMOPHENOL (SURROGATE)
81	D10-PYRENE (SURROGATE)
82	D14-TERPHENYL (SURROGATE)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	150	816	10:12	1	1.000	A BB	44417.	40.000 NG	4.65
2	NOT FOUND								
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	136	1031	12:53	17	1.000	A BV	93645.	40.000 NG	4.65
18	NOT FOUND								

025694

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
19	NOT	FOUND								
20	NOT	FOUND								
21	NOT	FOUND								
22	NOT	FOUND								
23	NOT	FOUND								
24	NOT	FOUND								
25	NOT	FOUND								
26	NOT	FOUND								
27	NOT	FOUND								
28	NOT	FOUND								
29	NOT	FOUND								
30	NOT	FOUND								
31	NOT	FOUND								
32	NOT	FOUND								
33	164	1343	16:47	33	1.000	A BB	50309.	40.000	NG	4.65
34	NOT	FOUND								
35	NOT	FOUND								
36	NOT	FOUND								
37	NOT	FOUND								
38	NOT	FOUND								
39	NOT	FOUND								
40	NOT	FOUND								
41	NOT	FOUND								
42	NOT	FOUND								
43	NOT	FOUND								
44	NOT	FOUND								
45	149	1433	17:55	33	1.067	A BB	670.	0.299	NG	0.03
46	NOT	FOUND								
47	NOT	FOUND								
48	NOT	FOUND								
49	NOT	FOUND								
50	NOT	FOUND								
51	NOT	FOUND								
52	188	1605	20:04	52	1.000	A BB	86505.	40.000	NG	4.65
53	NOT	FOUND								
54	NOT	FOUND								
55	NOT	FOUND								
56	NOT	FOUND								
57	NOT	FOUND								
58	149	1724	21:33	52	1.074	A BB	1311.	0.362	NG	0.04
59	NOT	FOUND								
60	240	2085	26:04	60	1.000	A BV	56417.	40.000	NG	4.65
61	NOT	FOUND								
62	NOT	FOUND								
63	NOT	FOUND								
64	NOT	FOUND								
65	NOT	FOUND								
66	NOT	FOUND								
67	NOT	FOUND								
68	NOT	FOUND								
69	264	2414	30:10	69	1.000	A BV	52510.	40.000	NG	4.65
70	NOT	FOUND								
71	NOT	FOUND								
72	NOT	FOUND								
73	NOT	FOUND								
74	NOT	FOUND								

025895

NO	M/E NOT FOUND	SCAN FOUND	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
75	112	623	7:47	1	0.763	A BV	87167.	105.238	NG	12.23
77	99	770	9:37	17	0.747	A BV	77908.	81.390	NG	9.46
78	82	913	11:25	17	0.886	A BV	84107.	72.491	NG	8.42
79	172	1225	15:19	17	1.188	A BV	123368.	80.644	NG	9.37
80	330	1485	18:34	33	1.106	A BB	18595.	107.911	NG	12.54
81	212	1861	23:16	60	0.893	A BV	178467.	87.047	NG	10.11
82	244	1896	23:42	52	1.181	A BV	129178.	85.427	NG	9.93

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	10:09	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:59		0.491			50.00		0.583	
3	9:36		0.946			50.00		1.150	
4	9:35		0.945			50.00		1.056	
5	9:44		0.959			50.00		0.955	
6	9:47		0.964			50.00		0.785	
7	10:04		0.991			50.00		0.842	
8	10:11		1.004			50.00		0.898	
9	10:31		1.036			50.00		0.476	
10	10:34		1.041			50.00		0.821	
11	10:48		1.064			50.00		0.688	
12	10:51		1.069			50.00		0.268	
13	11:06		1.094			50.00		0.770	
14	11:08		1.097			50.00		0.150	
15	11:11		1.102			50.00		0.427	
16	11:24		1.123			50.00		0.396	
17	12:50	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
18	11:55		0.928			50.00		0.836	
19	12:04		0.941			50.00		0.197	
20	12:13		0.951			50.00		0.314	
21	12:25		0.968			50.00		0.494	
22	12:38		0.984			250.00		0.200	
23	12:35		0.981			50.00		0.270	
24	12:46		0.994			50.00		0.326	
25	12:53		1.004			50.00		1.079	
26	13:05		1.019			250.00		0.359	
27	13:18		1.036			50.00		0.166	
28	14:10		1.103			50.00		0.424	
29	14:24		1.122			50.00		0.357	
30	14:54		1.161			50.00		0.104	
31	15:06		1.176			50.00		0.228	
32	15:10		1.182			250.00		0.160	
33	16:45	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
34	15:28		0.923			50.00		1.131	
35	15:49		0.945			250.00		0.453	
36	16:18		0.973			50.00		1.414	
37	16:24		0.979			50.00		1.663	
38	16:27		0.982			50.00		0.299	
39	16:43		0.998			250.00		0.036	
40	16:49		1.004			50.00		1.090	
41	16:58		1.013			250.00		0.074	
42	17:10		1.025			125.00		0.198	
43	17:10		1.025			50.00		1.661	
44	17:18		1.033			50.00		0.458	
45	17:52	1.00	1.067	1.00	0.30	50.00	0.011	1.780	
46	17:58		1.072			50.00		0.474	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
47	17:57		1.072			50.00		1.263	
8	18:17		1.092			250.00		0.058	
49	18:13		1.087			250.00		0.157	
50	18:16		1.090			50.00		0.445	
51	18:19		1.094			50.00		1.725	
52	20:01	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
53	19:03		0.951			50.00		0.174	
54	19:21		0.966			50.00		0.211	
55	19:46		0.987			50.00		0.132	
56	20:04		1.002			50.00		0.983	
57	20:10		1.007			50.00		0.927	
58	21:31	1.00	1.074	1.00	0.36	50.00	0.012	1.676	0.01
59	22:46		1.137			50.00		1.113	
60	26:02	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
61	23:16		0.893			50.00		1.579	
62	23:41		0.893			50.00		0.010	
63	24:52		0.955			50.00		0.971	
64	26:34		1.001			50.00		0.035	
65	26:00		0.999			50.00		1.376	
66	26:16		1.009			50.00		1.344	
67	26:05		1.002			50.00		1.177	
68	27:58		1.074			50.00		2.435	
69	30:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
70	29:02		0.964			50.00		1.262	
71	29:07		0.966			50.00		0.901	
72	30:13		1.003			50.00		1.066	
73	36:03		1.197			50.00		0.843	
74	36:16		1.204			50.00		0.780	
75	37:44		1.253			50.00		0.816	
76	7:45	1.00	0.764	1.00	105.24	50.00	1.570	0.746	2.10
77	9:34	1.01	0.746	1.00	81.39	50.00	0.666	0.409	1.63
78	11:22	1.00	0.885	1.00	72.49	50.00	0.719	0.496	1.45
79	15:16	1.00	1.190	1.00	80.64	50.00	1.054	0.653	1.61
80	18:31	1.00	1.106	1.00	107.91	50.00	0.296	0.137	2.16
81	23:13	1.00	0.892	1.00	87.05	50.00	2.531	1.454	1.74
82	23:40	1.00	1.182	1.00	85.43	50.00	1.195	0.699	1.71

025897

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 - 703/557-2490

Sample Number

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Mead CompuChem
Lab Sample ID No.: 19958
Sample Matrix: Solid
Data Release Authorized By:

Case Number: 2333
QC Report No.: 136/353 Blank
Contract No.: 68-01-6762
Date Sample Received:

Associated samples: 19265, 19257, 19266

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2-2-84
DATE ANALYZED: 2-9-84
PERCENT MOISTURE:

Multiply Detection limits by 1 ☐ or 10 ☐ or ☒ ____
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or (ug/kg) (circle one)
(21A)	88-06-2	2,4,6-trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	10U
(31A)	122-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-86-5	pentachlorophenol	20U
(65A)	108-95-2	phenol	10U
	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	10U
	95-95-4	2,4,5-trichlorophenol	100U
(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	10U
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	111-91-1	bis-(2-chloroethoxy)methane	20U

PP#	CAS#		ug/l or (ug/kg) (circle one)
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine LT ~~10U~~ SC	
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	218-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	191-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U
	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

SEMI-VOLATILE LOW SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Lab Name: Mead CompuChem

Lab Sample I.D. No. 19958 ☐ SS ☐ DS ☒ Blank

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/kg)	(Surrogates only) Spike Added (ug/kg)	% Recovery
2-Fluorophenol	SEMIVOA	4400	5000	9%
2,4,6-Tribromophenol	SEMIVOA	150	5000	3
D-Phenol	SEMIVOA	3100	5000	62
D5-Nitrobenzene	SEMIVOA	2150	5000	43
D_{14} P-Terphenyl	SEMIVOA	2750	5000	55
2-Fluorobiphenyl	SEMIVOA	1650	5000	33

025393

ORGANICS ANALYSIS DATA SHEET - Page 4

LAB NAME: MEAD COMP/CHEM

LAB SAMPLE I.D. # 11958

EPA SAMPLE # C0 -

025903

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS

NONE

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	FRACTION	% PURITY	ESTIMATE CONC. (ug/kg) EV
1				FSCC		
2				FSCC		
3				FSCC		
4				FSCC		
5				FSCC		
6				FSCC		
7				FSCC		
8				FSCC		
9				FSCC		
10				FSCC		
11				FSCC		
12				FSCC		
13				FSCC		
14				FSCC		
15				FSCC		
16				FSCC		
17				FSCC		
18				FSCC		
19				FSCC		
20				FSCC		

31

EXTRACTION WORKSHEET
Semi-Volatiles/Miscellaneous

DATE ASSIGNED 2/2/94

ASSIGNED TO: Linda

PAGE ____ OF ____

SAMPLE NUMBER	PREP CODE	CASE #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) B/N	ACID	PEST	TCDD	ADJUSTED PH B/N	A	DATE COMPL	COMMENTS
19051R	128	2358			50.84	1ml	1ml	5ml	5ml	13	2	2/2	emulsion problem
19265R		2333			50.92	0.5	1ml	5ml	5ml	13	2	2/2	
19257R		2333			50.33	0.5	1ml	5ml	5ml	13	2	2/2	
19407R		233C			50.12	1ml	1ml	5ml	5ml	13	2	2/2	
19399R		2330			50.77	0.5	1ml	5ml	5ml	13	2	2/2	
19406R		2330			50.51	0.5	1ml	5ml	5ml	13	2	2/2	
19266R		2333			50.61	0.5	1ml	5ml	5ml	13	2	2/2	
19651R[2]		2331			50.00	0.5	1ml	5ml	5ml	13	2	2/2	
19958			B		50.00	0.5	1ml	5ml	5ml	13	2	2/2	

		S-Vol	Acid	B/N	Pest.	TCDD	Other
SURROGATE	NO.	382			368	364	
	AMT.	500 uL			500 uL	1000 uL	
	LOT	10954			10934		
SPIKE	NO.						
	AMT.						
	LOT						
INTERNAL STANDARD	NO.						
	AMT.						
	LOT						

MANUAL COUNTER 136/355

№ 2195

(1)

COMPUCHEM NO. _____ DATE _____ 1 OF 3

COMPOUND LIST NO. _____

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE	x CORRECTION FACTOR x	= RESULTS (ug/kg)	DET. LIMIT (ug/kg)
2	441	N-NITROSODIMETHYLAMINE		40	BJC	10
3	610	PHENOL				10
4	473	ANILINE				10
5	411	BIS(2-CHLORDETHYL)ETHER				10
6	601	2-CHLOROPHENOL				10
7	421	1,3-DICHLOROBENZENE				10
8	422	1,4-DICHLOROBENZENE				10
9	474	BENZYL ALCOHOL				20
10	420	1,2-DICHLOROBENZENE.....				10
11	620	2-METHYLPHENOL				10
12	412	BIS(2-CHLOROISOPROPYL)ETHER				20
13	622	4-METHYLPHENOL				10
14	442	N-NITROSO-DI-N-PROPYLAMINE .				20
15	436	HEXACHLOROETHANE				10
16	440	NITROBENZENE				10
18	438	ISOPHORONE				10
19	606	2-NITROPHENOL				20
20	603	2,4-DIMETHYLPHENOL				10
21	410	BIS(2-CHLOROETHOXY)METHANE .				20
22	625	BENZOIC ACID				100
23	602	2,4-DICHLOROPHENOL				10
24	446	1,2,4-TRICHLOROBENZENE				10
25	439	NAPHTHALENE				10
26	475	4-CHLOROANILINE				50
27	434	HEXACHLOROBUTADIENE				10
28	608	P-CHLORO-M-CRESOL				20
29	477	2-METHYLNAPTHALENE				20
30	435	HEXACHLORDCYCLOPENTADIENE ..				10
31	611	2,4,6-TRICHLOROPHENOL.....				10
32	626	2,4,5-TRICHLOROPHENOL				100
34	416	2-CHLORONAPHTHALENE				10
35	479	3-NITROANILINE				100
36	425	DIMETHYLPHTHALATE				10
37	402	ACENAPHTHYLENE				10
38	428	2,6-DINITROTOLUENE				20

PLEASE COMPLETE CORRECTION FACTOR CALCULATIONS ON THIRD SHEET OF THE COMPOUND LIST!!!

00025902

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE	x	CORRECTION FACTOR	=	RESULTS (ug/kg)	DET LIM (ug/kg
39	478	2-NITROANILINE			1.0			100
40	401	ACENAPHTHENE						10
41	605	2,4-DINITROPHENOL						50
42	607	4-NITROPHENOL						100
43	476	DIBENZOFURAN						10
44	427	2,4-DINITROTOLUENE						20
45	424	DIETHYLPHTHALATE						10
46	417	4-CHLOROPHENYL PHENYL ETHER						10
47	432	FLUORENE						10
48	480	4-NITROANILINE						100
49	604	4,6-DINITRO-O-CRESOL						20
50	443	DIPHENYLAMINE (N-NITROSO)	6.1				LT	10
51	430	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)						20
53	414	4-BROMOPHENYL PHENYL ETHER						10
54	433	HEXACHLOROBENZENE						10
55	609	PENTACHLOROPHENOL						20
56	444	PHENANTHRENE						10 x
57	403	ANTHRACENE						10
58	426	DI-N-BUTYLPHTHALATE						10
59	431	FLUORANTHENE						10
61	445	PYRENE						10
62	404	BENZIDINE						40
63	415	BUTYLBENZYLPHTHALATE						10
64	423	3,3'-DICHLOROBENZIDINE						20
65	405	BENZO(A)ANTHRACENE						10
66	413	BIS(2-ETHYLHEXYL)PHTHALATE						10
67	418	CHRYSENE						10
68	429	DI-N-OCTYLPHTHALATE						10
70	407	BENZO(B)FLUORANTHENE						20
71	409	BENZO(K)FLUORANTHENE						20
72	406	BENZO(A)PYRENE						20
73	437	INDENO(1,2,3-C,D)PYRENE						20
74	419	DIBENZO(A,H)ANTHRACENE						20
75	408	BENZO(G,H,I)PERYLENE						20

(See calculations and surrogates on back)

00025903

COMPOUND LIST NO. _____ COMPUCHEM NO. _____ DATE _____

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COMPOUND NUMBER	SURROGATE COMPOUNDS		QUANT. REPORT VALUE	QUANT. REPORT AMOUNT SPIKED	x		% †† RECOVERY	ACCEPTABLE RANGE
619	2-FLUOROPHENOL	127	120	125 ÷		102	96	(26-116)
612	D_5-PHENOL	89	78	125 ÷		71	62	(10-104)
447	D_5-NITROBENZENE	73	54	125 ÷		55	43	(19-115)
448	2-FLUOROBIPHENYL	50	41	125 ÷		40	33	(17-125)
628	TRIBROMOPHENOL	153	3.3	125 ÷		105	2.60	(32-124)*
471	D_{10}-PYRENE	114	6.4	125 ÷		91	51	(NA)
496	D_{14}-TERPHENYL	85	69	125 ÷		65	55	(34-126)*

GM GM

†† % Recovery = $\frac{\text{Quant. Report Value}}{\text{Quant. Report Amount Spiked}} \times 100\%$

CORRECTION FACTOR CALCULATION:

$$\frac{\text{Final extraction volume(ml)}}{\text{1ml for Acid, 0.5ml for BN}} \times \frac{50\text{ g}}{\text{Wet Weight Extracted (g)}} \times \text{Dilution Factor} \times \text{Dry Weight Factor} \times 40 =$$

$$\frac{1.0\ \ 0.5\text{ (ml)}}{\text{1.0 and 0.5 ml}} \times \frac{50\text{ g}}{50\text{ (g)}} \times \frac{1}{} \times \frac{1}{} \times 40 = \boxed{40^*}$$

QUANT. REPORT AMOUNT SPIKED CONVERSION FACTOR:

$$\frac{250\text{ ul}}{\text{Amount Surrogate Added (ul)}} \times \frac{\text{Final Extract Vol. (ml)}}{\text{1ml for Acid, 0.5ml for BN}} \times \text{Dilution Factor} =$$

$$\frac{250\text{ ul}}{\text{(ul)}} \times \frac{\text{(ml)}}{\text{1.0 and 0.5ml}} \times \frac{1}{} = \boxed{1^{\dagger\dagger}}$$

*For Advisory Purposes Only

JRT 025904

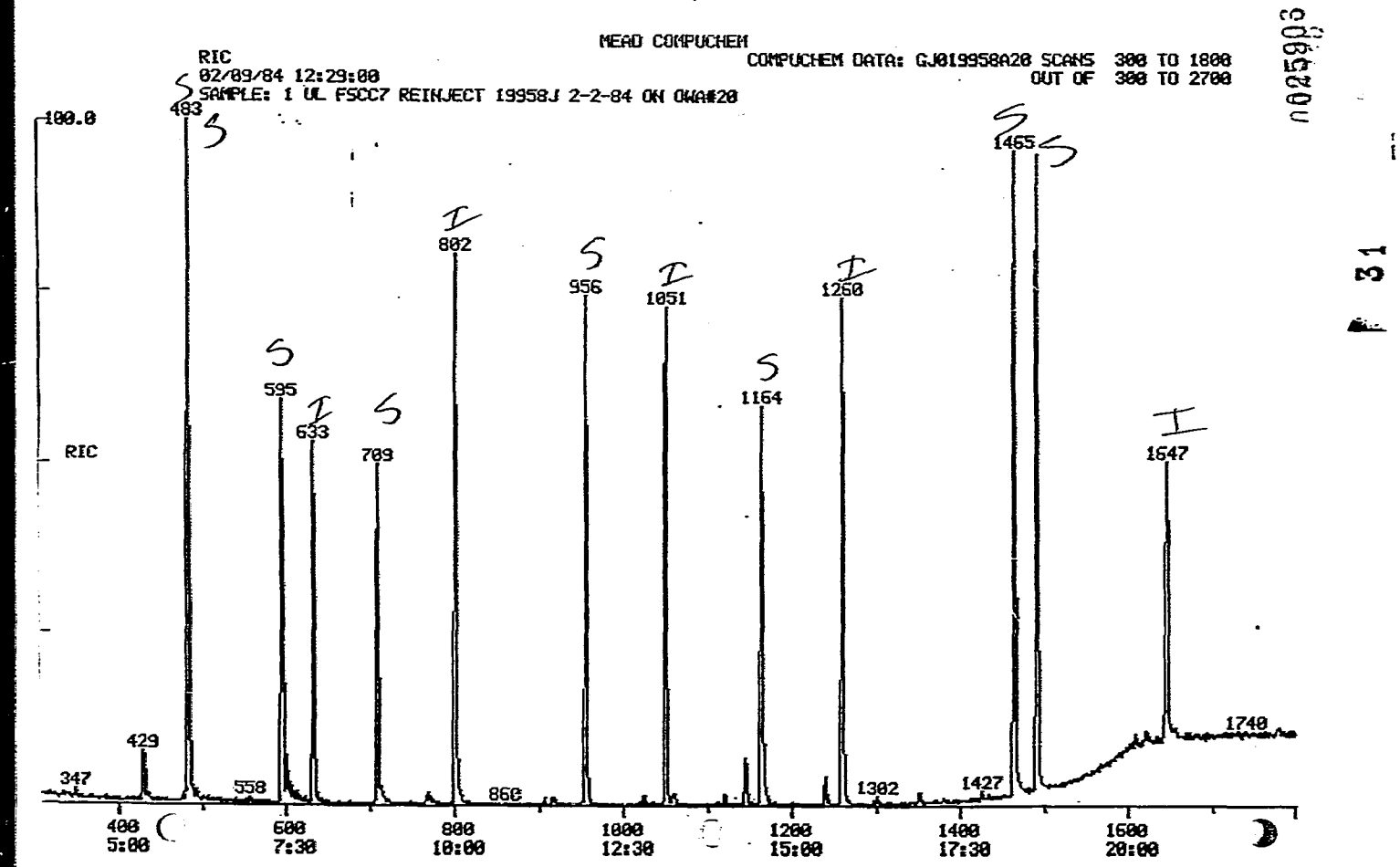
MISCELLANEOUS CALCULATIONS

Sample 19958 J

Calculated by MB

Calculation Employed:

COMPOUND	RESPONSE FACTOR	CALCULATION
76 pf1	0.776	$\frac{235,071 \times 40}{81,430 \times 0.776} = 149$
77 pf17	0.360	$\frac{161,196 \times 40}{230,072 \times 0.360} = 78$
78 pf17	0.414	$\frac{122,799 \times 40}{230,072 \times 0.360\ .414} = 54$
79 pf17	0.577	$\frac{136,647 \times 40}{230,072 \times 0.360\ .577} = 41$
80 pf33	0.144	$\frac{134.8 \times 40}{114,074 \times 0.144} = 3.3$
76 pf17	$\frac{63,161 \times 40}{149,609 \times 50} = 0.338$	$\frac{235,071 \times 40}{230,072 \times 0.338} = 121$
		025905


MEAD COMPUCHEM
COMPUCHEM DATA: GJ019958A20 SCANS 300 TO 1800
OUT OF 300 TO 2700
RIC
02/09/84 12:29:00
SAMPLE: 1 UL FSCC7 REINJECT 19958J 2-2-84 ON OWA#20
100.0
RIC
483
595
633
709
802
956
1051
1164
1250
1465
1647
347
429
558
860
1302
1427
1740
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00
1400
17:30
1600
20:00

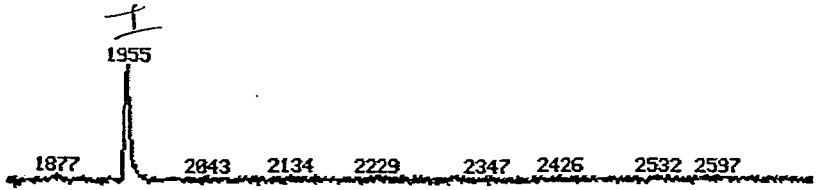
MEAD COMPUCHEM

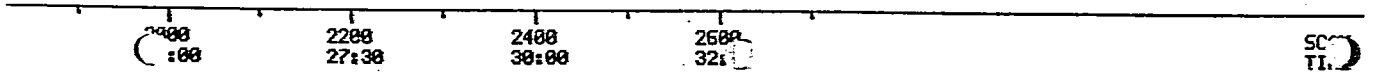
RIC
02/03/84 12:29:00
SAMPLE: 1 UL FSCC7 REINJECT 19958J 2-2-84 ON OWA#20

COMPUCHEM DATA: GJ019958A20 SCANS 1800 TO 2700
OUT OF 300 TO 2700

2780

31





PROCEDURE: RR DIAGNOSTIC REPORT 2/07/84 13:08:03

DATA FILE: GJ019758A20
REFERENCE: FSCC7
METHOD: FSCC7 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: FSCC7S1

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES - STANDARD/UNKNOWN
4	4	1	59	52	4	1	59	FSCC7S1/FSCC7U1
2	2	1	0	30	3	1	82	FSCC7S2/FSCC7U2

82 COMPOUNDS PROCESSED, 7 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SAT FIT	SAT PEAKS	CHRO M/E	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	C1	1	-642	633	633	.	1	969		150	633	.	1
2	C2	1	-811	802	802	.	1	982	-1	136	802	.	1
3	C3	1	-1059	1050	1051	1	1	987	.	164	1051	.	1
4	C4	1	-1269	1260	1260	.	1	973	.	188	1260	.	1
5	C1	2	-325	316	.	.	.	.	.	74	.	.	.
6	C1	3	-606	597	.	.	.	.	.	94	597	.	1
7	C1	4	-608	599	.	.	.	.	.	93	.	.	.
8	C1	5	-615	606	.	.	.	.	.	93	.	.	.
9	C1	6	-619	610	.	.	.	.	.	128	.	.	.
10	C1	7	-637	628	.	.	.	.	.	146	.	.	.
11	C1	8	-644	635	.	.	.	.	.	146	.	.	.
12	C1	9	-664	655	.	.	.	.	.	108	.	.	.
13	C1	10	-668	659	.	.	.	.	.	146	.	.	.
14	C1	11	-680	671	.	.	.	.	.	108	.	.	.
15	C1	12	-685	676	.	.	.	.	.	121	.	.	.
16	C1	13	-699	690	.	.	.	.	.	108	.	.	.
17	C1	14	-703	694	.	.	.	.	.	130	.	.	.
18	C1	15	-708	699	.	.	.	.	.	117	.	.	.
19	C1	16	-720	711	.	.	.	.	.	123	.	.	.
20	C2	2	-751	742	.	.	.	.	.	82	744	.	1
21	C2	3	-762	753	.	.	.	.	.	139	.	.	.
22	C2	4	-769	760	.	.	.	.	.	122	.	.	.
23	C2	5	-782	773	.	.	.	.	.	93	.	.	.
24	C2	6	-791	782	.	.	.	.	.	105	781	.	2
25	C2	7	-793	784	.	.	.	.	.	162	.	.	.
26	C2	8	-805	796	.	.	.	.	.	180	.	.	.
27	C2	9	-813	804	.	.	.	.	.	128	.	.	.
28	C2	10	-825	816	.	.	.	.	.	127	818	.	1
29	C2	11	-839	830	.	.	.	.	.	225	.	.	.
30	C2	12	-892	883	.	.	.	.	.	107	.	.	.
31	C2	13	-909	900	.	.	.	.	.	115	.	.	.
32	C2	14	-941	932	.	.	.	.	.	237	.	.	.
33	C2	15	-953	944	.	.	.	.	.	196	.	.	.
34	C2	16	-958	949	.	.	.	.	.	196	952	.	1
35	C3	2	-978	969	.	.	.	.	.	162	.	.	.
36	C3	3	-999	990	.	.	.	.	.	138	.	.	.
37	C3	4	-1029	1020	.	.	.	.	.	163	1020	.	1
38	C3	5	-1037	1028	.	.	.	.	.	152	.	.	.
39	C3	6	-1039	1030	.	.	.	.	.	165	.	.	.
40	C3	7	-1058	1049	.	.	.	.	.	138	.	.	.
41	C3	8	-1064	1055	.	.	.	.	.	154	.	.	.
42	C3	9	-1072	1063	.	.	.	.	.	184	.	.	.
43	C3	10	-1081	1072	.	.	.	.	.	109	.	.	.
44	C3	11	-1086	1077	.	.	.	.	.	168	.	.	.
45	C3	12	-1093	1084	.	.	.	.	.	165	.	.	.
46	C3	13	-1130	1121	.	.	.	.	.	149	1120	.	1
47	C3	14	-1136	1127	.	.	.	.	.	204	.	.	.
48	C3	15	-1135	1126	.	.	.	.	.	166	.	.	.
49	C3	16	-1146	1137	.	.	.	.	.	138	1140	.	2
50	C3	17	-1151	1142	.	.	.	.	.	198	.	.	.

52	C5	17	-1265	1178	.	.	.	.	.	77	.	.	.
53	C5	1	-1651	1647	1647	.	1	947	.	240	1646	-1	1
54	C6	1	-1954	1955	1955	.	1	951	.	264	1955	.	1
55	C4	2	-1205	1196	.	.	.	.	.	248	.	.	.
56	C4	3	-1225	1216	.	.	.	.	.	284	.	.	.
57	C4	4	-1251	1242	.	.	.	.	.	266	.	.	.
58	C4	5	-1272	1264	.	.	.	.	.	178	1263	.	1
59	C4	6	-1278	1270	.	.	.	.	.	178	1270	.	1
60	C4	7	-1361	1354	.	.	.	.	.	149	1353	.	1
61	C4	8	-1442	1436	.	.	.	.	.	202	1435	.	1
62	C5	2	-1474	1468	.	.	.	.	.	202	1467	.	1
63	C5	3	-1498	1493	.	.	.	.	.	184	1492	.	1
64	C5	4	-1573	1569	.	.	.	.	.	149	1568	.	1
65	C5	5	-1647	1644	.	.	.	.	.	252	.	.	.
66	C5	6	-1648	1645	.	.	.	.	.	228	1643	.	2
67	C5	7	-1661	1658	.	.	.	.	.	149	1657	.	1
68	C5	8	-1655	1652	.	.	.	.	.	228	1650	.	1
69	C5	9	-1782	1780	.	.	.	.	.	149	1780	.	1
70	C6	2	-1871	1871	.	.	.	.	.	252	1870	.	1
71	C6	3	-1877	1877	.	.	.	.	.	252	1877	.	1
72	C6	4	-1962	1963	.	.	.	.	.	252	1961	.	1
73	C6	5	-2390	2397	.	.	.	.	.	276	2399	.	3
74	C6	6	-2406	2413	.	.	.	.	.	278	2414	.	2
75	C6	7	-2518	2526	.	.	.	.	.	276	2524	.	3
76	C7	2	-489	470	.	.	.	.	.	112	.	.	.
77	C7	3	-603	585	.	.	.	.	.	99	.	.	.
78	C7	4	-718	702	.	.	.	.	.	82	.	.	.
79	C7	5	-965	952	.	.	.	.	.	172	.	.	.
80	C7	6	-1172	1162	.	.	.	.	.	330	.	.	.
81	C7	7	-1471	1465	.	.	.	.	-1	212	1465	.	1
82	C7	8	-1497	1492	1492	.	1	980	.	244	1492	.	1

QUANTITATION REPORT FILE: GJ01995BA20

DATA: GJ01995BA20.TI
02/09/84 12:29:00
SAMPLE: 1 UL FSCC7 REINJECT 1995BJ 2-2-84 ON OWA#20
SUBMITTED BY: 20 ANALYST: 740

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	*D4-1,4-DICHLOROBENZENE (IS)
2	441 N-NITROSODIMETHYAMINE
3	610 PHENOL
4	473 ANILINE
5	411 BIS(2-CHLOROETHYL)ETHER
6	601 2-CHLOROPHENOL
7	421 1,3-DICHLOROBENZENE
8	422 1,4-DICHLOROBENZENE
9	474 BENZYL ALCOHOL
10	420 1,2-DICHLOROBENZENE
11	620 2-METHYLPHENYL
12	412 BIS(2-CHLOROISOPROPYL)ETHER
13	622 4-METHYLPHENOL
14	442 N-NITROSO-DI-N-PROPYLAMINE
15	436 HEXACHLOROETHANE
16	440 NITROBENZENE
17	*460 D8-NAPHTHALENE (IS)
18	438 ISOPHRONE
19	606 2-NITROPHENOL
20	603 2,4-DIMETHYLPHENOL
21	410 BIS(2-CHLOROETHOXY)METHANE
22	625 BENZOIC ACID
23	602 2,4-DICHLOROPHENOL
24	446 1,2,4-TRICHLOROBENZENE
25	439 NAPHTHALENE
26	475 4-CHLOROANILINE
27	434 HEXACHLOROBUTADIENE
28	608 P-CHLORO-M-CRESOL
29	477 2-METHYLNAPHTHALENE
30	435 HEXACHLOROCYCLOPENTADIENE
31	611 2,4,6-TRICHLOROPHENOL
32	626 2,4,5-TRICHLOROPHENOL
33	*D10-ACENAPHTHENE (IS)
34	416 2-CHLORONAPHTHALENE
35	479 3-NITROANILINE
36	425 DIMETHYLPHTHALATE
37	402 ACENAPHTHYLENE
38	428 2,6-DINITROTOLUENE
39	478 2-NITROANILINE
40	401 ACENAPHTHENE
41	605 2,4-DINITROPHENOL
42	607 4-NITROPHENOL
43	476 DIBENZOFURAN
44	427 2,4-DINITROTOLUENE
45	424 DIETHYLPHTHALATE
46	417 4-CHLOROPHENYL PHENYL ETHER

00025910

NO	NAME
47	432 FLUORENE
48	480 4-NITROANILINE
49	604 4,6-DINITRO-O-CRESOL
50	443 DIPHENYLAMINE (N-NITROSO)
51	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE)
52	*467 D10-PHENANTHRENE (IS)
53	414 4-BROMOPHENYL PHENYL ETHER
54	433 HEXACHLOROBENZENE
55	609 PENTACHLOROPHENOL
56	444 PHENANTHRENE
57	403 ANTHRACENE
58	426 DI-N-BUTYLPHTHALATE
59	431 FLUORANTHENE
60	*459 D12-CHRYSENE (IS)
61	445 PYRENE
62	404 BENZIDENE
63	415 BUTYLBENZYLPHTHALATE
64	423 3,3'-DICHLOROBENZIDINE
65	405 BENZO(A)ANTHRACENE
66	413 BIS(2-ETHYLHEXYL)PHTHALATE
67	418 CHRYSENE
68	429 DI-N-OCTYLPHTHALATE
69	*D12-BENZO(A)PYRENE (IS)
70	407 BENZO(B)FLUORANTHENE
71	409 BENZO(K)FLUORANTHENE
72	406 BENZO(A)PYRENE
73	437 INDENO(1,2,3-C,D)PYRENE
74	419 DIBENZO(A,H)ANTHRACENE
75	408 BENZO(G,H,I)PERYLENE
76	619 2-FLUOROPHENOL (SURROGATE)
77	D5-PHENOL (SURROGATE)
78	447 D5-NITROBENZENE (SURROGATE)
79	448 2-FLUOROBIPHENYL (SURROGATE)
80	TRIBROMOPHENOL (SURROGATE)
81	D10-PYRENE (SURROGATE)
82	D14-TERPHENYL (SURROGATE)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	150	633	7:55	1	1.000	A BV	81430.	40.000 NG	8.80
2	NOT FOUND								
3	94	597	7:28	1	0.943	A BB	1435.	0.773 NG	0.17
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	136	802	10:01	17	1.000	A BV	230072.	40.000 NG	8.80
	82	744	9:18	17	0.928	A BB	364.	0.109 NG	0.02

025911

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	105	781	9:46	17	0.974	A*VV	1292.	0.769 NG	0.17
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	127	818	10:13	17	1.020	A BV	1251.	0.578 NG	0.13
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	196	952	11:54	17	1.187	A BB	838.	1.073 NG	0.24
33	164	1051	13:08	33	1.000	A BV	114074.	40.000 NG	8.80
34	NOT FOUND								
35	NOT FOUND								
36	164	1020	12:45	33	0.971	A BB	1205.	0.326 NG	0.07
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	149	1120	14:00	33	1.066	A BB	3537.	0.923 NG	0.20
46	NOT FOUND								
47	NOT FOUND								
48	138	1140	14:15	33	1.085	A*BB	470.	0.576 NG	0.13
49	NOT FOUND								
50	169	1145	14:19	33	1.089	A BB	15864.	6.090 NG	1.34
51	NOT FOUND								
52	188	1260	15:45	52	1.000	A BV	184721.	40.000 NG	8.80
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	178	1263	15:47	52	1.002	A BB	977.	0.191 NG	0.04
57	178	1270	15:52	52	1.008	A BB	943.	0.189 NG	0.04
58	149	1353	16:55	52	1.074	A BB	8670.	1.396 NG	0.31
59	202	1435	17:56	52	1.139	A BB	1604.	0.340 NG	0.07
60	240	1646	20:34	60	1.000	A BB	104787.	40.000 NG	8.80
61	202	1467	18:20	60	0.891	A BB	2128.	0.461 NG	0.10
62	184	1492	18:39	60	0.906	A BB	2424.	57.466 NG	12.65
63	149	1568	19:36	60	0.953	A BB	3057.	1.395 NG	0.31
64	NOT FOUND								
65	228	1643	20:32	60	0.998	A*BV	2562.	0.744 NG	0.16
66	149	1657	20:43	60	1.007	A VB	3721.	1.216 NG	0.27
67	228	1650	20:37	60	1.002	A VB	2082.	0.637 NG	0.14
68	149	1780	22:15	60	1.081	A BB	5412.	1.084 NG	0.24
69	264	1955	24:26	69	1.000	A BV	75261.	40.000 NG	8.80
70	252	1870	23:22	69	0.957	A BV	2400.	1.026 NG	0.23
71	252	1877	23:28	69	0.960	A VB	2159.	1.158 NG	0.25
72	252	1961	24:31	69	1.003	A BB	2041.	1.028 NG	0.23
73	276	2399	29:59	69	1.227	A*BV	885.	0.667 NG	0.15
74	278	2414	30:10	69	1.235	A*BV	1015.	0.809 NG	0.18

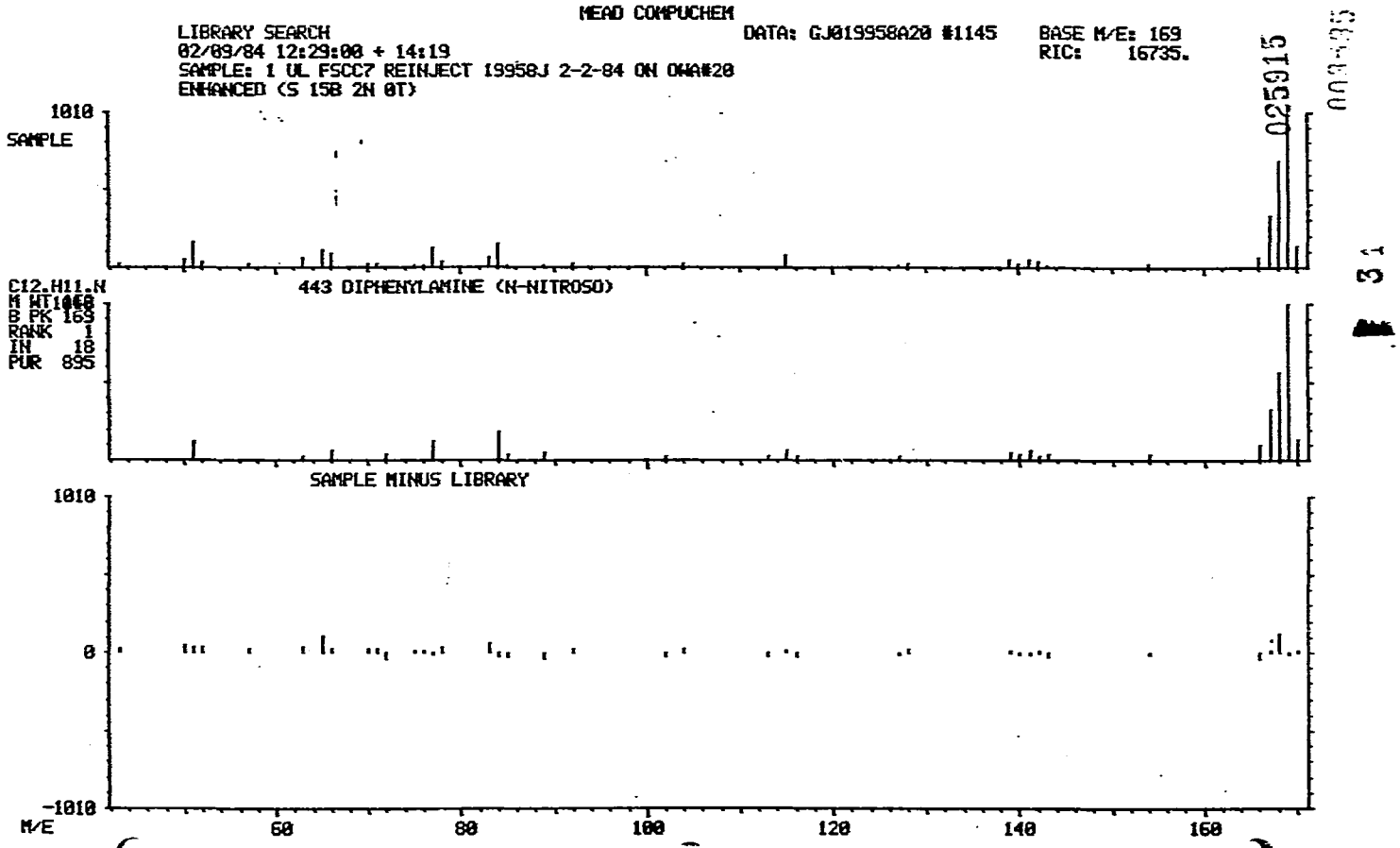
025912

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
75	276	2524	31:33	69	1.291	A*VB	1061.	0.902	NG	0.20
76	NOT FOUND									
77	NOT FOUND									
78	NOT FOUND									
79	NOT FOUND									
80	NOT FOUND									
81	212	1465	18:19	60	0.890	A BV	260318.	63.776	NG	14.03
82	244	1492	18:39	52	1.184	A BV	209955.	68.805	NG	15.14

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	8:01	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:04		0.506			50.00		0.382	
3	7:34	0.99	0.944	1.00	0.77	50.00	0.014	0.911	0.02
4	7:36		0.947			50.00		-1.069	
5	7:41		0.958			50.00		0.842	
6	7:44		0.964			50.00		1.042	
7	7:58		0.992			50.00		1.137	
8	8:03		1.003			50.00		1.213	
9	8:18		1.034			50.00		0.534	
10	8:21		1.040			50.00		0.887	
11	8:30		1.059			50.00		0.698	
12	8:34		1.067			50.00		0.322	
13	8:44		1.089			50.00		0.970	
14	8:47		1.095			50.00		0.171	
15	8:51		1.103			50.00		0.441	
16	9:00		1.121			50.00		0.478	
17	10:08	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
18	9:23	0.99	0.926	1.00	0.11	50.00	0.001	0.580	0.00
19	9:31		0.940			50.00		0.186	
20	9:37		0.948			50.00		0.340	
21	9:46		0.964			50.00		0.448	
22	9:53	0.99	0.975	1.00	0.77	249.99	0.001	0.292	0.00
23	9:55		0.978			50.00		0.276	
24	10:04		0.993			50.00		0.297	
25	10:10		1.002			50.00		1.087	
26	10:19	0.99	1.017	1.00	0.58	249.99	0.001	0.376	0.00
27	10:29		1.035			50.00		0.153	
28	11:03		1.100			50.00		0.354	
29	11:22		1.131			50.00		0.275	
30	11:46		1.160			50.00		0.094	
31	11:55		1.175			50.00		0.029	
32	11:58	0.99	1.181	1.00	1.07	250.00	0.001	0.136	0.00
33	13:14	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
34	12:13		0.924			50.00		1.109	
35	12:29		0.943			249.99		0.445	
36	12:52	0.99	0.972	1.00	0.33	50.00	0.008	1.297	0.01
37	12:58		0.979			50.00		1.889	
38	12:59		0.981			50.00		0.292	
39	13:13		0.999			249.99		0.353	
40	13:18		1.005			50.00		1.171	
41	13:24		1.012			249.99		0.098	
42	13:31		1.021			125.00		0.164	
43	13:34		1.025			50.00		1.604	
44	13:40		1.032			50.00		0.413	
45	14:07	0.99	1.067	1.00	0.92	50.00	0.025	1.343	0.02
46	14:12		1.073			50.00		0.506	

025913

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
47	14:11		1.072			50.00		1.256	
48	14:19	0.99	1.082	1.00	0.58	249.99	0.001	0.286	0.00
49	14:23		1.087			249.99		0.162	
50	14:25	0.99	1.090	1.00	6.09	50.00	0.111	0.913	0.12
	15:04		1.138			50.00		0.273	
52	15:52	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
53	15:04		0.950			50.00		0.175	
54	15:19		0.965			50.00		0.217	
55	15:38		0.986			50.00		0.123	
56	15:54	0.99	1.002	1.00	0.19	50.00	0.004	1.106	0.00
57	15:58	0.99	1.007	1.00	0.19	50.00	0.004	1.078	0.00
58	17:01	0.99	1.072	1.00	1.40	50.00	0.038	1.345	0.03
59	18:01	1.00	1.136	1.00	0.34	50.00	0.007	1.021	0.01
60	20:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
61	18:25	1.00	0.893	1.00	0.46	50.00	0.016	1.764	0.01
62	18:43	1.00	0.907	1.00	57.47	50.00	0.019	0.016	1.15
63	19:40	1.00	0.953	1.00	1.39	50.00	0.023	0.837	0.03
64	20:35		0.998			50.00		0.337	
65	20:36	1.00	0.998	1.00	0.74	50.00	0.020	1.314	0.01
66	20:46	1.00	1.006	1.00	1.22	50.00	0.028	1.168	0.02
67	20:41	1.00	1.002	1.00	0.64	50.00	0.016	1.248	0.01
68	22:16	1.00	1.079	1.00	1.08	50.00	0.041	1.906	0.02
69	24:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
70	23:23	1.00	0.958	1.00	1.03	50.00	0.026	1.244	0.02
71	23:28	1.00	0.961	1.00	1.16	50.00	0.023	0.991	0.02
72	24:31	1.00	1.004	1.00	1.03	50.00	0.022	1.055	0.02
73	29:52	1.00	1.223	1.00	0.67	50.00	0.009	0.705	0.01
74	30:04	1.00	1.231	1.00	0.81	50.00	0.011	0.667	0.02
75	31:28	1.00	1.289	1.00	0.90	50.00	0.011	0.625	0.02
76	6:07		0.762			50.00		0.776	
77	7:32		0.744			50.00		0.360	
78	8:58		0.885			50.00		0.414	
79	12:04		1.190			50.00		0.577	
80	14:39		1.107			50.00		0.144	
81	18:23	1.00	0.891	1.00	63.78	50.00	1.987	1.558	1.28
82	18:43	1.00	1.180	1.00	68.80	50.00	0.909	0.661	1.38

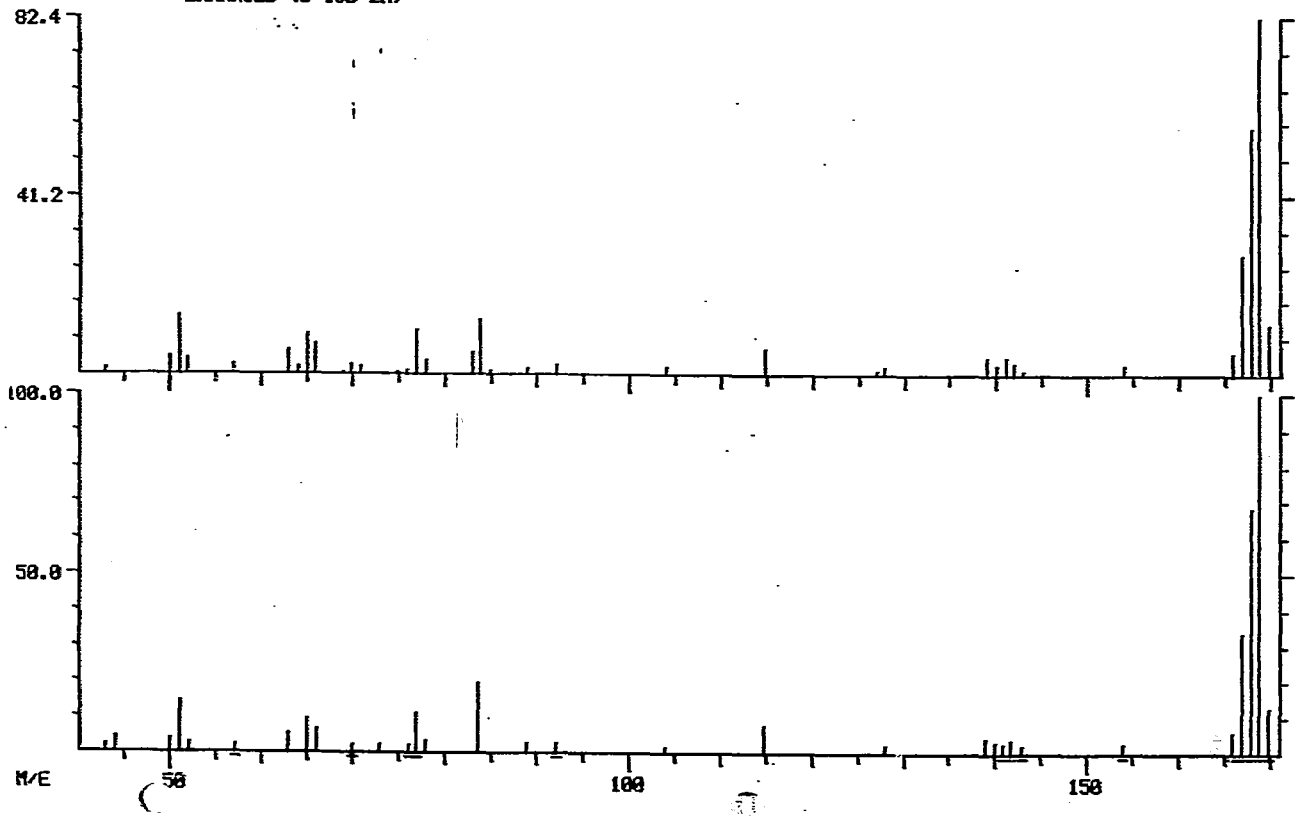

MEAD COMPUCHEM
LIBRARY SEARCH
02/09/84 12:29:00 + 14:19
SAMPLE: 1 UL FSCC7 REINJECT 19958J 2-2-84 ON DNA#20
ENHANCED (S 15B 2N 0T)
DATA: GJ019958A20 #1145
BASE M/E: 169
RIC: 16735.
025915
1010
SAMPLE
C12.H11.N
M WT1668
B PK 169
RANK 1
IN 18
PUR 895
443 DIPHENYLAMINE (N-NITROSO)
SAMPLE MINUS LIBRARY
1010
0
-1010
M/E
60
80
100
120
140
160

443

MEAD COMPUCHEM

DUAL MASS SPECTRUM
02/09/84 12:29:00 + 14:19
SAMPLE: 1 UL FSCC7 REINJECT 19958J 2-2-84 ON OWA#20
ENHANCED (S 15B 2N)

DATA: GJ019958A20 #1145 BASE M/E: 169/ 169
RIC: 16863./ 19515.



0025918

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G

PESTICIDE LOW SOLID
ORGANICS ANALYSIS DATA SHEET - Page 3

Lab Name: Mead CompuChem

Lab Sample I.D. No. 19317 ☐ SS ☐ DS ☒ Blank

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/kg)	(Surrogates only) Spike Added (ug/kg)	(Surrogates only) % Recover.
Dibutychlorpendate	PESTICIDE	575	25	23

025913

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

SAMPLE NUMBER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CompuChem
Lab Sample ID No: 19317
Sample Matrix: Solid
Date Release Authorized By:

Case Number 2333
QC Report No. 136/338 Board
Contract No.: 68-01-6782
Date Sample Received:

VOLATILES

CONCENTRATION: LOW MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples

Multiply Detection limits by 1 ☐ or ☐
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	50U
(3V)	107-13-1	acrylonitrile	50U
(4V)	71-43-2	benzene	2.5U
(6V)	56-23-5	carbon tetrachloride	2.5U
(7V)	108-90-7	chlorobenzene	2.5U
(10V)	107-06-2	1,2-dichloroethane	2.5U
(11V)	71-55-6	1,1,1-trichloroethane	2.5U
(13V)	75-34-3	1,1-dichloroethane	2.5U
(14V)	79-00-5	1,1,2-trichloroethane	2.5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	2.5U
(16V)	75-00-3	chloroethane	2.5U
(19V)	110-75-8	2-chloroethylvinyl ether	2.5U
(23V)	67-66-3	chloroform	2.5U
(29V)	75-35-4	1,1-dichloroethene	2.5U
(30V)	156-60-5	1,2-trans-dichloroethene	2.5U
(32V)	78-87-5	1,2-dichloropropane	2.5U
(33V)	10061-02-6	trans-1,3-dichloropropene	2.5U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	2.5U
(44V)	75-09-2	methylene chloride	2.5U
(45V)	74-87-3	chloromethane	2.5U
(46V)	74-83-9	bromomethane	2.5U
(47V)	75-25-2	bromoform	2.5U
(48V)	75-27-4	bromodichloromethane	2.5U
(49V)	75-69-4	fluorotrichloromethane	2.5U
(51V)	124-48-1	chlorodibromomethane	2.5U
(85V)	127-18-4	tetrachloroethene	2.5U
(86V)	108-88-3	toluene	2.5U
(87V)	79-01-6	trichloroethene	2.5U
(88V)	75-01-4	vinyl chloride	2.5U
	67-64-1	acetone	50U
	78-93-3	2-butanone	100U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	50U
	108-10-1	4-methyl-2-pentanone	50U
	100-42-5	styrene	2.5U
	108-05-4	vinyl acetate	5U
	95-47-6	o-xylene	2.5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 1-31-84
DATE ANALYZED: 2-1-84
PERCENT MOISTURE:
Associated samples 19257, 19264-69

Multiply Detection limits by 1 ☒ or ☐
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-1	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples: _____ ug/g or ug/kg (circle one)

(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

July, 1983

025913

Pesticide/Herbicide

Dr Cathy F and Susan L

ASSIGNED TO: [illegible]

DATE ASSIGNED [illegible]

PAGE 1 OF 2

SAMPLE NUMBER	PREP CODE	CASE #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) B/N	ACID	PEST	TCDD	FLORISIL START VOL	FINAL VOLUME I	II	III	COMB INIT*	FINAL **	COMPT. DATE	COMMENTS
19260 / 19261	[illegible]	2333	SS	H269	[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	CF SD
19261 / 19263	[illegible]	2333	SS	[illegible]	50.4	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	CF SD
19257	[illegible]	2333			50.0	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	
19264	[illegible]	2333			25.4	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	CF SD
19265	[illegible]	2333			50.59	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	
19266	[illegible]	2333			50.42	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	CF SD
19267	[illegible]	2333			50.21	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	CF SD
19268	[illegible]	2333			50.35	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	
19269	[illegible]	2333			50.28	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	CF SD
19317			B		[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	

		S-Vol	Acid	B/N	Pest.	TCDD	Other
SURROGATE	NO.	382			3605	3604	
	AMT.	250ul			250ul	200ul	
	LOT	10831			[illegible]	[illegible]	
SPIKE	NO.		3008	2018	4019		
	AMT.		1ml	1ml	1ml		
	LOT		10873	10878	10912		
INTERNAL STANDARD	NO.						
	AMT.						
	LOT						

AH

MANUAL COUNTER 136/338

* PER FRACTION

** TOTAL FINAL VOLUME 3140

LW 2-1-84

(2)

COMPUCHEM NO. 19317 DATE _____

IDENTIFIER PESTICIDES (LOW LEVEL-SOLID)

COMPOUND LIST - NO. _____

COUNTER	COMPUCHEM COMPOUND NUMBER	COMPOUND NAME	RESULT	DETECTION LIMIT (ug/kg)
1.	0701	ALDRIN		4.0
2.	0702	ALPHA-BHC		4.0
3.	0703	BETA-BHC		4.0
4.	0704	GAMMA-BHC		4.0
5.	0705	DELTA-BHC		4.0
6.	0706	CHLORDANE		4.0
7.	0707	4,4'-DDT		4.0
8.	0708	4,4'-DDE		4.0
9.	0709	4,4'-DDD		4.0
10.	0710	DIELDRIN		4.0
11.	0711	ALPHA-ENDOSULFAN		4.0
12.	0712	BETA-ENDOSULFAN		4.0
13.	0713	ENDOSULFAN SULFATE		4.0
14.	0714	ENDRIN		4.0
15.	0715	ENDRIN ALDEHYDE		4.0
16.	0716	HEPTACHLOR		4.0
17.	0717	HEPTACHLOR EPOXIDE		4.0
18.	0718	PCB-1242		4.0
19.	0719	PCB-1254		4.0
20.	0720	PCB-1221		4.0
21.	0721	PCB-1232		4.0
22.	0722	PCB-1248		4.0
23.	0723	PCB-1260		4.0
24.	0724	PCB-1016		4.0
25.	0725	TOXAPHENE		4.0

COMPOUND NUMBER	SURROGATE COMPOUNDS	% RECOVERY WINDOW	QUANT. REPORT VALUE	CORRECTION FACTOR	RESULT	AMOUNT SPIKED	% RECOVERY
0738	DIBUTYL CHLORENDATE (41-121)*				185	817	23

*Advisory Limit

025921

SAMPLE: rp 19317
Method: rp 19317
Run: 30-DEC-87 07:05:57 CST FSS1 Proc: FSS11 : : 1988
11.60
12.75
13.46
14.86
17.03
17.34
20.77
25.30
25.77

025922

Report: 7166.00 Channel: 9 BLANK

Sample: PP 19317 Injected at 20:05:57 ON FEB 1, 1989

LSTD Method: PPAY Seq: SEW95 Subseq/Samp: 1/11 Rtl: 11

SI-width	MV/Min	Delay	Min Ar	Bunch
.250	3.000	3.00	32767	

Sup-Unk	Dvl	10-Dvl	Ref RIW	%RIW	%Dil-F	Lgo
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 30.013 minutes

Ended not on baseline

RT	11M	Factor	Area		AREA %	Name
3.02	11.90	.100000E+01	0.	SB	0.000	
3.29	12.90	.100000E+01	103316.	SH	103316.120	
3.54	13.19	.100000E+01	216780.	SH	216780.500	
3.68	14.31	.100000E+01	217669.	SH	217669.250	
3.95	15.01	.100000E+01	35505.	SH	35504.625	
3.97	14.66	.100000E+01	1393100.	SH	1393100.000	
4.07	16.06	.100000E+01	160355.	SH	160355.120	
4.12	16.25	.100000E+01	100233.	SH	100233.250	
4.29	16.84	.100000E+01	23044.	SH	23043.625	
4.37	17.22	.100000E+01	99633.	SH	99632.625	
4.49	17.71	.100000E+01	1176292.	SH	1176292.200	
4.63	18.27	.100000E+01	29630.	SH	29630.250	
4.86	19.15	.100000E+01	242531.	SH	242531.000	
5.01	19.75	.100000E+01	247904.	SH	247904.750	
5.11	20.17	.100000E+01	262871.	SH	262871.000	
5.34	20.67	.100000E+01	574042.	SH	574042.120	
5.59	21.27	.100000E+01	612774.	SH	612774.500	
5.56	21.70	.100000E+01	6468476.	SH	6468476.000	
5.87	23.14	.100000E+01	83048.	SH	83048.500	
6.07	23.73	.100000E+01	52624.	SH	52624.500	
6.24	24.61	.100000E+01	224001.	SH	224000.750	
6.36	25.11	.100000E+01	375029.	SH	375028.620	
6.54	25.78	.100000E+01	681091.	SH	681091.000	
6.69	26.37	.100000E+01	330509.	SH	330509.000	
6.79	26.77	.100000E+01	242513.	SH	242512.870	
7.06	27.84	.100000E+01	653996.	SH	653996.250	
7.26	28.66	.100000E+01	67783.	SH	67782.813	
7.42	29.25	.100000E+01	317784.	SH	317784.250	
7.65	30.00	.100000E+01	11751.	SH	11750.875	
7.92	31.41	.100000E+01	114732.	SH	114732.250	
8.20	32.54	.100000E+01	118738.	SH	118737.750	
8.44	33.30	.100000E+01	176458.	SH	176457.750	
8.67	34.20	.100000E+01	82557.	SH	82557.375	
8.76	34.54	.100000E+01	82471.	SH	82470.625	
8.90	35.11	.100000E+01	50382.	SH	50382.000	
8.98	35.43	.100000E+01	60754.	SH	60754.250	
9.20	36.22	.100000E+01	39741.	SH	39741.500	
9.41	37.29	.100000E+01	211687.	SH	211687.500	
9.55	37.68	.100000E+01	233597.	SH	233597.120	
9.71	38.30	.100000E+01	62144.	SH	62144.500	
10.10	39.04	.100000E+01	190942.	SH	190942.000	
10.28	40.56	.100000E+01	77069.	SH	77069.000	
10.60	41.82	.100000E+01	100433.	SH	100433.000	
10.92	43.07	.100000E+01	231512.	SH	231512.250	
11.14	43.95	.100000E+01	0.	SH	0.000	
11.14	43.95	.100000E+01	1711515.	SH	1711515.200	
11.60	46.08	.100000E+01	51210.	SB	51210.250	
12.75	50.30	.100000E+01	50353.	SV	50353.500	
13.46	53.08	.100000E+01	63546.	SV	63546.500	
14.08	50.70	.100000E+01	114092.	SB	114092.000	
17.02	67.15	.100000E+01	151260.	SV	151260.000	
17.54	69.39	.100000E+01	68709.	SV	68709.250	
20.72	81.74	.100000E+01	296776.	SV	296776.500	
20.99	82.79	.100000E+01	96960.	SV	96960.000	
25.35	100.00	.110761E-05	177230.	SV	.197	#DUC
25.77	101.65	.100001E+01	184044.	SV	184044.750	

025923

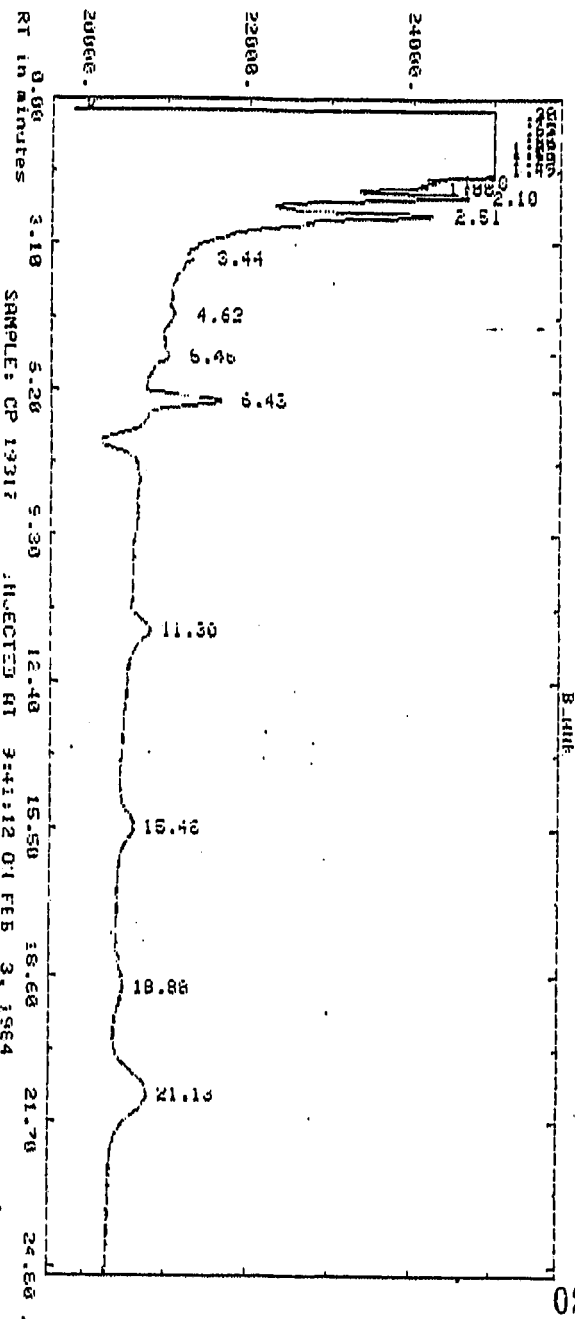
003543

Total Area = 20.031024 Total AREA % = 104844 750

Processed data file: P9511 Raw data file: R9511

025924

31


RT in minutes
0.00
3.18
5.36
5.30
12.48
15.50
18.60
21.70
24.80
SAMPLE: CP 13317 HEXED B1
Method: PA212 Rec: R2538 Proc: P2538
3, 1984
2.10
2.51
3.44
4.62
6.46
6.43
11.30
15.46
18.86
21.14
B_1111

025923

Report: 3181.00 Channel: 2 BLANK

Sample: CP 19317 Injected at 9:41:12 ON FEB 3, 1984

ESTD Method: PACK02 Seq: SEQ25 Subsq/Samp: 1/38 Btl: 38

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	20	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Drift	Iso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 25.008 minutes

RT	ITM	Factor	Area		UG/ML	Name
.30	1.43	.10000E+01	157230.	BB	157230.370	
.43	2.03	.10000E+01	392591.	BB	392591.370	
.63	2.97	.10000E+01	368913.	BB	368913.310	
.74	3.52	.10000E+01	20098.	BB	20098.406	
.86	4.05	.10000E+01	31847.	BB	31846.750	
1.02	4.82	.10000E+01	413.	BB	412.688	
1.14	5.40	.10000E+01	13244.	BB	13244.094	
1.29	6.12	.10000E+01	2388.	BB	2388.344	
1.49	7.08	.13555E-05	232325.	BB	.315	ALPHA BHC
1.78	8.42	.10000E+01	303.	BB	302.703	
1.88	8.90	.10000E+01	574.	BB	574.313	
2.10	9.96	.10000E+01	7676.	BB	7676.375	
2.51	11.90	.10000E+01	6895.	BB	6894.750	
3.44	16.27	.10000E+01	578.	BB	577.563	
4.62	21.85	.10000E+01	669.	BB	668.875	
5.46	25.85	.10765E-05	1738.	BB	.002	ENDOSULFAN I
6.43	30.43	.10000E+01	12334.	BB	12333.750	
11.30	53.49	.10000E+01	4252.	BB	4251.750	
15.48	73.28	.10000E+01	3851.	BB	3850.750	
18.88	89.39	.10000E+01	2817.	BB	2816.500	
21.13	100.00	.17118E-06	14091.	BB	.002	*DBC

Total Area = 1274828. Total UG/ML = 14091.250

Processed data file: P2538 Raw data file: R2538

025923

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

SAMPLE NUMBER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CompuChem
Lab Sample ID No: 19311
Sample Matrix: Solid
Data Release Authorized By:

Case Number 2333
QC Report No. 136/334 Blank
Contract No.: 68-01-6762
Date Sample Received:

VOLATILES

CONCENTRATION: LOW MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples

Multiply Detection limits by 1 ☐ or ☐ ____
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	50U
(3V)	107-13-1	acrylonitrile	50U
(4V)	71-43-2	benzene	2.5U
(6V)	56-23-5	carbon tetrachloride	2.5U
(7V)	108-90-7	chlorobenzene	2.5U
(10V)	107-06-2	1,2-dichloroethane	2.5U
(11V)	71-55-6	1,1,1-trichloroethane	2.5U
(13V)	75-34-3	1,1-dichloroethane	2.5U
(4V)	79-00-5	1,1,2-trichloroethane	2.5U
(5V)	79-34-5	1,1,2,2-tetrachloroethane	2.5U
(16V)	75-00-3	chloroethane	2.5U
(19V)	110-75-8	2-chloroethylvinyl ether	2.5U
(23V)	67-66-3	chloroform	2.5U
(29V)	75-35-4	1,1-dichloroethene	2.5U
(30V)	156-60-5	1,2-trans-dichloroethene	2.5U
(32V)	78-87-5	1,2-dichloropropane	2.5U
(33V)	10061-02-6	trans-1,3-dichloropropene	2.5U
	10061-01-05	cis,1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	2.5U
(44V)	75-09-2	methylene chloride	2.5U
(45V)	74-87-3	chloromethane	2.5U
(46V)	74-83-9	bromomethane	2.5U
(47V)	75-25-2	bromoform	2.5U
(48V)	75-27-4	bromodichloromethane	2.5U
(49V)	75-69-4	fluorotrichloromethane	2.5U
(51V)	124-48-1	chlorodibromomethane	2.5U
(85V)	127-18-4	tetrachloroethene	2.5U
(86V)	108-88-3	toluene	2.5U
(87V)	79-01-6	trichloroethene	2.5U
(88V)	75-01-4	vinyl chloride	2.5U
	67-64-1	acetone	50U
	78-93-3	2-butanone	100U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	50U
	108-10-1	4-methyl-2-pentanone	50U
	100-42-5	styrene	2.5U
	108-05-4	vinyl acetate	5U
	95-47-6	o-xylene	2.5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM-HIGH (circle one)
DATE EXTRACTED/PREPARED: 1-26-84
DATE ANALYZED: 1-27-84
PERCENT MOISTURE:
Associated samples 19270

Multiply Detection limits by 1 ☒ or ☐ ____
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	72-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-7	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples: ____ ug/g or ug/kg (circle one)

(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin 0.16U

025927, 1983

003547

PESTICIDE LOW SOLID
ORGANICS ANALYSIS DATA SHEET - Page 3

Lab Name: Mead CompuChem

Lab Sample I.D. No. 19311 ☐ SS ☐ DS ☒ Blank

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/kg)	(Surrogates only) Spike Added (ug/kg)	(Surrogates only) % Recover.
Dibutychloroendate	PESTICIDE	5.3	25	21

025923

Pesticide/Herbicide

ASSIGNED TO: Marlene — Janice

DATE ASSIGNED 12/23

PAGE ___ OF ___

SAMPLE NUMBER	PREP CODE	CASE #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) B/N	ACID	PEST	TCDD	FLORISIL START VOL	FLORISIL FINAL VOLUME I	II	III	COMB INIT*	FINAL **	COMPT. DATE	COMMENTS
19270	7618	2333			50.6	1.0	1.0	5.0	5.0	Grd	5	5	5	B	Init	1-26-84	
19311			B		50.0	0.5	1.0	5.0	5.0	Grd	5	5	5	5	Init	~~1-26-84~~ Final	

JCT

		S-Vol	Acid	B/N	Pest.	TCDD	Other
SURROGATE	NO.	382			368	364	
	AMT.	250µl			250µl	200µl	
	LOT	1:83			1:82	1:83	
SPIKE	NO.						
	AMT.						
	LOT						
INTERNAL STANDARD	NO.						
	AMT.						
	LOT						

KT

JBA

MANUAL COUNTER 136/334

* PER FRACTION

** TOTAL FINAL VOLUME

No 3141

mb 1-27

(2)

COMPUCHEM NO. 1931 DATE _____

IDENTIFIER PESTICIDES (LOW LEVEL-SOLID)

COMPOUND LIST - NO. _____

COUNTER	COMPUCHEM COMPOUND NUMBER	COMPOUND NAME	RESULT	DETECTION LIMIT (ug/kg)
1.	0701	ALDRIN		4.0
2.	0702	ALPHA-BHC		4.0
3.	0703	BETA-BHC		4.0
4.	0704	GAMMA-BHC		4.0
5.	0705	DELTA-BHC		4.0
6.	0706	CHLORDANE		4.0
7.	0707	4,4'-DDT		4.0
8.	0708	4,4'-DDE		4.0
9.	0709	4,4'-DDD		4.0
10.	0710	DIELDRIN		4.0
11.	0711	ALPHA-ENDOSULFAN		4.0
12.	0712	BETA-ENDOSULFAN		4.0
13.	0713	ENDOSULFAN SULFATE		4.0
14.	0714	ENDRIN		4.0
15.	0715	ENDRIN ALDEHYDE	BDL	4.0
16.	0716	HEPTACHLOR		4.0
17.	0717	HEPTACHLOR EPOXIDE		4.0
18.	0718	PCB-1242		4.0
19.	0719	PCB-1254		4.0
20.	0720	PCB-1221		4.0
21.	0721	PCB-1232		4.0
22.	0722	PCB-1248		4.0
23.	0723	PCB-1260		4.0
24.	0724	PCB-1016		4.0
25.	0725	TOXAPHENE		4.0

COMPOUND NUMBER	SURROGATE COMPOUNDS	% RECOVERY WINDOW	QUANT. REPORT VALUE	CORRECTION FACTOR	RESULT	AMOUNT SPIKED	% RECOVERY
0738	DIBUTYL CHLORENDATE (41-121)*				23	111	21

025950

*Advisory Limit

025950

RT : in minutes
3.59
4.40
8.58
13.36
17.58
22.00
26.40
30.80
35.20
Method : PP 1321 EPGE
SAMPLE: PP 1321
INJECTED AT 22:36:21 ON JAN 27, 1984
Run: PP0911
Proc: PP0911
3.26
4.09
1.46
8.94
11:59
14.44
26.44
26.85
FB

025931

Report: 1814.00 Channel: 0 KD

Sample: PP 19311 Injected at 22:36:21 ON JAN 27, 1989

ESTD Method: EPA0 Seq: SL006 Subsq/Samp: 1/11 Bll: 11

Bl-width	MV/Min	Delay	Min Ar	Bunch
.250	.300	3.00	100	

Sup-Unk	Dur	ID Lvl	Ref RIW	ZRIW	ZDil F	Iso
NO	0.00	0	.50	5.0	100.00	NO

Actual run time: 35.217 minutes

RT	Tim	Factor	Area		UG/ML	Name
3 26	12.13	.10000E+01	61413.	BB	61413.125	
3.60	13 48	.10000E+01	5504.	BV	5504.313	
3.92	14.05	.10000E+01	3083.	BB	3083.704	
4.03	15.01	.10000E+01	5368.	BV	5368.625	
4 46	16.62	.10000E+01	1405.	BV	1405.000	
5.41	19.79	.10000E+01	527.	BB	527.875	
5.46	20.35	.10000E+01	218.	BB	218.094	
5:96	22.10	.10000E+01	4168.	BB	4168.063	
6.07	22 41	.10000E+01	6284.	BV	6283.750	
6.94	25.05	.10000E+01	4929.	BB	4929.750	
7.21	26 05	.10000E+01	5171.	BV	5171.188	
7.41	27.61	.10000E+01	919.	BV	919.938	
7 70	28.69	.57998E-05	1042.	BB	.006	BETA BHC
8.09	30.15	.10000E+01	781.	BB	780.500	
8.94	33 30	.10000E+01	832.	BB	831.938	
11.50	42.83	.10000E+01	338.	BB	341.500	
11.83	44.07	.10000E+01	145.	BB	144.750	
14.44	53.79	.10000E+01	2607.	BB	2607.375	
22 01	81.99	.34569E-05	1016	BB	.004	ENDOSULFAN SULFATE
22.70	82.70	.47403E-05	685.	BV	.003	PP'DDT
26.44	98.49	.10000E+01	1726.	BB	1726.000	
26.85	100.00	.10000E+01	2277.	BB	2277.563	ENDRIN

Total Area = 110430. Total UG/ML = 2277.563

Processed data file: P0611 Raw data file: R0611

025932

H

025933

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

CASE NUMBER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CompuChem
Lab Sample ID No: 19317
Sample Matrix: Solid
Data Release Authorized By:

Case Number 2233
QC Report No. 136/338 Clark
Contract No.: 68-01-6762
Date Sample Received:

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples

Multiply Detection limits by 1 ☐ or ☐
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	50U
(3V)	107-13-1	acrylonitrile	50U
(4V)	71-43-2	benzene	2.5U
(6V)	56-23-5	carbon tetrachloride	2.5U
(7V)	108-90-7	chlorobenzene	2.5U
(10V)	107-06-2	1,2-dichloroethane	2.5U
(11V)	71-55-6	1,1,1-trichloroethane	2.5U
(13V)	75-34-3	1,1-dichloroethane	2.5U
(14V)	79-00-5	1,1,2-trichloroethane	2.5U
(5V)	79-34-5	1,1,2,2-tetrachloroethane	2.5U
(16V)	75-00-3	chloroethane	2.5U
(19V)	110-75-8	2-chloroethylvinyl ether	2.5U
(23V)	67-66-3	chloroform	2.5U
(29V)	75-35-4	1,1-dichloroethene	2.5U
(30V)	156-60-5	1,2-trans-dichloroethene	2.5U
(32V)	78-87-5	1,2-dichloropropane	2.5U
(33V)	10061-02-6	trans-1,3-dichloropropene	2.5U
	10061-01-05	cis,1,3-dichloropropene	2.5U
(38V)	100-41-4	ethylbenzene	2.5U
(44V)	75-09-2	methylene chloride	2.5U
(45V)	74-87-3	chloromethane	2.5U
(46V)	74-83-9	bromomethane	2.5U
(47V)	75-25-2	bromoform	2.5U
(48V)	75-27-4	bromodichloromethane	2.5U
(49V)	75-69-4	fluorotrichloromethane	2.5U
(51V)	124-48-1	chlorodibromomethane	2.5U
(85V)	127-18-4	tetrachloroethene	2.5U
(86V)	108-88-3	toluene	2.5U
(87V)	79-01-6	trichloroethene	2.5U
(88V)	75-01-4	vinyl chloride	2.5U
	67-64-1	acetone	50U
	78-93-3	2-butanone	100U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	50U
	108-10-1	4-methyl-2-pentanone	50U
	100-42-5	styrene	2.5U
	108-05-4	vinyl acetate	5U
	95-47-6	o-xylene	2.5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM-HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples

Multiply Detection limits by 1 ☐ or ☐
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	72-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-7	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

DIOXINS ✓

CONCENTRATION: (LOW) MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED: 1-26-84
DATE ANALYZED: 2-5-84
PERCENT MOISTURE:
Associated samples: 19264-19269 ug/l
19257 or (ug/kg) (circle one)

(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin 0.16U

July, 1983

025934

ASSIGNED TO: Ed

DATE ASSIGNED 1-25-84

PAGE _____ OF 5

SAMPLE NUMBER	PREP CODE	CASE #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) B/N	ACID	PEST	TCDD	TCDD ACID WASH ✓	ACID WASH ANALYST	ACID WASH COMP DATE	TCDD DUAL COLUMN ANALYST	DUAL COLUMN F. VOL	DUAL COLUMN COMP DATE	COMMENTS
19260	128	2333	SS	11269	50.14	.5	1	5	5							
19261	128	2333	SS	11270	50.24	.5	1	5	5							
19262	128	2333			50.51	.5	1	5	5		NO		TLT	100µl	1-26-84	
19263	128	2333			25.14	.5	1	5	5				TLT	100µl	1-26-84	
19264	128	2333			50.59	.5	1	5	5				TLT	100µl	1-26-84	
19265	128	2333			50.42	.5	1	5	5				TLT	100µl	1-26-84	
19266	128	2333			50.11	.5	1	5	5				TLT	100µl	1-26-84	
19267	128	2333			50.35	.5	1	5	5				TLT	100µl	1-26-84	
19268	128	2333			50.18	.5	1	5	5				TLT	100µl	1-26-84	
19317			B		[illegible]		1	5	5	✓			TLT	100µl	1-26-84	

		S-Vol	Acid	B/N	Pest.	TCDD	Other
SURROGATE	NO.	382			368	361	
	AMT.	250µl			250µl	200µl	
	LOT	11631			[illegible]	[illegible]	
SPIKE	NO.		3008	2018	4014		
	AMT.		1ml	1ml	1ml		
	LOT		10857	10575	10574		
INTERNAL STANDARDS	NO.					028	
	AMT.					6µl	
	LOT					10564	

M. Stans 1-26-84

MANUAL COUNTER 136/338

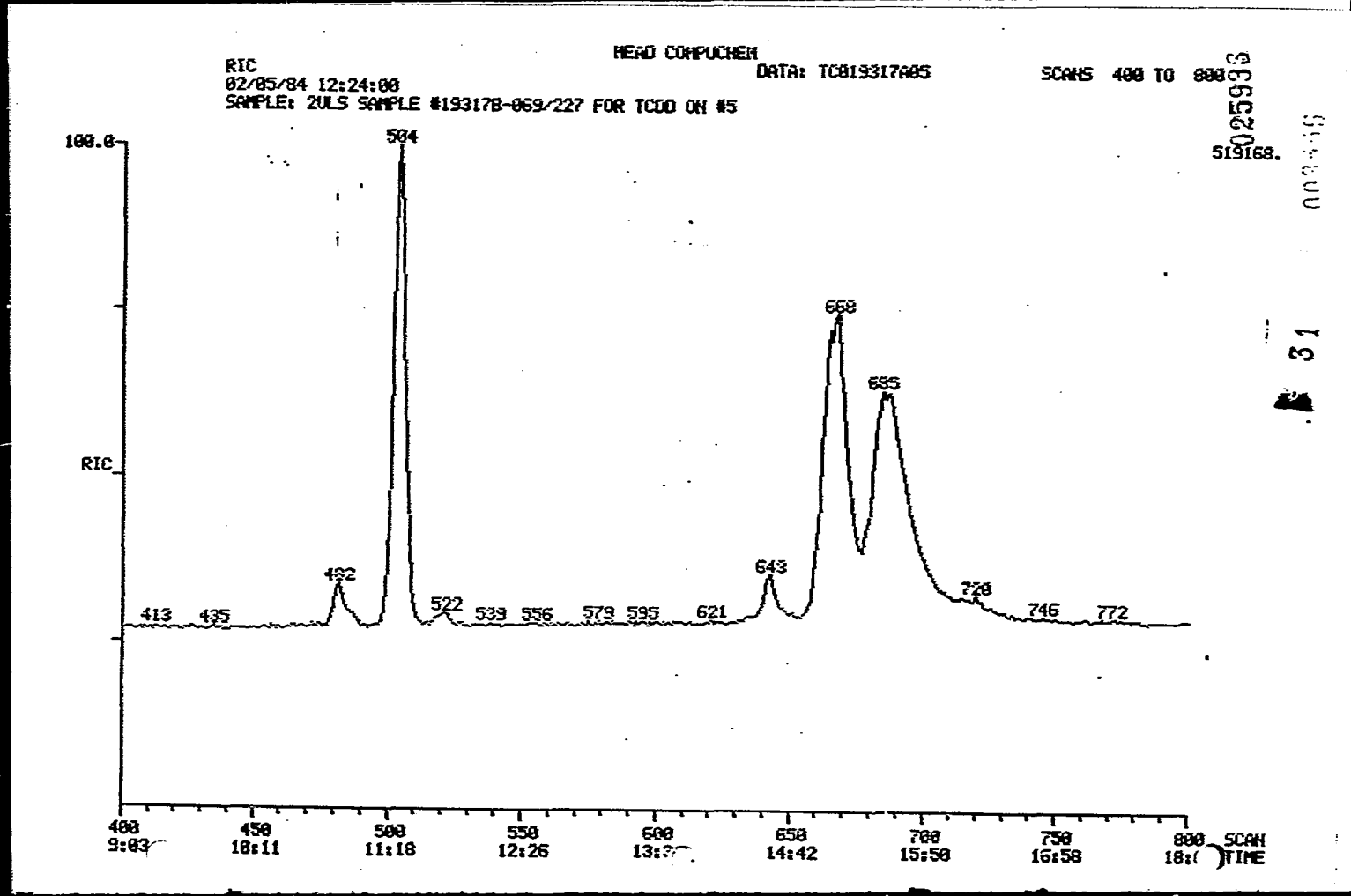
№ 3140

MB 1-26

(3)

0291

31


RIC
02/05/84 12:24:00
SAMPLE: 2ULS SAMPLE #19317B-069/227 FOR TCDD ON #5
MEAD COMPUCHEM
DATA: TC819317A05
SCANS 400 TO 800
519168.
100.0
RIC
504
668
635
462
643
413
435
522
539
556
579
595
621
728
746
772
400
9:03
450
10:11
500
11:18
550
12:26
600
650
14:42
700
15:50
750
16:58
800
SCAN
TIME

PROCEDURE: RK DIAGNOSTIC REPORT 2/05/84 12:46:1
DATA FILE: TC019317A05
REFERENCE: TC
METHOD: TC INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: TCS

< ---- STANDARDS ------ >< --- PLUS UNKNOWNS --- >< - LIST NAMES - >								
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
2	2	2	203	7	7	1	144	TCS/TCU

7 COMPOUNDS PROCESSED, 7 FOUND

< COMPOUND >< ---------- SEARCH ---------- >< BAT >< ------ CHRO -------												
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA PEAK
1	TC	1	-691	686	685	-1	1	832	.	332	685	.
2	TC	2	-671	667	668	1	2	992	.	320	668	.
3	TC	3	-670	667	668	1	1	992	.	322	667	-1
4	TC	4	-671	668	668	.	1	992	.	257	668	.
5	TC	5	-692	687	688	1	1	897	.	320	685	-3
6	TC	6	-691	686	688	2	1	897	.	322	685	-3
7	TC	7	-692	687	685	-2	1	960	.	257	683	-2

025937

MEAD COMPUCHEM

QUANTITATION REPORT FILE: TC019317A05

DATA: TC019317A05.TI
02/05/84 12:24:00
SAMPLE: 2ULS SAMPLE #19317B-069/227 FOR TCDD ON #5
SUBMITTED BY: #5 ANALYST: 615

AMOUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	#13C12-2, 3, 7, 8-TCDD(INTERNAL STANDARD)
2	1, 2, 3, 4-TCDD
3	1, 2, 3, 4-TCDD
4	1, 2, 3, 4-TCDD
5	2, 3, 7, 8-TCDD
6	2, 3, 7, 8-TCDD
7	2, 3, 7, 8-TCDD

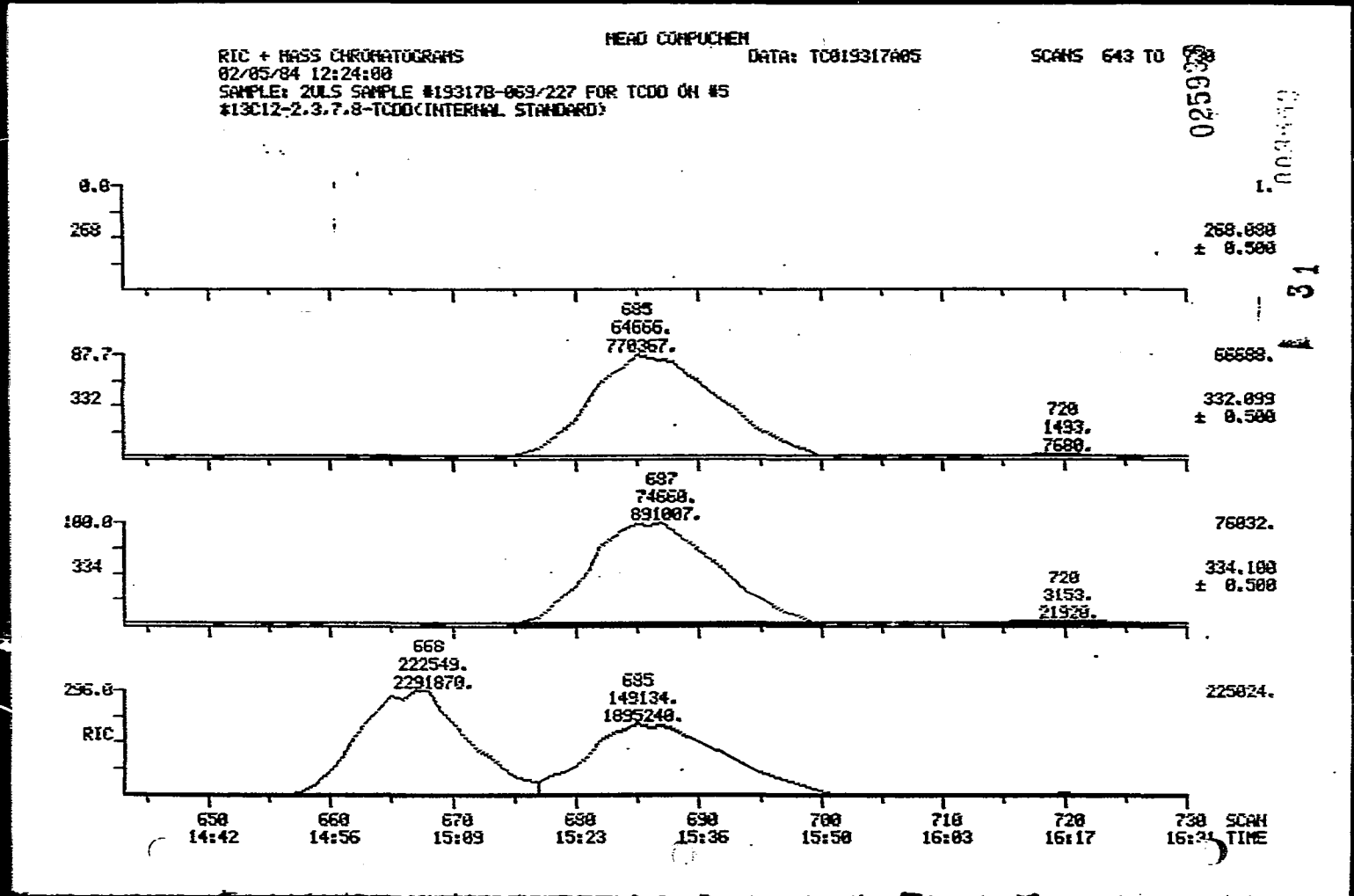
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
1	332	685	15:29	1	1.000	A BB	875119.	200.000	PG/UL	16.65
2	320	668	15:06	1	0.975	A*BV	888075.	260.865	PG/UL	21.72
3	322	667	15:05	1	0.974	A*BV	1154970.	251.196	PG/UL	20.91
4	257	668	15:06	1	0.975	A*BV	463302.	381.444	PG/UL	31.75
5	320	685	15:29	1	1.000	A*VV	44214.	15.380	PG/UL	1.28
6	322	685	15:29	1	1.000	A*VV	45872.	11.475	PG/UL	0.96
7	257	683	15:27	1	0.997	A*VV	123040.	80.938	PG/UL	6.74

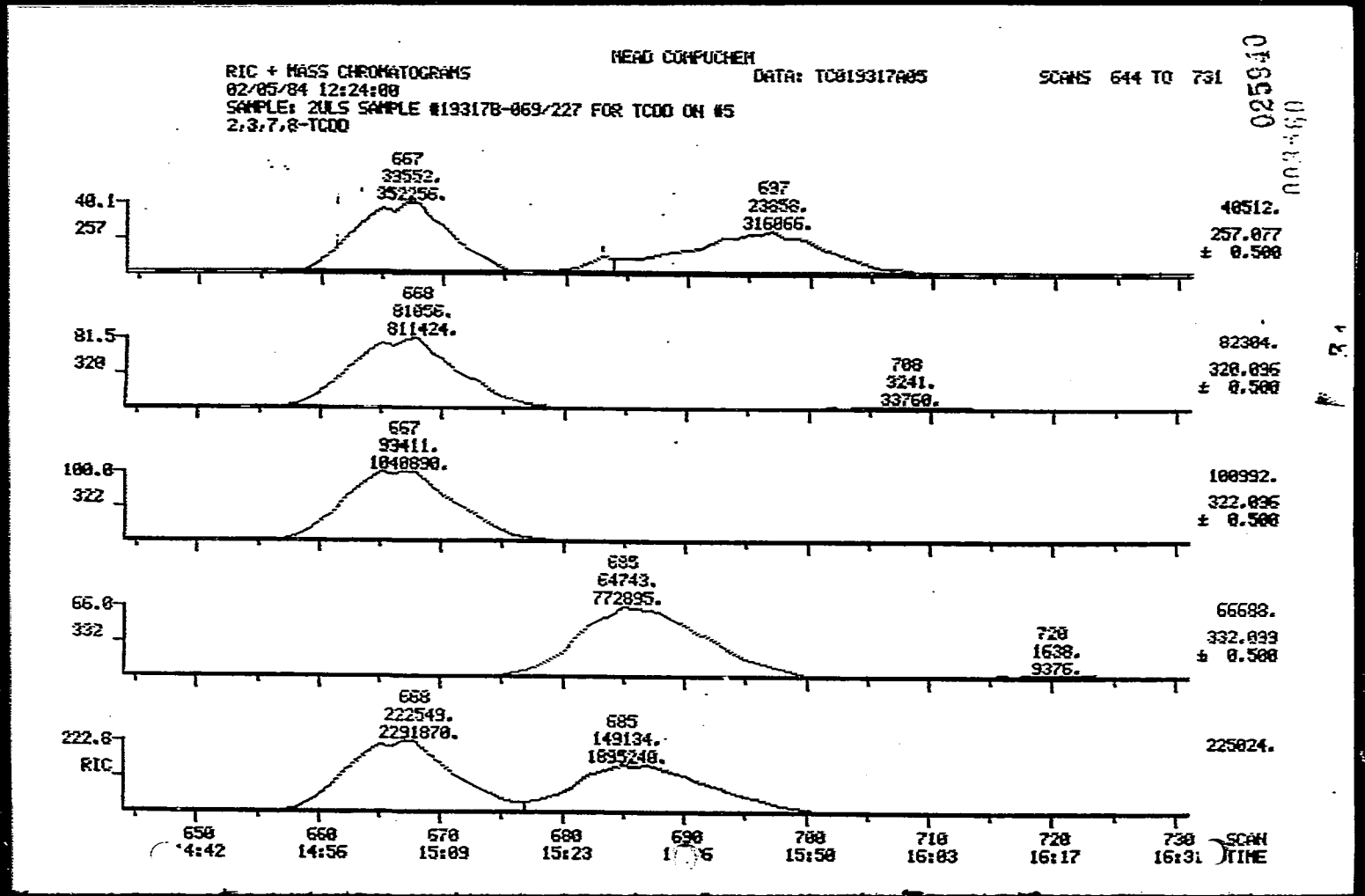
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	15:31	1.00	1.000	1.00	200.00	200.00	1.000	1.000	1.00
2	15:00	1.01	0.966	1.01	260.86	200.00	0.992	0.761	1.30
3	15:00	1.01	0.966	1.01	251.20	200.00	1.290	1.027	1.26
4	15:01	1.01	0.968	1.01	381.44	200.00	0.518	0.271	1.91
5	15:32	1.00	1.001	1.00	15.38	200.00	0.049	0.642	0.08
6	15:32	1.00	1.001	1.00	11.48	200.00	0.051	0.893	0.06
7	15:32	0.99	1.001	1.00	80.94	200.00	0.137	0.340	0.40

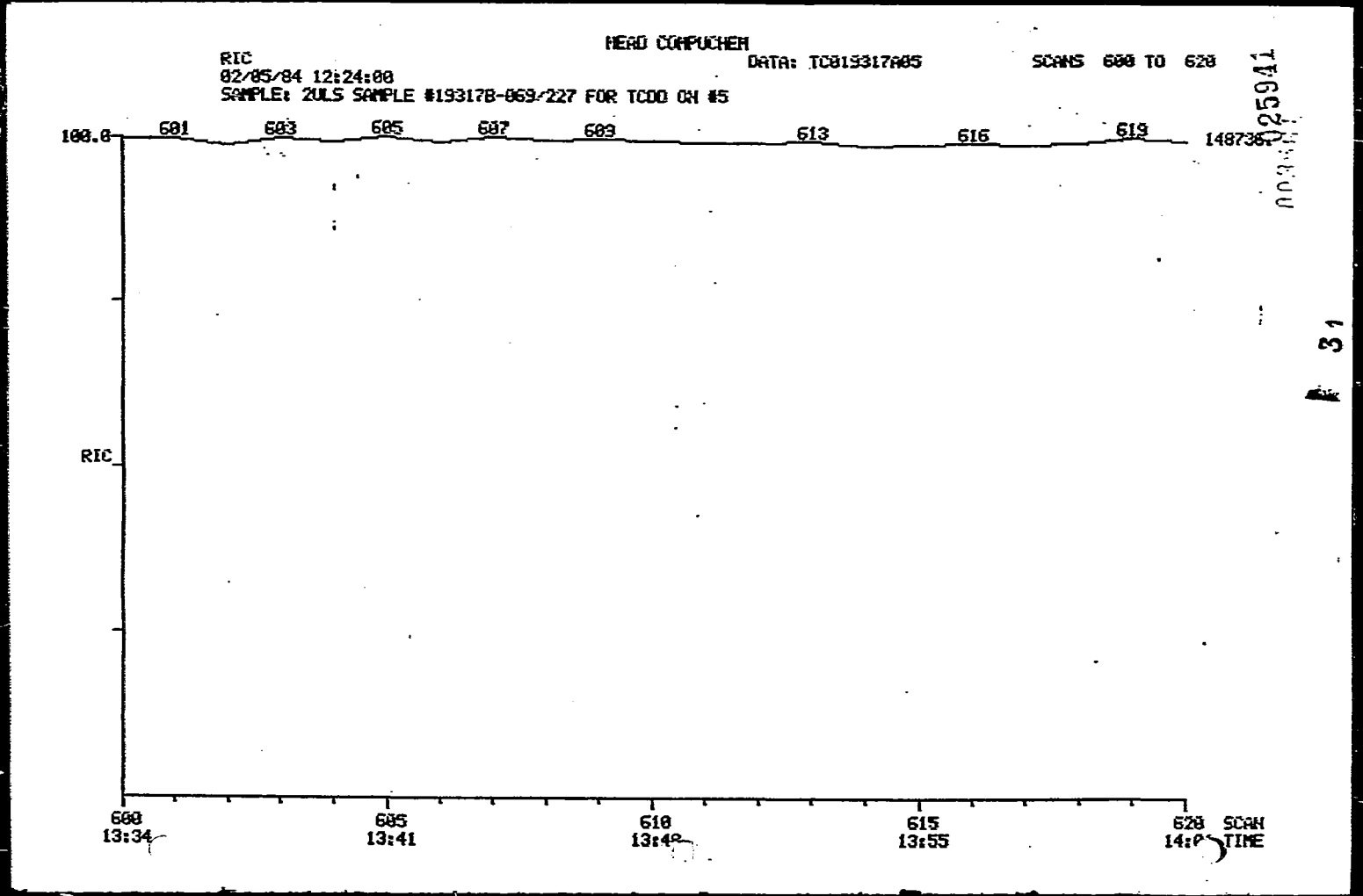
025933

003458

B 31


HEAD COMPUCHEM
RIC + MASS CHROMATOGRAMS
DATA: TC019317A05
SCANS 643 TO 738
02/05/84 12:24:00
SAMPLE: 2ULS SAMPLE #19317B-069/227 FOR TCDD ON #5
#13C12-2.3.7.8-TCDD(INTERNAL STANDARD)
0250
8.8
268
268.000
± 0.500
685
64666.
770367.
87.7
332
66688.
332.099
± 0.500
720
1433.
7680.
687
74658.
891007.
100.0
334
76832.
334.100
± 0.500
720
3153.
21920.
668
222549.
2291870.
296.8
RIC
685
149134.
1895240.
225824.
650
14:42
660
14:56
670
15:09
680
15:23
690
15:36
700
15:50
710
16:03
720
16:17
730
16:31
SCAN
TIME


MEAD COMPUCHEM
RIC + MASS CHROMATOGRAMS
DATA: TC819317A05
SCANS 644 TO 731
02/05/84 12:24:00
SAMPLE: 2ULS SAMPLE #19317B-069/227 FOR TCDD ON #5
2,3,7,8-TCDD
667
33552.
352256.
637
23856.
316866.
40.1
257
40512.
257.077
± 0.500
668
81856.
811424.
708
3241.
33760.
81.5
320
82304.
320.096
± 0.500
667
93411.
1040890.
100.8
322
100992.
322.036
± 0.500
685
64743.
772895.
66.8
332
720
1638.
9376.
66688.
332.099
± 0.500
668
222549.
2291870.
685
149134.
1695248.
222.8
RIC
225024.
650
14:42
660
14:56
670
15:09
680
15:23
690
15:36
700
15:50
710
16:03
720
16:17
730
16:31
SCAN
TIME


HERO COMPUCHEM
RIC
02/05/84 12:24:00
DATA: TC019317A05
SCANS 600 TO 620
SAMPLE: 2ULS SAMPLE #19317B-069-227 FOR TCDD CH #5
100.0
601
603
605
607
609
613
616
619
148738
RIC
600
13:34
605
13:41
610
615
13:55
620
SCAN
TIME

P.O. Box 818, Alexandria, Virginia 22313 • 703/557-2490

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CompuChem
Lab Sample ID No: 19311
Sample Matrix: Solid
Data Release Authorized By:

Case Number 2337
QC Report No. 136/334 Bomb
Contract No.: 68-01-6762
Date Sample Received:

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples

Multiply Detection limits by 1 ☐ or ☐
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	50U
(3V)	107-13-1	acrylonitrile	50U
(4V)	71-43-2	benzene	2.5U
(6V)	56-23-5	carbon tetrachloride	2.5U
(7V)	108-90-7	chlorobenzene	2.5U
(10V)	107-06-2	1,2-dichloroethane	2.5U
(11V)	71-55-6	1,1,1-trichloroethane	2.5U
(13V)	75-34-3	1,1-dichloroethane	2.5U
(14V)	79-00-5	1,1,2-trichloroethane	2.5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	2.5U
(16V)	75-00-3	chloroethane	2.5U
(19V)	110-75-8	2-chloroethylvinyl ether	2.5U
(23V)	67-66-3	chloroform	2.5U
(29V)	75-35-4	1,1-dichloroethene	2.5U
(30V)	156-60-5	1,2-trans-dichloroethene	2.5U
(32V)	78-87-5	1,2-dichloropropane	2.5U
(33V)	10061-02-6	trans-1,3-dichloropropene	2.5U
	10061-01-05	cis,1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	2.5U
(44V)	75-09-2	methylene chloride	2.5U
(45V)	74-87-3	chloromethane	2.5U
(46V)	74-83-9	bromomethane	2.5U
(47V)	75-25-2	bromoform	2.5U
(48V)	75-27-4	bromodichloromethane	2.5U
(49V)	75-69-4	fluorotrichloromethane	2.5U
(51V)	124-48-1	chlorodibromomethane	2.5U
(85V)	127-18-4	tetrachloroethene	2.5U
(86V)	108-88-3	toluene	2.5U
(87V)	79-01-6	trichloroethene	2.5U
(88V)	75-01-4	vinyl chloride	2.5U
	67-64-1	acetone	50U
	78-93-3	2-butanone	100U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	50U
	108-10-1	4-methyl-2-pentanone	50U
	100-42-5	styrene	2.5U
	108-05-4	vinyl acetate	5U
	95-47-6	o-xylene	2.5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples

Multiply Detection limits by 1 ☐ or ☐
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	72-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-7	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED: 1-26-84
DATE ANALYZED: 2-5-84
PERCENT MOISTURE:
Associated samples: 8270

ug/l or (ug/kg) (circle one)

(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin 0.16U

July, 198

025942

DATE ASSIGNED 1/24/84

PAGE 2

SAMPLE NUMBER	COMP CODE	CASE #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME-(ml)	FINAL EXTRACT VOL. (MLS) B/N	ACID	PEST	TCDD	TCDD ✓	ACID WASH ANALYST	ACID WASH COMP DATE	DUAL COLUMN ANALYST	DUAL COLUMN F. VOL	DUAL COLUMN COMP DATE	COMMENTS
1927	8	2333			5.67	1.					TLT	1-25-84	TLT	10/1	1-26-84	
1971			B			2.5			5				AW		1-26-84	

	S-Val	Acid	B/N	Pest.	TCDD	Other
SURROGATE						
INIT.	392			368	364	
FINAL	250µl			250µl	200µl	
	1			1	1	
SURROGATE						
INIT.						
FINAL						
SPIKE						
INIT.					025	
FINAL					1264	

MANUAL COUNTER 136/354

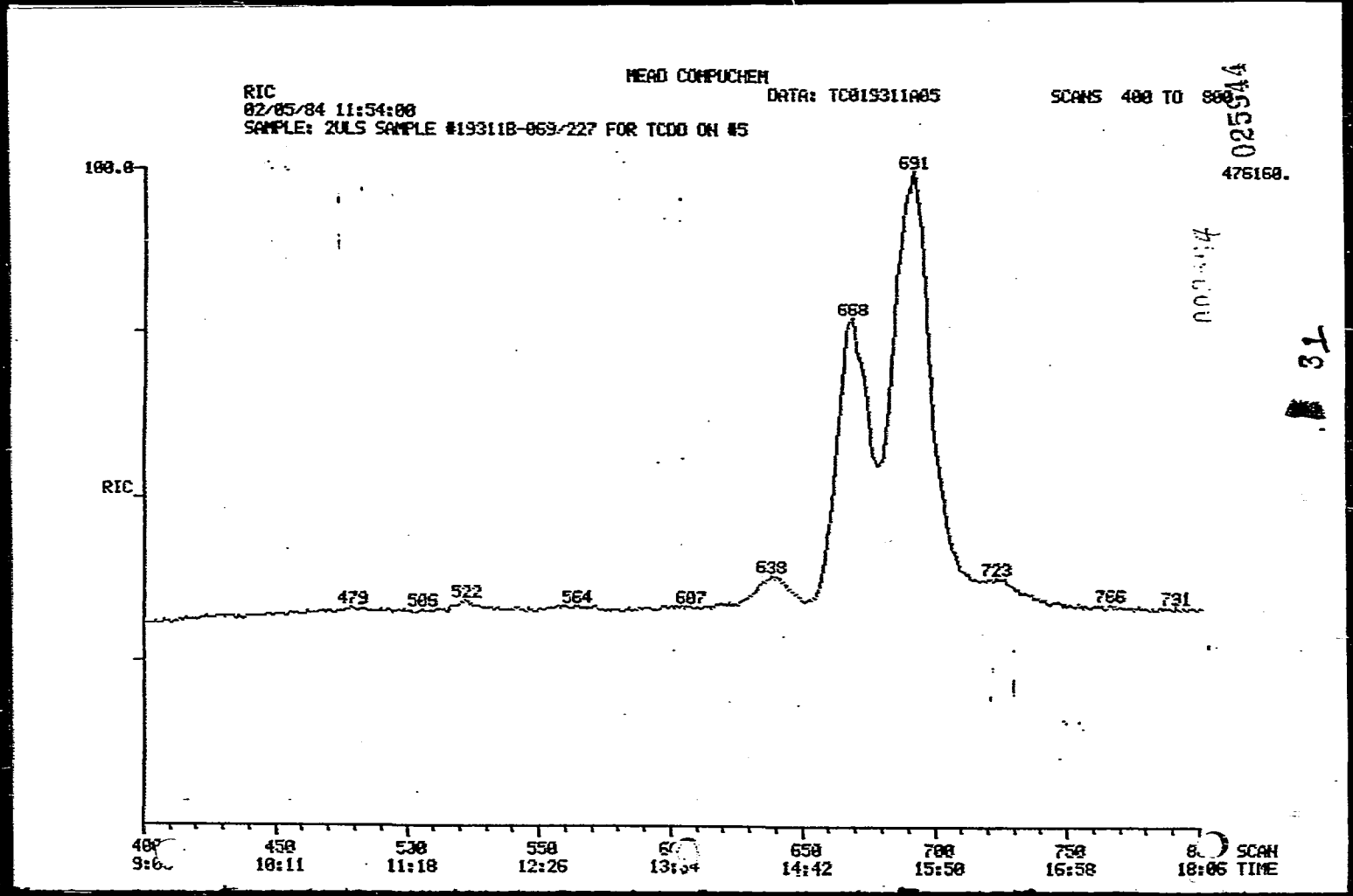
№ 3141

AW 1-26-84

MB 1-26

(3)

31


MEAD COMPUCHEM
RIC
02/05/84 11:54:00
DATA: TC019311A05
SCANS 400 TO 800
SAMPLE: 2ULS SAMPLE #19311B-069-227 FOR TCDD ON #5
100.0
476160.
RIC
691
668
638
723
479
505
522
564
607
766
731
400
450
500
550
650
700
750
800
SCAN
9:06
10:11
11:18
12:26
14:42
15:50
16:58
18:06
TIME

PROCEDURE: RK DIAGNOSTIC REPORT 2/05/84 12:13:31
DATA FILE: TC019311A05
REFERENCE: TC
METHOD: TC INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: TCS

< ---- STANDARDS ------ >< --- PLUS UNKNOWNS --- >< - LIST NAMES - >								
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
2	2	1	215	7	6	1	63	TCS/TCU

7 COMPOUNDS PROCESSED, 6 FOUND

< COMPOUND >< ---------- SEARCH ---------- >< SAT >< ------ CHRO ------- :												
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	TC	1	-691	689	691	2	1	832	.	332	691	.	1
2	TC	2	-671	670	668	-2	1	993	.	320	667	-1	1
3	TC	3	-670	667	668	1	1	993	.	322	668	.	1
4	TC	4	-671	668	668	.	1	993	.	257	668	.	2
5	TC	5	-692	692	692	.	1	976	.	320	692	.	2
6	TC	6	-691	691	.	.	.	.	.	322	691	.	2
7	TC	7	-692	692	691	-1	1	980	.	257	692	1	2

MEAD COMPUCHEM

QUANTITATION REPORT FILE: TC019311A05

DATA: TC019311A05.TI
01/05/84 11:54:00
SAMPLE: 2ULS SAMPLE #19311B-069/227 FOR TCDD ON #5
SUBMITTED BY: #5 ANALYST: 615

AMOUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

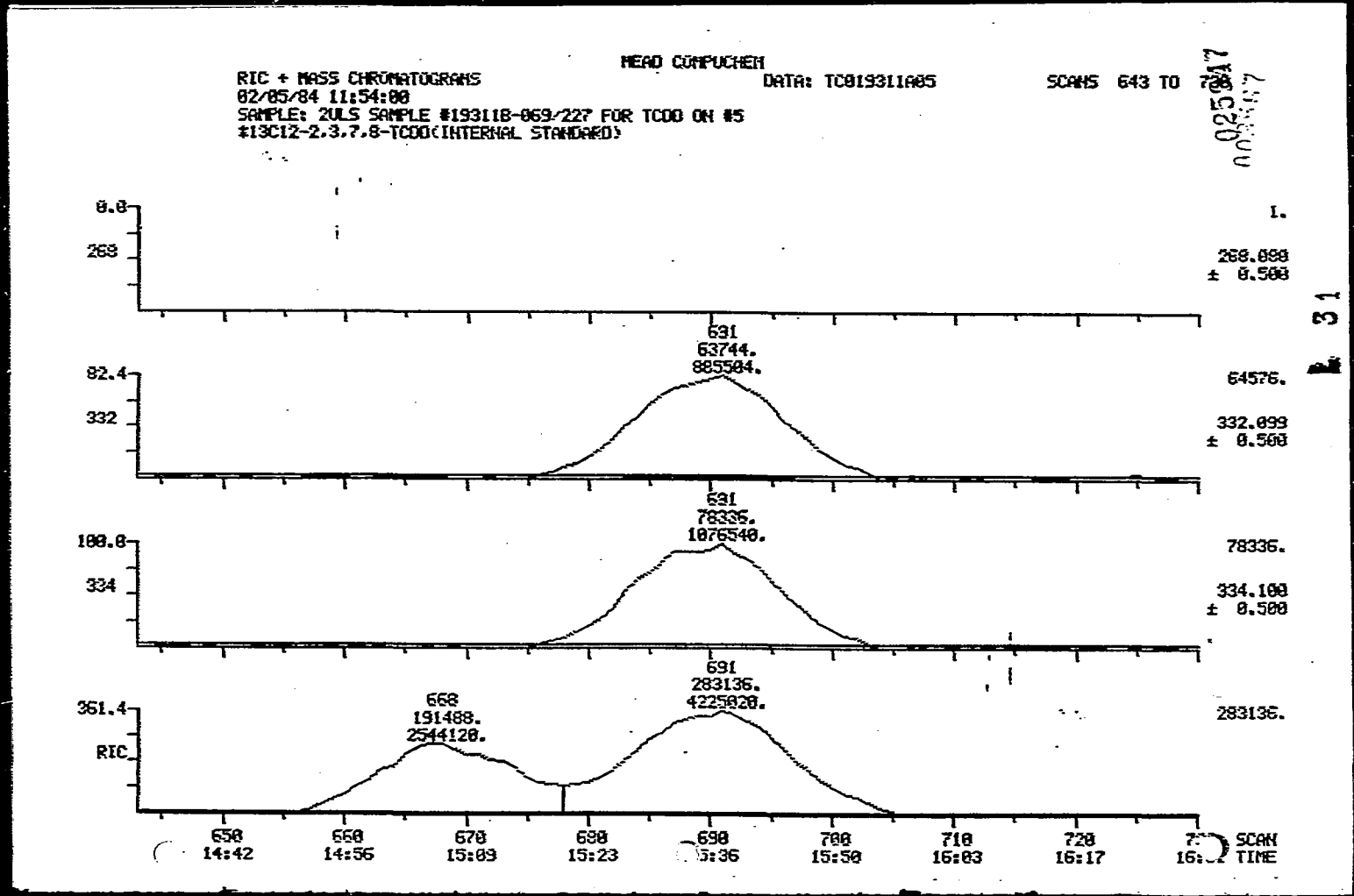
NO	NAME
1	*13C12-2,3,7,8-TCDD(INTERNAL STANDARD)
2	1,2,3,4-TCDD
3	1,2,3,4-TCDD
4	1,2,3,4-TCDD
5	2,3,7,8-TCDD
6	2,3,7,8-TCDD
7	2,3,7,8-TCDD

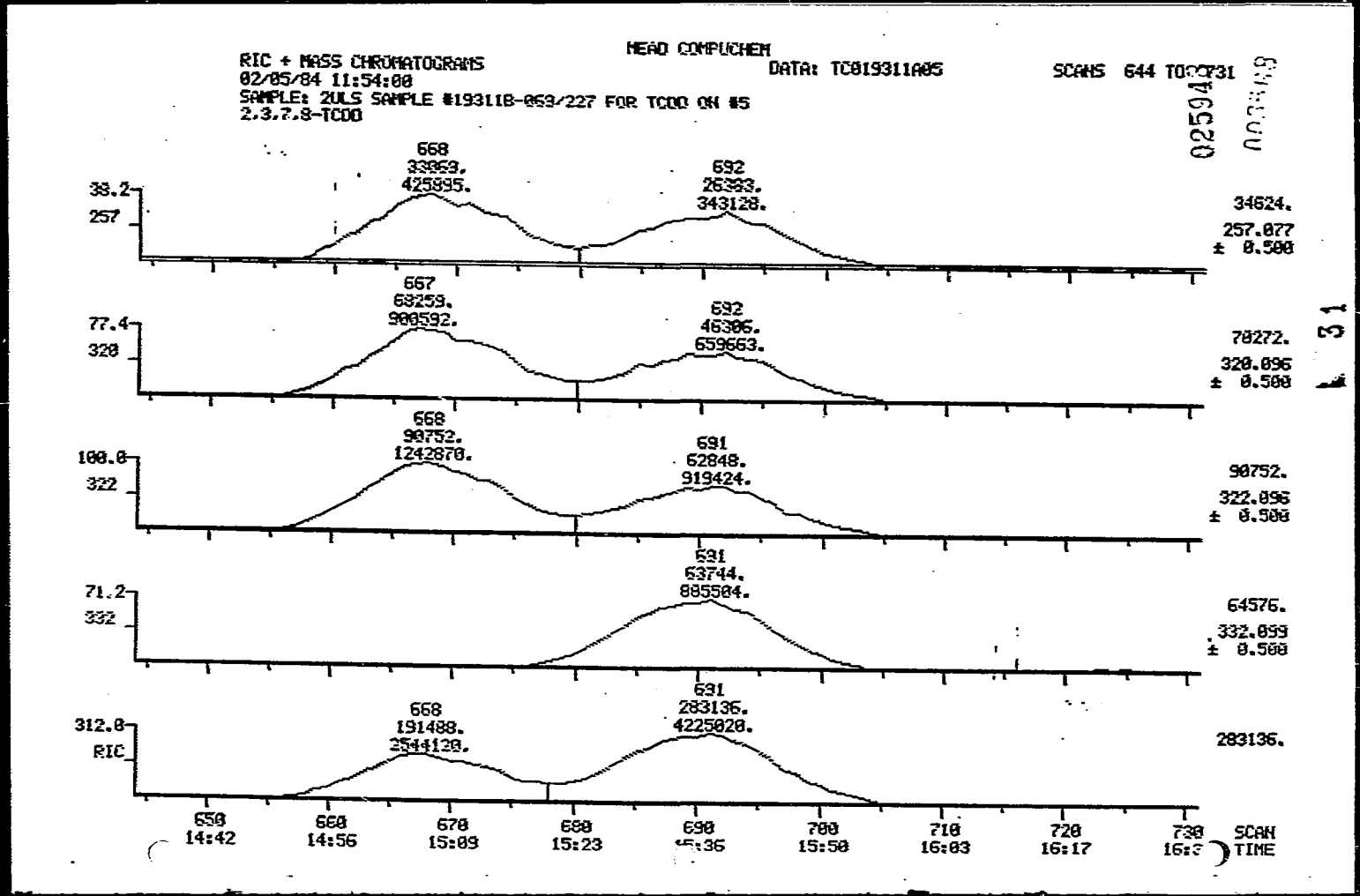
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	332	691	15:38	1	1.000	A BV	1172430.	200.000 PG/UL	13.41
2	320	667	15:05	1	0.965	A BV	1001310.	224.559 PG/UL	15.06
3	322	668	15:06	1	0.967	A BV	1337390.	222.071 PG/UL	14.89
4	257	668	15:06	1	0.967	A*BV	508552.	319.665 PG/UL	21.43
5	320	692	15:39	1	1.001	A*VV	617335.	163.951 PG/UL	10.99
6	322	691	15:38	1	1.000	A*VB	1055690.	201.624 PG/UL	13.52
7	257	692	15:39	1	1.001	A*VV	317630.	159.522 PG/UL	10.70

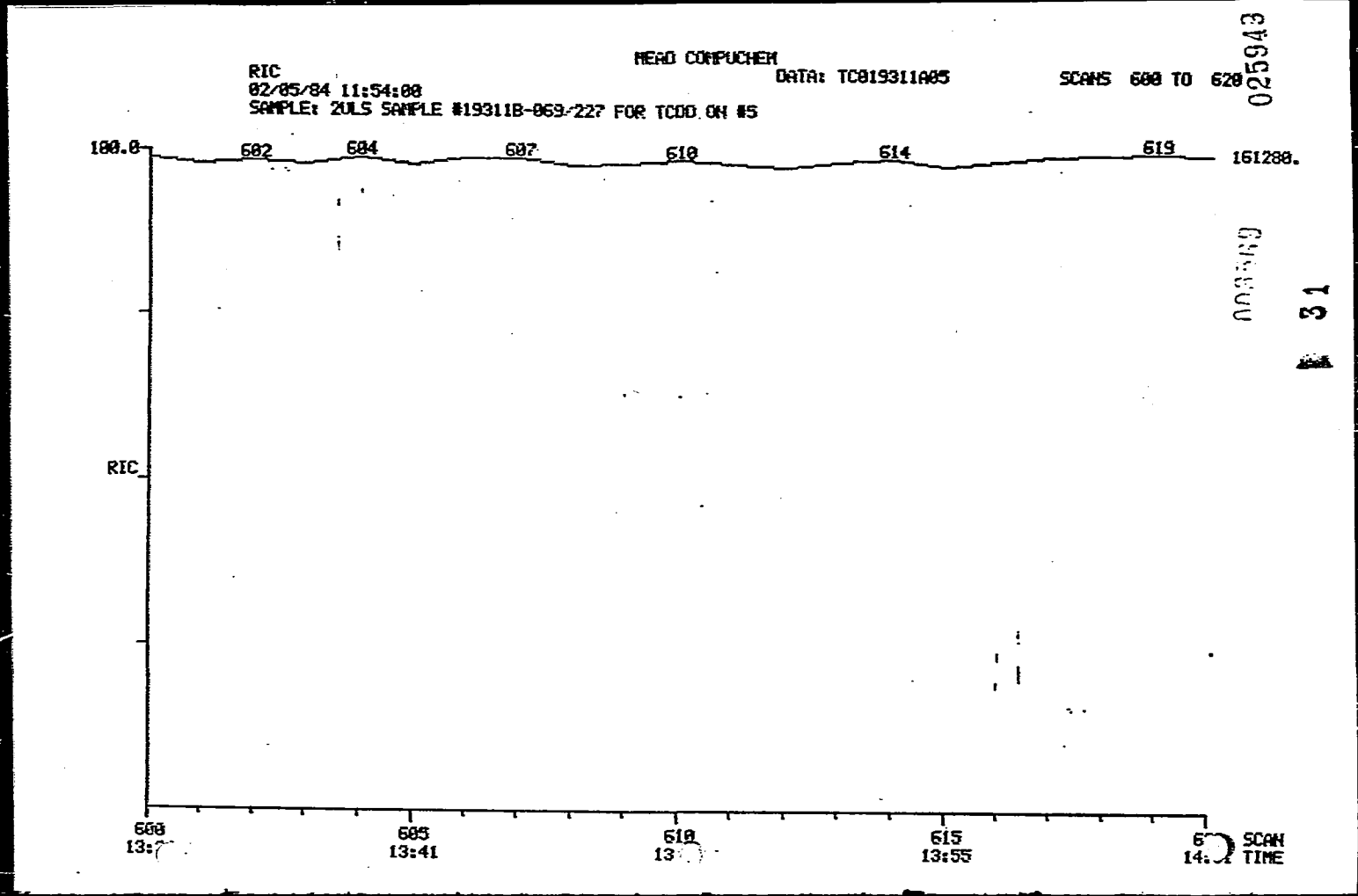
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	15:31	1.01	1.000	1.00	200.00	200.00	1.000	1.000	1.00
2	15:00	1.01	0.966	1.00	224.56	200.00	0.854	0.761	1.12
3	15:00	1.01	0.966	1.00	222.07	200.00	1.141	1.027	1.11
4	15:01	1.01	0.968	1.00	319.67	200.00	0.434	0.271	1.60
5	15:32	1.01	1.001	1.00	163.95	200.00	0.527	0.642	0.82
6	15:32	1.01	1.001	1.00	201.62	200.00	0.900	0.893	1.01
7	15:32	1.01	1.001	1.00	159.52	200.00	0.271	0.340	0.80

003566

025943


MEAD COMPUCHEM
RIC + MASS CHROMATOGRAMS
DATA: TC019311A05
SCANS 643 TO
02/05/84 11:54:00
SAMPLE: 2ULS SAMPLE #19311B-069/227 FOR TCDD ON #5
#13C12-2.3.7.8-TCDD(INTERNAL STANDARD)
8.8
269
I.
268.888
± 0.500
631
63744.
885504.
82.4
332
64576.
332.099
± 0.500
631
78336.
1076540.
100.0
334
78336.
334.100
± 0.500
691
283136.
4225020.
668
191488.
2544120.
361.4
RIC
283136.
650
14:42
660
14:56
670
15:09
680
15:23
690
15:36
700
15:50
710
16:03
720
16:17
SCAN
TIME


MEAD COMPUCHEM
RIC + MASS CHROMATOGRAMS
DATA: TC819311A05
SCANS 644 TO
02/05/84 11:54:00
SAMPLE: 2ULS SAMPLE #19311B-053/227 FOR TCDD ON #5
2,3,7,8-TCDD
668
33853.
425895.
692
26383.
343128.
38.2
257
34624.
257.077
± 0.500
667
69259.
900592.
692
46306.
659663.
77.4
320
78272.
320.096
± 0.500
668
90752.
1242870.
691
62848.
919424.
100.0
322
90752.
322.096
± 0.500
691
63744.
885504.
71.2
332
64576.
332.099
± 0.500
668
191488.
2544120.
691
283136.
4225020.
312.8
RIC
283136.
650
14:42
660
14:56
670
15:09
680
15:23
690
700
15:50
710
16:03
720
16:17
730
SCAN
TIME


RIC
02/05/84 11:54:08
SAMPLE: 20LS SAMPLE #19311B-069-227 FOR TCDD ON #5
MEAD COMPUCHEM
DATA: TC819311A05
SCANS 600 TO 620
025943
100.0
602
604
607
610
614
619
161280.
RIC
600
13:
605
13:41
610
13:
615
13:55
SCAN
TIME

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

SAMPLE NUMBER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CompuChem
Lab Sample ID No: 19258
Sample Matrix: Solid
Data Release Authorized By:

Case Number 2333
QC Report No. 173/258 Sample Spike
Contract No.: 68-01-6762
Date Sample Received:

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED: 1-25-84
DATE ANALYZED: 1-31-84
PERCENT MOISTURE:
Associated samples 19257, 19264-70

Multiply Detection limits by 1 ☐ or ☒ 4.95
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or (ug/kg) (circle one)
(2V)	107-02-8	acrolein	50U
(3V)	107-13-1	acrylonitrile	50U
(4V)	71-43-2	benzene * 11	2.5U
(6V)	56-23-5	carbon tetrachloride	2.5U
(7V)	108-90-7	chlorobenzene * 95	2.5U
(10V)	107-06-2	1,2-dichloroethane * 12	2.5U
(11V)	71-55-6	1,1,1-trichloroethane	2.5U
(13V)	75-34-3	1,1-dichloroethane	2.5U
(14V)	79-00-5	1,1,2-trichloroethane	2.5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	2.5U
(16V)	75-00-3	chloroethane	2.5U
(19V)	110-75-8	2-chloroethylvinyl ether	2.5U
(23V)	67-66-3	chloroform	2.5U
(29V)	75-35-4	1,1-dichloroethene * 12	2.5U
(30V)	156-60-5	1,2-trans-dichloroethene	2.5U
(32V)	78-87-5	1,2-dichloropropane	2.5U
(33V)	10061-02-6	trans-1,3-dichloropropene	2.5U
	10061-01-05	cis,1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	2.5U
(44V)	75-09-2	methylene chloride * 300	2.5U
(45V)	74-87-3	chloromethane	2.5U
(46V)	74-83-9	bromomethane	2.5U
(47V)	75-25-2	bromoform	2.5U
(48V)	75-27-4	bromodichloromethane	2.5U
(49V)	75-69-4	fluorotrichloromethane * 40	2.5U
(51V)	124-48-1	chlorodibromomethane	2.5U
(85V)	127-18-4	tetrachloroethene	2.5U
(86V)	108-88-3	toluene * 11	2.5U
(87V)	79-01-6	trichloroethene * 11	2.5U
(88V)	75-01-4	vinyl chloride	2.5U
	67-64-1	acetone	50U
	78-93-3	2-butanone	100U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	50U
	108-10-1	4-methyl-2-pentanone	50U
	100-42-5	styrene	2.5U
	108-05-4	vinyl acetate	5U
	95-47-6	o-xylene	2.5U

Correction factor not applied to Spike Compounds

* Correction factor 4.95 for the Root.

PESTICIDES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples

Multiply Detection limits by 1 ☐ or ☐
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	72-20-8	endrin	4.0U
(99P)	7421-93-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-1	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxephene	4.0U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples:

		ug/g or ug/kg (circle on
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin 0.16U

000471

025951

VOLATILE LOW SOLID
ORGANICS ANALYSIS DATA SHEET - Page 3

Lab Name: Mead CompuChem

Lab Sample I.D. No. 19258 ☒ SS ☐ DS ☐ Blank

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC(ug/kg)	(Surrogates only) Spike Added(ug/kg)	% Recovery
d8-Toluene	VOA	8.3	10	83
d4-1,2-Dichloroethane	VOA	8.3	10	83
Bromofluorobenzene	VOA	5.8	10	58

025952

LAB SAMPLE I.D. # 019253

COMPUCHEM ORGANICS ANALYSIS DATA SHEET
LIBRARY SEARCH RESULTS OF EXTRANEOUS PEAKS &
ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: V23B

SAMPLE # _____

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ASSESSMENT* RS	OI	UK	ESTIMATED CONC. (UG/KG) OR (UG/L)
1	104	929-37-3	ETHANOL,2-\2-(ETHENYLOXY)ETHOXY\-	66.4	☐	☒	☐	6.6 X 42/36 = 33
~~2~~	~~136~~	~~75-09-2~~	~~METHANE,DICHLORO-~~	~~97.5~~	☐	☐	☐	~~81.~~
3	623	541-05-9	CYCLOTRISILOXANE,HEXAMETHYL-	56.9	☐	☐	☐	78.
	1.020	10.00						

SPECTROSCOPIST 714

DATE 2/1/84

(*) RS - REASONABLE IDENTIFICATION, RETENTION TIME COMPATIBILITY
OI - OR ISOMER
UK - UNKNOWN: LIBRARY SEARCH RESULT UNREASONABLE OR OF VERY LOW PURITY

53

31

№ 1107

ASSIGNED TO [illegible] DATE 1/25/84

Sample Number	Prep Code	Case No.	QC Sample Type	QC Sample Original	Sample Weight (g) Volume (ml)	Date Comp.	Screens LIQ	Screens S	Screens L	Screens M	Comments
~~19256R~~	111	2331									~~1/24/84~~
~~19266R~~		2331									~~1/24/84~~
~~19276R~~		2331									~~1/24/84~~
						1-25-84					
19258	111	2333	SS	19257	10.20			/			
19259		2333	SS	19257	10.50			/			
19257		2333			10.01			/			
19264		2333			10.33			/			
19265		2333			10.45			/			
19266		2333			10.81			/			
19267		2333			10.00		/				
19268		2333			10.32						
19269		2333			10.60						
19270		2333			10.48						
19320		2336			10.10						
19321		2336	SS	19320	10.40						} use 19320 only
19322		2336	SS	19320	10.60						} use 19320 only
	↓										
19365			B								
19366			B								
19367			B								

Surrogate No. _____
Amount _____
Lot _____

Schedule Reference _____
Manual Counter 114/342

LE MR 1-26 LW 1-25

COMPOUND LIST NO. _____ COMPUCHEM NO. 1925F DATE _____ 1

IDENTIFIER VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE	x CORRECTION FACTOR =	RESULTS (ug/kg)	DETECTION LIMIT(ug/kg)	
2.	221	CHLOROMETHANE		4.95 *		2.5	
3.	220	BROMOMETHANE				2.5	
4.	231	VINYL CHLORIDE				2.5	
5.	209	CHLOROETHANE.....				2.5	
6.	222	METHYLENE CHLORIDE	61		300	2.5	
7.	252	ACETONE				50	
8.	201	ACROLEIN				50	
9.	202	ACRYLONITRILE				50	
10.	230	TRICHLOROFLUOROMETHANE ...	8.1		40	2.5	
11.	254	CARBON DISULFIDE				5	
12.	216	1,1-DICHLOROETHYLENE	12		12 ‡	2.5	
13.	214	1,1-DICHLOROETHANE				2.5	
14.	226	TRANS-1,2-DICHLOROETHYLENE				2.5	
15.	211	CHLOROFORM				2.5	
16.	215	1,2-DICHLOROETHANE	2.7		13	2.5	
17.	253	2-BUTANONE				100	
18.	227	1,1,1-TRICHLOROETHANE				2.5	x 4
19.	206	CARBON TETRACHLORIDE				2.5	
21.	257	VINYL ACETATE				5	
22.	212	BROMODICHLOROMETHANE				2.5	
23.	217	1,2-DICHLOROPROPANE				2.5	
24.	250	TRANS-1,3-DICHLOROPROPENE.				2.5	
25.	229	TRICHLOROETHYLENE	11		11 ‡	2.5	
26.	203	BENZENE	11		11 ‡	2.5	
27.	228	1,1,2-TRICHLOROETHANE				2.5	
28.	218	CIS-1,3, DICHLOROPROPENE..				5	
29.	208	DIBROMOCHLOROMETHANE				2.5	
30.	210	CHLOROETHYLVINYL ETHER....				2.5	
31.	205	BROMOFORM				2.5	
32.	256	4-METHYL-2-PENTANONE				50	
34.	255	2-HEXANONE				50	
35.	223	1,1,2,2-TETRACHLOROETHANE.				2.5	

PLEASE COMPLETE CORRECTION FACTOR CALCULATIONS ON SECOND SHEET OF THE COMPOUND LIST!!!

003675 025953

COMPOUND LIST NO. _____ COMPUCHEM NO. _____ DATE _____

IDENTIFIER VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE	x CORRECTION FACTOR	= RESULTS (ug/kg)	DETECTION LIMIT(ug/kg
36.	224	TETRACHLOROETHENE.....		4.95*		2.5
37.	225	TOLUENE.....	11		11	2.5
38.	207	CHLOROBENZENE.....	95		95	2.5 x 4.95*
39.	219	ETHYLBENZENE				2.5
40.	251	STYRENE.....				2.5
41.	239	O-XYLENE.....				2.5

* correction factor not applied to spike compounds, which are added independently of sample amount

COMPOUND NUMBER	SURROGATE COMPOUNDS	QUANT. REPORT VALUE	AMOUNT SPIKED	% † RECOVERY	% RECOVERY WINDOW
258	D_4-1,2,DICHLOROETHANE (SURR)	8.26	10.0	83	(50-150)*
233	D_8-TOLUENE (SURR).....	8.30	10.0	83	(81-120)
247	BROMOFLUOROBENZENE (SURR)..	5.84	10.0	58	(57-137)*

*Advisory Limits

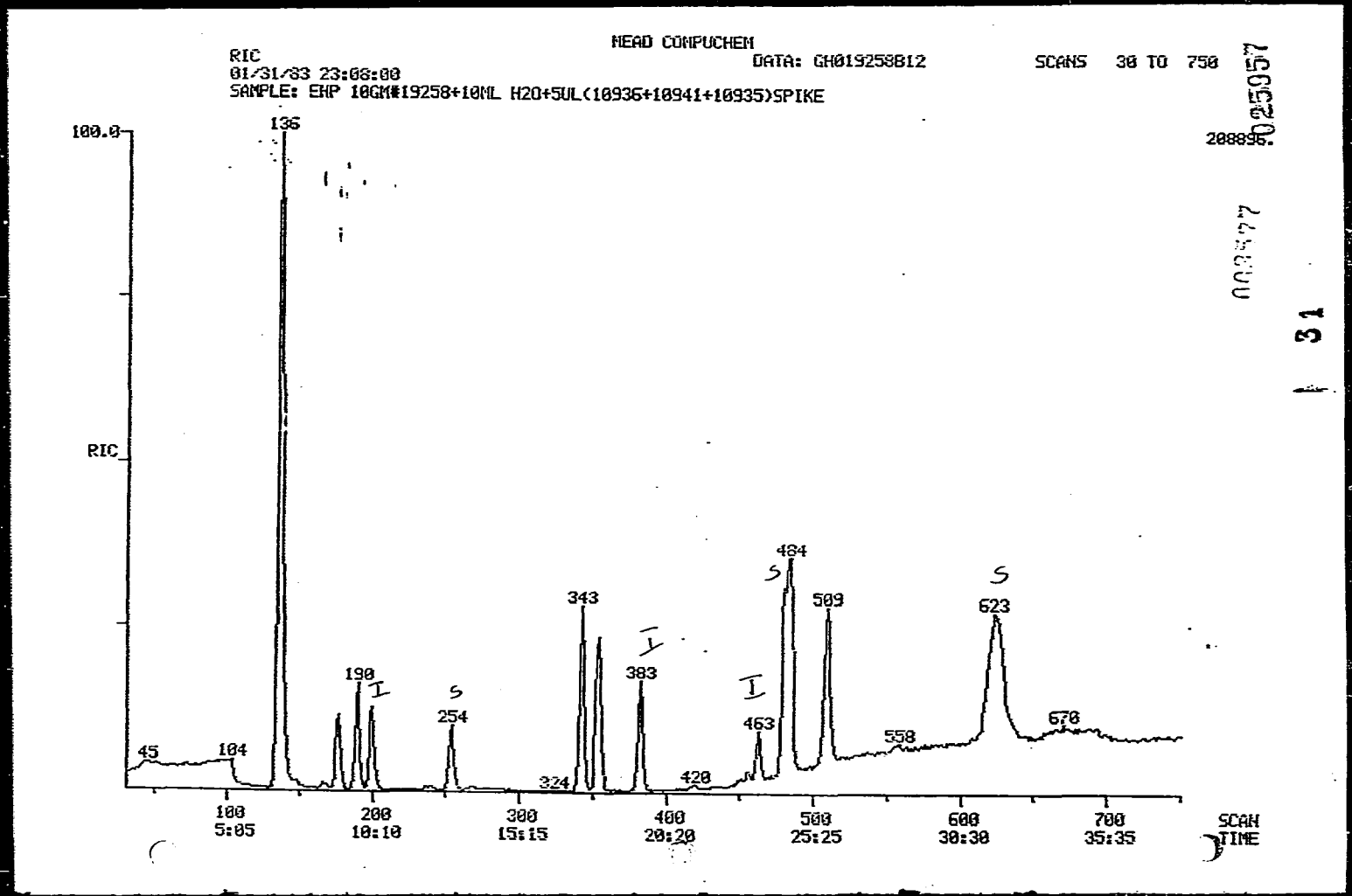
† % Recovery = $\frac{\text{Quant. Report Value}}{\text{Amount Spiked}}$ x 100%

CORRECTION FACTOR CALCULATION: Instrument Code 238

$\frac{10\ g}{\text{Wet Wt. of sample used}}$ x Dilution Factor x Dry Weight Factor =

$\frac{10\ g}{10.20\ g}$ x 1 x 5.05 = 4.95*

JRT 11/83


MEAD COMPUCHEM
RIC
01/31/83 23:08:00
DATA: GH019258B12
SCANS 30 TO 750
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
100.0
RIC
136
190
I
S
254
343
I
383
I
463
S
484
509
S
623
45
104
324
420
558
670
100
5:05
200
10:10
300
15:15
400
20:20
500
25:25
600
30:30
700
35:35
SCAN
TIME

PROCEDURE: RK DIAGNOSTIC REPORT 1/31/83 23:44:.
DATA FILE: GH019258B12
REFERENCE: V238
METHOD: V238 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: V238S1

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	104	44	13	1	47	V238S1/V238U1

44 COMPOUNDS PROCESSED, 13 FOUND

COMPOUND			SEARCH					SAT		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	-M/E-	TOP	DELTA	PEAK
1	P5	1	199	200	200	.	1	927	.	130	-199	-1	
2	P6	1	383	383	382	-1	1	679	.	79	383	1	
3	P7	1	463	462	463	1	1	983	.	55	463	.	
4	P5	2	-37	38	.	.	.	.	.	50	.	.	
5	P5	3	57	57	.	.	.	.	.	94	.	.	
6	P5	4	70	70	.	.	.	.	.	62	.	.	
7	P5	5	92	92	.	.	.	.	.	64	.	.	
8	P5	6	-136	136	.	.	.	.	.	84	136	.	
9	P5	7	147	147	.	.	.	.	.	58	148	.	
10	P5	8	-147	147	.	.	.	.	.	56	.	.	
11	P5	9	162	162	.	.	.	.	.	53	.	.	
12	P5	10	177	177	177	.	1	904	.	101	177	.	
13	P5	11	166	166	167	1	1	924	.	76	167	.	
14	P5	12	190	190	190	.	1	912	.	96	190	.	
15	P5	13	216	216	.	.	.	.	.	65	.	.	
16	P5	14	230	230	.	.	.	.	.	96	.	.	
17	P5	15	-241	241	.	.	.	.	.	83	241	.	
18	P5	16	256	256	.	.	.	.	.	62	256	.	
19	P5	17	254	254	.	.	.	.	.	72	253	.	
20	P5	18	282	282	.	.	.	.	.	97	.	.	
21	P5	19	290	290	.	.	.	.	.	117	.	.	
22	P6	2	291	291	.	.	.	.	.	43	.	.	
23	P6	3	299	299	.	.	.	.	.	127	.	.	
24	P6	4	327	327	.	.	.	.	.	65	.	.	
25	P6	5	332	332	.	.	.	.	.	75	.	.	
26	P6	6	343	343	343	.	1	931	.	130	342	-1	
27	P6	7	354	354	354	.	1	982	.	78	354	.	
28	P6	8	357	357	.	.	.	.	.	97	.	.	
29	P6	9	-357	357	.	.	.	.	.	75	354	.	1
30	P6	10	-355	355	.	.	.	.	.	127	.	.	
31	P6	11	379	379	.	.	.	.	.	63	.	.	
32	P6	12	409	409	.	.	.	.	.	173	410	.	2
33	P6	13	419	419	.	.	.	.	.	58	420	.	2
34	P7	2	450	450	.	.	.	.	.	58	450	.	1
35	P7	3	-456	456	.	.	.	.	.	83	456	.	1
36	P7	4	456	456	.	.	.	.	.	164	.	.	
37	P7	5	484	484	484	.	1	968	.	92	484	.	1
38	P7	6	509	509	509	.	1	959	.	112	509	.	1
39	P7	7	557	557	.	.	.	.	.	106	559	.	3
40	P7	8	660	660	.	.	.	.	.	104	659	.	2
41	P7	9	692	692	.	.	.	.	.	106	691	.	3
42	P8	2	-254	254	254	.	1	925	.	65	254	.	1
43	P8	3	480	480	480	.	1	972	.	100	480	.	1
44	P8	4	621	621	621	.	1	959	.	176	621	.	1

025053

31

QUANTITATION REPORT FILE: GH019258B12

DATA: GH019258B12.TI
01/31/83 23:08:00
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
SUBMITTED BY: 12 ANALYST: 673

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	201 ACROLEIN
9	202 ACRYLONITRILE
10	230 TRICHLOROFLUOROMETHANE
11	254 CARBON DISULFIDE
12	216 1,1-DICHLOROETHYLENE
13	214 1,1-DICHLOROETHANE
14	226 TRANS-1,2-DICHLOROETHYLENE
15	211 CHLOROFORM
16	215 1,2-DICHLOROETHANE
17	253 2-BUTANONE
18	227 1,1,1-TRICHLOROETHANE
19	206 CARBON TETRACHLORIDE
20	* 2-BROMO-1-CHLOROPROPANE
21	257 VINYL ACETATE
22	212 BROMODICHLOROMETHANE
23	217 1,2-DICHLOROPROPANE
24	250 TRANS-1,3-DICHLOROPROPENE
25	229 TRICHLOROETHYLENE
26	203 BENZENE
27	228 1,1,2-TRICHLOROETHANE
28	218 CIS-1,3-DICHLOROPROPENE
29	208 DIBROMOCHLOROMETHANE
30	210 2-CHLOROETHYL VINYL ETHER
31	205 BROMOFORM
32	256 4-METHYL-2-PENTANONE
33	* DICHLOROBUTANE
34	255 2-HEXANONE
35	223 1,1,2,2-TETRACHLOROETHANE
36	224 TETRACHLOROETHENE
37	225 TOLUENE
38	207 CHLOROBENZENE
39	219 ETHYLBENZENE
40	251 STYRENE
41	239 O-XYLENE
42	# D4-1,2-DICHLOROETHANE
43	# D8-TOLUENE
44	# BROMOFLUOROBENZENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT

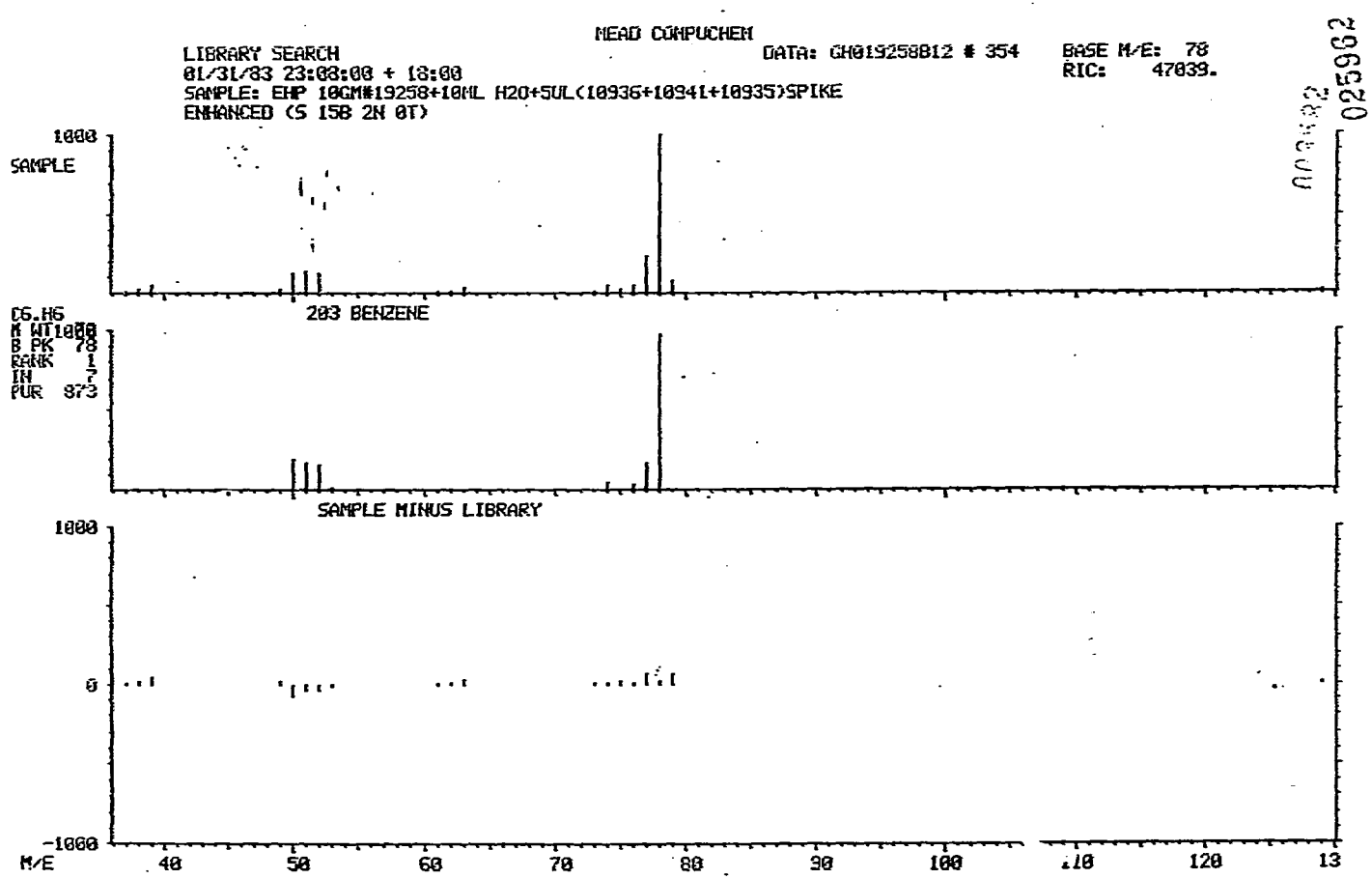
00[illegible]025953

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT	
1	130	199	10:07	1	1.000	A BB	26917.	10.000	UG/KG	5.01	
2	NOT FOUND										
3	NOT FOUND										
4	NOT FOUND										
5	NOT FOUND										
6	84	136	6:55	1	0.683	A BV	269236.	60.982	UG/KG	30.55	ys
7	58	148	7:31	1	0.744	A BB	840.	4.703	UG/KG	2.36	
8	NOT FOUND										
9	NOT FOUND										
10	101	177	9:00	1	0.889	A BB	42542.	8.155	UG/KG	4.09	ys
11	76	167	8:29	1	0.839	A BV	8470.	0.763	UG/KG	0.38	
12	96	190	9:39	1	0.955	A BB	29909.	12.586	UG/KG	6.31	ys
13	NOT FOUND										
14	NOT FOUND										
15	83	241	12:15	1	1.211	A BB	2472.	0.444	UG/KG	0.22	
16	62	256	13:01	1	1.286	A BB	8105.	2.742	UG/KG	1.37	ys
17	72	253	12:52	1	1.271	A BB	1648.	5.609	UG/KG	2.81	
18	NOT FOUND										
19	NOT FOUND										
20	79	383	19:28	20	1.000	A BB	18050.	10.000	UG/KG	5.01	
21	NOT FOUND										
22	NOT FOUND										
23	NOT FOUND										
24	NOT FOUND										
25	130	342	17:23	1	1.719	A BB	48572.	11.178	UG/KG	5.60	ys
26	78	354	18:00	1	1.779	A BV	100894.	11.429	UG/KG	5.73	ys
27	NOT FOUND										
28	75	354	18:00	1	1.779	A BB	1723.	0.706	UG/KG	0.35	
29	NOT FOUND										
30	NOT FOUND										
31	173	410	20:50	1	2.060	A*BB	487.	0.157	UG/KG	0.08	
32	58	420	21:21	1	2.111	A*BB	3044.	2.826	UG/KG	1.42	
33	55	463	23:32	33	1.000	A BV	25573.	10.000	UG/KG	5.01	
34	58	450	22:52	1	2.261	A BB	2067.	2.400	UG/KG	1.20	
35	83	456	23:11	1	2.291	A BB	4047.	0.688	UG/KG	0.34	
36	NOT FOUND										
37	92	484	24:36	1	2.432	A BB	65849.	10.910	UG/KG	5.47	ys
38	112	509	25:52	1	2.558	A BV	84220.	9.465	UG/KG	4.74	ys
39	106	559	28:25	1	2.809	A*BB	1734.	0.330	UG/KG	0.17	
40	104	659	33:30	1	3.312	A*BB	7104.	0.660	UG/KG	0.33	
41	106	691	35:08	1	3.472	A*VB	3099.	0.472	UG/KG	0.24	
42	65	254	12:55	1	1.276	A BB	24444.	8.257	UG/KG	4.14	
43	100	480	24:24	1	2.412	A BB	57058.	8.295	UG/KG	4.16	
44	176	621	31:34	1	3.121	A BB	31810.	5.843	UG/KG	2.93	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	10:07	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	1:53		0.186			40.00		0.748	
3	2:54		0.286			40.00		1.948	
4	3:33		0.352			40.00		1.174	
5	4:41		0.462			40.00		0.633	
6	6:55	1.00	0.683	1.00	60.98	40.00	2.501	1.640	1.52
7	7:28	1.01	0.739	1.01	4.70	299.99	0.001	0.066	0.02
8	7:28		0.739			399.99		0.092	
9	8:14		0.814			399.99		0.160	
10	9:00	1.00	0.889	1.00	8.15	40.00	0.395	1.938	0.20

025960

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
11	8:26	1.01	0.834	1.01	0.76	40.00	0.079	4.126	0.02
12	9:39	1.00	0.955	1.00	12.59	40.00	0.278	0.883	0.31
13	10:59		1.085			40.00		0.499	
14	11:41		1.156			40.00		1.019	
15	12:15	1.00	1.211	1.00	0.44	40.00	0.023	2.070	0.01
16	13:01	1.00	1.286	1.00	2.74	40.00	0.075	1.098	0.07
17	12:55	1.00	1.276	1.00	5.61	299.99	0.002	0.109	0.02
18	14:20		1.417			40.00		1.510	
19	14:44		1.457			40.00		1.356	
20	19:25	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
21	14:48		1.462			40.00		0.988	
22	15:12		1.503			40.00		0.177	
23	16:37		1.643			40.00		0.378	
24	16:53		1.668			40.00		1.880	
25	17:26	1.00	1.724	1.00	11.18	40.00	0.451	1.614	0.28
26	18:00	1.00	1.779	1.00	11.43	40.00	0.937	3.280	0.29
27	18:09		1.794			40.00		1.154	
28	18:12	0.99	1.799	0.99	0.71	40.00	0.016	0.906	0.02
29	18:03		1.784			40.00		1.432	
30	19:16		1.905			40.00		0.362	
31	20:47	1.00	2.055	1.00	0.16	40.00	0.005	1.153	0.00
32	21:18	1.00	2.106	1.00	2.83	60.00	0.019	0.400	0.05
33	23:32	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
34	22:52	1.00	2.261	1.00	2.40	60.00	0.013	0.320	0.04
35	23:11	1.00	2.291	1.00	0.69	40.00	0.038	2.187	0.02
36	23:11		2.291			40.00		1.378	
37	24:36	1.00	2.432	1.00	10.91	40.00	0.612	2.242	0.27
38	25:52	1.00	2.558	1.00	9.47	40.00	0.782	3.306	0.24
39	28:19	1.00	2.799	1.00	0.33	40.00	0.016	1.950	0.01
40	33:33	1.00	3.317	1.00	0.66	40.00	0.066	3.996	0.02
41	35:11	1.00	3.477	1.00	0.47	40.00	0.029	2.437	0.01
42	12:55	1.00	1.276	1.00	8.26	10.00	0.908	1.100	0.83
43	24:24	1.00	2.412	1.00	8.29	10.00	2.120	2.556	0.83
44	31:34	1.00	3.121	1.00	5.84	10.00	1.182	2.023	0.58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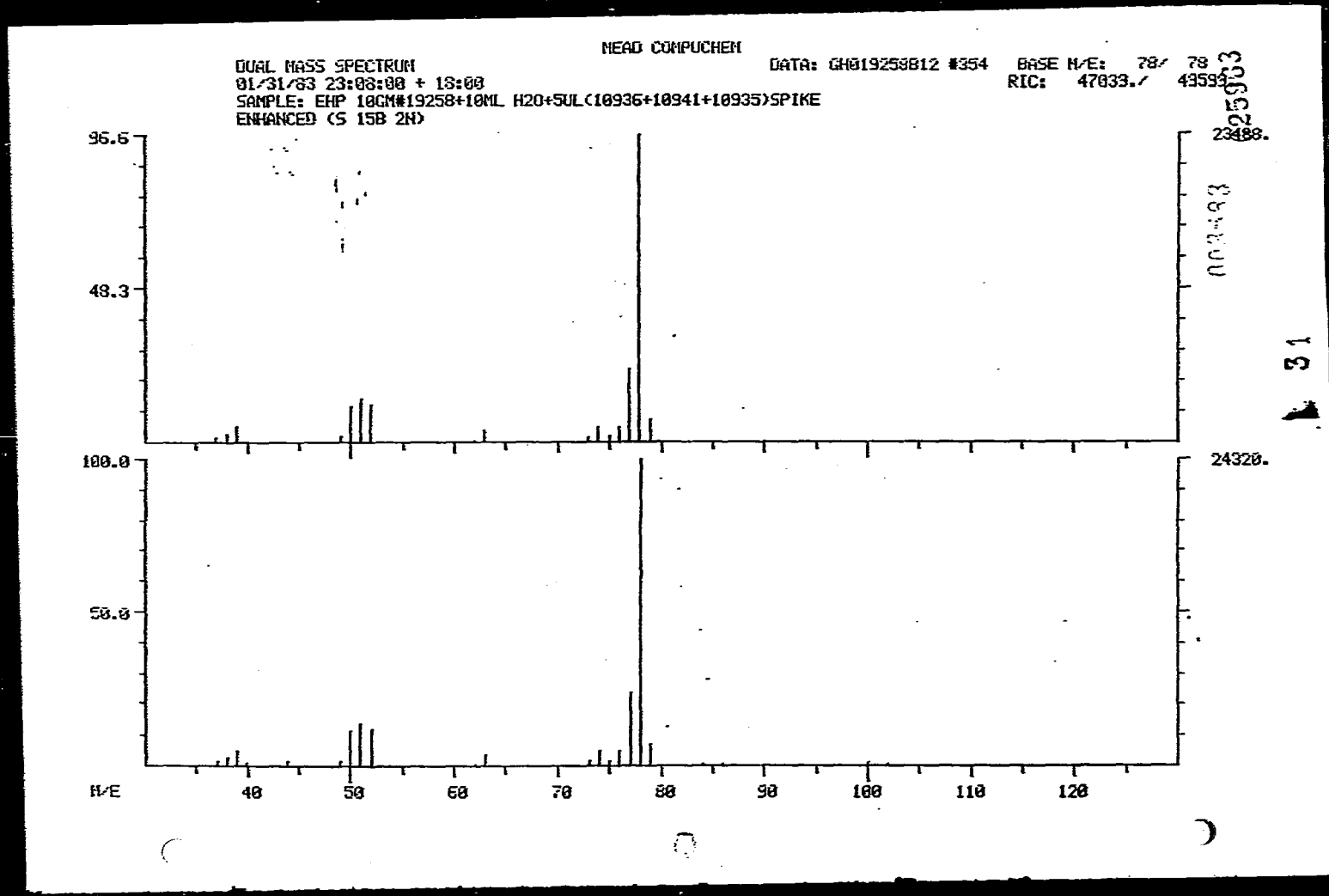
DATA: GH019258B12 # 354
BASE M/E: 78
RIC: 47039.
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2N 0T)
1000
SAMPLE
C6.H6
M WT1000
B PK 78
RANK 1
IN 7
PUR 873
203 BENZENE
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
40
50
60
70
80
90
100
110
120
13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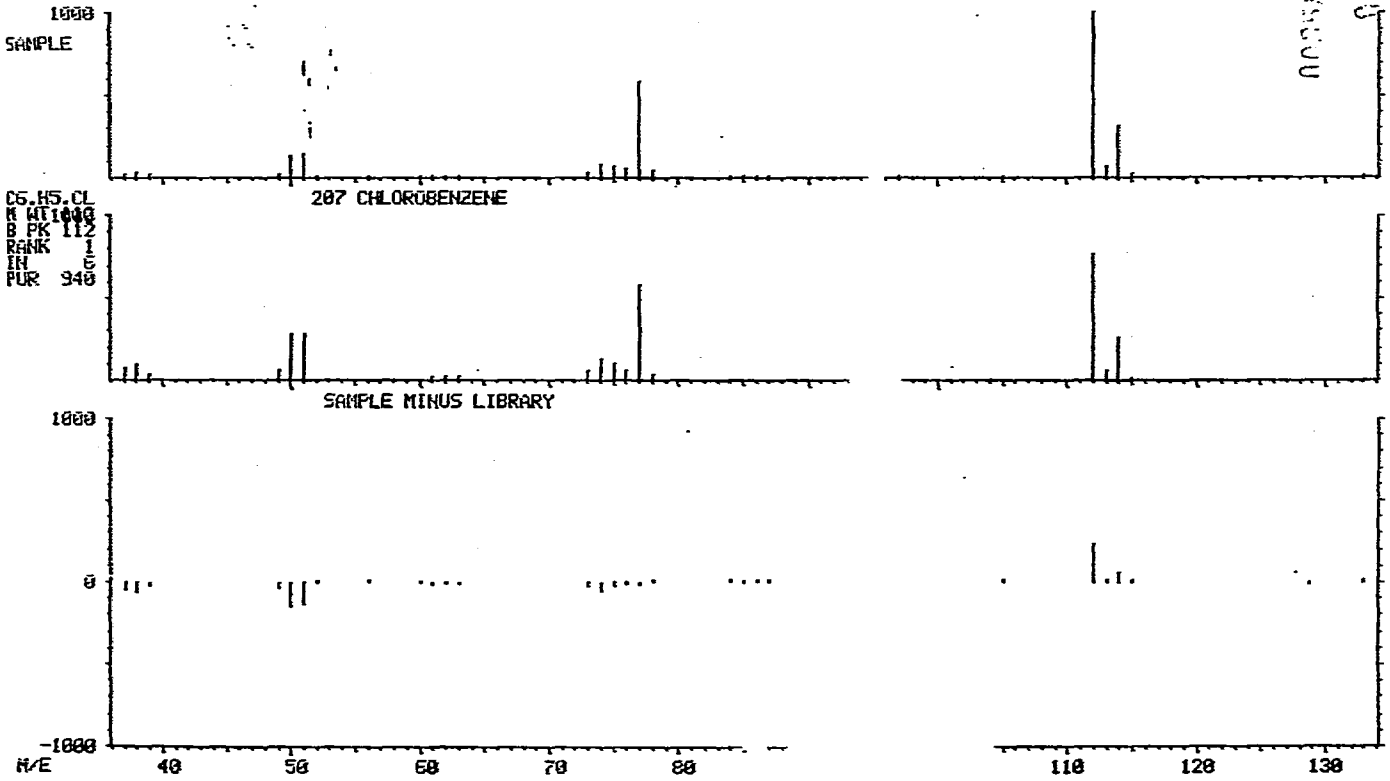
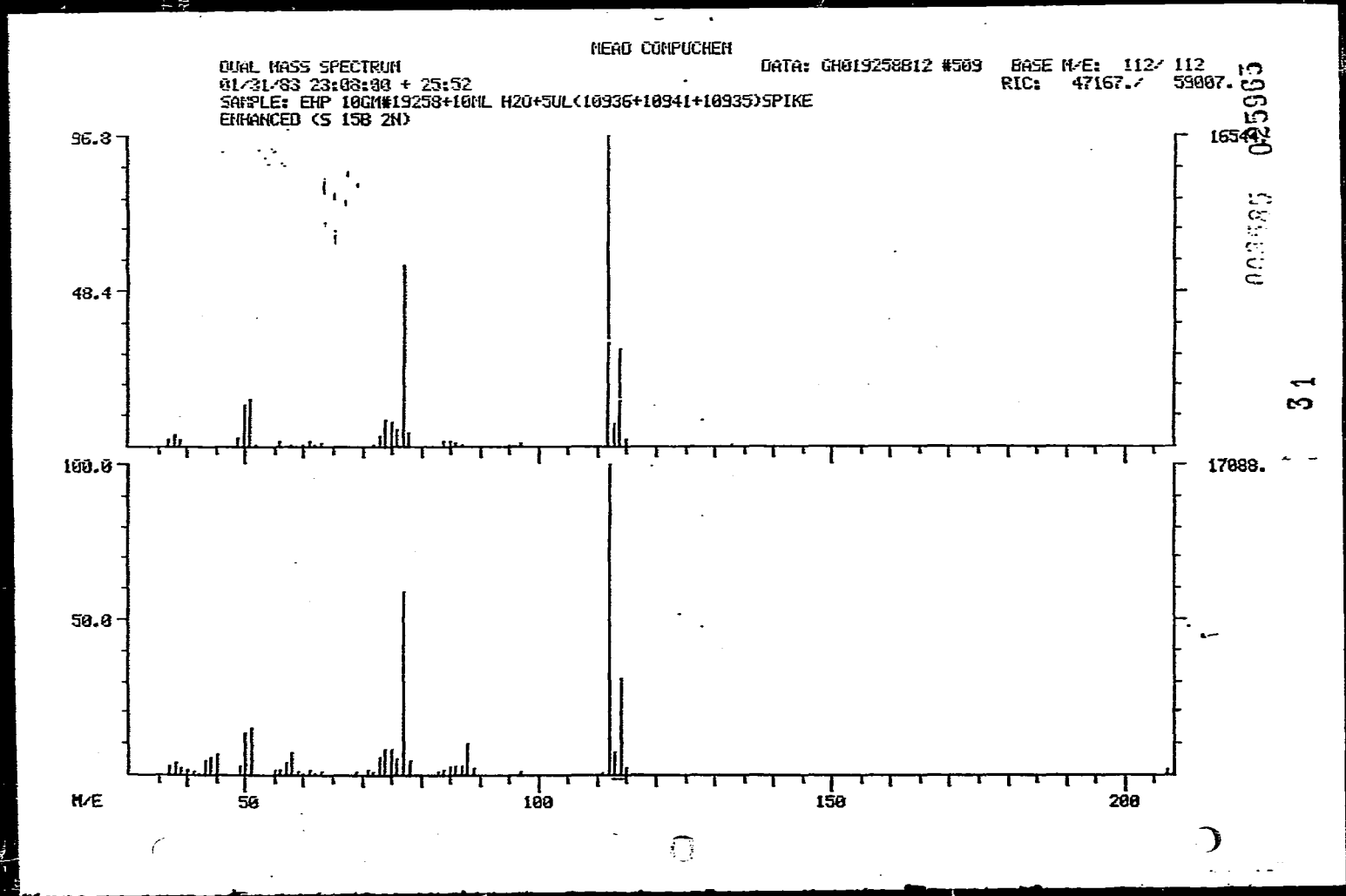
DUAL MASS SPECTRUM
DATA: GH019258812 #354 BASE M/E: 78/ 78
01/31/83 23:08:00 + 18:00
RIC: 47033./ 49593.
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2H)
96.6
48.3
23488.
100.0
50.0
24320.
M/E
40
50
60
70
80
90
100
110
120

MEAD COMPUCHEM

LIBRARY SEARCH DATA: GH019258B12 # 509 BASE M/E: 112
01/31/83 23:08:00 + 25:52 RIC: 46975.
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2N 0T)



31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DUAL MASS SPECTRUM
01/31/83 23:08:00 + 25:52
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
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BASE M/E: 112 112
RIC: 47167. 59007.
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100
150
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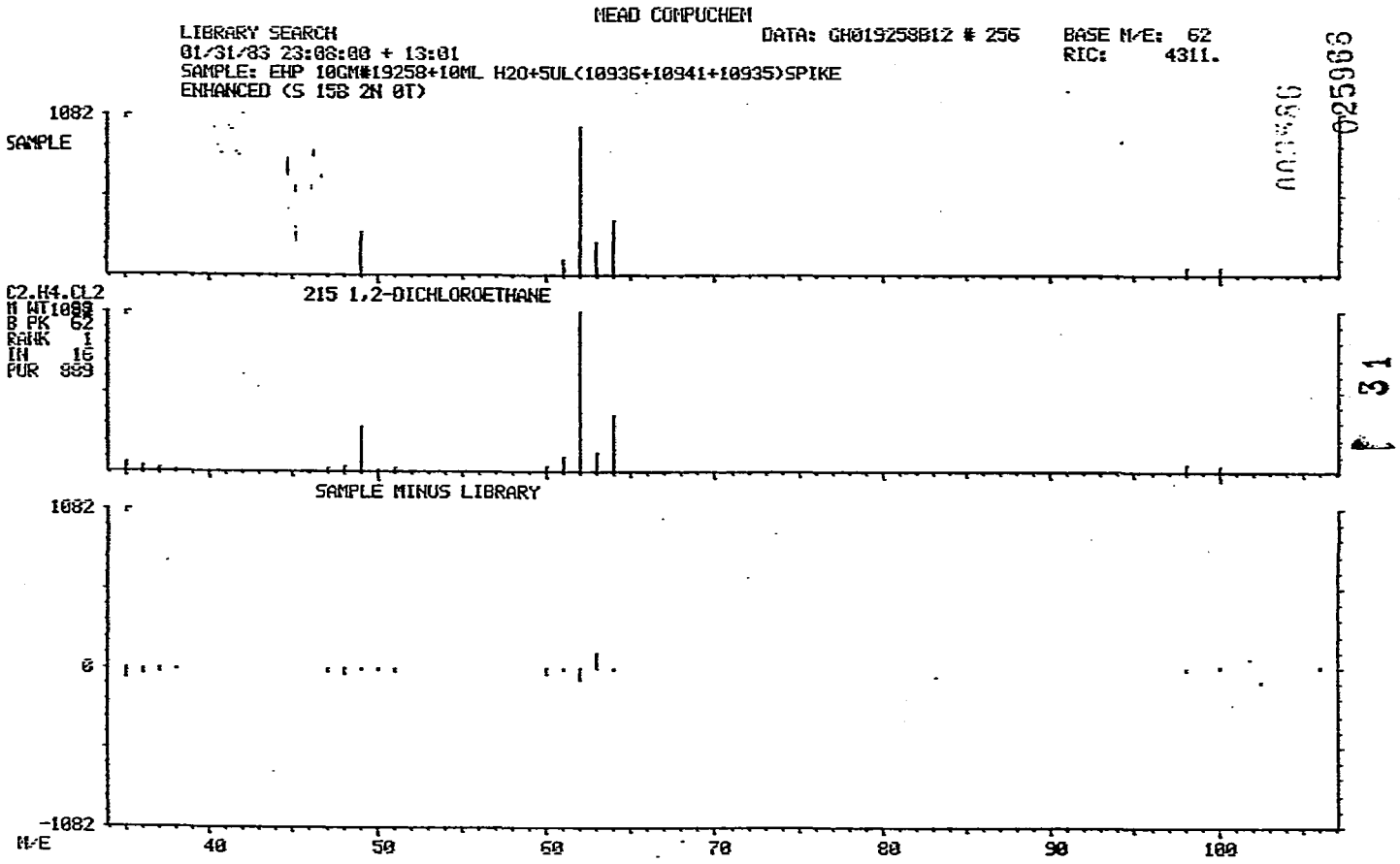
31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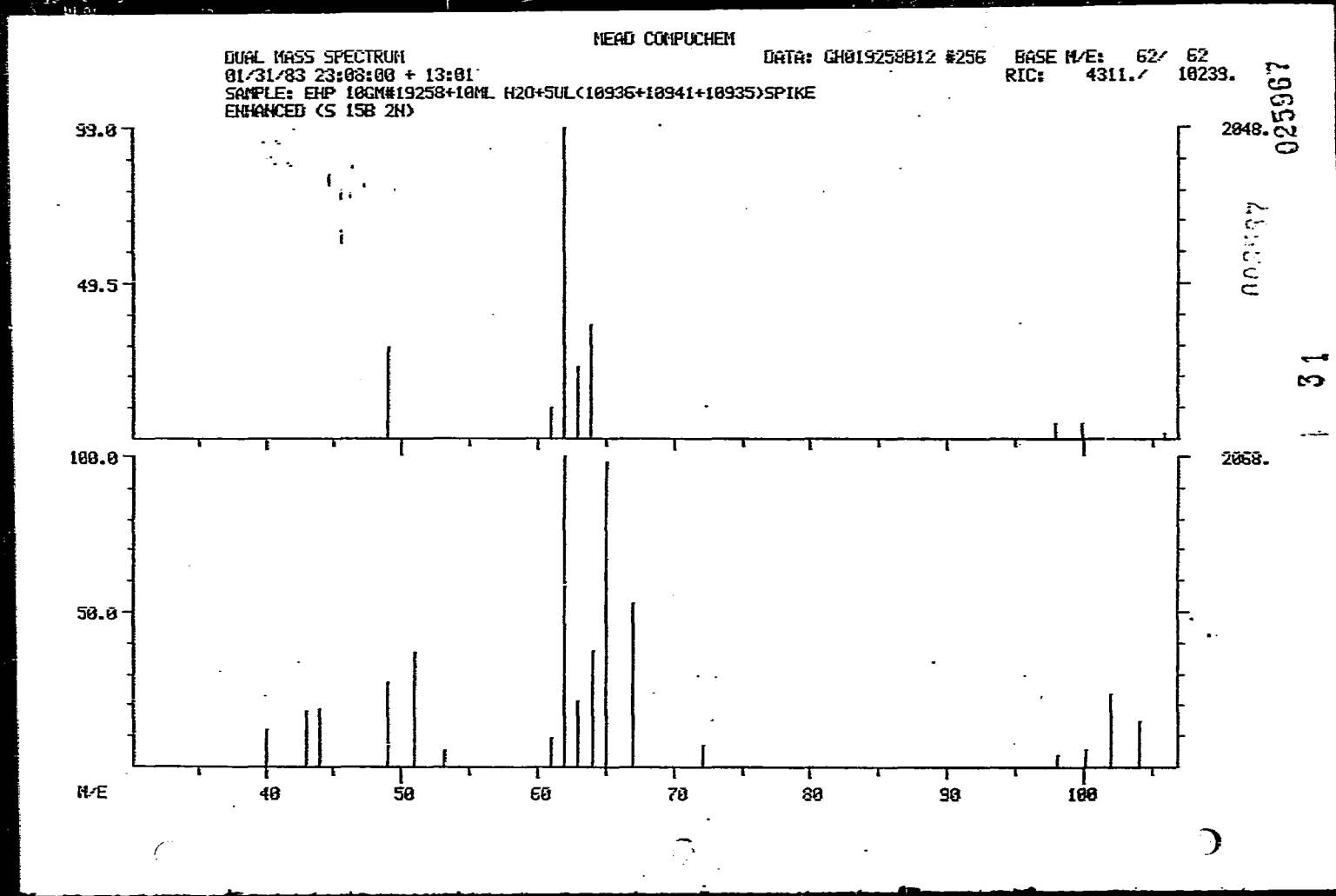
LIBRARY SEARCH
01/31/83 23:08:00 + 13:01
DATA: GH019258B12 # 256
BASE M/E: 62
RIC: 4311.
SAMPLE: EHP 10GM#19258+10ML H2O+SUL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2N 0T)
1082
SAMPLE
C2.H4.CL2
M WT1088
B PK 62
RANK 1
IN 16
PUR 989
215 1,2-DICHLOROETHANE
SAMPLE MINUS LIBRARY
1082
0
-1082
M/E
40
50
60
70
80
90
100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DUAL MASS SPECTRUM
01/31/83 23:08:00 + 13:01
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2N)
DATA: GH019258B12 #256
BASE M/E: 62/ 62
RIC: 4311./ 10239.
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2048.
100.0
50.0
2058.
M/E
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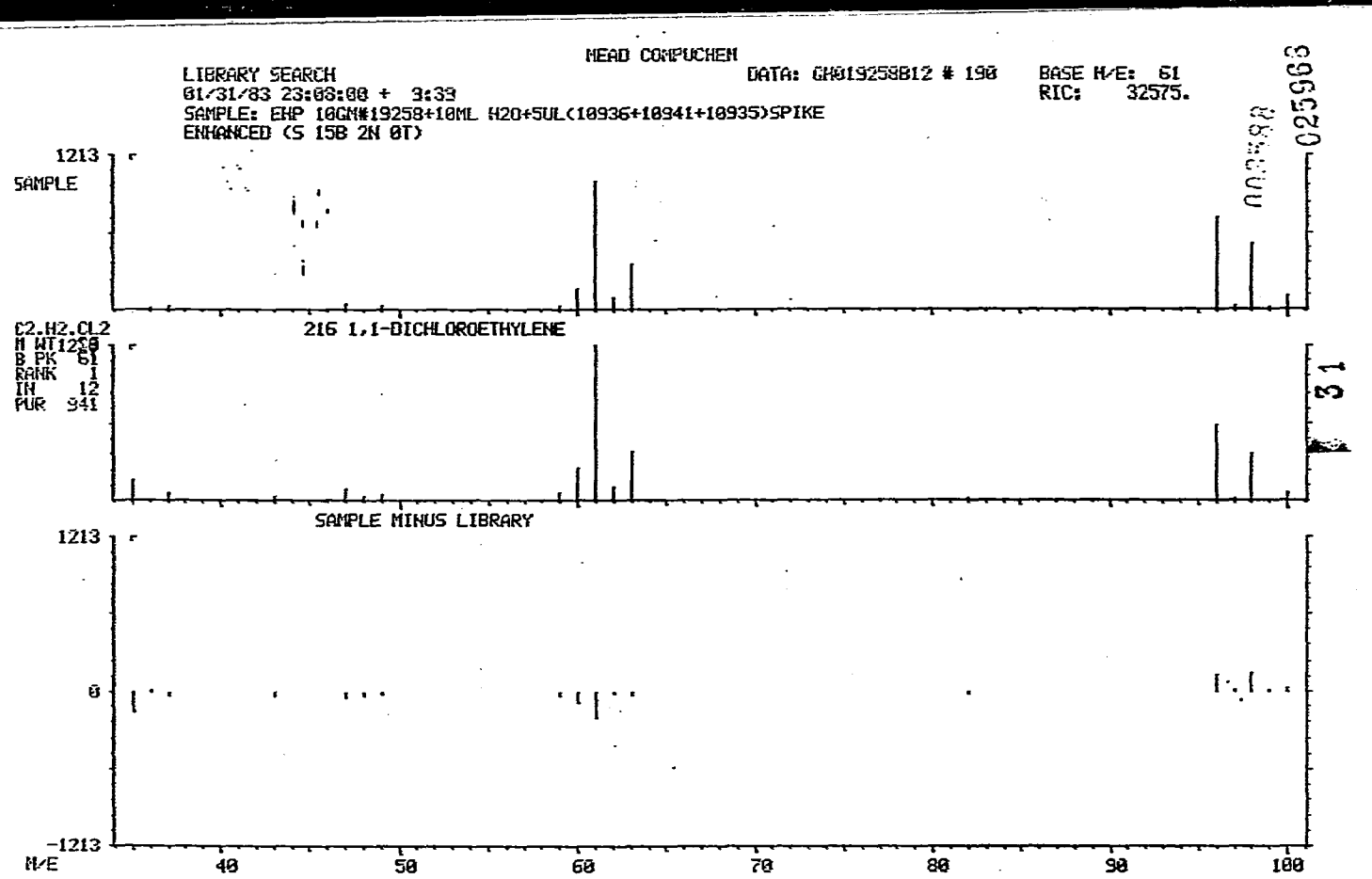
50
60
70
80
90
100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LIBRARY SEARCH
01/31/83 23:08:00 + 3:33
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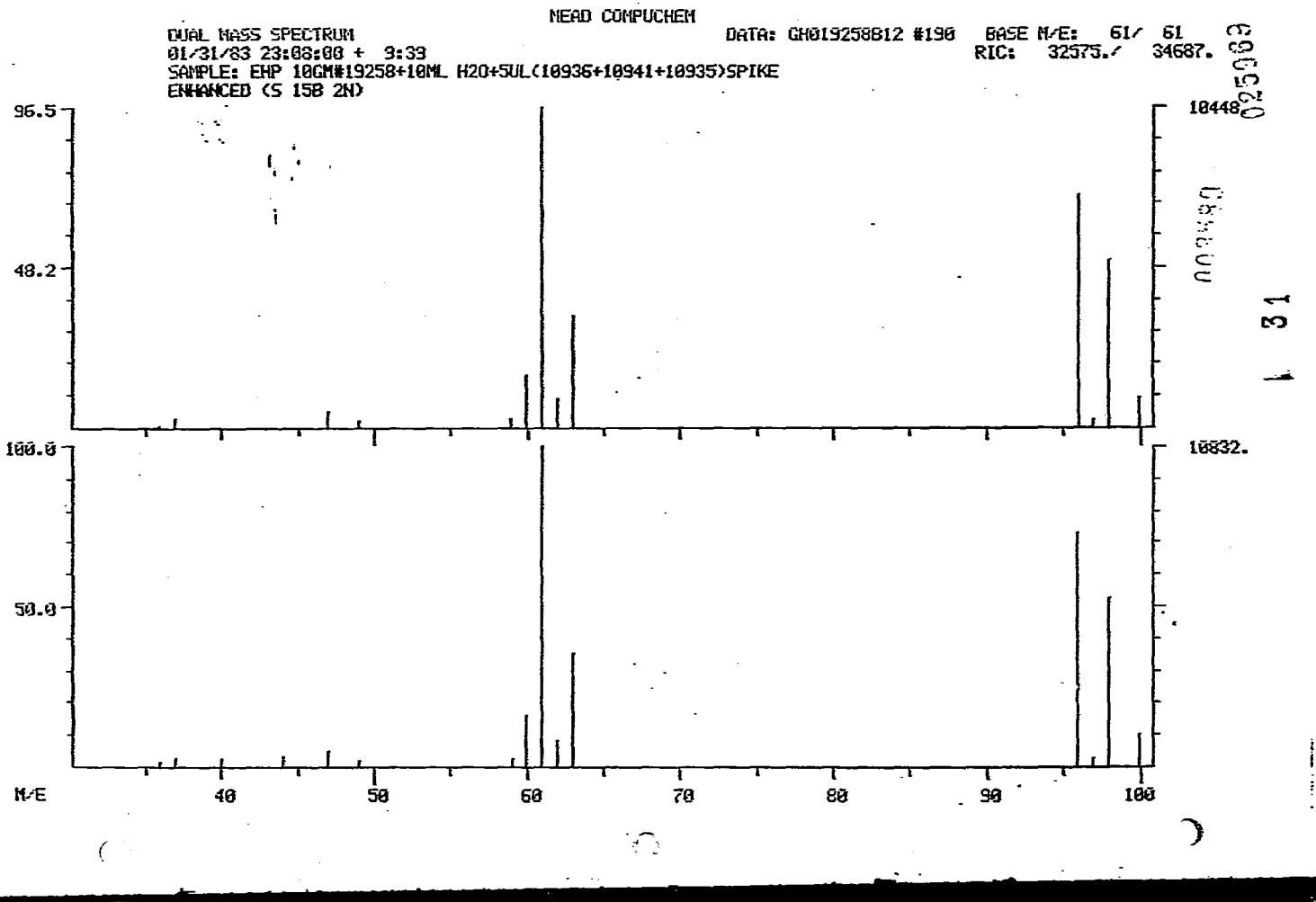
BASE M/E: 61
RIC: 32575.
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2N 0T)
1213
SAMPLE
025963
C2.H2.CL2
M WT1288
B PK 61
RANK 1
IN 12
PUR 941
216 1,1-DICHLOROETHYLENE
31
SAMPLE MINUS LIBRARY
1213
0
-1213
M/E
40
50
60
70
80
90
100


MEAD COMPUCHEM
DUAL MASS SPECTRUM
01/31/83 23:08:00 + 9:33
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2N)
DATA: GH019258B12 #190
BASE M/E: 61/ 61
RIC: 32575./ 34687.
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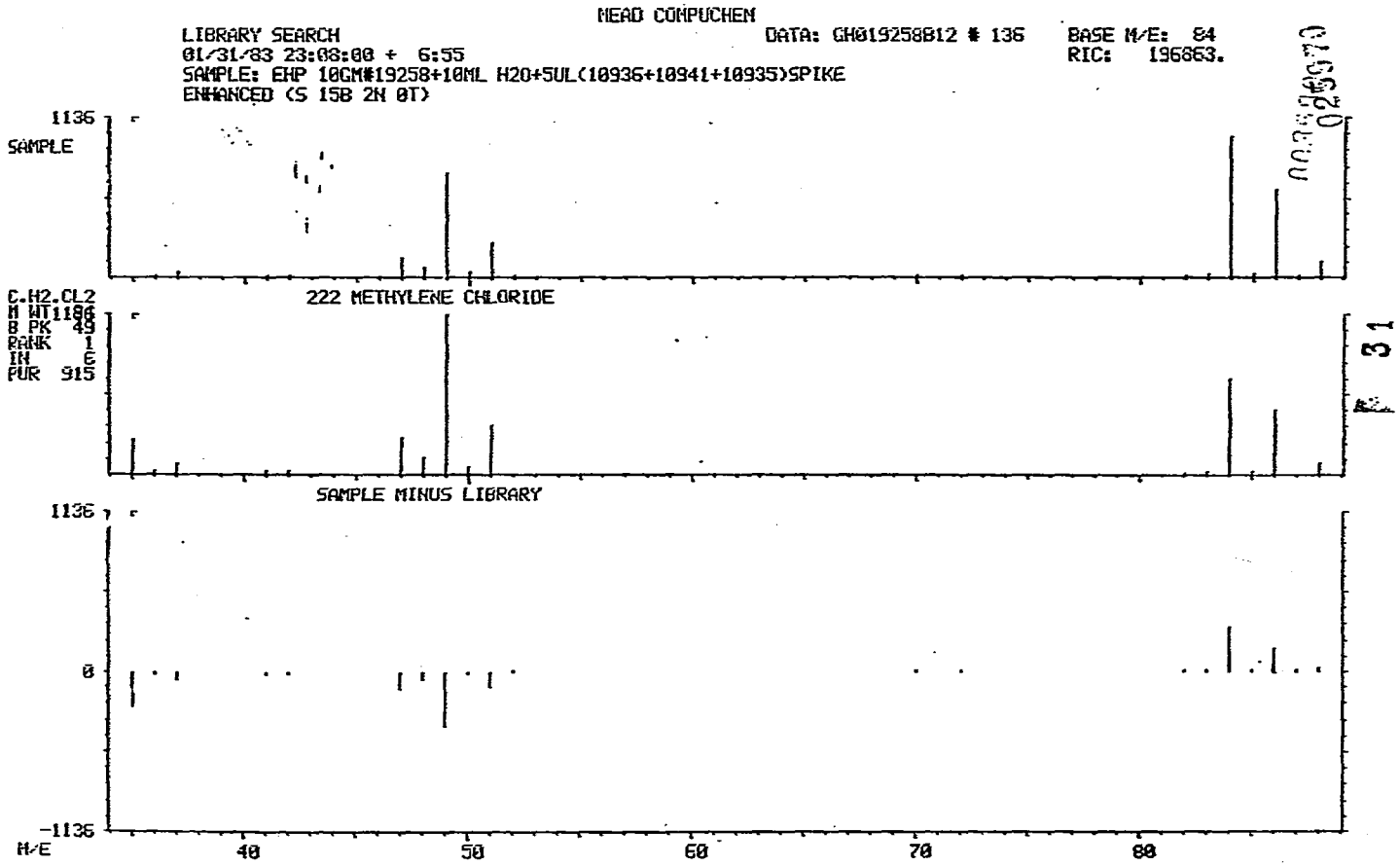
10448
100.0
50.0
10832.
M/E
40
50
60
70
80
90
100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LIBRARY SEARCH
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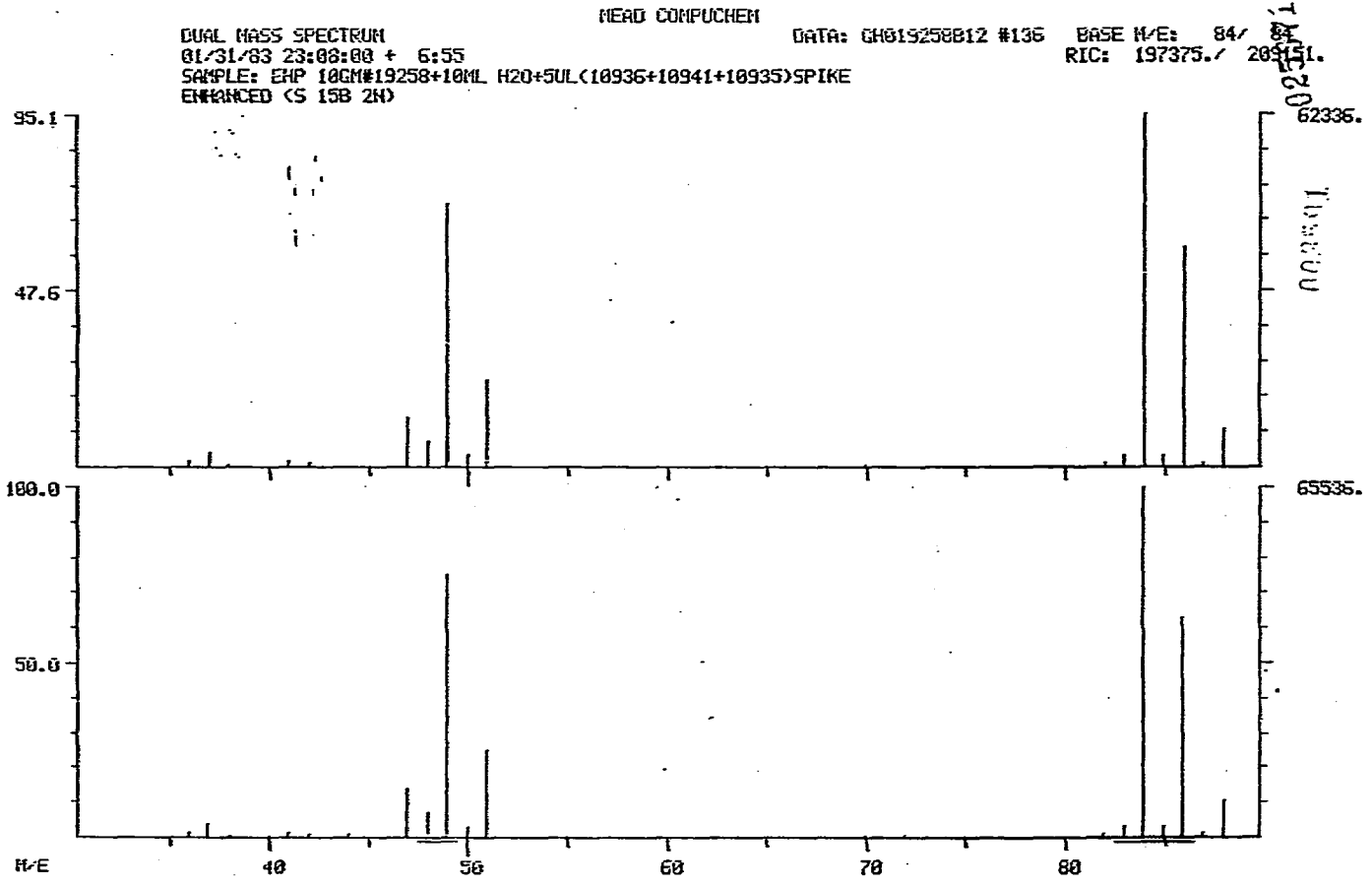
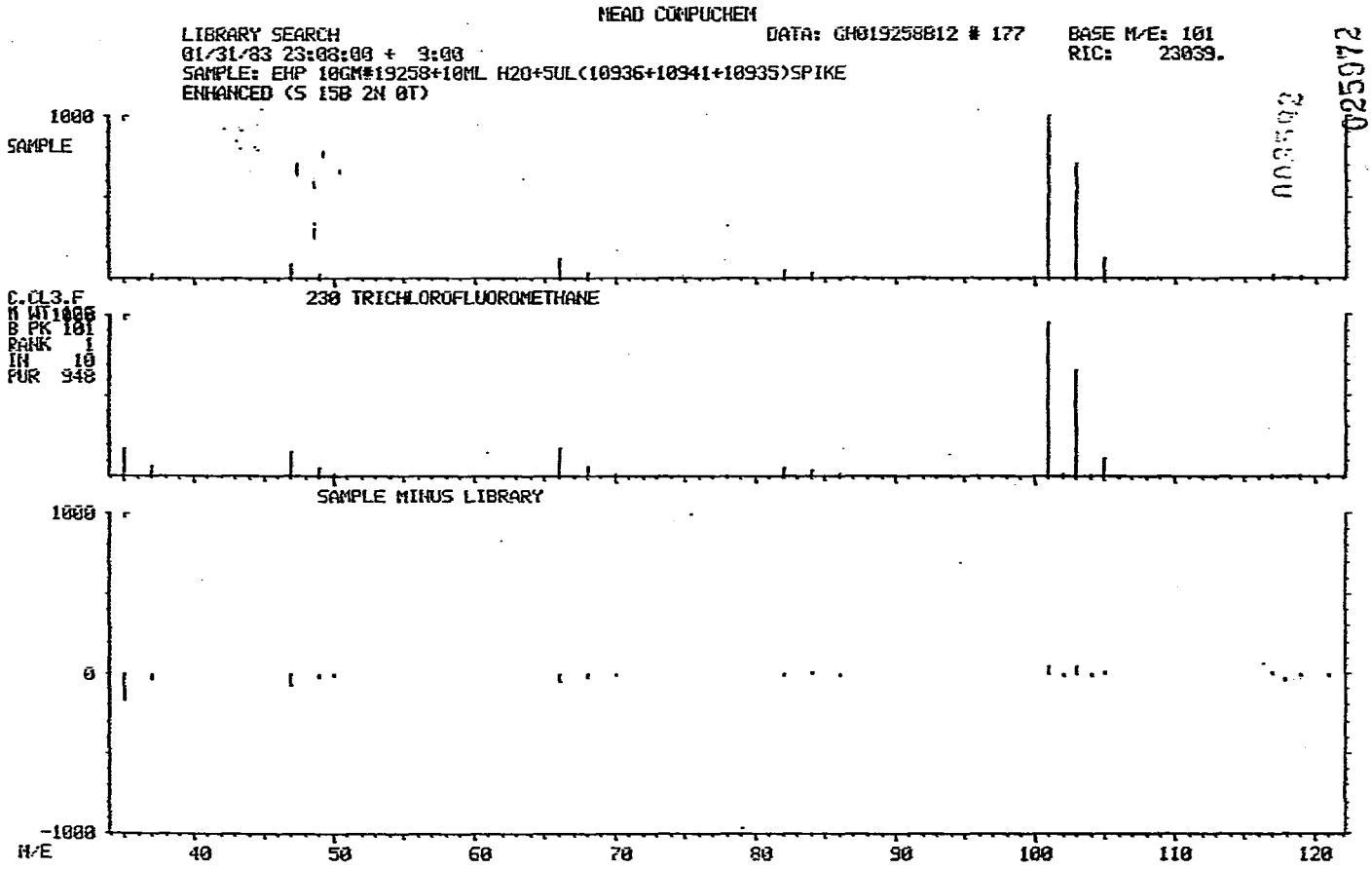
BASE M/E: 84
01/31/83 23:08:00 + 6:55
RIC: 196863.
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2N 0T)
1136
SAMPLE
C.H2.CL2
H WT1186
B PK 49
RANK 1
IN 6
PUR 915
222 METHYLENE CHLORIDE
SAMPLE MINUS LIBRARY
1136
0
-1136
M/E
40
50
60
70
80


MEAD COMPUCHEM
DUAL MASS SPECTRUM
01/31/83 23:08:00 + 6:55
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2N)
DATA: GH019258B12 #136
BASE M/E: 84/
RIC: 197375./
95.1
47.6
100.0
50.0
62336.
65535.
M/E
40
50
60
70
80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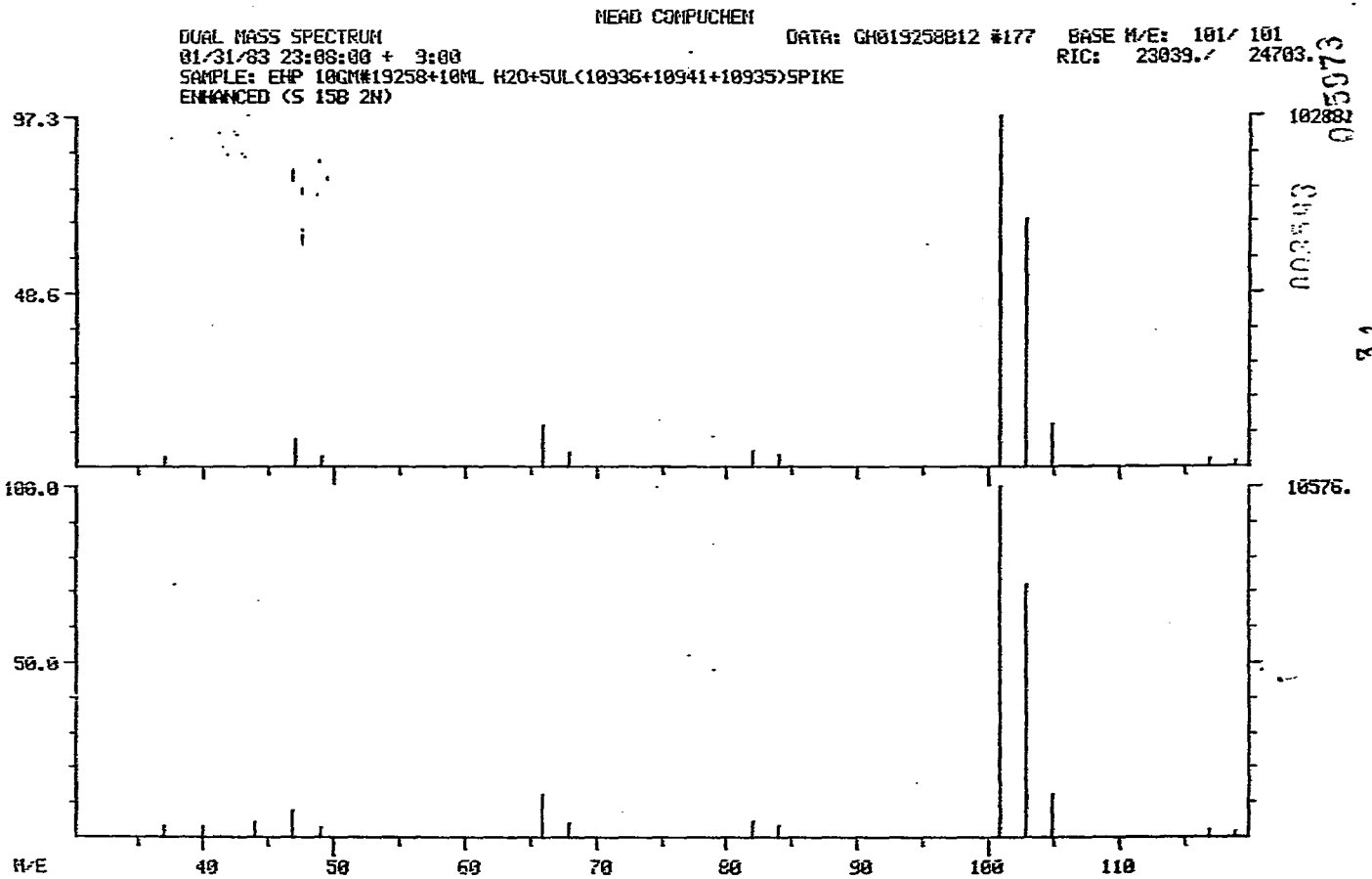
LIBRARY SEARCH
01/31/83 23:08:00 + 3:00
DATA: GH019258812 # 177
BASE M/E: 101
RIC: 23039.
SAMPLE: EHP 10GM#19258+10ML H20+5UL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2N 0T)
1000
SAMPLE
C.CL3.F
M WT1006
B PK 101
RANK 1
IN 10
PUR 948
230 TRICHLOROFLUOROMETHANE
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
40
50
60
70
80
90
100
110
120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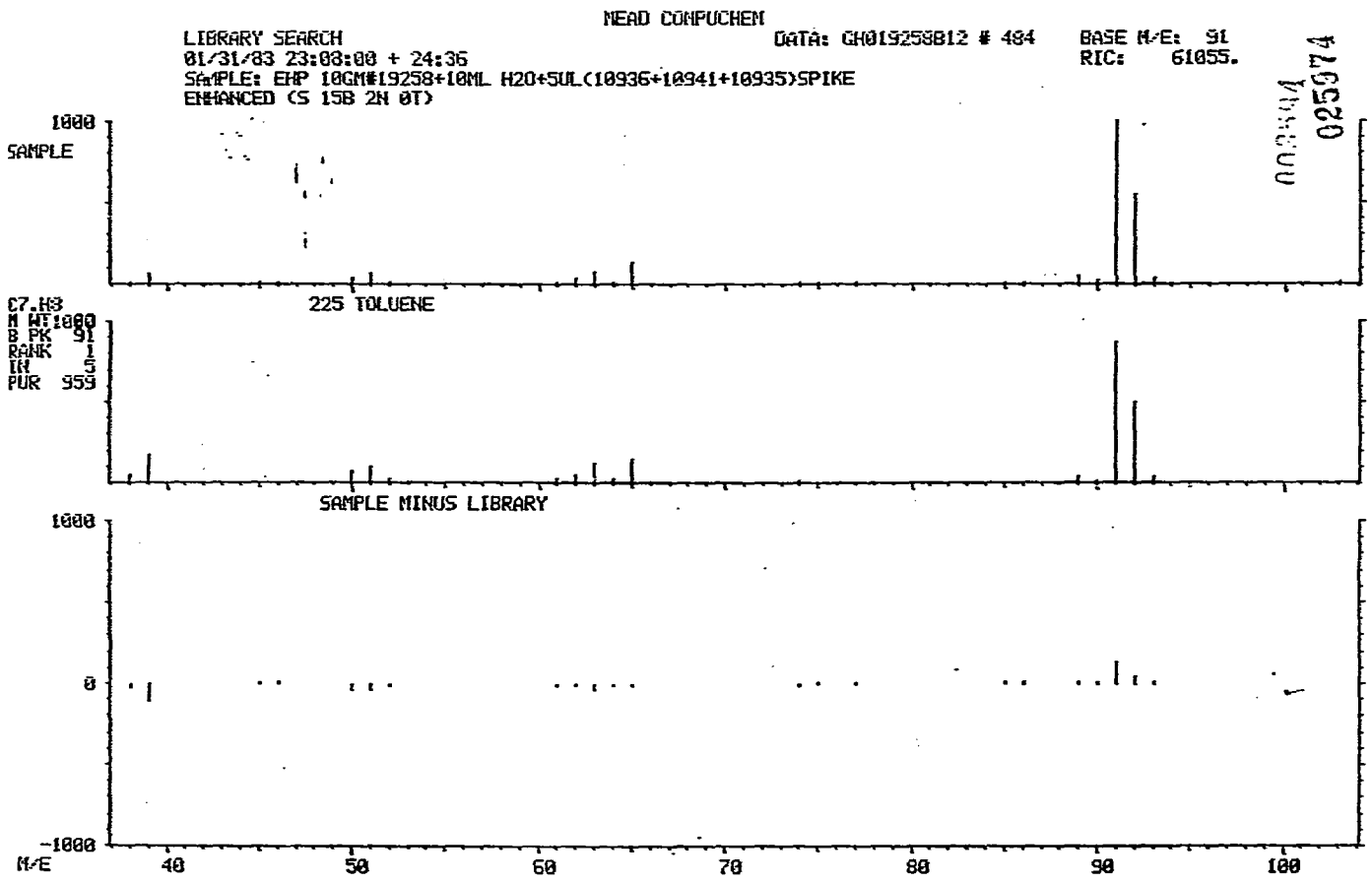
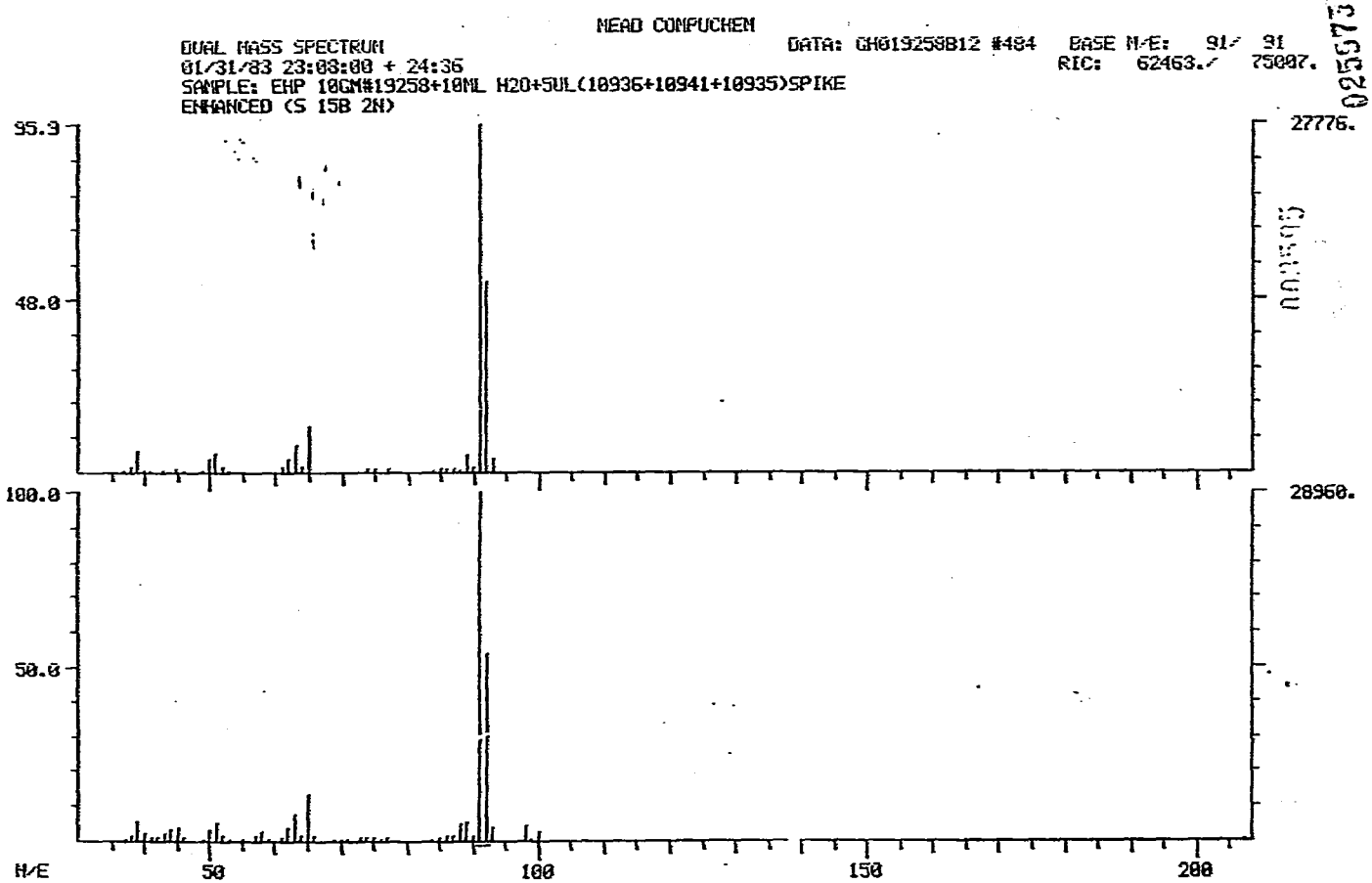
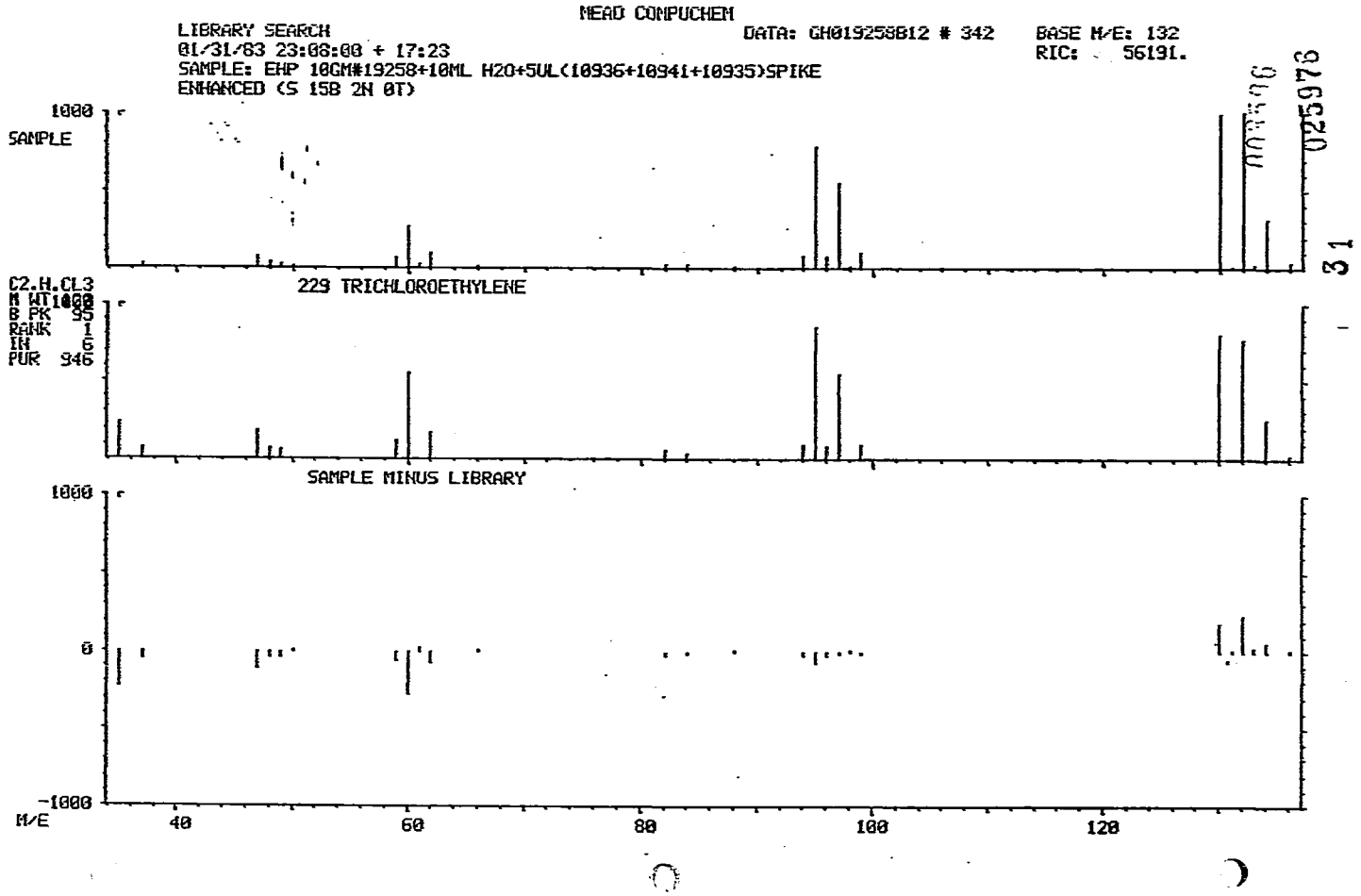
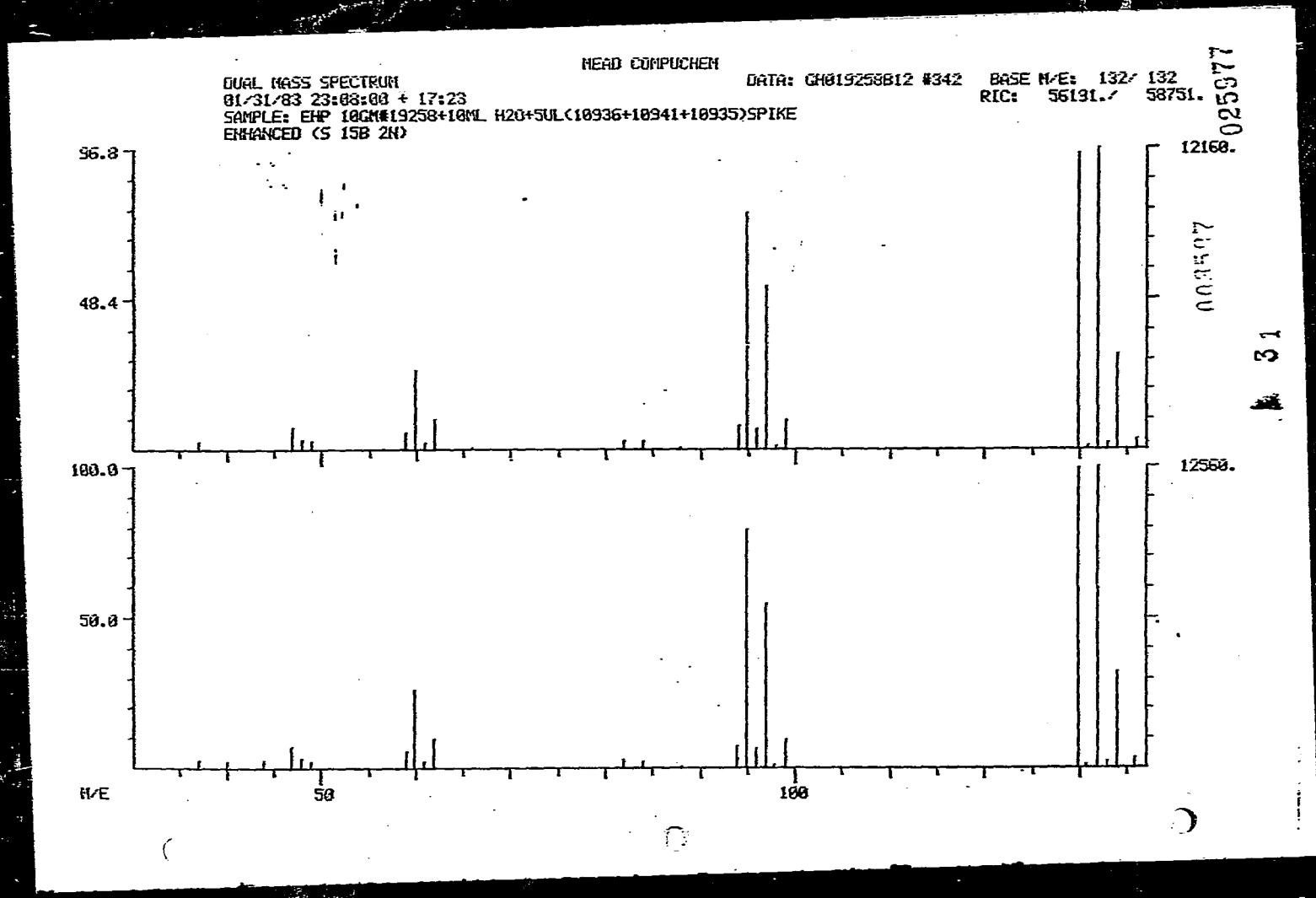
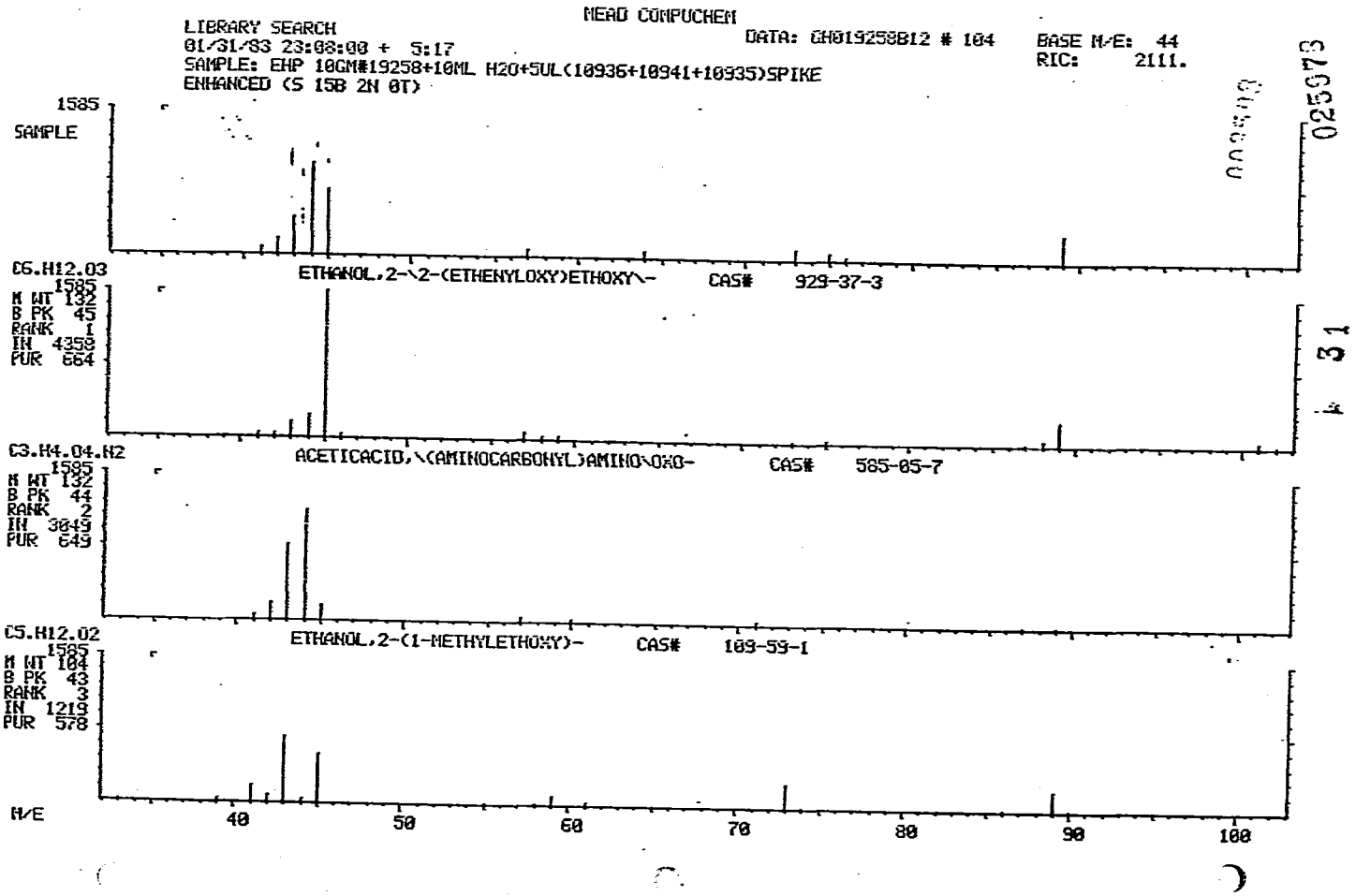
DUAL MASS SPECTRUM
DATA: GH019258B12 #177
BASE M/E: 101/ 101
01/31/83 23:08:00 + 3:00
RIC: 23039./ 24703.
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2N)
97.3
48.6
102882
100.0
50.0
10576.
M/E
40
50
60
70
80
90
100
110


NEAD COMPUCHEM
LIBRARY SEARCH
DATA: GH019258B12 # 484
BASE M/E: 91
01/31/83 23:08:00 + 24:36
RIC: 61055.
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2N 0T)
1000
SAMPLE
C7.H8
M WT:100
B PK 91
RANK 1
IR 5
PUR 959
225 TOLUENE
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
40
50
60
70
80
90
100


MEAD COMPUCHEM
DUAL MASS SPECTRUM
01/31/83 23:03:00 + 24:36
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2N)
DATA: GH019258B12 #484
BASE M/E: 91
RIC: 62463. 75007.
025573
95.3
48.0
100.0
50.0
27776.
28960.
M/E
50
100
150
200


MEAD COMPUCHEM
LIBRARY SEARCH
01/31/83 23:08:00 + 17:23
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2N 0T)
DATA: GH019258B12 # 342
BASE M/E: 132
RIC: 56191.
025973
31
1000
SAMPLE
C2.H.CL3
M WT1000
B PK 95
RANK 1
IN 6
PUR 946
229 TRICHLOROETHYLENE
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
40
60
80
100
120


MEAD COMPUCHEM
DUAL MASS SPECTRUM
01/31/83 23:08:00 + 17:23
SAMPLE: EHP 10GM#19258+10ML H20+5UL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2N)
DATA: GH019258B12 #342
BASE M/E: 132/ 132
RIC: 56131./ 58751.
96.8
48.4
12160.
100.0
50.0
12560.
M/E
50
100


MEAD COMPUCHEM
LIBRARY SEARCH
01/31/83 23:08:00 + 5:17
DATA: GH019258B12 # 104
BASE M/E: 44
RIC: 2111.
SAMPLE: EHP 10GM#19258+10ML H2O+5UL(10936+10941+10935)SPIKE
ENHANCED (S 15B 2N 0T)
1585
SAMPLE
C6.H12.03
ETHANOL,2-\2-(ETHENYLOXY)ETHOXY\-
CAS# 929-37-3
1585
M WT 132
B PK 45
RANK 1
IN 4358
PUR 664
C3.H4.04.N2
ACETICACID,\(AMINOCARBONYL)AMINO\OXO-
CAS# 585-05-7
1585
M WT 132
B PK 44
RANK 2
IN 3049
PUR 649
C5.H12.02
ETHANOL,2-(1-METHYLETHOXY)-
CAS# 109-59-1
1585
M WT 104
B PK 43
RANK 3
IN 1219
PUR 578
M/E
40
50
60
70
80
90
100

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

SAMPLE NUMBER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CompuChem
Lab Sample ID No: 19259R
Sample Matrix: Solid
Data Release Authorized By:

Case Number 2333
QC Report No. 173/25E Duplicate Spike
Contract No.: 68-01-6762
Date Sample Received:

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED: 2-16-84
DATE ANALYZED: 2-21-84
PERCENT MOISTURE:
Associated samples 19257, 19264-70

Multiply Detection limits by 1 ☒ or ☐ 8
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	50U
(3V)	107-13-1	acrylonitrile	50U
(4V)	71-43-2	benzene	10 ~~2.5U~~
(6V)	56-23-5	carbon tetrachloride	2.5U
(7V)	108-90-7	chlorobenzene	7 ~~2.5U~~
(10V)	107-06-2	1,2-dichloroethane	2.5U
(11V)	71-55-6	1,1,1-trichloroethane	2.5U
(13V)	75-34-3	1,1-dichloroethene	2.5U
(14V)	79-00-5	1,1,2-trichloroethane	2.5U
(15V)	79-34-5	1,1,2,2-tetrachloroethene	2.5U
(16V)	75-00-3	chloroethane	2.5U
(19V)	110-75-8	2-chloroethylvinyl ether	2.5U
(23V)	67-66-3	chloroform	2.5U
(29V)	75-35-4	1,1-dichloroethene	11 ~~2.5U~~
(30V)	156-60-5	1,2-trans-dichloroethene	2.5U
(32V)	78-87-5	1,2-dichloropropane	2.5U
(33V)	10061-02-6	trans-1,3-dichloropropene	2.5U
	10061-01-05	cis,1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	2.5U
(44V)	75-09-2	methylene chloride	# 740 ~~2.5U~~
(45V)	74-87-3	chloromethane	2.5U
(46V)	74-83-9	bromomethane	2.5U
(47V)	75-25-2	bromoform	2.5U
(48V)	75-27-4	bromodichloromethane	2.5U
(49V)	75-69-4	fluorotrichloromethane	# 140 ~~2.5U~~
(51V)	124-48-1	chlorodibromomethane	2.5U
(85V)	127-18-4	tetrachloroethene	2.5U
(86V)	108-88-3	toluene	10 ~~2.5U~~
(87V)	79-01-6	trichloroethene	9 ~~2.5U~~
(88V)	75-01-4	vinyl chloride	2.5U
	67-64-1	acetone	50U
	78-93-3	2-butanone	100U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	50U
	108-10-1	4-methyl-2-pentanone	50U
	100-42-5	styrene	2.5U
	108-05-4	vinyl acetate	5U
	95-47-6	o-xylene	2.5U

Correction factor not applied to Spike Compound.

* Correction factor & for TIs Rest.

PESTICIDES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples

Multiply Detection limits by 1 ☐ or ☐
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	78-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-7	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples:

		ug/g or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin 0.16U

July, 1983

025980

VOLATILE LOW SOLID
ORGANICS ANALYSIS DATA SHEET - Page 3

Lab Name: Mead CompuChem

Lab Sample I.D. No. 19259R ☐ SS ☒ DS ☐ Blank

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/kg)	(Surrogates only) Spike Added (ug/kg)	% Recovery
d8-Toluene	VOA	8.7	10	87
d4-1,2-Dichloroethane	VOA	7.2	10	72
Bromofluorobenzene	VOA	6.9	10	69

003601
025981

ORGANICS ANALYSIS DATA SHEET - Page 4

SAMPLE #

$ NAME:

$ SAMPLE I.D.# 19259R

0025982

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS

EM	SCAN NUMBER	CAS #	COMPOUND NAME	FRACTION	% PURITY	ESTIMATE CONC. (ug/kg)
			NONE	VOA		
				VOA		
				VOA		
				VOA		
				VOA		
				VOA		
				VOA		
				VOA		
				VOA		
0				VOA		

31

IDENTIFIER VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE	x CORRECTION FACTOR	= RESULTS (ug/kg)	DETECTION LIMIT(ug/kg
2.	221	CHLOROMETHANE		x *		2.5
3.	220	BROMOMETHANE				2.5
4.	231	VINYL CHLORIDE				2.5
5.	209	CHLOROETHANE.....				2.5
6.	222	METHYLENE CHLORIDE	92		74	2.5
7.	252	ACETONE				50
8.	201	ACROLEIN				50
9.	202	ACRYLONITRILE				50
10.	230	TRICHLOROFLUOROMETHANE ...	17		14	2.5
11.	254	CARBON DISULFIDE				5
12.	216	1,1-DICHLOROETHYLENE	11		11	2.5
13.	214	1,1-DICHLOROETHANE				2.5
14.	226	TRANS-1,2-DICHLOROETHYLENE				2.5
15.	211	CHLOROFORM				2.5
16.	215	1,2-DICHLOROETHANE				2.5
17.	253	2-BUTANONE				100
18.	227	1,1,1-TRICHLOROETHANE				2.5 } x I
19.	206	CARBON TETRACHLORIDE				2.5
21.	257	VINYL ACETATE				5
22.	212	BROMODICHLOROMETHANE				2.5
23.	217	1,2-DICHLOROPROPANE				2.5
24.	250	TRANS-1,3-DICHLOROPROPENE.				2.5
25.	229	TRICHLOROETHYLENE	9		6	2.5
26.	203	BENZENE	10		8	2.5
27.	228	1,1,2-TRICHLOROETHANE				2.5
28.	218	CIS-1,3, DICHLOROPROPENE..				5
29.	208	DIBROMOCHLOROMETHANE				2.5
30.	210	CHLOROETHYLVINYL ETHER....				2.5
31.	205	BROMOFORM				2.5
32.	256	4-METHYL-2-PENTANONE				50
34.	255	2-HEXANONE				50
35.	223	1,1,2,2-TETRACHLOROETHANE.				2.5

PLEASE COMPLETE CORRECTION FACTOR CALCULATIONS ON SECOND SHEET OF THE COMPOUND LIST!!!

003503

025983

COMPOUND LIST NO. _____ COMPUCHEM NO. _____ DATE _____

IDENTIFIER VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE	x CORRECTION FACTOR	= RESULTS (ug/kg)	DETECTION LIMIT(ug/kg
36.	224	TETRACHLOROETHENE.....		8 *		2.5
37.	225	TOLUENE.....	10		1	2.5
38.	207	CHLOROBENZENE.....	7		7	2.5 x 8 *
39.	219	ETHYLBENZENE				2.5
40.	251	STYRENE.....				2.5
41.	239	O-XYLENE.....				2.5

COMPOUND NUMBER	SURROGATE COMPOUNDS	QUANT. REPORT VALUE	AMOUNT SPIKED	% † RECOVERY	% RECOVERY WINDOW
256	D_4-1,2,DICHLOROETHANE (SURR)	7.30	10.0	73	(50-150)*
233	D_8-TOLUENE (SURR).....	8.72	10.0	87	(81-120)
247	BROMOFLUOROBENZENE (SURR)..	6.96	10.0	69	(57-137)*

*Advisory Limits

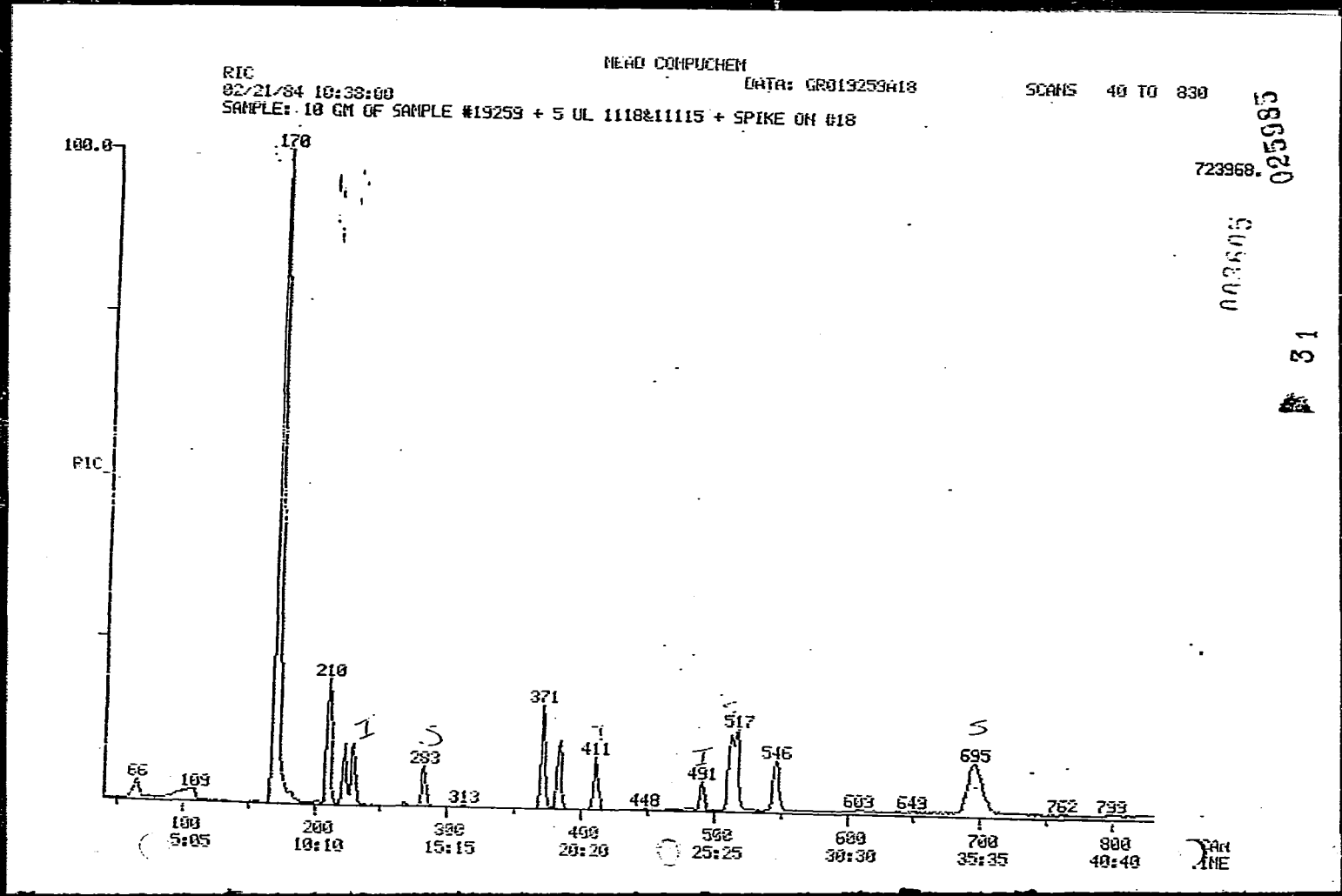
† % Recovery = $\frac{\text{Quant. Report Value}}{\text{Amount Spiked}}$ x 100%

CORRECTION FACTOR CALCULATION: Instrument Code 238

$$\frac{10\ g}{\text{Wet Wt. of sample used}} \times \text{Dilution Factor} \times \text{Dry Weight Factor} =$$

$$\frac{10\ g}{6.35\ g} \times \frac{1}{} \times 5.05 = \boxed{8\ *}$$

JRT 11/83


MEAD COMPUCHEM
RIC
02/21/84 10:38:08
DATA: GR019259A18
SCANS 40 TO 830
SAMPLE: 10 GM OF SAMPLE #19259 + 5 UL 1118&11115 + SPIKE ON #18
100.0
RIC
723968.
170
210
371
517
293
411
491
546
695
66
109
313
448
603
643
762
733
100
5:05
200
10:10
300
15:15
400
20:20
500
25:25
600
30:30
700
35:35
800
40:40
TIME

PROCEDURE: RR DIAGNOSTIC REPORT 2/21/84 11:17:5
DATA FILE: GR019259A18
REFERENCE: V238
METHOD: V238 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: V238S1

STANDARDS				PLUS UNKNOWNS				LIST NAMES
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	2	1	0	44	12	1	54	V238S1/V238U1

44 COMPOUNDS PROCESSED, 12 FOUND

COMPOUND			SEARCH					SAT	CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAK
1	P5	1	-230	229	229	.	1	960	.	130	-229	.	.
2	P6	1	-412	411	.	.	.	.	.	79	411	.	1
3	P7	1	-492	491	491	.	1	983	.	55	491	.	1
4	P5	2	-55	53	.	.	.	.	.	50	.	.	.
5	P5	3	-87	85	.	.	.	.	.	94	.	.	.
6	P5	4	-106	104	.	.	.	.	.	62	.	.	.
7	P5	5	-130	128	.	.	.	.	.	64	.	.	.
8	P5	6	-172	170	170	.	1	984	.	84	170	.	1
9	P5	7	-183	181	.	.	.	.	.	58	182	.	1
10	P5	8	-183	181	.	.	.	.	.	56	.	.	.
11	P5	9	-195	193	.	.	.	.	.	53	.	.	.
12	P5	10	-212	210	210	.	1	991	.	101	210	.	1
13	P5	11	-203	201	.	.	.	.	.	76	202	.	1
14	P5	12	-224	222	222	.	1	961	.	96	222	.	1
15	P5	13	-248	246	.	.	.	.	.	65	.	.	.
16	P5	14	-262	260	.	.	.	.	.	96	.	.	.
17	P5	15	-271	269	.	.	.	.	.	83	269	.	1
18	P5	16	-286	284	.	.	.	.	.	62	285	.	1
19	P5	17	-285	283	.	.	.	.	.	72	283	.	1
20	P5	18	-314	312	.	.	.	.	.	97	.	.	.
21	P5	19	-321	319	.	.	.	.	.	117	.	.	.
22	P6	2	-323	321	.	.	.	.	.	43	.	.	.
23	P6	3	-328	326	.	.	.	.	.	127	.	.	.
24	P6	4	-358	356	.	.	.	.	.	65	.	.	.
25	P6	5	-362	360	.	.	.	.	.	75	.	.	.
26	P6	6	-373	371	371	.	1	971	.	130	371	.	1
27	P6	7	-385	383	384	1	1	986	.	78	384	.	1
28	P6	8	-386	384	.	.	.	.	.	97	.	.	.
29	P6	9	-387	385	.	.	.	.	.	75	384	.	1
30	P6	10	-383	381	.	.	.	.	.	127	.	.	.
31	P6	11	-409	407	.	.	.	.	.	63	.	.	.
32	P6	12	-437	435	.	.	.	.	.	173	434	.	2
33	P6	13	-450	448	.	.	.	.	.	58	448	.	1
34	P7	2	-481	479	.	.	.	.	.	58	479	.	1
35	P7	3	-484	482	.	.	.	.	.	83	482	.	1
36	P7	4	-486	484	.	.	.	.	.	164	484	.	1
37	P7	5	-518	516	517	1	1	983	.	92	517	.	1
38	P7	6	-548	546	546	.	1	960	.	112	546	.	1
39	P7	7	-611	609	.	.	.	.	.	106	610	.	1
40	P7	8	-752	750	.	.	.	.	.	104	752	.	2
41	P7	9	-798	796	.	.	.	.	.	106	799	.	2
42	P8	2	-284	282	283	1	1	988	.	65	283	.	1
43	P8	3	-514	512	512	.	1	978	.	100	512	.	1
44	P8	4	-696	694	694	.	1	971	.	176	694	.	1

003606
025986

QUANTITATION REPORT FILE: GR019259A1B

DATA: GR019259A1B.TI
02/21/84 10:38:00
SAMPLE: 10 GM OF SAMPLE #19259 + 5 UL 1118&11115 + SPIKE ON #18
SUBMITTED BY: #18 ANALYST: 633

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	* BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	252 ACETONE (2-PROPANONE)
8	201 ACROLEIN
9	202 ACRYLONITRILE
10	230 TRICHLOROFLUOROMETHANE
11	254 CARBON DISULFIDE
12	216 1,1-DICHLOROETHYLENE
13	214 1,1-DICHLOROETHANE
14	226 TRANS-1,2-DICHLOROETHYLENE
15	211 CHLOROFORM
16	215 1,2-DICHLOROETHANE
17	253 2-BUTANONE
18	227 1,1,1-TRICHLOROETHANE
19	206 CARBON TETRACHLORIDE
20	* 2-BROMO-1-CHLOROPROPANE
21	257 VINYL ACETATE
22	212 BROMODICHLOROMETHANE
23	217 1,2-DICHLOROPROPANE
24	250 TRANS-1,3-DICHLOROPROPENE
25	229 TRICHLOROETHYLENE
26	203 BENZENE
27	228 1,1,2-TRICHLOROETHANE
28	218 CIS-1,3-DICHLOROPROPENE
29	208 DIBROMOCHLOROMETHANE
30	210 2-CHLOROETHYL VINYL ETHER
31	205 BROMOFORM
32	256 4-METHYL-2-PENTANONE
33	* DICHLOROBUTANE
34	255 2-HEXANONE
35	223 1,1,2,2-TETRACHLOROETHANE
36	224 TETRACHLOROETHENE
37	225 TOLUENE
38	207 CHLOROBENZENE
39	219 ETHYLBENZENE
40	251 STYRENE
41	239 O-XYLENE
42	# D4-1,2-DICHLOROETHANE
43	# D8-TOLUENE
44	# BROMOFLUOROBENZENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT

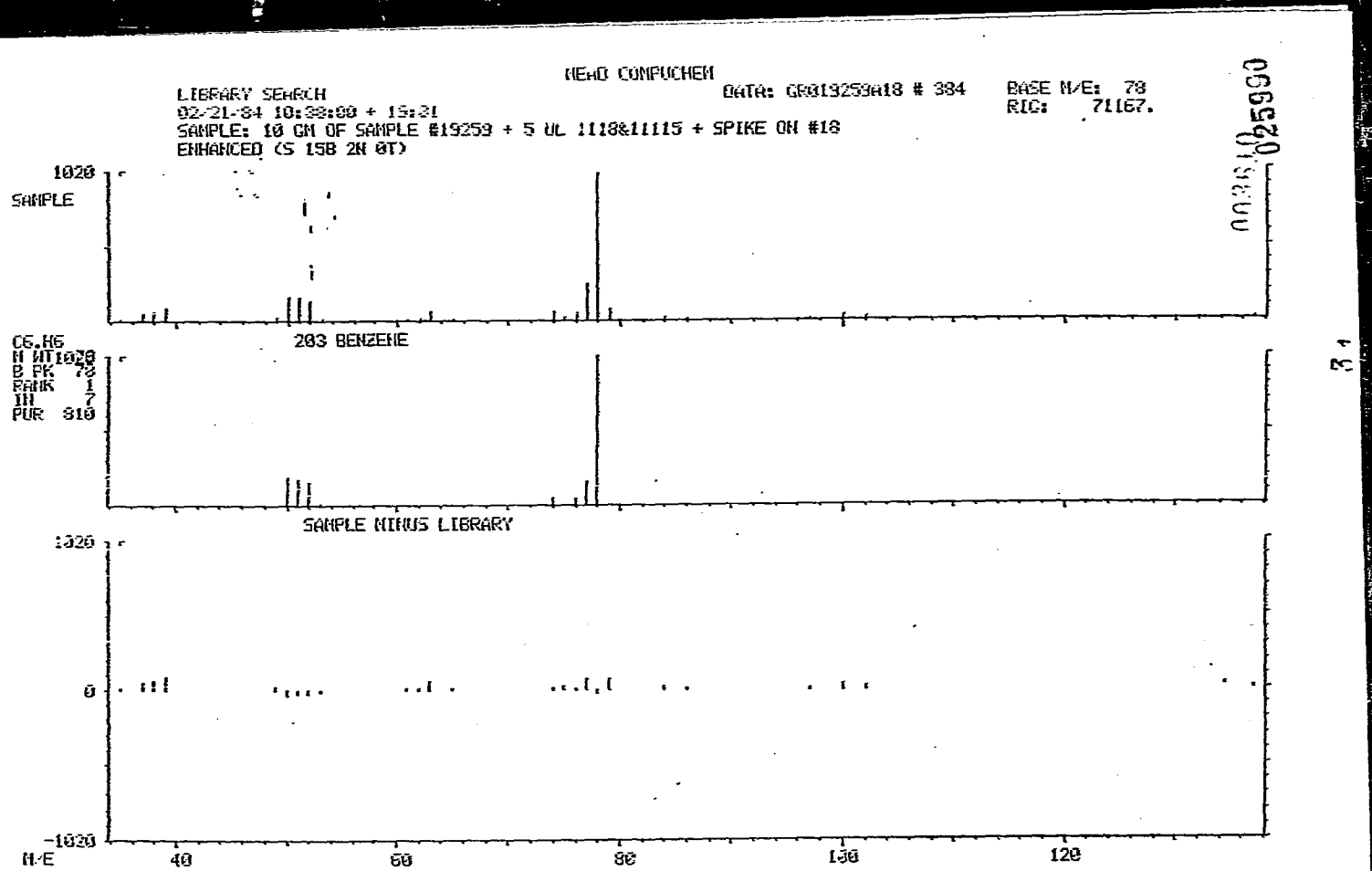
025987

31

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	130	229	11:38	1	1.000	A BV	65152.	10.000 UG/KG	4.42
2	NOT FOUND								
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	84	170	8:38	1	0.742	A BB	672736.	92.044 UG/KG	40.65
7	58	182	9:15	1	0.795	A BB	4195.	9.326 UG/KG	4.12
8	NOT FOUND								
9	NOT FOUND								
10	101	210	10:40	1	0.917	A BV	194364.	17.267 UG/KG	7.63
11	76	202	10:16	1	0.882	A BB	15124.	0.902 UG/KG	0.40
12	96	222	11:17	1	0.969	A BB	54911.	11.246 UG/KG	4.97
13	NOT FOUND								
14	NOT FOUND								
15	83	269	13:40	1	1.175	A BB	3763.	0.354 UG/KG	0.16
16	62	285	14:29	1	1.245	A BB	3478.	0.565 UG/KG	0.25
17	72	283	14:23	1	1.236	A BB	2611.	3.362 UG/KG	1.48
18	NOT FOUND								
19	NOT FOUND								
20	79	411	20:54	20	1.000	A BB	23672.	10.000 UG/KG	4.42
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	130	371	18:52	1	1.620	A BB	79825.	9.051 UG/KG	4.00
26	78	384	19:31	1	1.677	A BB	118254.	10.010 UG/KG	4.42
27	NOT FOUND								
28	75	384	19:31	1	1.677	A BB	1995.	0.442 UG/KG	0.19
29	NOT FOUND								
30	NOT FOUND								
31	173	434	22:04	1	1.895	A*BB	616.	0.054 UG/KG	0.02
32	58	448	22:46	1	1.956	A BB	402.	0.201 UG/KG	0.09
33	55	491	24:58	33	1.000	A BV	35835.	10.000 UG/KG	4.42
34	58	479	24:21	1	2.092	A BV	3989.	0.913 UG/KG	0.40
35	83	482	24:30	1	2.105	A BB	1558.	0.142 UG/KG	0.06
36	164	484	24:36	1	2.114	A BB	665.	0.074 UG/KG	0.03
37	92	517	26:17	1	2.258	A BB	91213.	10.349 UG/KG	4.57
38	112	546	27:45	1	2.384	A BV	109200.	7.024 UG/KG	3.10
39	106	610	31:00	1	2.664	A BB	506.	0.079 UG/KG	0.03
40	104	752	38:14	1	3.284	A*VV	1344.	0.076 UG/KG	0.03
41	106	799	40:37	1	3.489	A*BV	1984.	0.184 UG/KG	0.08
42	65	283	14:23	1	1.236	A BB	52480.	7.195 UG/KG	3.18
43	100	512	26:02	1	2.236	A BB	84828.	8.731 UG/KG	3.86
44	176	694	35:17	1	3.031	A BB	107638.	6.862 UG/KG	3.03

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	11:38	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	2:42		0.231			40.00		0.477	
3	4:22		0.376			40.00		2.052	
4	5:20		0.459			40.00		1.897	
5	6:33		0.563			40.00		0.355	
6	8:38	1.00	0.742	1.00	92.04	40.00	2.581	1.122	2.30
7	9:12	1.01	0.790	1.01	9.33	299.98	0.002	0.069	0.03
8	9:15		0.795			399.98		0.100	
9	9:52		0.847			399.98		0.208	
10	10:44	1.00	0.921	1.00	17.27	40.00	0.746	1.728	0.43

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
11	10:13	1.00	0.878	1.00	0.90	40.00	0.058	2.574	0.02
12	11:20	1.00	0.974	1.00	11.25	40.00	0.211	0.749	0.28
13	12:33		1.079			40.00		0.330	
14	13:16		1.140			40.00		0.587	
15	13:40	1.00	1.175	1.00	0.35	40.00	0.014	1.631	0.01
16	14:29	1.00	1.245	1.00	0.57	40.00	0.013	0.944	0.01
17	14:23	1.00	1.236	1.00	3.36	299.98	0.001	0.119	0.01
18	15:52		1.362			40.00		1.129	
19	16:16		1.397			40.00		1.573	
20	20:54	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
21	16:19		1.402			40.00		1.285	
22	16:34		1.424			40.00		0.188	
23	18:06		1.555			40.00		0.224	
24	18:18		1.572			40.00		1.277	
25	18:52	1.00	1.620	1.00	9.05	40.00	0.306	1.354	0.23
26	19:31	1.00	1.677	1.00	10.01	40.00	0.454	1.813	0.25
27	19:34		1.681			40.00		1.056	
28	19:34	1.00	1.681	1.00	0.44	40.00	0.008	0.694	0.01
29	19:25		1.668			40.00		1.638	
30	20:41		1.777			40.00		1.102	
31	22:07	1.00	1.900	1.00	0.05	40.00	0.002	1.743	0.00
32	22:46	1.00	1.956	1.00	0.20	60.00	0.001	0.306	0.00
33	24:58	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
34	24:21	1.00	2.092	1.00	0.91	60.00	0.010	0.672	0.02
35	24:30	1.00	2.105	1.00	0.14	40.00	0.006	1.690	0.00
36	24:36	1.00	2.114	1.00	0.07	40.00	0.003	1.377	0.00
37	26:17	1.00	2.258	1.00	10.35	40.00	0.350	1.353	0.26
38	27:45	1.00	2.384	1.00	7.02	40.00	0.419	2.386	0.18
39	31:00	1.00	2.664	1.00	0.08	40.00	0.002	0.988	0.00
40	38:07	1.00	3.275	1.00	0.08	40.00	0.005	2.717	0.00
41	40:25	1.01	3.472	1.01	0.18	40.00	0.008	1.657	0.00
42	14:23	1.00	1.236	1.00	7.20	10.00	0.806	1.120	0.72
43	26:02	1.00	2.236	1.00	8.73	10.00	1.302	1.491	0.87
44	35:14	1.00	3.026	1.00	6.86	10.00	1.652	2.408	0.69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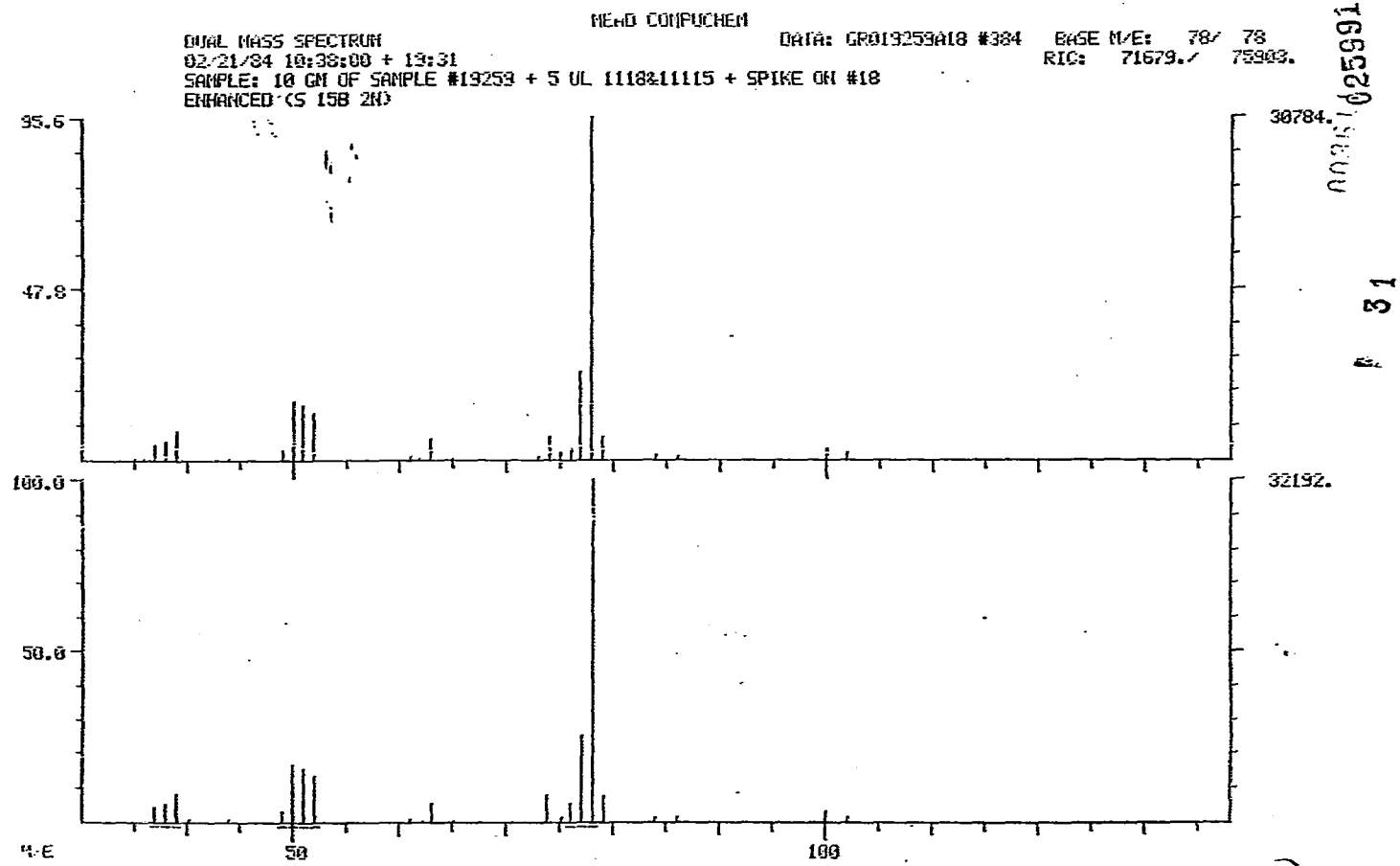
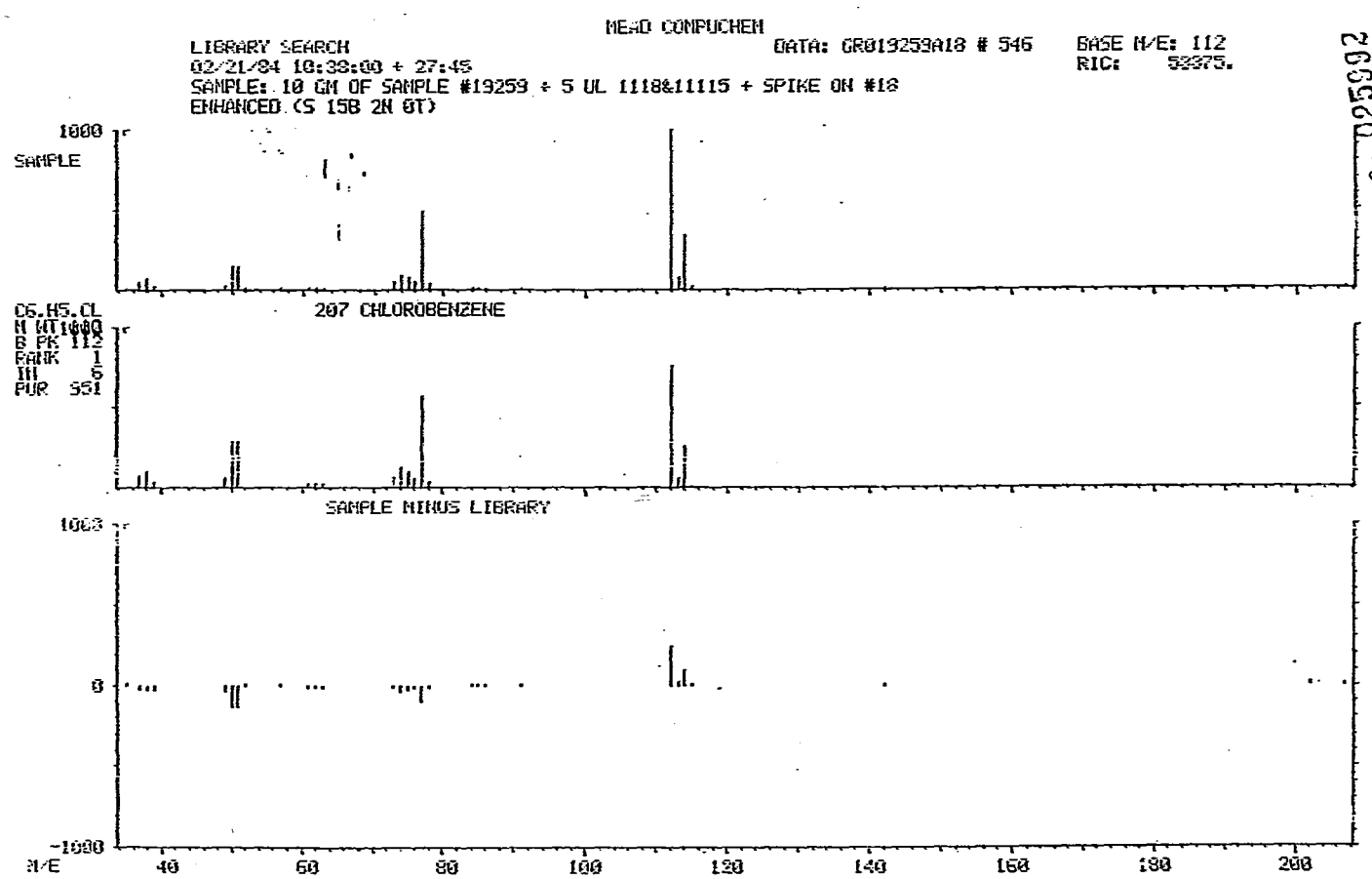
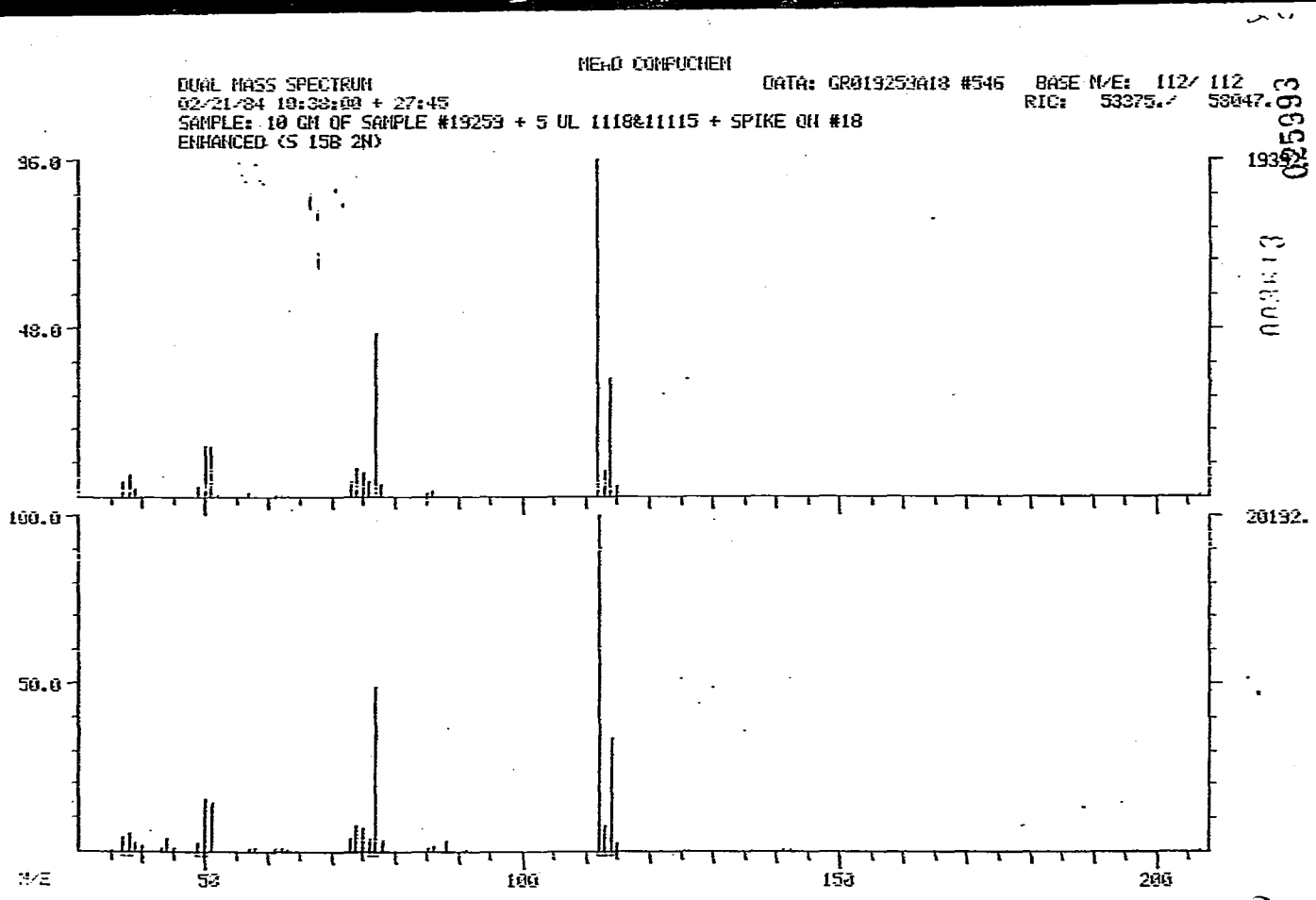
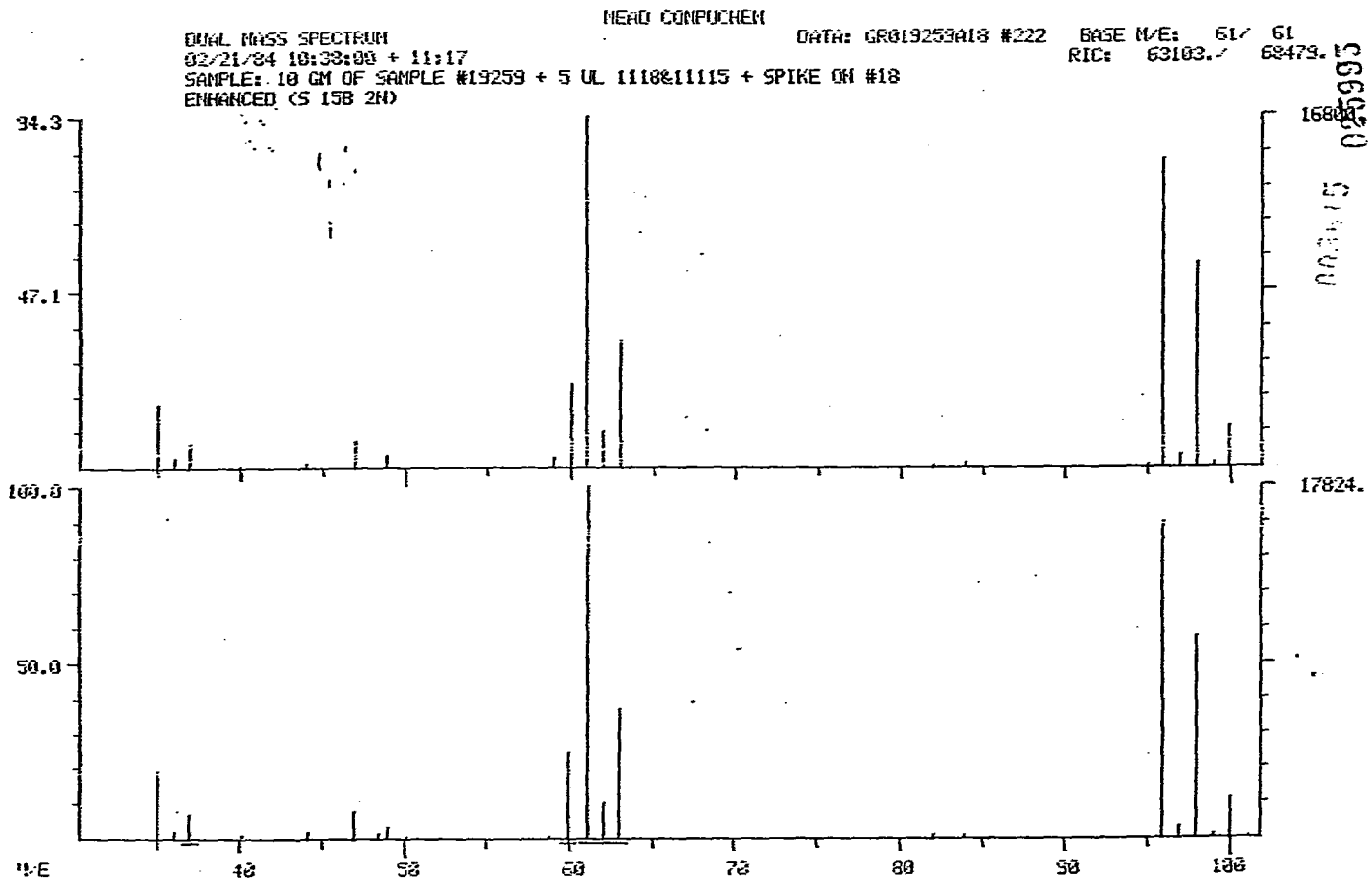
LIBRARY SEARCH
02-21-84 10:38:00 + 15:21
DATA: GR013259A18 # 384
BASE M/E: 78
RIC: 71167.
SAMPLE: 10 GM OF SAMPLE #19259 + 5 UL 1118&11115 + SPIKE ON #18
ENHANCED (S 15B 2N 0T)
1020
SAMPLE
C6,H6
M WT1078
B PK 78
RANK 1
III 7
PUR 910
203 BENZENE
SAMPLE MINUS LIBRARY
1020
0
-1020
M/E
40
60
80
100
120

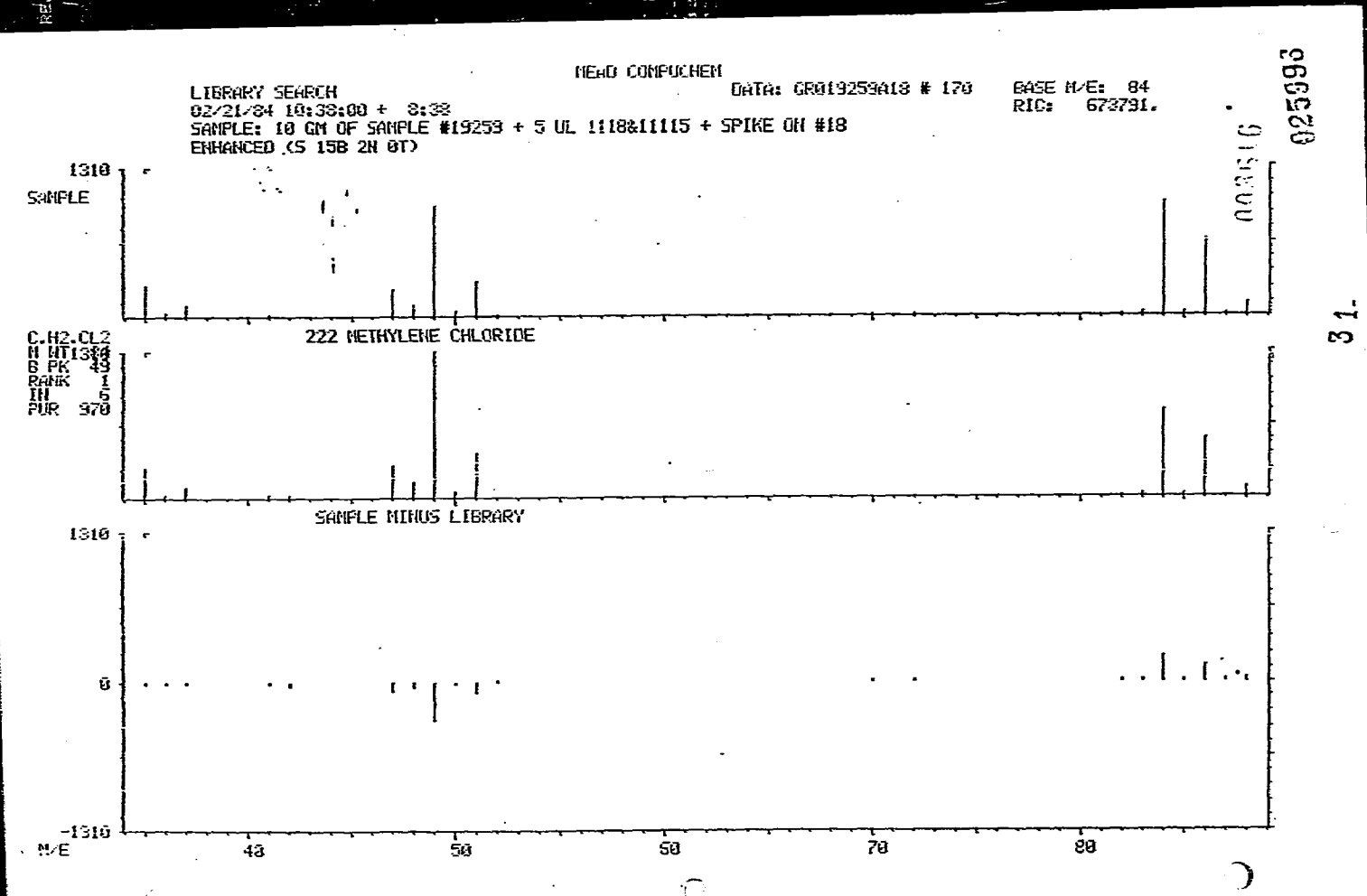

MENO COMPUCHEM
DUAL MASS SPECTRUM
02/21/84 10:38:00 + 13:31
SAMPLE: 10 GM OF SAMPLE #19259 + 5 UL 1118&11115 + SPIKE ON #18
ENHANCED (S 15B 2N)
DATA: GR013259A18 #384
BASE M/E: 78/ 78
RIC: 71679./ 75903.
95.6
47.8
30784.
100.0
50.0
32192.
M-E
50
100


MEAD CONPUCHEM
LIBRARY SEARCH
DATA: GR013259A18 # 546
BASE M/E: 112
02/21/84 10:38:00 + 27:45
RIC: 53375.
SAMPLE: 10 GM OF SAMPLE #19259 + 5 UL 1118&11115 + SPIKE ON #18
ENHANCED (S 15B 2N 0T)
1000
SAMPLE
C6.H5.CL
207 CHLOROBENZENE
N WT 1000
B PK 112
RANK 1
III 6
PUR 551
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
40
60
80
100
120
140
160
180
200


MEHO COMPUCHEM
DUAL MASS SPECTRUN
02/21/84 10:38:00 + 27:45
SAMPLE: 10 GM OF SAMPLE #19259 + 5 UL 1118&11115 + SPIKE ON #18
ENHANCED (S 15B 2N)
DATA: GR019259A18 #546
BASE M/E: 112/ 112
RIC: 53375./ 58047.
96.0
48.0
100.0
50.0
M/E
50
100
150
200
19392.
20192.

MEGD CORPORATION
DATA: GR0192504B # 222
BASE M.W.: 61
RIC: 63103.
LIBRARY SEARCH
02/21/84 16:38:00 + 11117
SAMPLE: 10 UM OF SAMPLE #19259 + S UL 11183111115 + SPIKE ON #18
ENHANCED (S ISB 3K 0TO
SAMPLE
1350
C2-H2-Cl2
M.W.=96
B.PK 91
BASE 12
AMP
PUR 95%
SAMPLE MINUS LIBRARY
216 1,1-DICHLOROETHYLENE
M.E
1350
100
90
80
70
60
50
40
0
025994


NEAD COMPUCHEM
DUAL MASS SPECTRUM
02/21/84 10:38:00 + 11:17
SAMPLE: 10 GM OF SAMPLE #19259 + 5 UL 1118&11115 + SPIKE ON #18
ENHANCED (S 15B 2N)
DATA: GR019259A18 #222
BASE M/E: 61 61
RIC: 63103. 68479.
34.3
47.1
100.0
50.0
1680
17824.
M/E
40
50
60
70
80
90
100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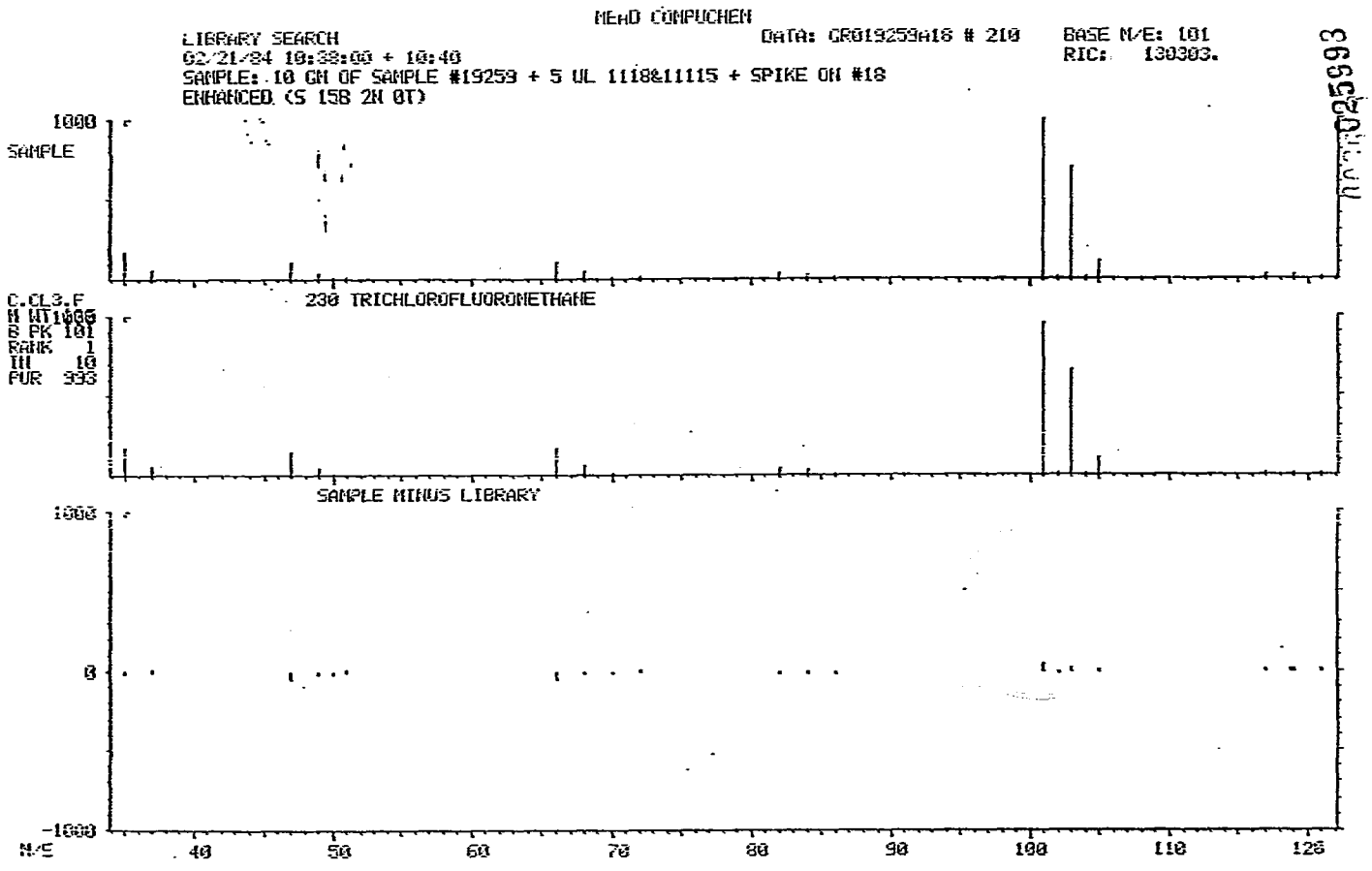
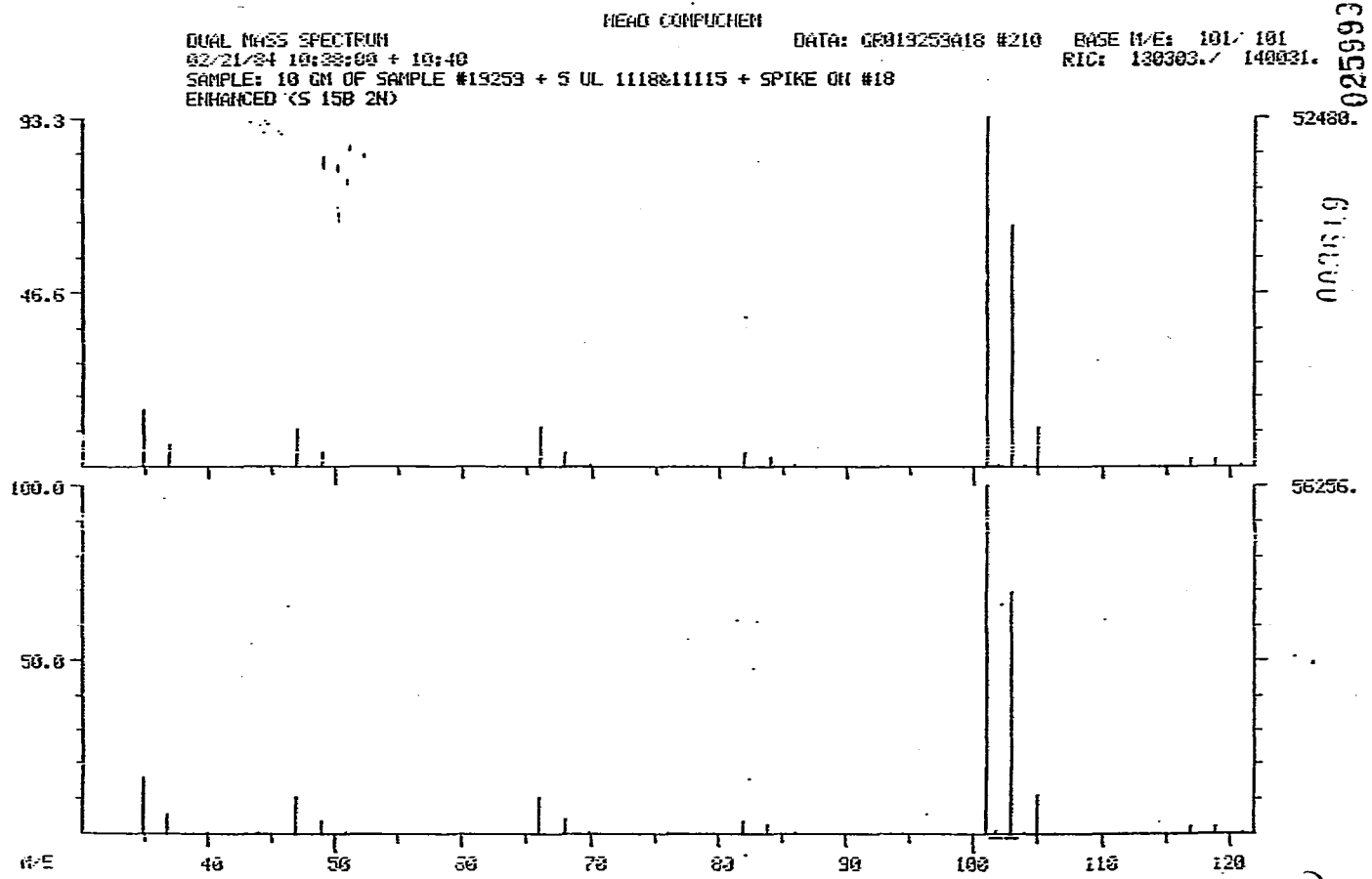
LIBRARY SEARCH
02/21/84 10:38:00 + 8:38
DATA: GR019259A18 # 170
BASE M/E: 84
RIC: 672791.
SAMPLE: 10 GM OF SAMPLE #19259 + 5 UL 1118&1115 + SPIKE ON #18
ENHANCED (S 15B 2N 0T)
1310
SAMPLE
C.H2.CL2
N WT1388
B PK 49
RANK 1
IN 6
PUR 970
222 METHYLENE CHLORIDE
SAMPLE MINUS LIBRARY
1310
0
-1310
M/E
40
50
60
70
80

DUAL MASS SPECTRUM
SAMPLE: 10 UM OF SAMPLE #15259 + 5 UL 1118&1115 + SPIKE ON #18
ENHANCED (5 158 AMU)
MEAD CORPORATION
Data: G0819259A18 #174
BASE M/E: 84/ 84 72838.
RIC: 629811./ 169472.
100.0
59.0
18.1
47.3
34.6
88
92
69
59
48
17200.
16947.


MEAD COMPUCHEM
LIBRARY SEARCH
02/21/84 10:38:00 + 10:40
SAMPLE: 10 GM OF SAMPLE #19259 + 5 UL 1118&11115 + SPIKE ON #18
ENHANCED (S 15B 2N 0T)
DATA: GR019259A18 # 210
BASE M/E: 101
RIC: 130303.
1000
SAMPLE
C.CL3.F
M WT1000
B PK 101
RANK 1
III 10
PUR 993
230 TRICHLOROFLUOROMETHANE
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
40
50
60
70
80
90
100
110
120

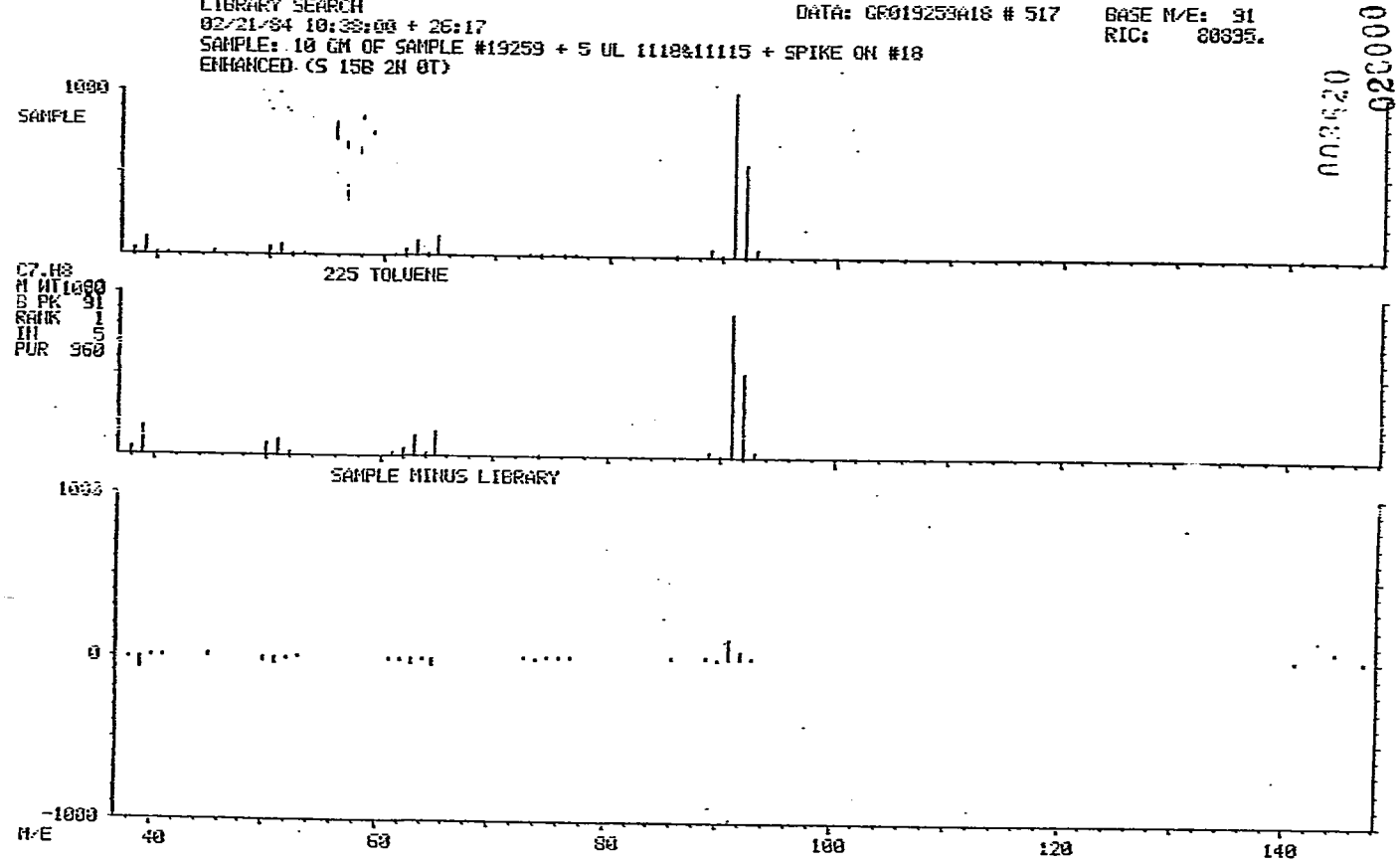

MEAD COMPUCHEM
DUAL MASS SPECTRUM
02/21/84 10:38:00 + 10:40
SAMPLE: 10 GM OF SAMPLE #19253 + S UL 1118&11115 + SPIKE ON #18
ENHANCED (S 15B 2N)
DATA: GA019253A18 #210
BASE M/E: 101/ 101
RIC: 130303./ 140031.
93.3
46.6
52480.
100.0
50.0
56256.
M/E
40
50
60
70
80
90
100
110
120

MEAD COMPUCHEM

LIBRARY SEARCH
02/21/84 10:38:00 + 26:17
SAMPLE: 10 GM OF SAMPLE #19259 + 5 UL 11184&11115 + SPIKE ON #18
ENHANCED (S 15B 2N 0T)

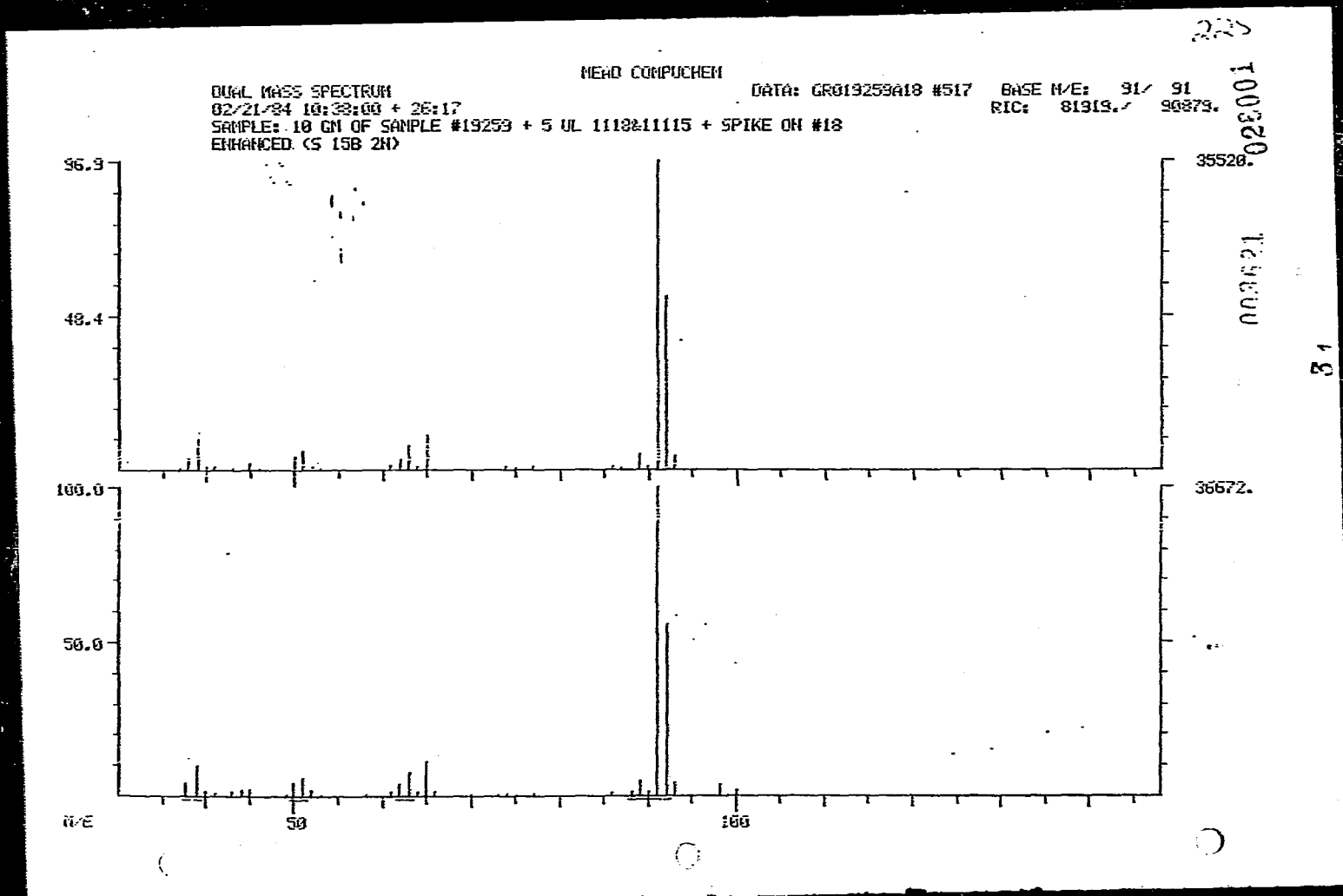
DATA: GR019259A18 # 517

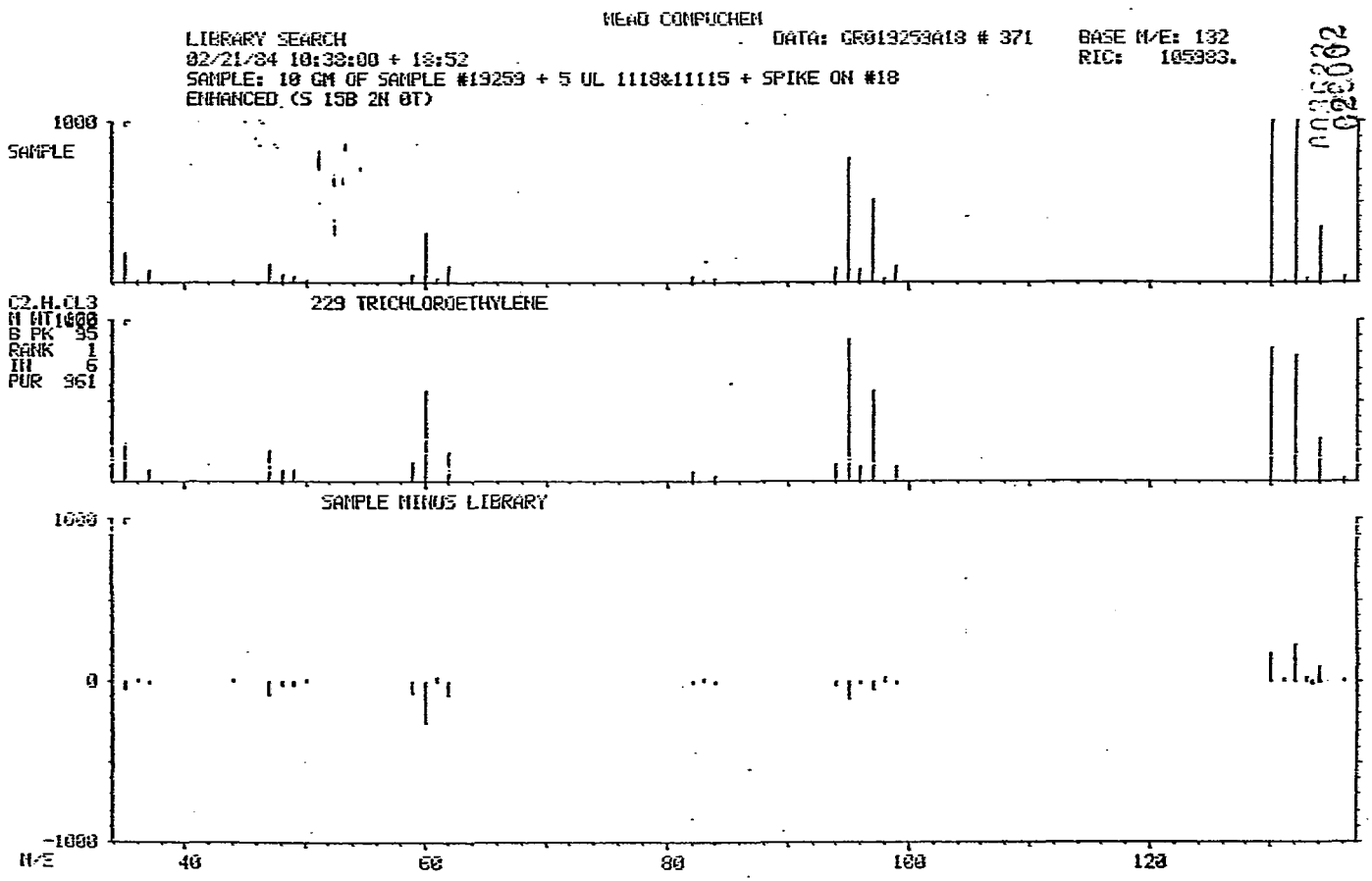
BASE M/E: 91
RIC: 80835.

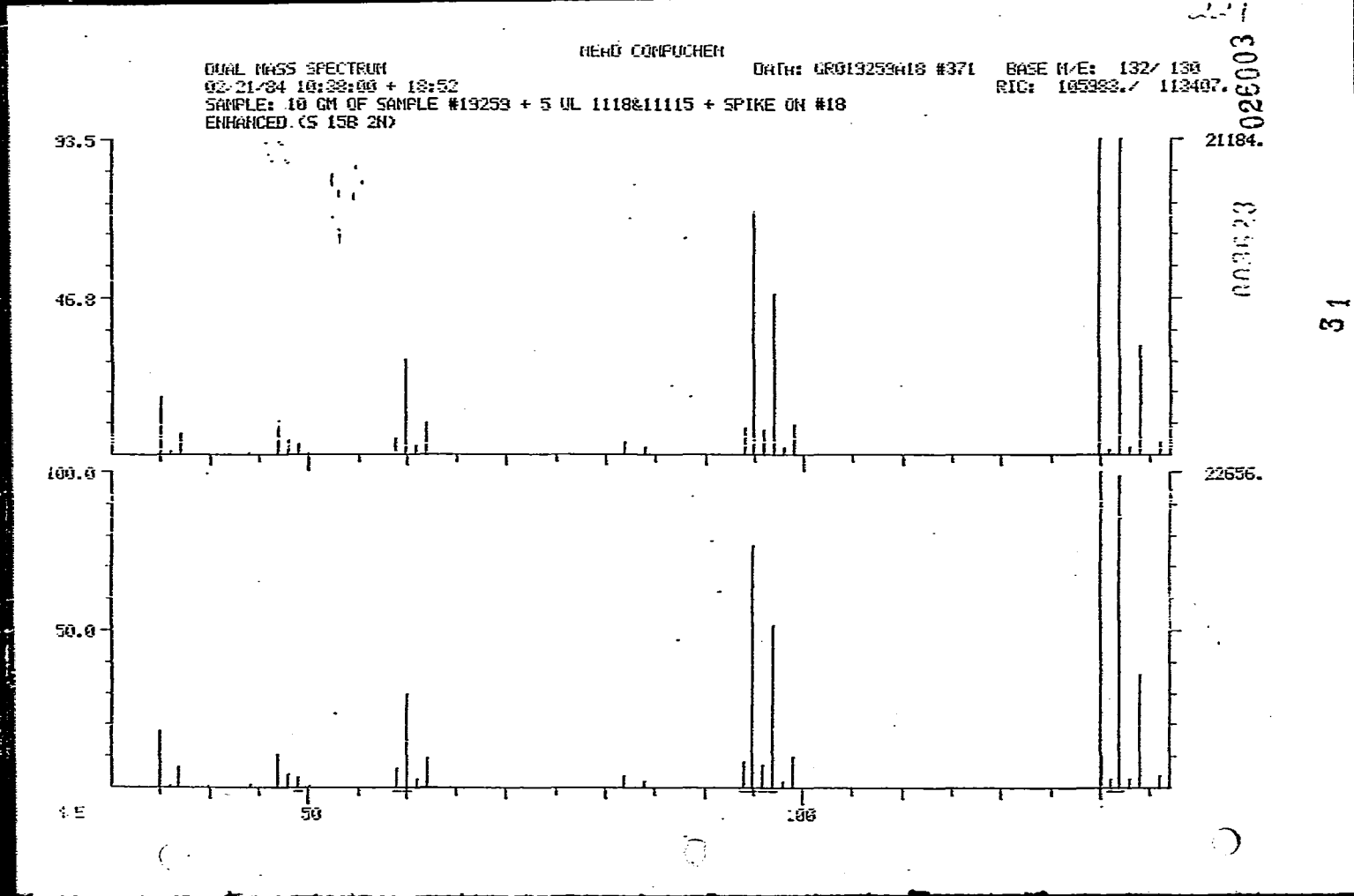


00:36:20 026000

31


MEAD COMPUCHEM
DUAL MASS SPECTRUM
02/21/84 10:38:00 + 26:17
SAMPLE: 10 GM OF SAMPLE #19259 + 5 UL 1110&11115 + SPIKE ON #18
ENHANCED (S 15B 2N)
DATA: GR019259A18 #517
BASE M/E: 91/ 91
RIC: 81319./ 90879.
96.9
48.4
35520.
100.0
50.0
36672.
M/E
50
100


HEAD COMPUCHEM
LIBRARY SEARCH
DATA: GR013253A13 # 371
BASE M/E: 132
02/21/84 10:38:00 + 18:52
RIC: 105383.
SAMPLE: 10 GM OF SAMPLE #13253 + 5 UL 1118&11115 + SPIKE ON #18
ENHANCED (S 15B 2N 0T)
1000
SAMPLE
C2.H.CL3
M WT 130
B PK 95
RANK 1
III 6
PUR 961
229 TRICHLOROETHYLENE
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
40
60
80
100
120


NEHO COMPUCHEM
DUAL MASS SPECTRUM
02-21-84 10:38:00 + 18:52
SAMPLE: 10 GM OF SAMPLE #19259 + 5 UL 1118&11115 + SPIKE ON #18
ENHANCED.(S 15B 2N)
DATA: GR019259A18 #371
BASE M/E: 132/ 130
RIC: 105983./ 113407.
93.5
46.8
21184.
100.0
50.0
22656.
50
100

291

54 K

020005

P.O. Box 818, Alexandria, VA 22313 • 703/557-2490

Sample Number

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Mead CompuChem
Lab Sample ID No.: 19260
Sample Matrix: Solid
Date Release Authorized By:

Case Number: 2333
QC Report No.: 175/266 Sample Spike
Contract No.: 68-01-6762
Date Sample Received:

Associated samples: 19257, 19264 – 19270

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 1-25-84
DATE ANALYZED: 2-1-84
PERCENT MOISTURE:

Multiply Detection limits by 1 ☐ or 10 ☐ or ☒ 40
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or (ug/kg) (circle one)
(21A)	88-06-2	2,4,6-trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	880 ~~200~~
(24A)	95-57-8	2-chlorophenol	1300 ~~400~~
(31A)	122-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-28-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-86-5	pentachlorophenol	LT ~~200~~
(65A)	108-95-2	phenol	1000 ~~400~~
	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	10U
	95-95-4	2,4,5-trichlorophenol	100U
(1B)	83-32-9	acenaphthene	1300 ~~400~~
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	1500 ~~400~~
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	1400 ~~400~~
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	BDL ~~200~~
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	111-91-1	bis-(2-chloroethoxy)methane	20U

PP#	CAS#		ug/l or (ug/kg) (circle one)
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	5000 ~~200~~
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	1200 ~~400~~
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	218-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	191-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	1300 ~~400~~
	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	90U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

SEMI-VOLATILE LOW SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Lab Name: Mead CompuChem

Lab Sample I.D. No: 19260 ☒ SS ☐ DS ☐ Blank

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/kg)	(Surrogates only) Spike Added (ug/kg)	(Surrogates only) % Recovery
2-Fluorophenol	SEMIVOA	3700	5000	74
2,4,6-Tribromophenol	SEMIVOA	3050	5000	61
D-Phenol	SEMIVOA	2450	5000	49
D5-Nitrobenzene	SEMIVOA	1100	5000	22
D_{14} P-Terphenyl	SEMIVOA	3100	5000	62
2-Fluorobiphenyl	SEMIVOA	3050	5000	61

028007

~~028006~~

003526

COMPUCHEM ORGANICS ANALYSIS DATA SHEET
LIBRARY SEARCH RESULTS OF EXTRANEOUS PEAKS &
ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: FSCC7

DATA FILENAME: GH019260A15 SAMPLE # _____

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ASSESSMENT* RS	OI	UK	ESTIMATED CONC (UG/KG) OR ~~(UG/L)~~
1	436	54798-92-4	2H-TETRAZOLE-5-CARBOXYLICACID,2-PHENYL-	41.2	☐	☐	☐	43000.
2	468	54798-92-4	2H-TETRAZOLE-5-CARBOXYLICACID,2-PHENYL-	36.9	☐	☐	☐	170000.
3	556	17574-84-4	1-PROPENE,1-METHOXY-2-METHYL-	56.6	☐	☐	☐	830.
~~4~~	~~1053~~	~~16587-34-1~~	~~NAPHTHO-2,3-B-THIOPHENE,4,9-DIMETHYL-~~	~~58.3~~	☐	☐	☐	~~6900.~~ Surrogate

52.000 40.00

SPECTROSCOPIST _____

DATE 2/1/84

(*) RS - REASONABLE IDENTIFICATION, RETENTION TIME COMPATIBILITY
OI - OR ISOMER
UK - UNKNOWN: LIBRARY SEARCH RESULT UNREASONABLE OR OF VERY LOW PURITY

OU5008

51

EXTRACTION WORKSHEET
Semi-Volatiles/Miscellaneous

DATE ASSIGNED 1-25-84

ASSIGNED TO: Ed

PAGE ____ OF 3

SAMPLE NUMBER	PREP CODE	CASE #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) B/N	ACID	PEST	TCDD	ADJUSTED PH B/N	A	DATE COMPT	COMMENTS
19260 / 19262	128 / 112	2333	SS	19269	50.18	.5	1	5	5	13	1	1/25/84	
19261 / 19263	128 / 112	2333	SS	19269	50.24	.5	1	5	5	13			
19257	128	2333			50.50	.5	1	5	5	13	1		
19264	128	2333			25.04	.5	1	5	5	13	1		Low Sample Volume
19265	128	2333			50.59	.5	1	5	5	13	1		
19266	128	2333			50.42	.5	1	5	5	13	1		
19267	128	2333			50.00 ml	.5	1	5	5	13	1		
19268	128	2333			50.35	.5	1	5	5	13	1		
19269	128	2333			50.08	.5	1	5	5	13	1		
19317			B		50.00 ml	.5	1	5	5	13	1		

		S-Vol	Acid	B/N	Pest.	TCDD	Other
SURROGATE	NO.	382			368	369	
	AMT.	2504l			2504l	2004l	
	LOT	10831			10802	10903	
SPIKE	NO.		3008	2018	4014		
	AMT.		1ml	1ml	1ml		
	LOT		10873	10870	10890		
INTERNAL STANDARD	NO.						
	AMT.						
	LOT						

MANUAL COUNTER 136/338

№ 3140

m13
1-26

0032

COMPOUND LIST NO. _____

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE	x	CORRECTION FACTOR x	=	RESULTS (ug/kg)	DET. LIM (ug/kg)
2	441	N-NITROSODIMETHYLAMINE			.52 *			10
3	610	PHENOL	26				1400	10
4	473	ANILINE						10
5	411	BIS(2-CHLOROETHYL)ETHER						10
6	601	2-CHLOROPHENOL	32				1700	10
7	421	1,3-DICHLOROBENZENE						10
8	422	1,4-DICHLOROBENZENE	35				1800	10
9	474	BENZYL ALCOHOL						20
10	420	1,2-DICHLOROBENZENE.....						10
11	620	2-METHYLPHENOL						10
12	412	BIS(2-CHLOROISOPROPYL)ETHER						20
13	622	4-METHYLPHENOL						10
14	442	N-NITROSO-DI-N-PROPYLAMINE .	125				6500	20
15	436	HEXACHLOROETHANE						10
16	440	NITROBENZENE						10
18	438	ISOPHORONE						10
19	606	2-NITROPHENOL						20
20	603	2,4-DIMETHYLPHENOL						10
21	410	BIS(2-CHLOROETHOXY)METHANE .						20
22	625	BENZOIC ACID						100
23	602	2,4-DICHLOROPHENOL						10
24	446	1,2,4-TRICHLOROBENZENE	37				1900	10
25	439	NAPHTHALENE						10
26	475	4-CHLOROANILINE						50
27	434	HEXACHLOROBUTADIENE						10
28	608	P-CHLORO-M-CRESOL	22				1100	20
29	477	2-METHYLNAPTHALENE						20
30	435	HEXACHLOROCYCLOPENTADIENE ..						10
31	611	2,4,6-TRICHLOROPHENOL.....						10
32	626	2,4,5-TRICHLOROPHENOL						100
34	416	2-CHLORONAPHTHALENE						10
35	479	3-NITROANILINE						100
36	425	DIMETHYLPHTHALATE						10
37	402	ACENAPHTHYLENE						10
38	428	2,6-DINITROTOLUENE						20

PLEASE COMPLETE CORRECTION FACTOR CALCULATIONS ON THIRD SHEET OF THE COMPOUND LIST!!!

COMPOUND LIST NO. _____ IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE	x	CORRECTION FACTOR	x	= RESULTS (ug/kg)	DET LIM. (ug/kg)	
39	478	2-NITROANILINE			52 *			100	
40	401	ACENAPHTHENE	33				1700	10	
41	605	2,4-DINITROPHENOL						50	
42	607	4-NITROPHENOL						100	
43	476	DIBENZOFURAN						10	
44	427	2,4-DINITROTOLUENE	7				BDL	20	
45	424	DIETHYLPHTHALATE						10	
46	417	4-CHLOROPHENYL PHENYL ETHER						10	
47	432	FLUORENE						10	
48	480	4-NITROANILINE						100	
49	604	4,6-DINITRO-O-CRESOL						20	
50	443	DIPHENYLAMINE (N-NITROSO)						10	
51	430	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)						20	
53	414	4-BROMOPHENYL PHENYL ETHER						10	
54	433	HEXACHLOROBENZENE						10	
55	609	PENTACHLOROPHENOL	16				(LT)	20	
56	444	PHENANTHRENE						10	x
57	403	ANTHRACENE						10	
58	426	DI-N-BUTYLPHTHALATE	31				1600	10	
59	431	FLUORANTHENE						10	
61	445	PYRENE	33				1700	10	
62	404	BENZIDINE						40	
63	415	BUTYLBENZYLPHTHALATE						10	
64	423	3,3'-DICHLOROBENZIDINE						20	
65	405	BENZO(A)ANTHRACENE						10	
66	413	BIS(2-ETHYLHEXYL)PHTHALATE						10	
67	418	CHRYSENE						10	
68	429	DI-N-OCTYLPHTHALATE						10	
70	407	BENZO(B)FLUORANTHENE						20	
71	409	BENZO(K)FLUORANTHENE						20	
72	406	BENZO(A)PYRENE						20	
73	437	INDENO(1,2,3-C,D)PYRENE						20	
74	419	DIBENZO(A,H)ANTHRACENE						20	
75	408	BENZO(G,H,I)PERYLENE						20	

(See calculations and surrogates on back)

026011

COMPOUND LIST NO. _____ COMPUCHEM NO. _____ DATE _____

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COMPOUND NUMBER	SURROGATE COMPOUNDS	QUANT. REPORT VALUE	QUANT. REPORT AMOUNT SPIKED	x	% †† RECOVERY	ACCEPTABLE RANGE
619	2-FLUOROPHENOL	93	125 ÷	1 †	74	(26-116)
612	D_5-PHENOL	61	125 ÷		49	(10-104)
447	D_5-NITROBENZENE	27	125 ÷		22	(19-115)
448	2-FLUOROBIPHENYL	76	125 ÷		61	(17-125)
628	TRIBROMOPHENOL	76	125 ÷		61	(32-124)*
471	D_{10}-PYRENE	80	125 ÷		64	(NA)
496	D_{14}-TERPHENYL	77	125 ÷		62	(34-126)*

†† % Recovery = $\frac{\text{Quant. Report Value}}{\text{Quant. Report Amount Spiked}} \times 100\%$

CORRECTION FACTOR CALCULATION:

$$\frac{\text{Final extraction volume(ml)}}{\text{1ml for Acid, 0.5ml for BN}} \times \frac{50\text{ g}}{\text{Wet Weight Extracted (g)}} \times \text{Dilution Factor} \times \text{Dry Weight Factor} \times 40 =$$

$$\frac{1.0 \quad 0.5\ \text{(ml)}}{\text{1.0 and 0.5 ml}} \times \frac{50\text{ g}}{50\ \text{(g)}} \times \_\_\_\_ \times 1.3 \times 40 = \boxed{52\ *}$$

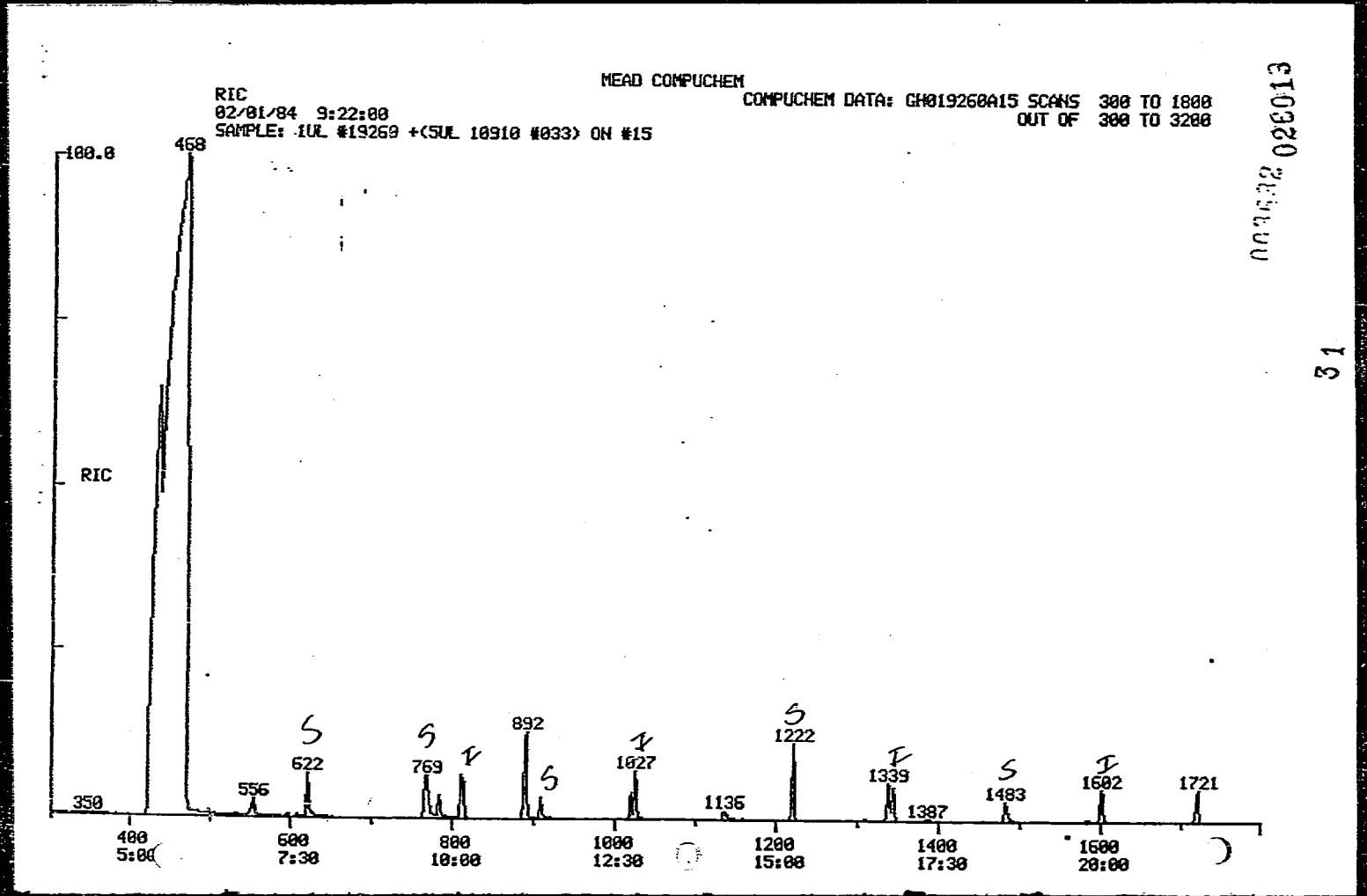
QUANT. REPORT AMOUNT SPIKED CONVERSION FACTOR:

$$\frac{250\text{ ul}}{\text{Amount Surrogate Added (ul)}} \times \frac{\text{Final Extract Vol. (ml)}}{\text{1ml for Acid, 0.5ml for BN}} \times \text{Dilution Factor} =$$

$$\frac{250\text{ ul}}{250\ \text{(ul)}} \times \frac{1 + 0.5\ \text{(ml)}}{\text{1.0 and 0.5ml}} \times \_\_\_\_ = \boxed{1\ †}$$

*For Advisory Purposes Only

JRT 11/83


MEAD COMPUCHEM
RIC
02/01/84 9:22:00
SAMPLE: 1UL #19269 +(5UL 10910 #033) ON #15
COMPUCHEM DATA: GH019260A15 SCANS 300 TO 1800
OUT OF 300 TO 3200
100.0
RIC
350
468
556
622
769
892
1027
1136
1222
1339
1387
1483
1602
1721
400
5:00
600
7:30
800
10:00
1000
12:30
1200
15:00
1400
17:30
1600
20:00

MEAD COMPUCHEM

RIC

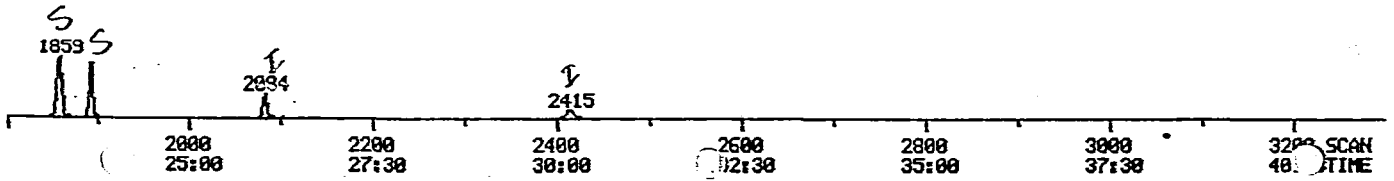
COMPUCHEM DATA: GH019260A15 SCANS 1800 TO 3200

02/01/84 9:22:00

OUT OF 300 TO 3200

SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15

2240516



PROCEDURE: RK DIAGNOSTIC REPORT 2/01/84 10:11:3C
DATA FILE: QH019260A15
REFERENCE: FSCC7
METHOD: FSCC7 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: FSCC7S1

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES STANDARD/UNKNOWN
6	6	1	93	54	15	1	740	FSCC7S1/FSCC7U1
6	6	1	93	34	14	1	99	FSCC7S2/FSCC7U2

82 COMPOUNDS PROCESSED, 23 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SEARCH SEL	SEARCH DELTA	SEARCH PEAKS	SAT FIT	SAT PEAKS	CHRO M/E	CHRO TOP	CHRO DELTA	CHRO PEAKS
1	C1	1	-809	811	812	1	1	997	.	150	-812	.	1
2	C2	1	-1025	1027	1027	.	1	983	.	136	1027	.	1
3	C3	1	-1337	1340	1339	-1	1	994	.	164	1339	.	1
4	C4	1	-1599	1602	1602	.	1	983	.	188	1602	.	1
5	C5	1	-2080	2084	2084	.	1	795	.	240	2084	.	1
6	C6	1	-2409	2414	2415	1	1	944	.	264	2415	.	1
7	C1	2	-395	398	.	.	.	.	.	74	.	.	.
8	C1	3	-767	771	769	-2	1	984	.	94	769	.	1
9	C1	4	-766	770	.	.	.	.	.	93	769	.	1
10	C1	5	-777	781	.	.	.	.	.	93	784	.	2
11	C1	6	-782	786	785	-1	1	993	.	128	785	.	1
12	C1	7	-803	807	.	.	.	.	.	146	.	.	.
13	C1	8	-812	816	815	-1	1	992	.	146	815	.	1
14	C1	9	-840	844	.	.	.	.	.	108	.	.	.
15	C1	10	-842	846	.	.	.	.	.	146	.	.	.
16	C1	11	-862	866	.	.	.	.	.	108	.	.	.
17	C1	12	-865	869	.	.	.	.	.	121	.	.	.
18	C1	13	-887	891	.	.	.	.	.	108	.	.	.
19	C1	14	-888	892	892	.	1	996	1	OK 130	891	-1	1
20	C1	15	-892	896	.	.	.	.	.	117	.	.	.
21	C1	16	-910	914	.	.	.	.	.	123	.	.	.
22	C2	2	-950	955	.	.	.	.	.	82	958	.	3
23	C2	3	-964	969	.	.	.	.	.	139	.	.	.
24	C2	4	-975	980	.	.	.	.	.	122	.	.	.
25	C2	5	-991	996	.	.	.	.	.	93	.	.	.
26	C2	6	-1014	1019	.	.	.	.	.	105	.	.	.
27	C2	7	-1005	1010	.	.	.	.	.	162	.	.	.
28	C2	8	-1018	1023	1021	-2	1	995	.	180	1021	.	1
29	C2	9	-1028	1033	.	.	.	.	.	128	.	.	.
30	C2	10	-1047	1052	.	.	.	.	.	127	.	.	.
31	C2	11	-1061	1066	.	.	.	.	.	225	.	.	.
32	C2	12	-1131	1136	1136	.	1	998	.	107	1136	.	1
33	C2	13	-1149	1154	.	.	.	.	.	115	.	.	.
34	C2	14	-1189	1194	.	.	.	.	.	237	.	.	.
35	C2	15	-1205	1210	.	.	.	.	.	196	.	.	.
36	C2	16	-1212	1217	.	.	.	.	.	196	.	.	.
37	C3	2	-1234	1239	.	.	.	.	.	162	.	.	.
38	C3	3	-1264	1269	.	.	.	.	.	138	.	.	.
39	C3	4	-1301	1306	.	.	.	.	.	163	1304	.	1
40	C3	5	-1309	1314	.	.	.	.	.	152	.	.	.
41	C3	6	-1313	1318	.	.	.	.	.	165	.	.	.
42	C3	7	-1340	1345	.	.	.	.	.	138	.	.	.
43	C3	8	-1342	1347	1345	-2	1	991	.	154	1345	.	1
44	C3	9	-1356	1362	1387	25	1	447	.	184	.	.	.
45	C3	10	-1377	1383	.	.	.	.	.	109	.	.	.
46	C3	11	-1371	1377	.	.	.	.	.	168	.	.	.
47	C3	12	-1382	1388	1387	-1	1	916	.	165	1387	.	1
48	C3	13	-1427	1433	.	.	.	31	.	149	1430	.	1
49	C3	14	-1434	1440	.	.	.	.	.	204	.	.	.

026015

51	C3	16	-1465	1471	.	.	.	.	.	138	.	.	.
52	C3	17	-1454	1460	.	.	.	.	.	198	.	.	.
53	C3	18	-1458	1464	.	.	.	.	.	169	1461	.	1
54	C3	19	-1463	1469	.	.	.	.	.	77	1466	.	1
55	C4	2	-1520	1523	.	.	.	.	.	248	.	.	.
56	C4	3	-1545	1548	.	.	.	.	.	284	.	.	.
57	C4	4	-1580	1583	1585	2	1	855	.	266	1584	-1	1
58	C4	5	-1604	1607	.	.	.	.	.	178	1606	.	1
59	C4	6	-1611	1615	.	.	.	.	.	178	1615	.	1
60	C4	7	-1718	1722	1721	-1	1	968	.	149	1721	.	1
61	C4	8	-1818	1822	.	.	.	.	.	202	1821	.	1
62	C5	2	-1858	1862	1861	-1	1	993	.	202	1861	.	1
63	C5	3	.	.	.	.	.	.	.	184	.	.	.
64	C5	4	-1987	1991	.	.	.	.	.	149	1991	.	1
65	C5	5	.	.	.	.	.	.	.	252	.	.	.
66	C5	6	-2077	2081	.	.	.	.	.	228	2080	.	1
67	C5	7	-2100	2104	.	.	.	.	.	149	2103	.	1
68	C5	8	-2085	2089	.	.	.	.	.	228	2088	.	1
69	C5	9	-2238	2242	.	.	.	.	.	149	2240	.	1
70	C6	2	-2321	2325	.	.	.	.	.	252	2325	.	1
71	C6	3	-2327	2331	.	.	.	.	.	252	2332	.	1
72	C6	4	-2417	2421	.	.	.	.	.	252	2420	.	1
73	C6	5	-2886	2891	.	.	.	.	.	276	.	.	.
74	C6	6	-2905	2910	.	.	.	.	.	278	.	.	.
75	C6	7	-3024	3029	.	.	.	.	.	276	.	.	.
76	C7	2	-618	621	622	1	1	993	.	112	622	.	1
77	C7	3	-765	768	.	.	.	.	.	99	768	.	1
78	C7	4	-907	910	910	.	1	990	.	82	910	.	1
79	C7	5	-1219	1222	1222	.	1	988	.	172	1222	.	1
80	C7	6	-1480	1483	1483	.	1	990	.	330	1483	.	1
81	C7	7	-1855	1859	.	.	.	.	.	212	1858	.	1
82	C7	8	-1890	1894	1893	-1	1	994	.	244	1893	.	1

003635

026016

QUANTITATION REPORT FILE: GH019260A15

DATA: GH019260A15.TI
02/01/84 9:22:00
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
SUBMITTED BY: #15 ANALYST: 659

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	*D4-1,4-DICHLOROBENZENE (IS)
2	441 N-NITROSODIMETHYAMINE
3	610 PHENOL
4	473 ANILINE
5	411 BIS(2-CHLOROETHYL)ETHER
6	601 2-CHLOROPHENOL
7	421 1,3-DICHLOROBENZENE
8	422 1,4-DICHLOROBENZENE
9	474 BENZYL ALCOHOL
10	420 1,2-DICHLOROBENZENE
11	620 2-METHYLPHENYL
12	412 BIS(2-CHLOROISOPROPYL)ETHER
13	622 4-METHYLPHENOL
14	442 N-NITROSO-DI-N-PROPYLAMINE
15	436 HEXACHLOROETHANE
16	440 NITROBENZENE
17	*460 D8-NAPHTHALENE (IS)
18	438 ISOPHRONE
19	606 2-NITROPHENOL
20	603 2,4-DIMETHYLPHENOL
21	410 BIS(2-CHLOROETHOXY)METHANE
22	625 BENZOIC ACID
23	602 2,4-DICHLOROPHENOL
24	446 1,2,4-TRICHLOROBENZENE
25	439 NAPHTHALENE
26	475 4-CHLOROANILINE
27	434 HEXACHLOROBUTADIENE
28	608 P-CHLORO-M-CRESOL
29	477 2-METHYLNAPHTHALENE
30	435 HEXACHLOROCYCLOPENTADIENE
31	611 2,4,6-TRICHLOROPHENOL
32	626 2,4,5-TRICHLOROPHENOL
33	*D10-ACENAPHTHENE (IS)
34	416 2-CHLORONAPHTHALENE
35	479 3-NITROANILINE
36	425 DIMETHYLPHTHALATE
37	402 ACENAPHTHYLENE
38	428 2,6-DINITROTOLUENE
39	478 2-NITROANILINE
40	401 ACENAPHTHENE
41	605 2,4-DINITROPHENOL
42	607 4-NITROPHENOL
43	476 DIBENZOFURAN
44	427 2,4-DINITROTOLUENE
45	424 DIETHYLPHTHALATE
46	417 4-CHLOROPHENYL PHENYL ETHER

003636

026017

NO	NAME
47	432 FLUORENE
48	480 4-NITROANILINE
49	604 4,6-DINITRO-O-CRESOL
50	443 DIPHENYLAMINE (N-NITROSO)
51	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE)
52	*467 D10-PHENANTHRENE (IS)
53	414 4-BROMOPHENYL PHENYL ETHER
54	433 HEXACHLOROBENZENE
55	609 PENTACHLOROPHENOL
56	444 PHENANTHRENE
57	403 ANTHRACENE
58	426 DI-N-BUTYLPHTHALATE
59	431 FLUORANTHENE
60	*459 D12-CHRYSENE (IS)
61	445 PYRENE
62	404 BENZIDENE
63	415 BUTYLBENZYLPHTHALATE
64	423 3,3'-DICHLOROBENZIDINE
65	405 BENZO(A)ANTHRACENE
66	413 BIS(2-ETHYLHEXYL)PHTHALATE
67	418 CHRYSENE
68	429 DI-N-OCTYLPHTHALATE
69	*D12-BENZO(A)PYRENE (IS)
70	407 BENZO(B)FLUORANTHENE
71	409 BENZO(K)FLUORANTHENE
72	406 BENZO(A)PYRENE
73	437 INDENO(1,2,3-C,D)PYRENE
74	419 DIBENZO(A,H)ANTHRACENE
75	408 BENZO(G,H,I)PERYLENE
76	619 2-FLUOROPHENOL (SURROGATE)
77	D5-PHENOL (SURROGATE)
78	447 D5-NITROBENZENE (SURROGATE)
79	448 2-FLUOROBIPHENYL (SURROGATE)
80	TRIBROMOPHENOL (SURROGATE)
81	D10-PYRENE (SURROGATE)
82	D14-TERPHENYL (SURROGATE)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	150	812	10:09	1	1.000	A BV	86507.	40.000 NG	3.52
2	NOT FOUND								
3	94	769 ✓	9:37	1	0.947	A BV	66141.	25.975 NG	2.28
4	93	769	9:37	1	0.947	A BB	2153.	1.094 NG	0.10
5	93	784	9:48	1	0.966	A*BB	2049.	0.816 NG	0.07
6	128	785 ✓	9:49	1	0.967	A BV	53304.	31.532 NG	2.77
7	NOT FOUND								
8	146	815 ✓	10:11	1	1.004	A BV	71013.	35.005 NG	3.08
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	130	891 ✓	11:08	1	1.097	A BV	45098.	124.711 NG	10.96
15	NOT FOUND								
16	NOT FOUND								
17	136	1027	12:50	17	1.000	A BV	174812.	40.000 NG	3.52
	82	958	11:58	17	0.933	A*BV	1961.	0.454 NG	0.04

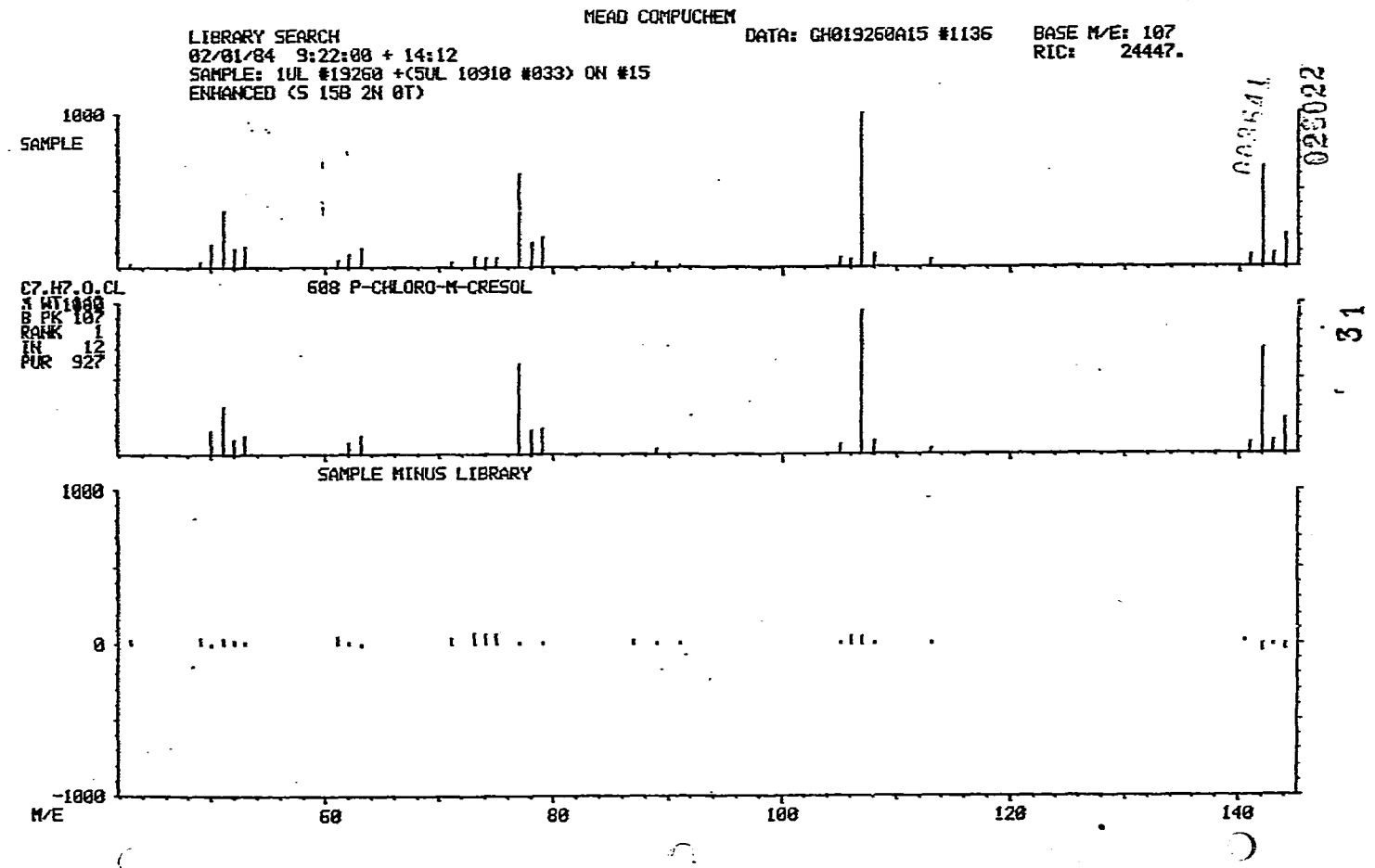
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	180	1021	12:46	17	0.994	A BB	50370.	37.004 NG	3.25
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	107	1136	14:12	17	1.106	A BV	46893.	22.009 NG	1.93
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	164	1339	16:44	33	1.000	A BB	91370.	40.000 NG	3.52
34	NOT FOUND								
35	NOT FOUND								
36	163	1304	16:18	33	0.974	A BB	1146.	0.323 NG	0.03
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	154	1345	16:49	33	1.004	A BV	83824.	33.005 NG	2.90
41	NOT FOUND								
42	NOT FOUND - N.F.								
43	NOT FOUND								
44	165	1387	17:20	33	1.036	A BB	7833.	7.323 NG	0.64
45	149	1430	17:52	33	1.068	A BB	1905.	0.461 NG	0.04
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	169	1461	18:16	33	1.091	A*BB	447.	0.294 NG	0.03
51	77	1466	18:19	33	1.095	A BB	480.	0.092 NG	0.01
52	188	1602	20:01	52	1.000	A BV	154779.	40.000 NG	3.52
53	NOT FOUND								
54	NOT FOUND								
55	266	1584	19:48	52	0.989	A BV	5135.	16.475 NG	1.45
56	178	1606	20:04	52	1.002	A BB	792.	0.186 NG	0.02
57	178	1615	20:11	52	1.008	A BB	756.	0.200 NG	0.02
58	149	1721	21:31	52	1.074	A VV	208352.	30.781 NG	2.71
59	202	1821	22:46	52	1.137	A BB	2102.	0.492 NG	0.04
60	240	2084	26:03	60	1.000	A VV	98384.	40.000 NG	3.52
61	202	1861	23:16	60	0.893	A BV	134560.	32.712 NG	2.88
62	NOT FOUND								
63	149	1991	24:53	60	0.955	A BB	635.	0.239 NG	0.02
64	NOT FOUND								
65	228	2080	26:00	60	0.998	A BV	2441.	0.730 NG	0.06
66	149	2103	26:17	60	1.009	A BB	1914.	0.522 NG	0.05
67	228	2088	26:06	60	1.002	A VB	2057.	0.631 NG	0.06
68	149	2240	28:00	60	1.075	A BB	2251.	0.342 NG	0.03
69	264	2415	30:11	69	1.000	A BV	93258.	40.000 NG	3.52
70	252	2325	29:04	69	0.963	A*BV	2141.	0.833 NG	0.07
71	252	2332	29:09	69	0.966	A*VB	2901.	1.027 NG	0.09
72	252	2420	30:15	69	1.002	A BV	2191.	0.856 NG	0.08
73	NOT FOUND								
	NOT FOUND								

026013

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
75	NOT FOUND									
76	112	622	7:46	1	0.766	A BV	130440.	92.978	NG	8.17
77	99	768	9:36	17	0.748	A BV	119323.	61.251	NG	5.38
8	82	910	11:22	17	0.886	A BV	66017.	27.490	NG	2.42
79	172	1222	15:16	17	1.190	A BV	220827.	76.282	NG	6.70
80	330	1483	18:32	33	1.108	A BV	23383.	75.786	NG	6.66
81	212	1858	23:13	60	0.892	A BV	287577.	80.494	NG	7.08
82	244	1893	23:40	52	1.182	A VV	207699.	77.433	NG	6.81

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	10:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:56		0.488			50.00		0.534	
3	9:35	1.00	0.948	1.00	25.98	50.00	0.612	1.177	0.52
4	9:34	1.00	0.947	1.00	1.09	50.00	0.020	0.910	0.02
5	9:43	1.01	0.960	1.01	0.82	50.00	0.019	1.162	0.02
6	9:46	1.00	0.967	1.00	31.53	50.00	0.493	0.782	0.63
7	10:02		0.993			50.00		0.858	
8	10:09	1.00	1.004	1.00	35.00	50.00	0.657	0.938	0.70
9	10:30		1.038			50.00		0.526	
10	10:31		1.041			50.00		0.837	
11	10:46		1.066			50.00		0.794	
12	10:49		1.069			50.00		0.295	
13	11:05		1.096			50.00		0.805	
14	11:06	1.00	1.098	1.00	124.71	50.00	0.417	0.167	2.49
15	11:09		1.103			50.00		0.434	
16	11:22		1.125			50.00		0.420	
17	12:49	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
18	11:52	1.01	0.927	1.01	0.45	50.00	0.009	0.988	0.01
19	12:03		0.940			50.00		0.201	
20	12:11		0.951			50.00		0.358	
21	12:23		0.967			50.00		0.573	
22	12:40		0.989			250.00		0.326	
23	12:34		0.980			50.00		0.276	
24	12:43	1.00	0.993	1.00	37.00	50.00	0.231	0.311	0.74
25	12:51		1.003			50.00		1.142	
26	13:05		1.021			250.00		0.254	
27	13:16		1.035			50.00		0.155	
28	14:08	1.00	1.103	1.00	22.01	50.00	0.215	0.488	0.44
29	14:22		1.121			50.00		0.356	
30	14:52		1.160			50.00		0.062	
31	15:04		1.176			50.00		0.192	
32	15:09		1.182			250.00		0.178	
33	16:43	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
34	15:25		0.923			50.00		1.134	
35	15:48		0.945			250.00		0.452	
36	16:16	1.00	0.973	1.00	0.32	50.00	0.010	1.555	0.01
37	16:22		0.979			50.00		1.736	
38	16:25		0.982			50.00		0.306	
39	16:45		1.002			250.00		0.024	
40	16:46	1.00	1.004	1.00	33.01	50.00	0.734	1.112	0.66
41	16:57		1.014			250.00		0.043	
42	17:13		1.030			125.00		0.114	
43	17:08		1.025			50.00		1.649	
44	17:16	1.00	1.034	1.00	7.32	50.00	0.069	0.468	0.15
45	17:50	1.00	1.067	1.00	0.46	50.00	0.017	1.810	0.01
46	17:55		1.073			50.00		0.464	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
47	17:55		1.072			50.00		1.291	
48	18:19		1.096			250.00		0.049	
49	18:10		1.088			250.00		0.130	
50	18:13	1.00	1.090	1.00	0.29	50.00	0.004	0.666	0.01
51	18:17	1.00	1.094	1.00	0.09	50.00	0.004	2.279	0.00
52	19:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
53	19:00		0.951			50.00		0.161	
54	19:19		0.966			50.00		0.193	
55	19:45	1.00	0.988	1.00	16.47	50.00	0.027	0.081	0.33
56	20:03	1.00	1.003	1.00	0.19	50.00	0.004	1.098	0.00
57	20:08	1.00	1.008	1.00	0.20	50.00	0.004	0.976	0.00
58	21:28	1.00	1.074	1.00	30.78	50.00	1.077	1.749	0.62
59	22:43	1.00	1.137	1.00	0.49	50.00	0.011	1.104	0.01
60	26:00	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
61	23:13	1.00	0.893	1.00	32.71	50.00	1.094	1.672	0.65
62	23:41		0.893			50.00		0.010	
63	24:50	1.00	0.955	1.00	0.24	50.00	0.005	1.082	0.00
64	26:34		1.001			50.00		0.035	
65	25:58	1.00	0.999	1.00	0.73	50.00	0.020	1.360	0.01
66	26:15	1.00	1.010	1.00	0.52	50.00	0.016	1.491	0.01
67	26:04	1.00	1.002	1.00	0.63	50.00	0.017	1.325	0.01
68	27:58	1.00	1.076	1.00	0.34	50.00	0.018	2.674	0.01
69	30:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
70	29:01	1.00	0.963	1.00	0.83	50.00	0.018	1.103	0.02
71	29:05	1.00	0.966	1.00	1.03	50.00	0.025	1.212	0.02
72	30:13	1.00	1.003	1.00	0.86	50.00	0.019	1.097	0.02
73	36:04		1.198			50.00		0.659	
74	36:19		1.206			50.00		0.575	
75	37:48		1.255			50.00		0.293	
76	7:43	1.01	0.764	1.00	92.98	50.00	1.206	0.649	1.86
77	9:34	1.00	0.746	1.00	61.25	50.00	0.546	0.446	1.23
78	11:20	1.00	0.885	1.00	27.49	50.00	0.302	0.550	0.55
79	15:14	1.00	1.189	1.00	76.28	50.00	1.011	0.662	1.53
80	18:30	1.00	1.107	1.00	75.79	50.00	0.205	0.135	1.52
81	23:11	1.00	0.892	1.00	80.49	50.00	2.338	1.453	1.61
82	23:37	1.00	1.182	1.00	77.43	50.00	1.074	0.693	1.55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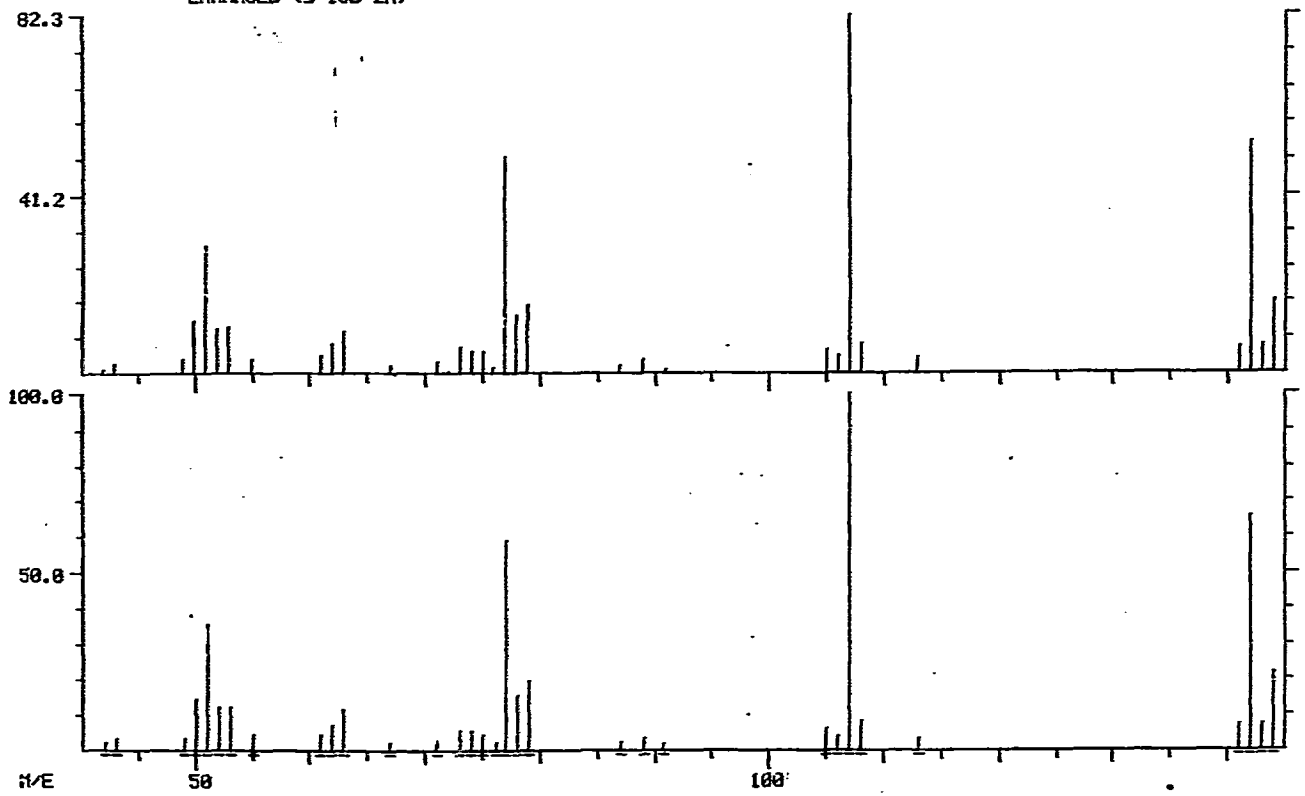
LIBRARY SEARCH
02/01/84 9:22:00 + 14:12
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N 0T)
DATA: GH019260A15 #1136
BASE M/E: 107
RIC: 24447.
SAMPLE
1000
C7.H7.O.CL
608 P-CHLORO-M-CRESOL
A WT1000
B PK 107
RANK 1
IN 12
PUR 927
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
60
80
100
120
140

608

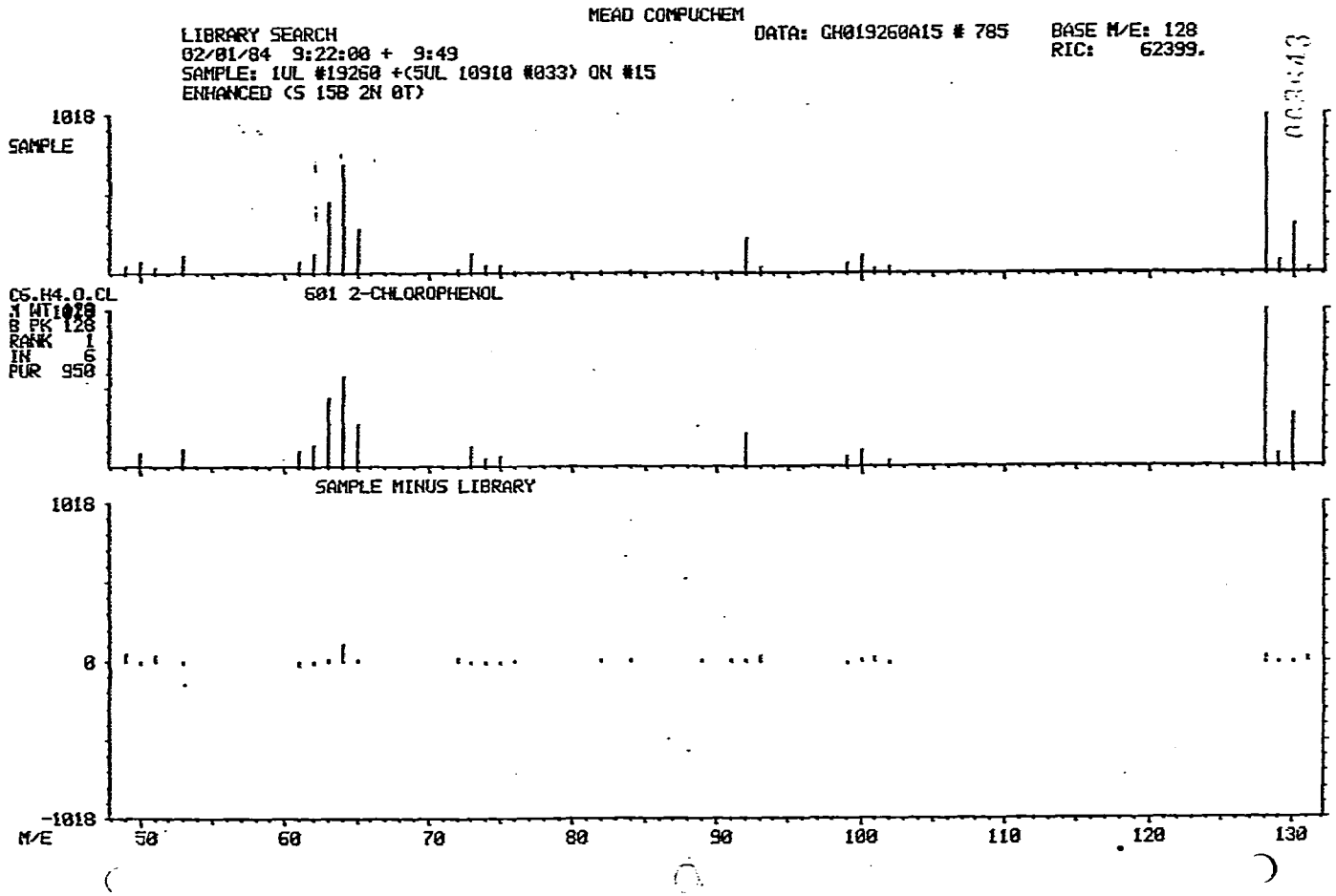
MEAD COMPUCHEM

DUAL MASS SPECTRUM
02/01/84 9:22:00 + 14:12
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 158 2N)

DATA: GH019260A15 #1136 BASE M/E: 107/ 107
RIC: 24959./ 29791.



31

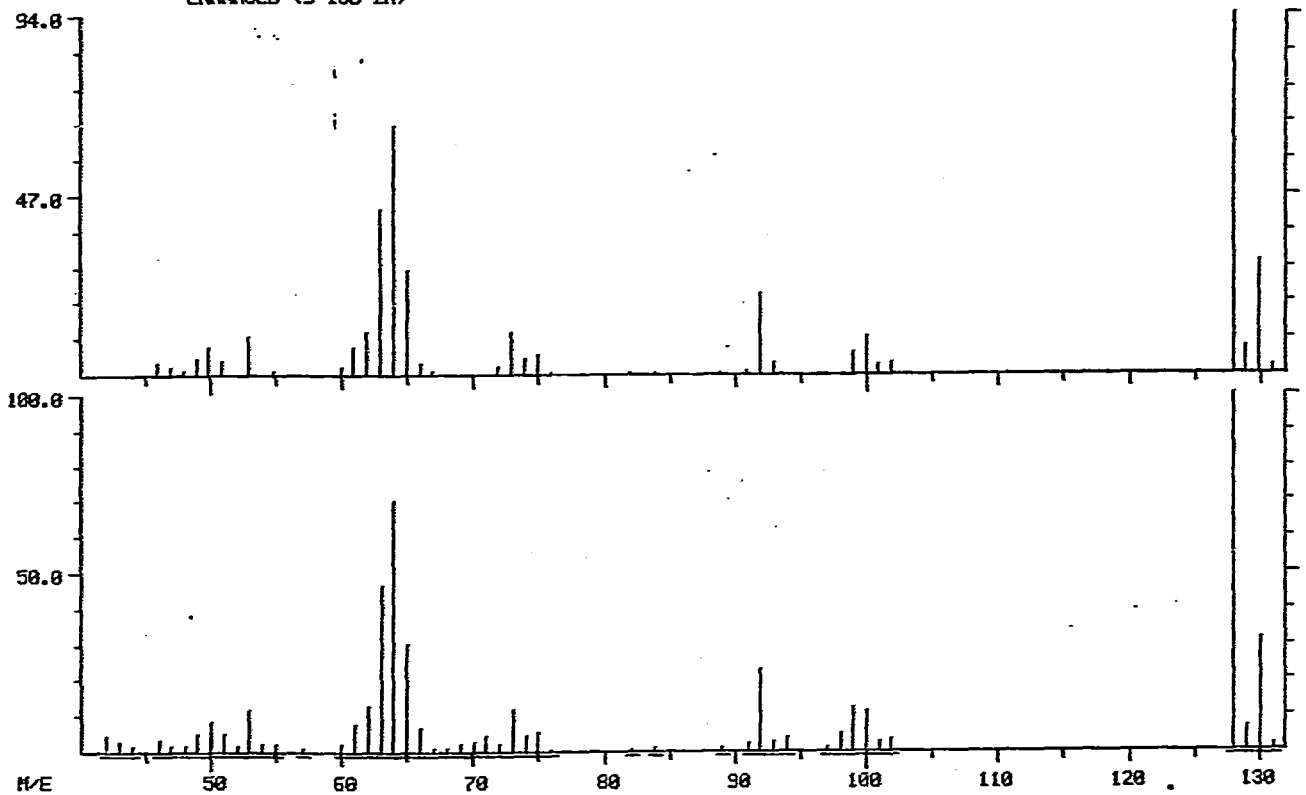

MEAD COMPUCHEM
LIBRARY SEARCH
02/01/84 9:22:00 + 9:49
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N 0T)
DATA: GH019260A15 # 785
BASE M/E: 128
RIC: 62399.
1018
SAMPLE
C6.H4.0.CL
601 2-CHLOROPHENOL
B PK 128
RANK 1
IN 6
PUR 950
SAMPLE MINUS LIBRARY
1018
0
-1018
M/E
50
60
70
80
90
100
110
120
130

601

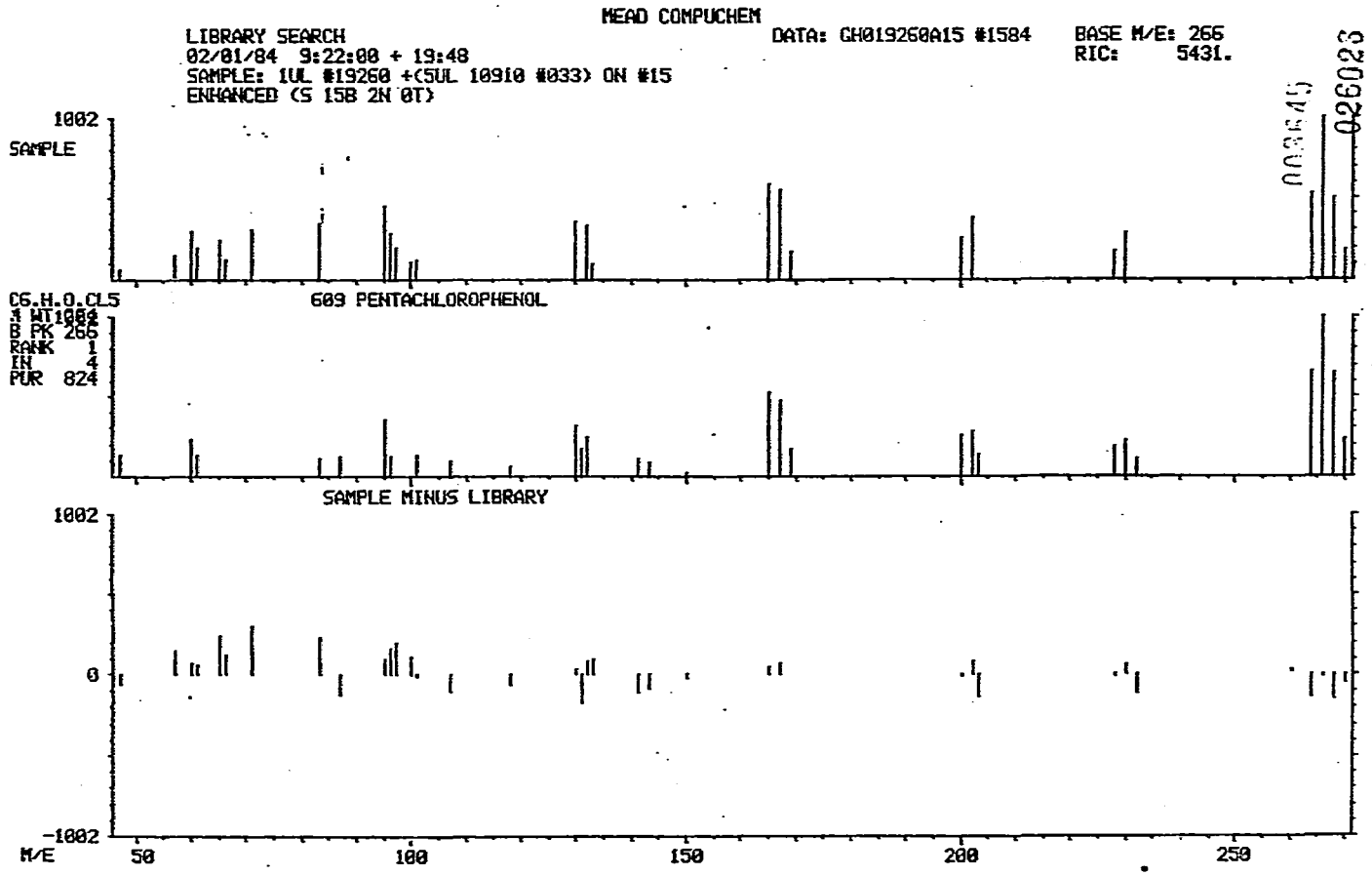
MEAD COMPUCHEM

DUAL MASS SPECTRUM
02/01/84 9:22:00 + 9:49
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N)

DATA: GH019260A15 #785 BASE M/E: 128/ 128
RIC: 64703./ 77311.



031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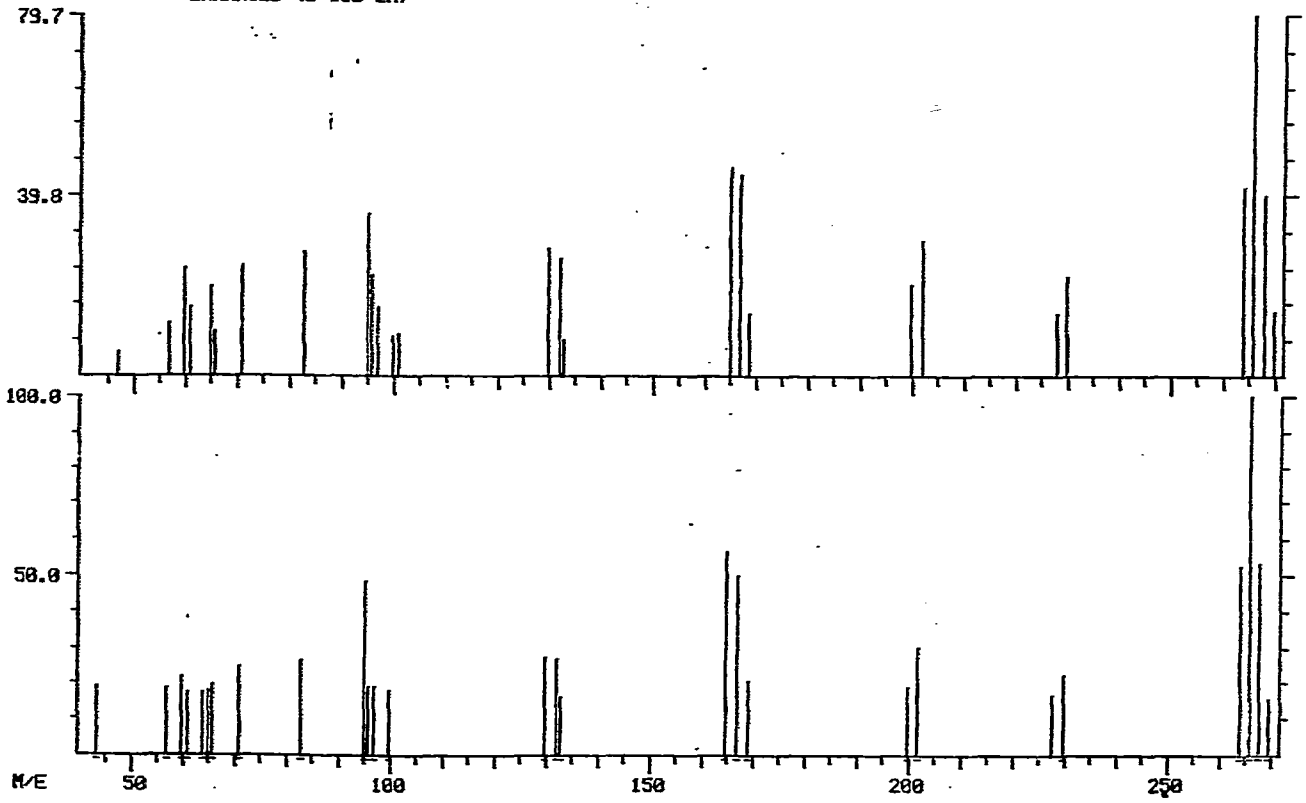
LIBRARY SEARCH
02/01/84 9:22:00 + 19:48
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N 0T)
DATA: GH019260A15 #1584
BASE M/E: 266
RIC: 5431.
1002
SAMPLE
C6.H.O.CL5
609 PENTACHLOROPHENOL
A WT1004
B PK 266
RANK 1
EN 4
PUR 824
SAMPLE MINUS LIBRARY
1002
0
-1002
M/E
50
100
150
200
250

609

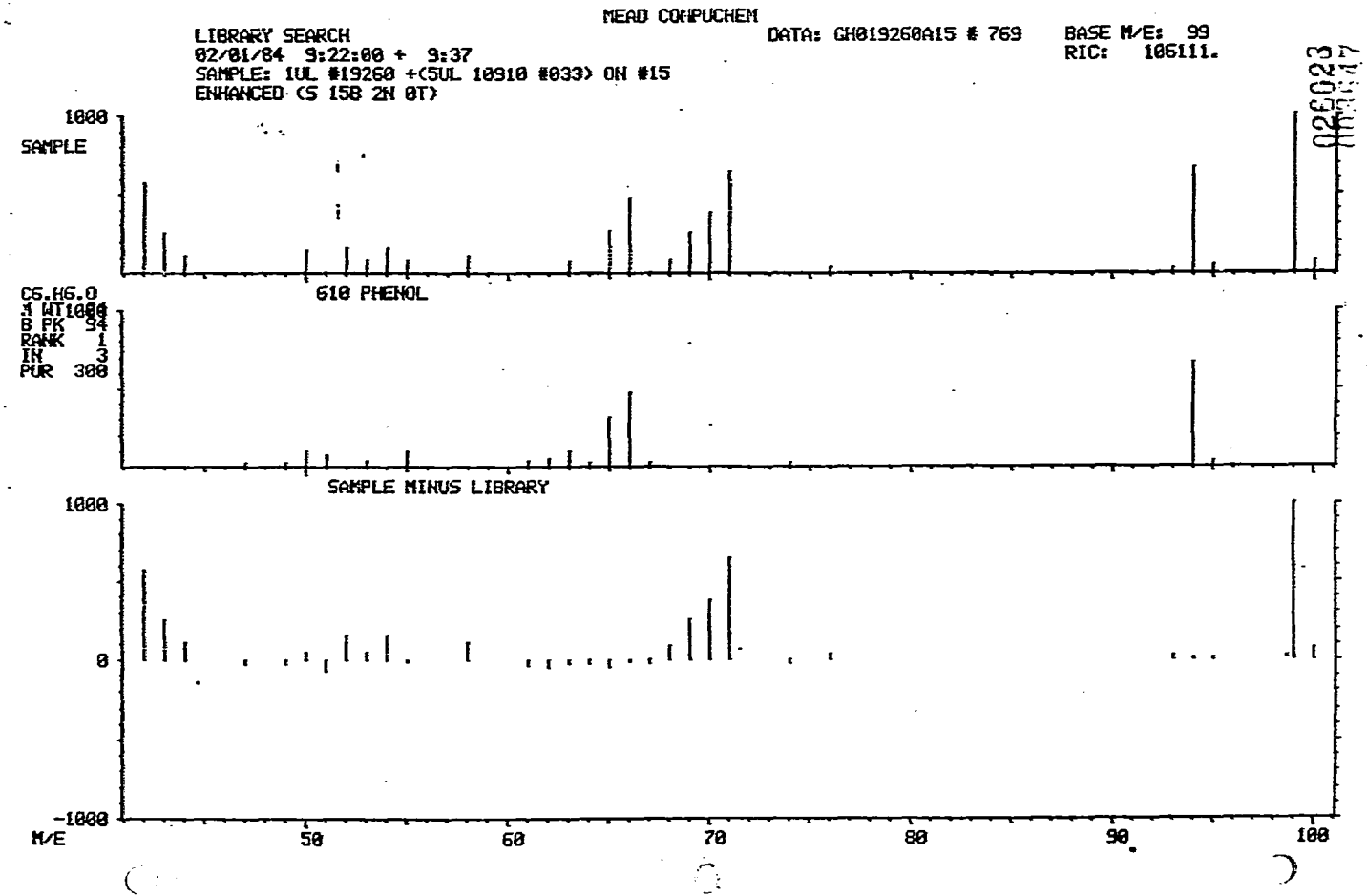
MEAD COMPUCHEM

DUAL MASS SPECTRUM
02/01/84 9:22:00 + 19:48
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N)

DATA: GH019260A15 #1584 BASE M/E: 266/ 266
RIC: 5431./ 6591.



02802

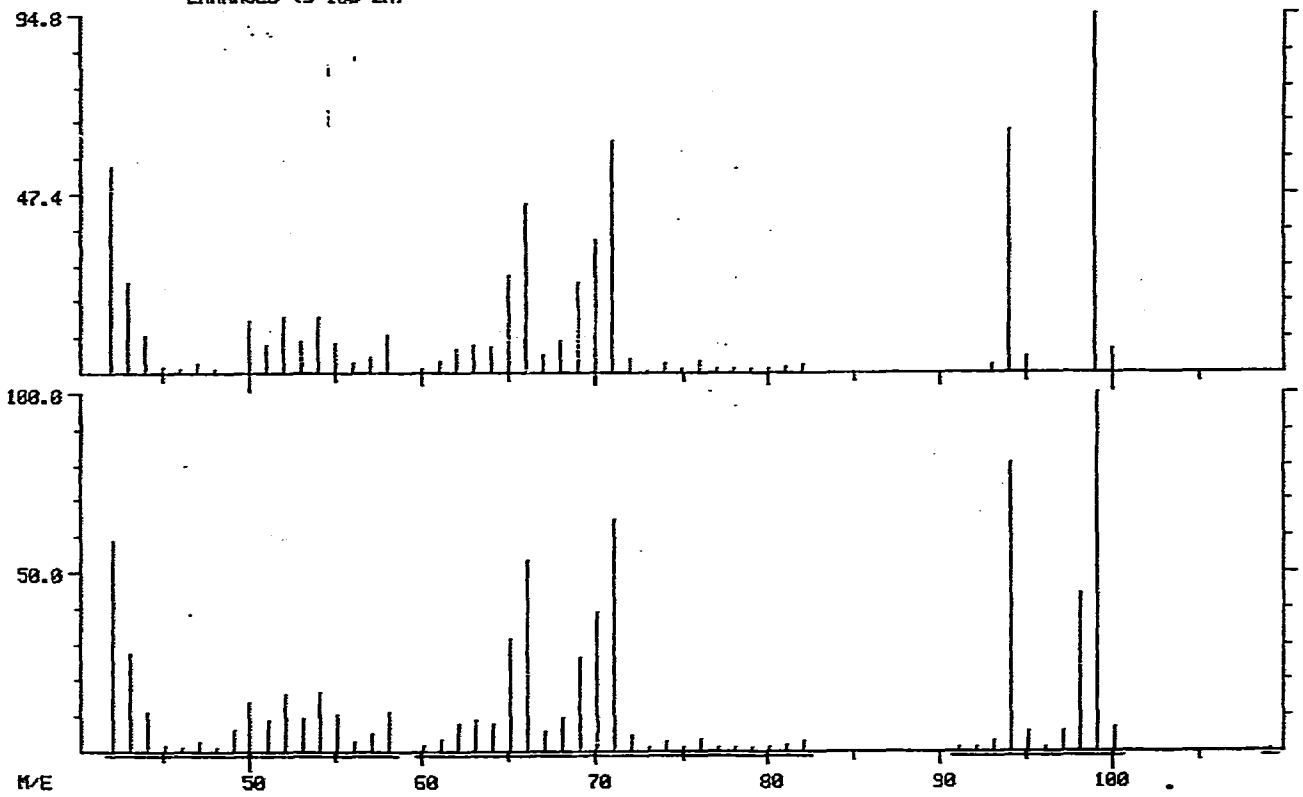

MEAD COMPUCHEM
LIBRARY SEARCH
02/01/84 9:22:00 + 9:37
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N 0T)
DATA: GH819260A15 # 769
BASE M/E: 99
RIC: 106111.
1000
SAMPLE
C6.H6.O
1 WT1000
B PK 94
RANK 1
IN 3
PUR 300
610 PHENOL
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
50
60
70
80
90
100

610

MEAD COMPUCHEM

DUAL MASS SPECTRUM
02/01/84 9:22:00 + 9:37
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N)

DATA: GH019260A15 #769 BASE M/E: 99/ 99
RIC: 117631./ 144383.



0003148

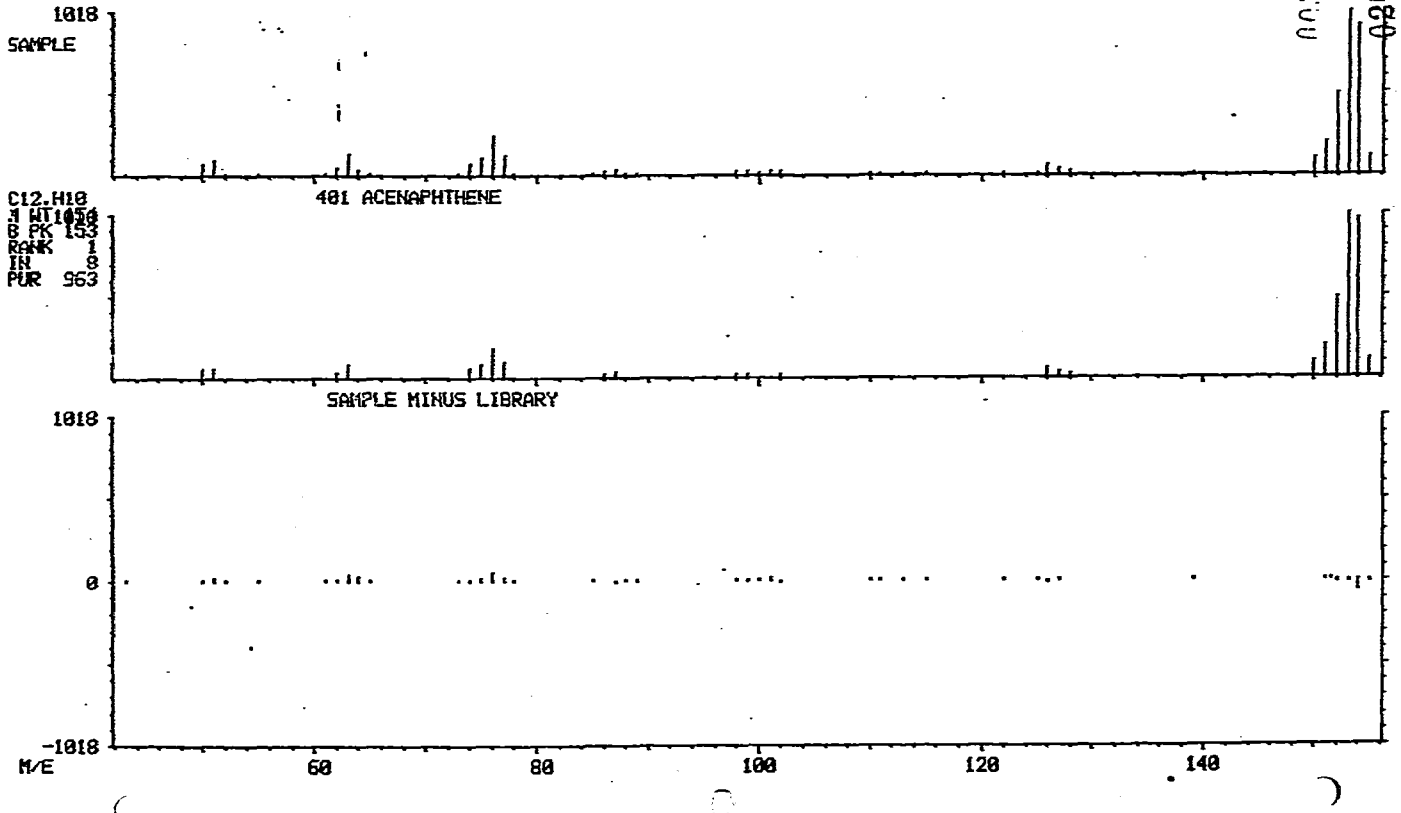
31

MEAD COMPUCHEM

LIBRARY SEARCH
02/01/84 9:22:00 + 16:49
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N 0T)

DATA: GH019260A15 #1345

BASE M/E: 153
RIC: 103039.

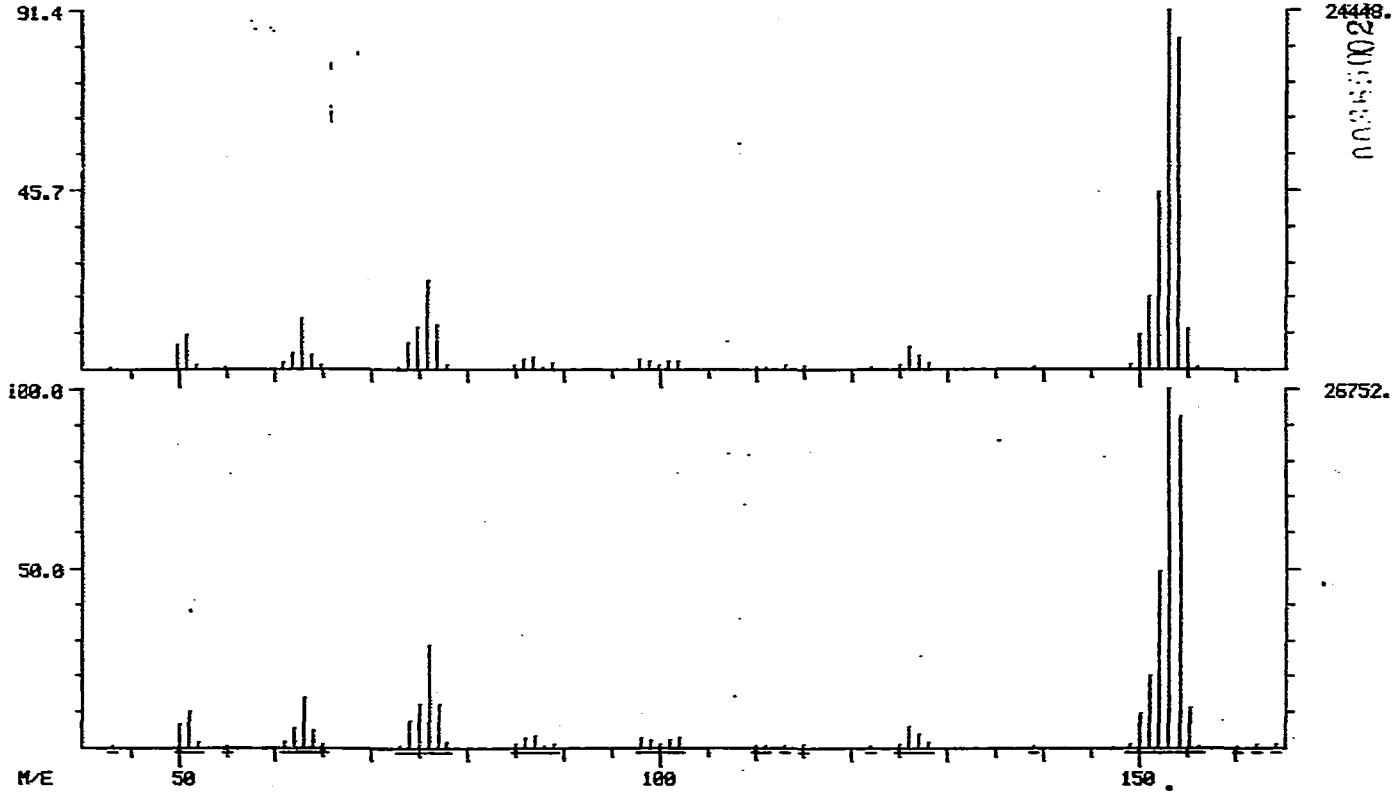


401

MEAD COMPUCHEM

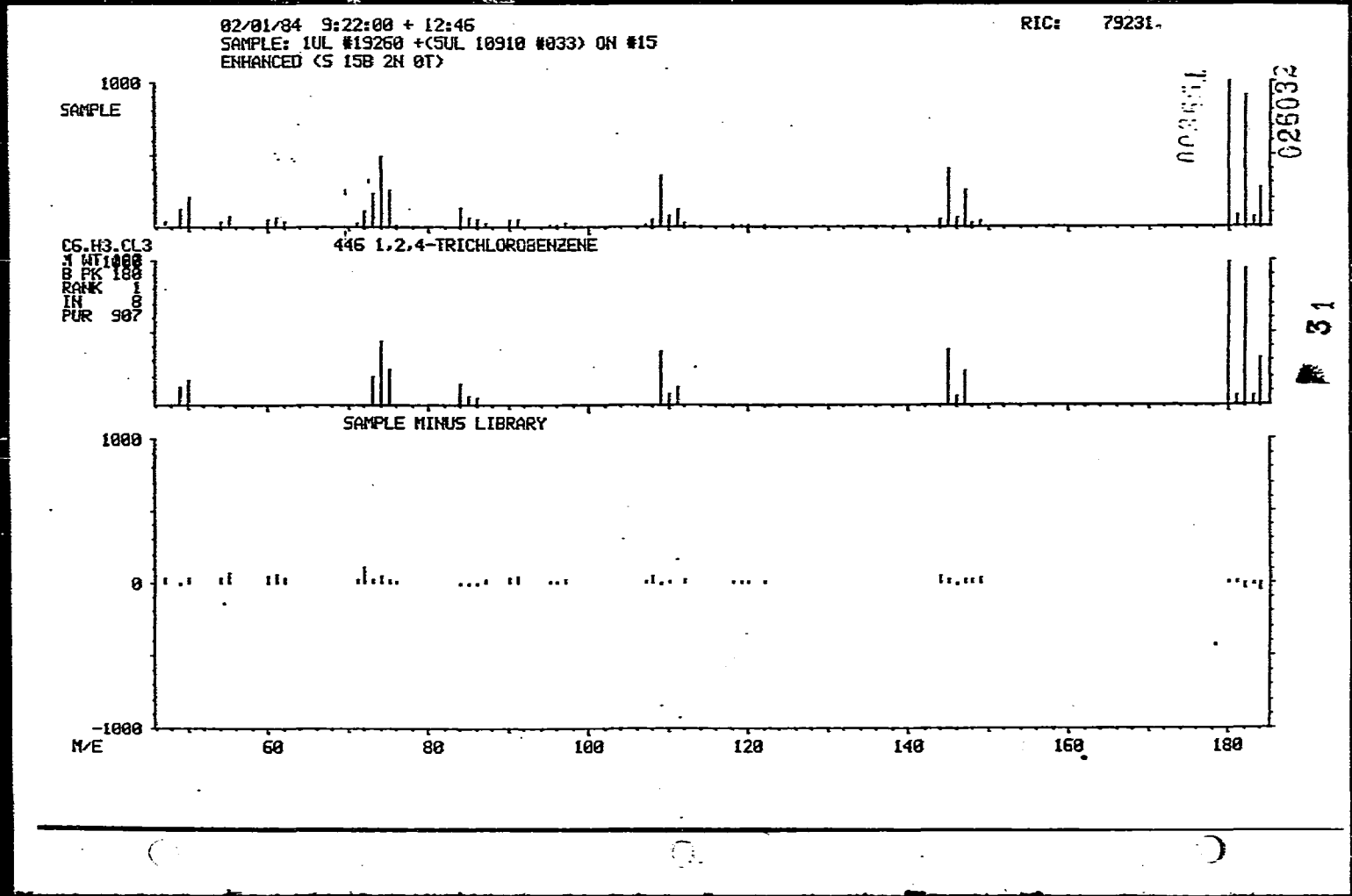
DUAL MASS SPECTRUM
02/01/84 9:22:00 + 16:49
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N)

DATA: GH019260A15 #1345 BASE M/E: 153/ 153
RIC: 103423./ 116607.



00355002031

R1

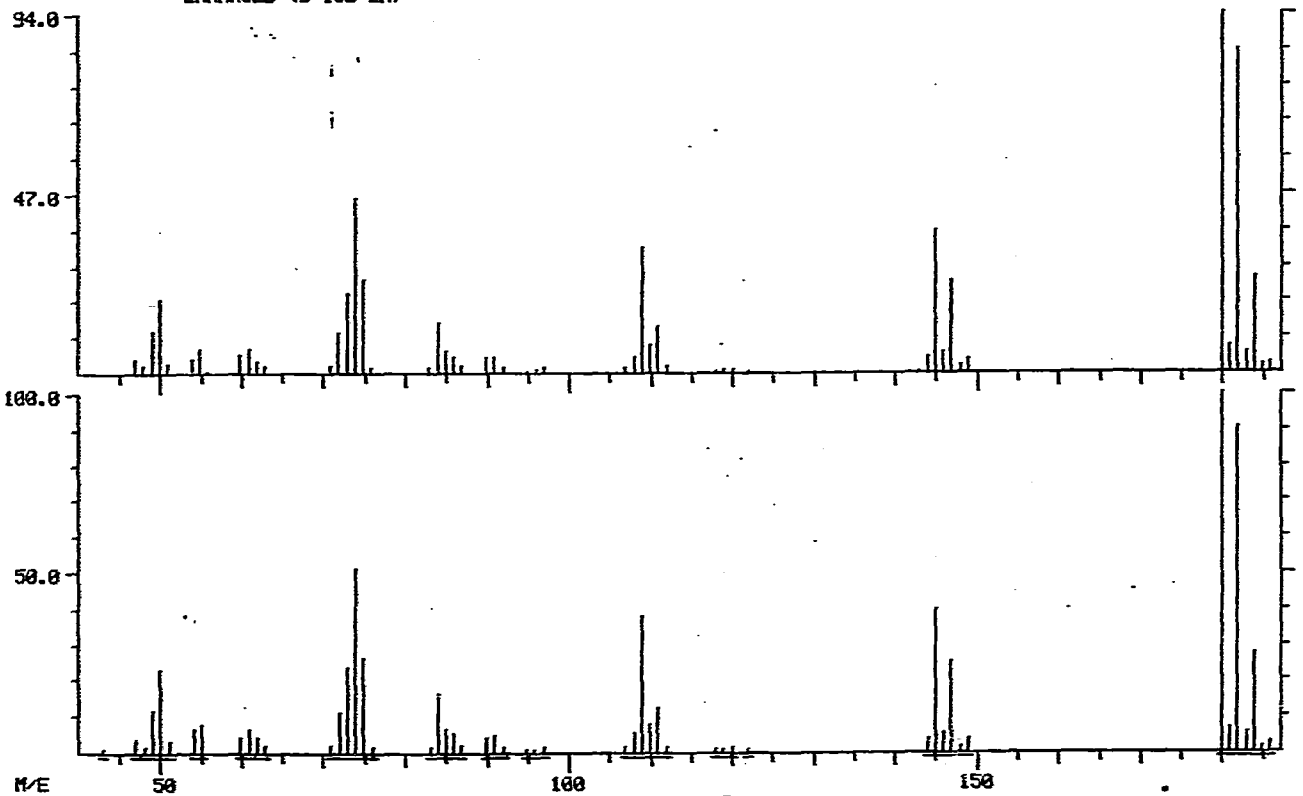

02/01/84 9:22:00 + 12:46
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N 0T)
RIC: 79231.
1000
SAMPLE
C6.H3.CL3
1 WT1000
B PK 188
RANK 1
IN 8
PUR 907
446 1,2,4-TRICHLOROBENZENE
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
60
80
100
120
140
160
180

446

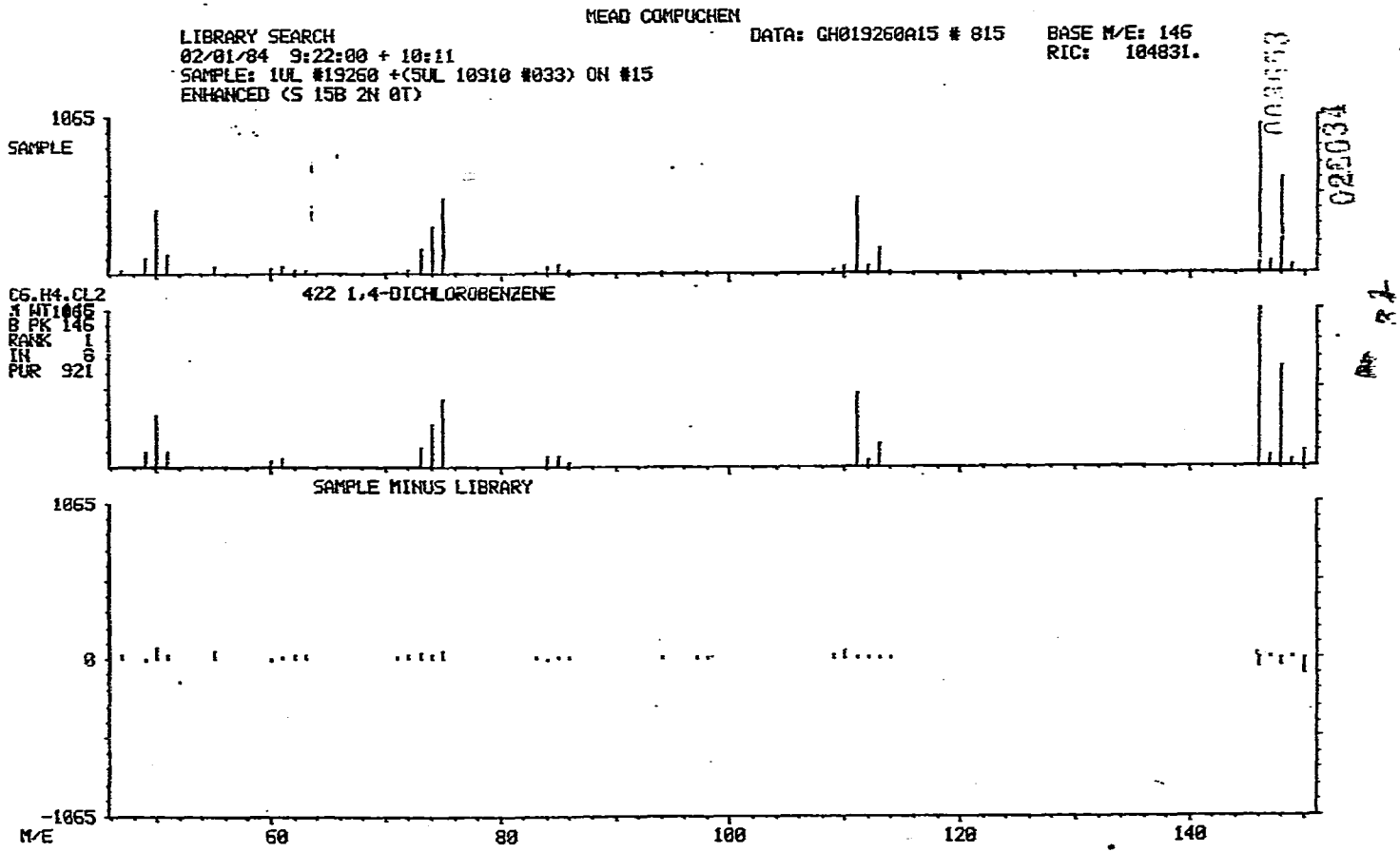
MEAD COMPUCHEM

DUAL MASS SPECTRUM
02/01/84 9:22:00 + 12:46
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N)

DATA: GH019260A15 #1021 BASE M/E: 180/ 180
RIC: 81407./ 89087.



026033

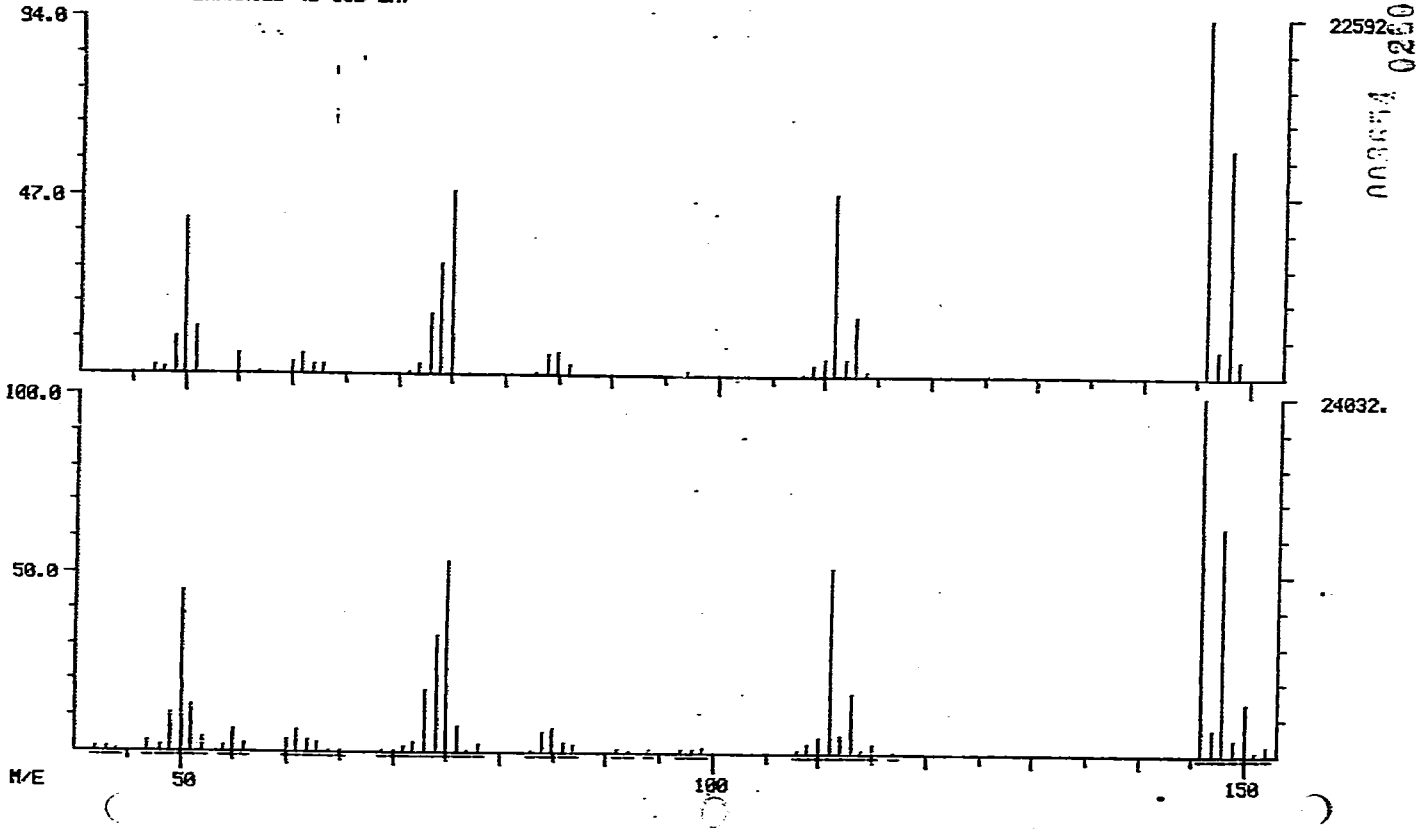

MEAD COMPUCHEM
LIBRARY SEARCH
02/01/84 9:22:00 + 10:11
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N 0T)
DATA: GH019260A15 # 815
BASE M/E: 146
RIC: 104831.
1065
SAMPLE
C6.H4.CL2
422 1,4-DICHLOROBENZENE
1 WT1065
B PK 146
RANK 1
IN 6
PUR 921
SAMPLE MINUS LIBRARY
1065
0
-1065
M/E
60
80
100
120
140

MEAD COMPUCHEM

422

DUAL MASS SPECTRUM
02/01/84 9:22:00 + 10:11
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N)

DATA: GH019260A15 #815 BASE M/E: 146/ 146
RIC: 105599./ 128127.



025035

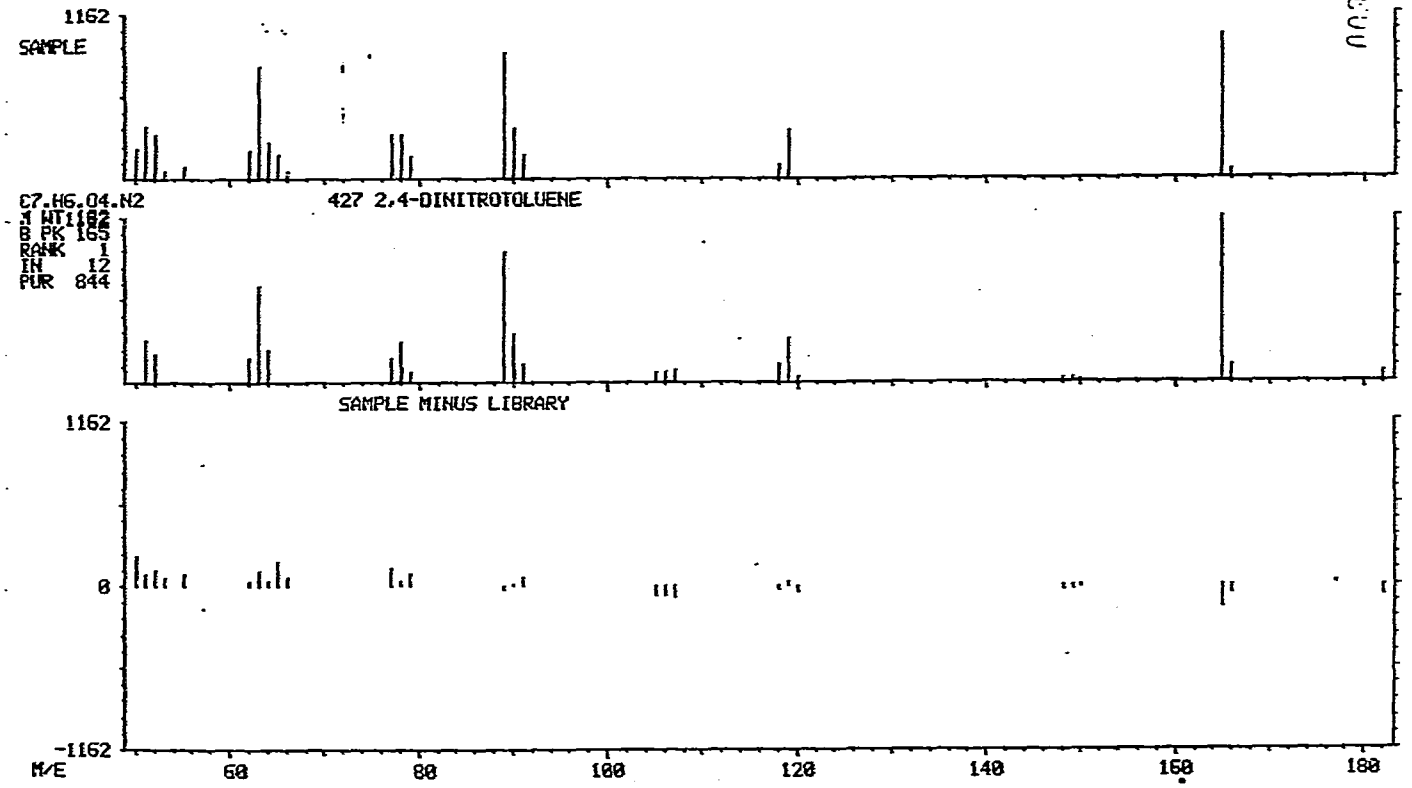
31

MEAD COMPUCHEM

LIBRARY SEARCH
02/01/84 9:22:00 + 17:20
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N 0T)

DATA: GH019260A15 #1387

BASE M/E: 165
RIC: 7487.

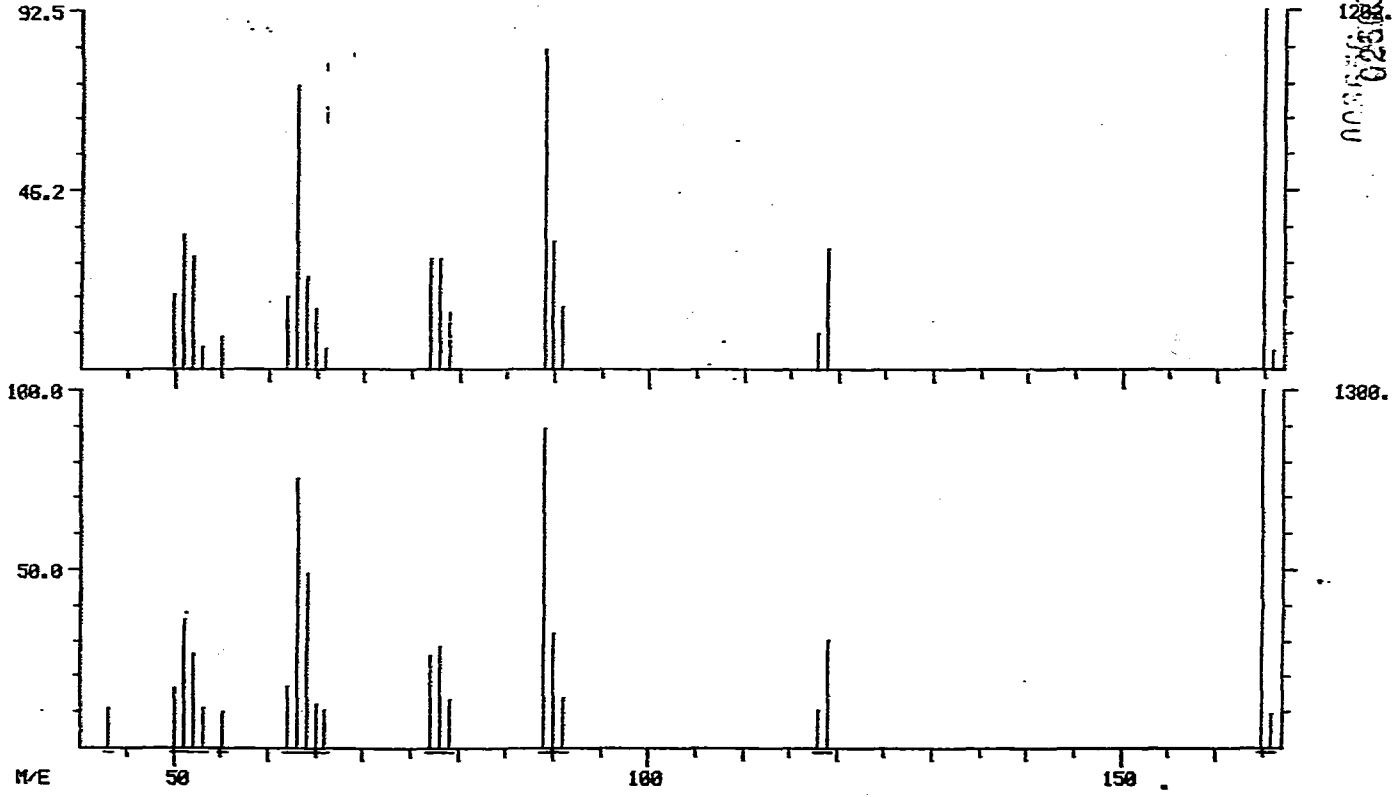


MEAD COMPUCHEM

#27

DUAL MASS SPECTRUM
02/01/84 9:22:00 + 17:20
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2H)

DATA: GH019260A15 #1387 BASE M/E: 165/ 165
RIC: 7487./ 8207.

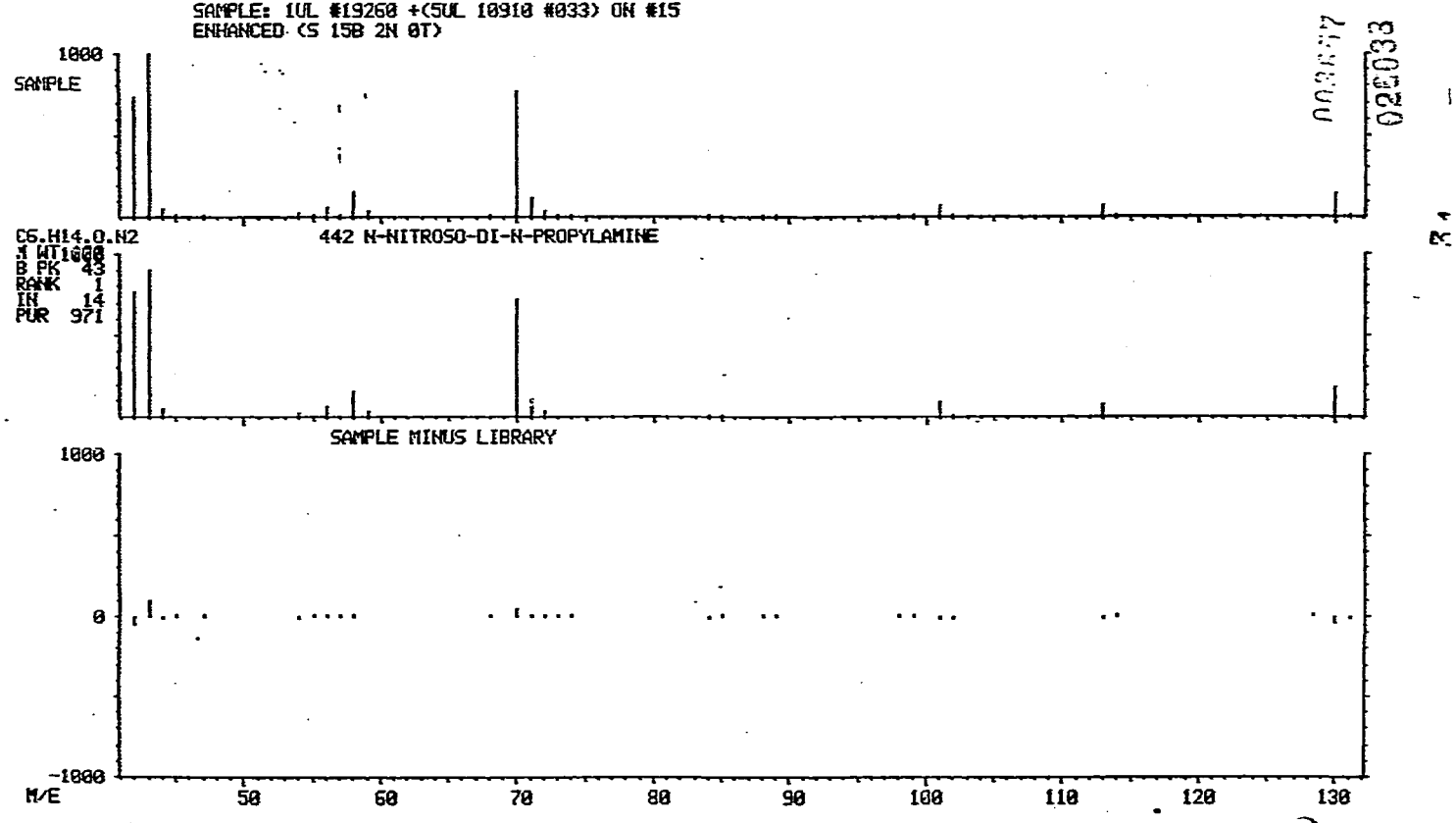


MEAD COMPUCHEM

LIBRARY SEARCH
02/01/84 9:22:00 + 11:08
SAMPLE: 1UL #19260 +(5UL 10310 #033) ON #15
ENHANCED (S 15B 2N 0T)

DATA: GH019260A15 # 891

BASE M/E: 43
RIC: 284159.

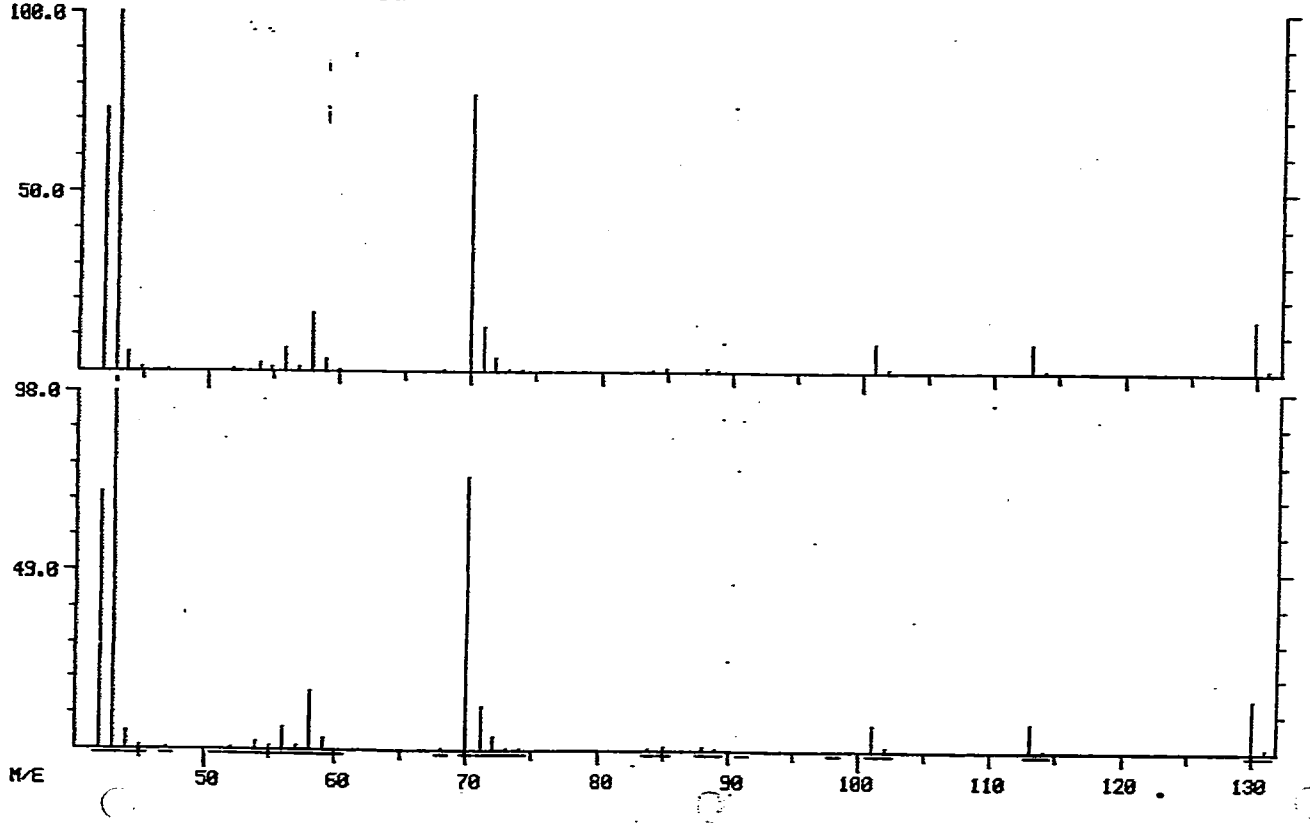


MEAD COMPUCHEM

#42

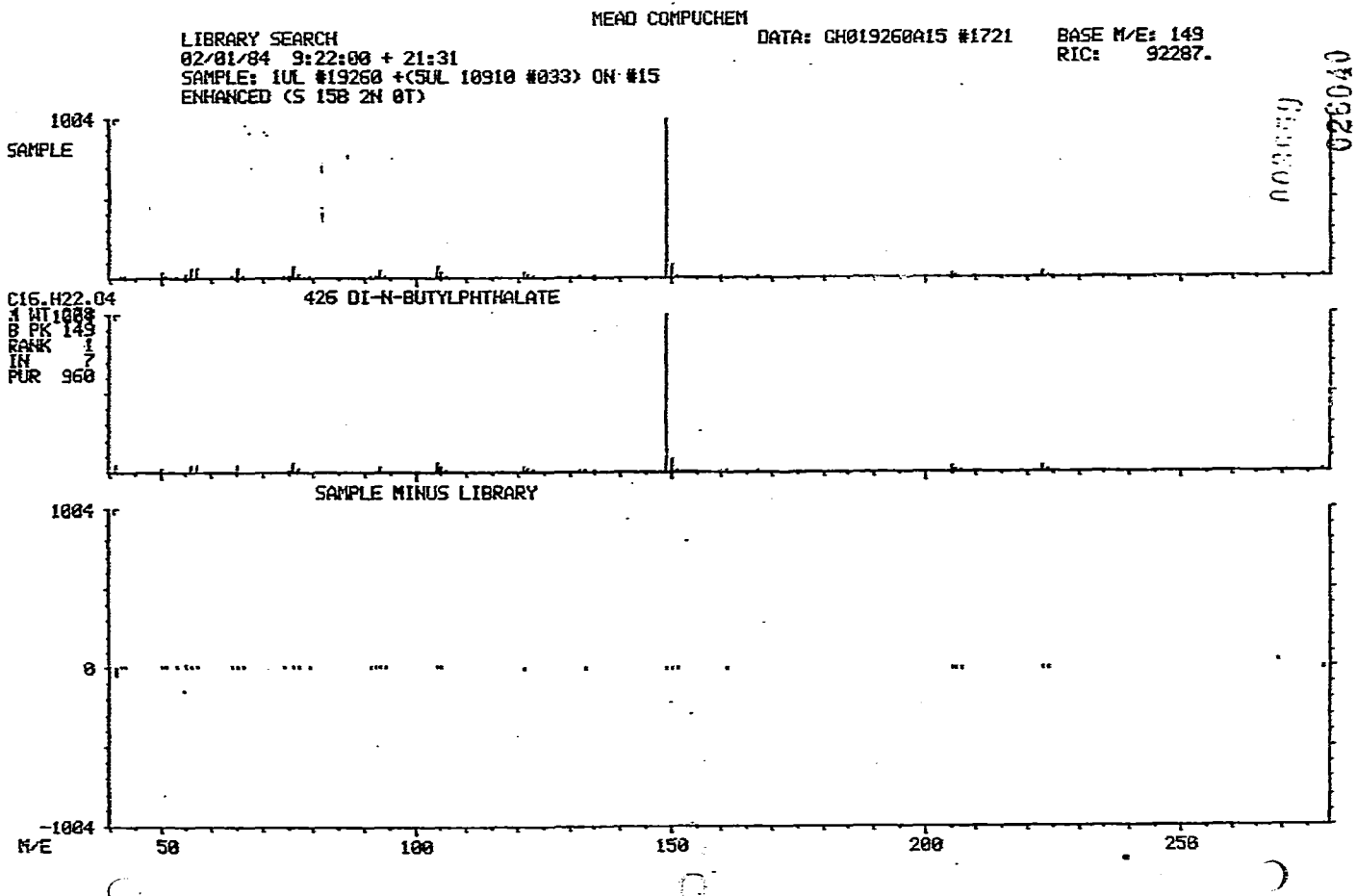
DUAL MASS SPECTRUM
02/01/84 9:22:00 + 11:08
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N)

DATA: GH019260A15 #891 BASE M/E: 43/ 43
RIC: 285695./ 279039.



026033

31

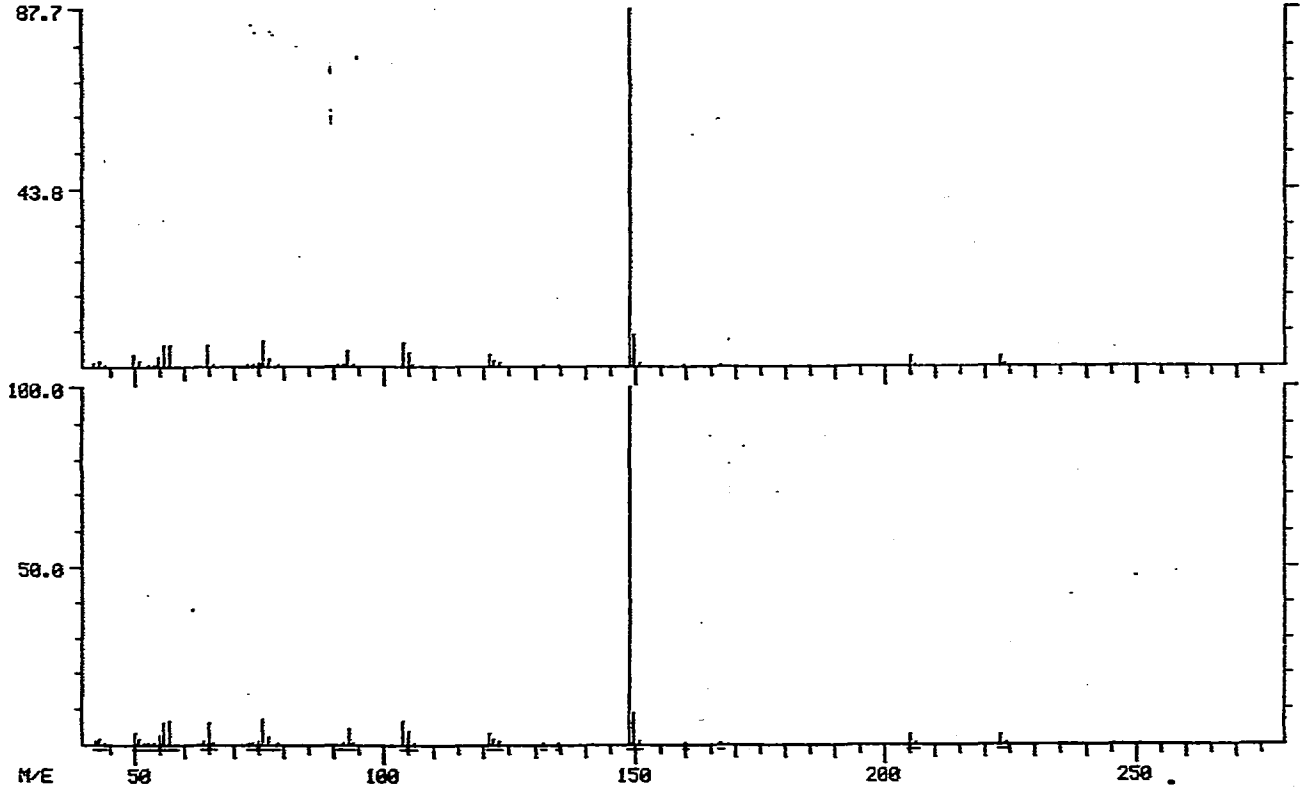

MEAD COMPUCHEM
LIBRARY SEARCH
02/01/84 9:22:00 + 21:31
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N 0T)
DATA: GH019260A15 #1721
BASE M/E: 149
RIC: 92287.
026040
1004
SAMPLE
C16.H22.04
426 DI-N-BUTYLPHTHALATE
A WT1008
B PK 149
RANK 1
IN 7
PUR 960
SAMPLE MINUS LIBRARY
1004
0
-1004
M/E
50
100
150
200
250

426

MEAD COMPUCHEM

DUAL MASS SPECTRUM
02/01/84 9:22:00 + 21:31
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N)

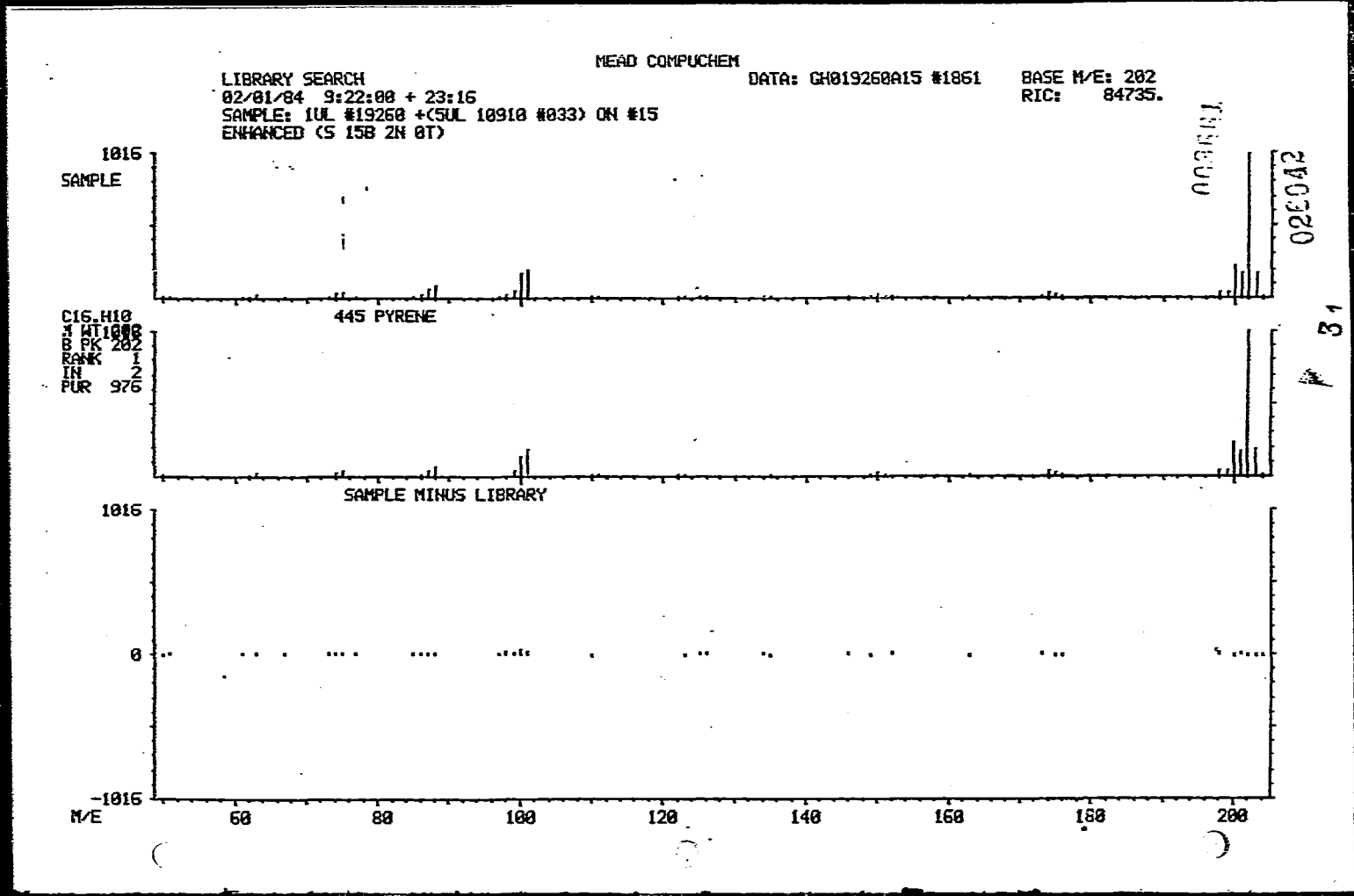
DATA: GH019260A15 #1721 BASE M/E: 149/ 149
RIC: 93567./ 106623.

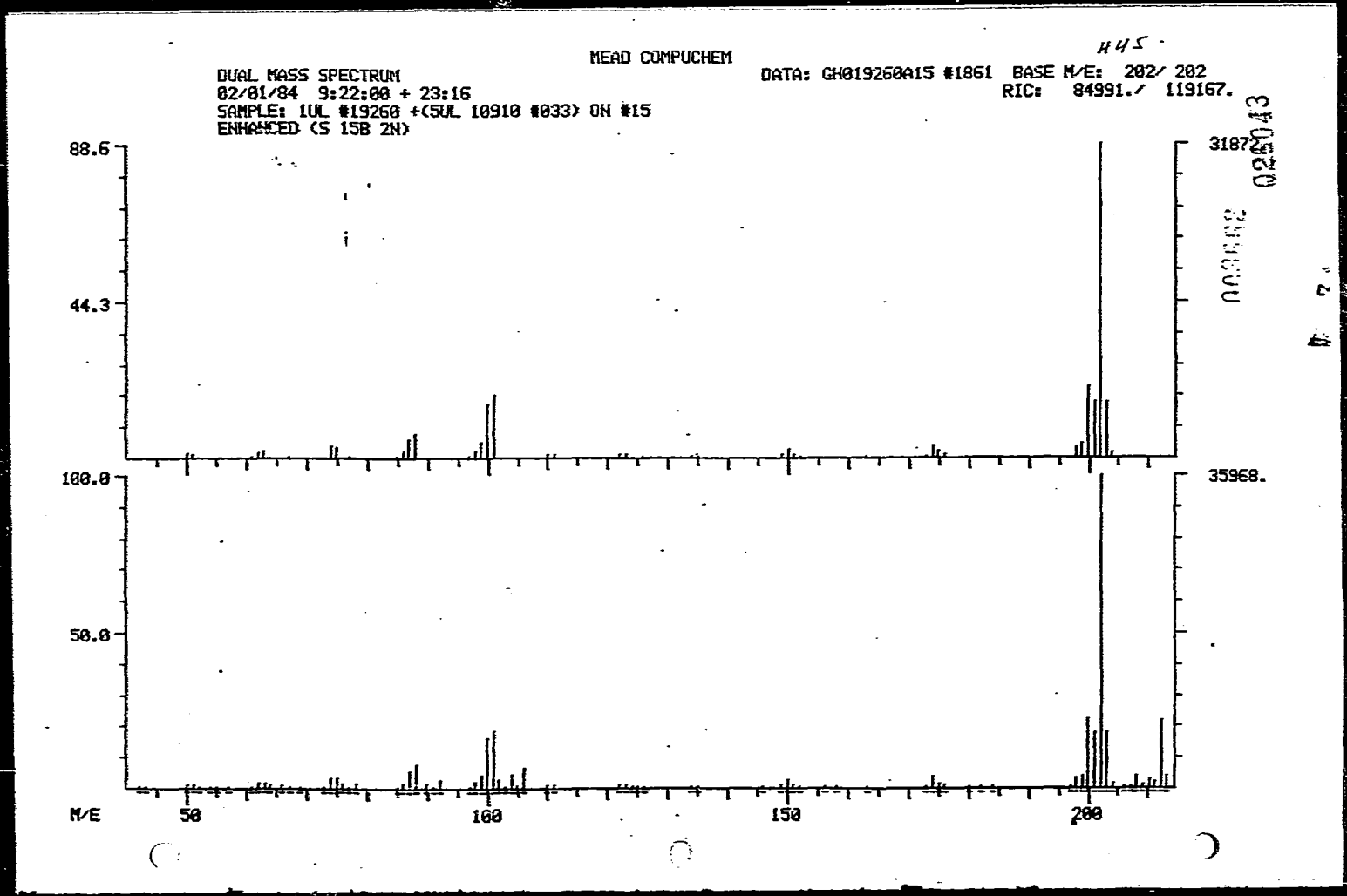


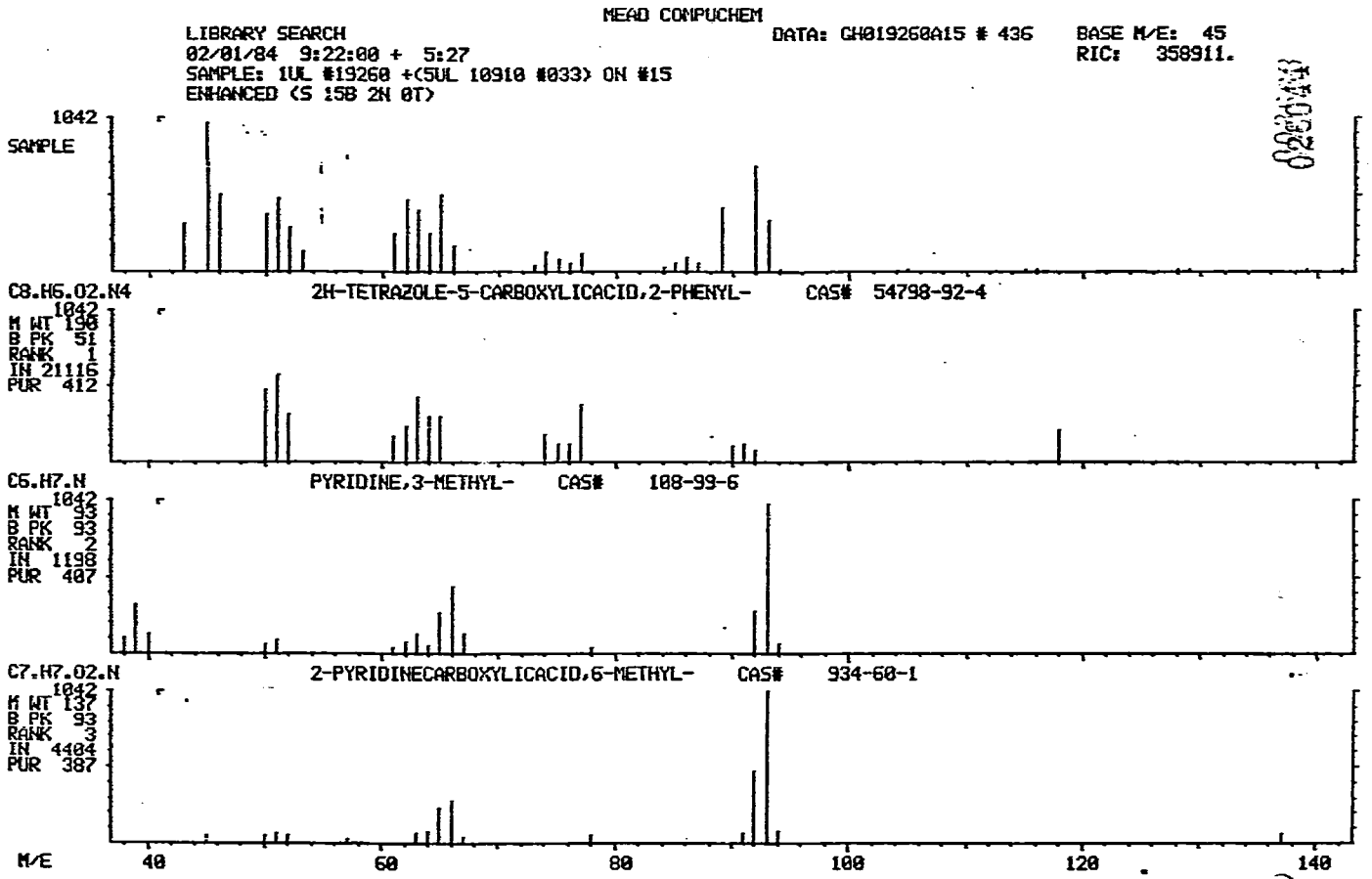
003660 02/04/41

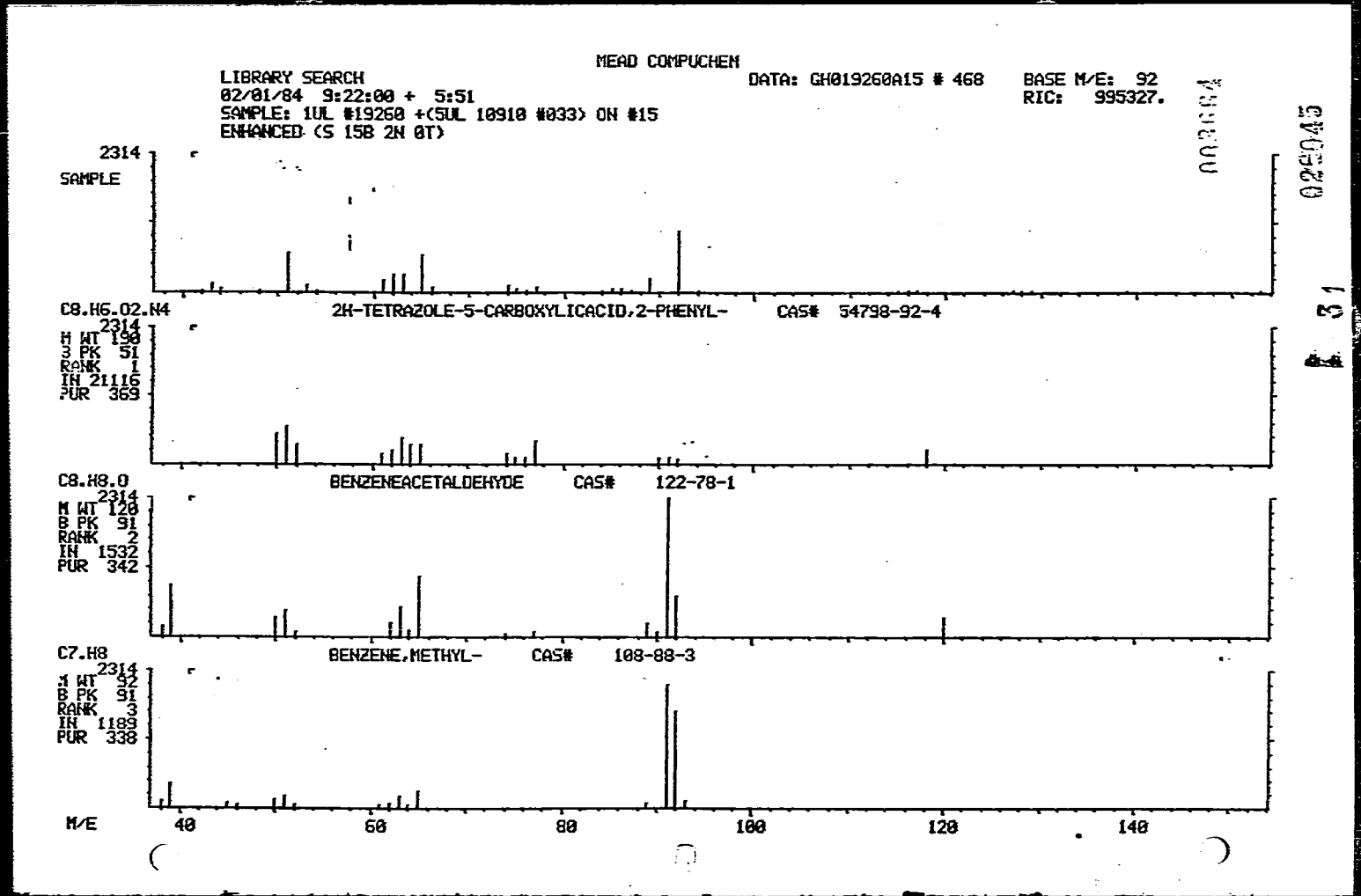
3.1

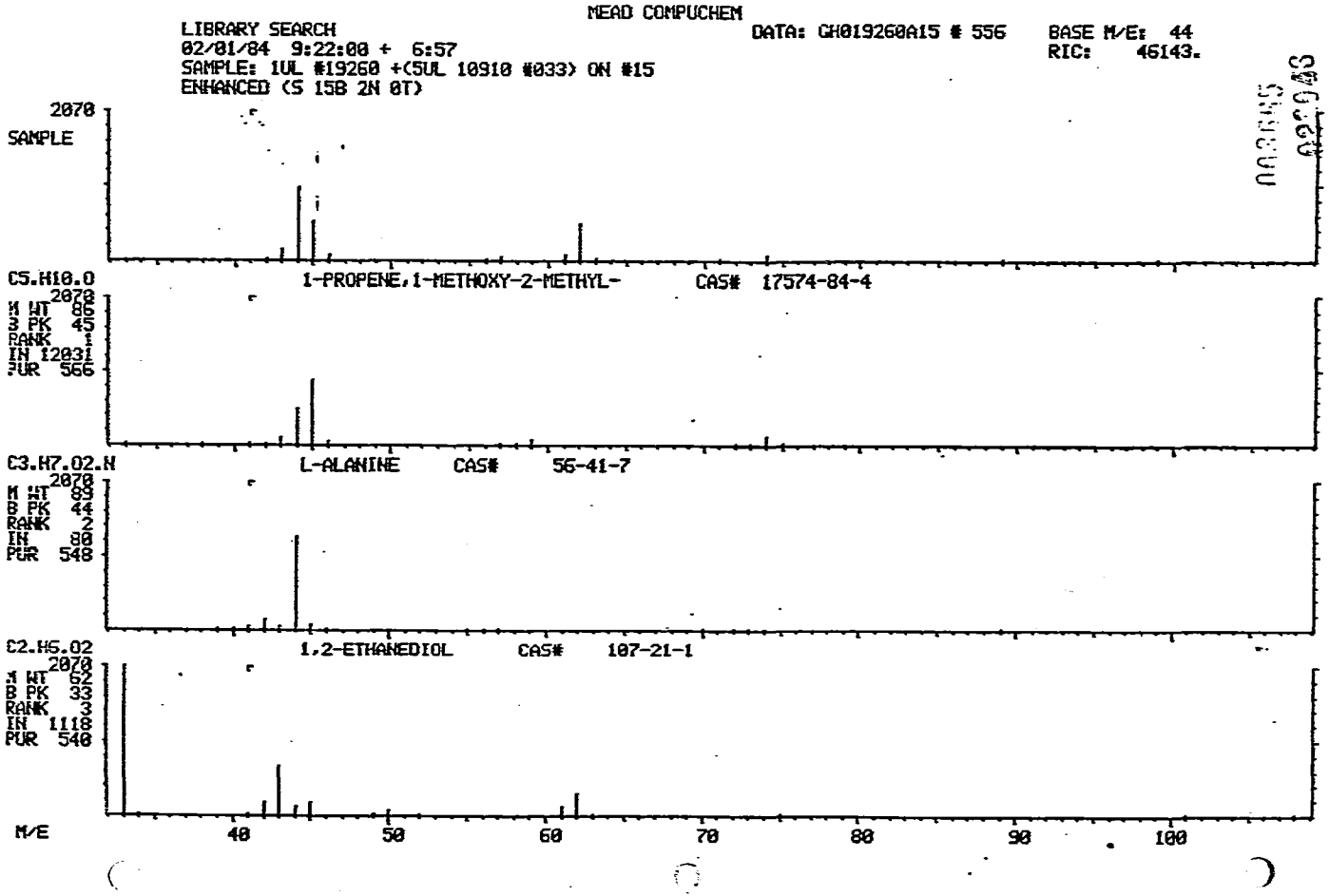
4


MEAD COMPUCHEM
LIBRARY SEARCH
02/01/84 9:22:00 + 23:16
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N 0T)
DATA: GH019260A15 #1861
BASE M/E: 202
RIC: 84735.
1016
SAMPLE
445 PYRENE
C16.H10
1 WT1000
B PK 202
RANK 1
IN 2
PUR 976
SAMPLE MINUS LIBRARY
1016
0
-1016
M/E
60
80
100
120
140
160
180
200


MEAD COMPUCHEM
DUAL MASS SPECTRUM
02/01/84 9:22:00 + 23:16
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N)
DATA: GH019260A15 #1861 BASE M/E: 202/ 202
RIC: 84991./ 119167.
88.6
44.3
100.0
50.0
M/E
50
100
150
200
3187.
35968.


MEAD COMPUCHEM
LIBRARY SEARCH
02/01/84 9:22:00 + 5:27
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N 0T)
DATA: GH019260A15 # 436
BASE M/E: 45
RIC: 358911.
SAMPLE
C8.H6.02.N4
2H-TETRAZOLE-5-CARBOXYLICACID,2-PHENYL-
CAS# 54798-92-4
M WT 190
B PK 51
RANK 1
IN 21116
PUR 412
C6.H7.N
PYRIDINE,3-METHYL-
CAS# 108-99-6
M WT 93
B PK 93
RANK 2
IN 1198
PUR 407
C7.H7.02.N
2-PYRIDINECARBOXYLICACID,6-METHYL-
CAS# 934-60-1
M WT 137
B PK 93
RANK 3
IN 4404
PUR 387
M/E
40
60
80
100
120
140


MEAD COMPUCHEM
LIBRARY SEARCH
02/01/84 9:22:00 + 5:51
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N 0T)
DATA: GH019260A15 # 468
BASE M/E: 92
RIC: 995327.
2314
SAMPLE
C8.H6.O2.N4
2H-TETRAZOLE-5-CARBOXYLICACID,2-PHENYL-
CAS# 54798-92-4
2314
M WT 190
B PK 51
RANK 1
IN 21116
PUR 369
C8.H8.O
BENZENEACETALDEHYDE
CAS# 122-78-1
2314
M WT 120
B PK 91
RANK 2
IN 1532
PUR 342
C7.H8
BENZENE,METHYL-
CAS# 108-88-3
2314
M WT 92
B PK 91
RANK 3
IN 1189
PUR 338
M/E
40
60
80
100
120
140


MEAD COMPUCHEM
LIBRARY SEARCH
02/01/84 9:22:00 + 6:57
SAMPLE: 1UL #19260 +(5UL 10910 #033) ON #15
ENHANCED (S 15B 2N 0T)
DATA: GH019260A15 # 556
BASE M/E: 44
RIC: 46143.
2070
SAMPLE
C5.H10.0
1-PROPENE,1-METHOXY-2-METHYL-
CAS# 17574-84-4
2070
M WT 86
B PK 45
RANK 1
IN 12031
PUR 566
C3.H7.02.N
L-ALANINE
CAS# 56-41-7
2070
M WT 89
B PK 44
RANK 2
IN 80
PUR 548
C2.H6.02
1,2-ETHANEDIOL
CAS# 107-21-1
2070
M WT 62
B PK 33
RANK 3
IN 1118
PUR 540
M/E
40
50
60
70
80
90
100

P.O. Box 818, Alexandria, VA 22313 • 703/557-2490

Sample Number

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Mead CompuChem
Lab Sample ID No.: 1926
Sample Matrix: Solid
Date Release Authorized By:

Case Number: 2333
QC Report No.: 175/266 Duplicate Spike
Contract No.: 68-01-6762
Date Sample Received:

Associated samples: 19257
19264 – 19270

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 1-25-84
DATE ANALYZED: 2-3-84
PERCENT MOISTURE:

Multiply Detection limits by 1 ☐ or 10 ☐ or ☒ 40
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or (ug/kg) (circle one)
(21A)	88-06-2	2,4,6-trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	1100 ~~200~~
(24A)	95-57-8	2-chlorophenol	1500 ~~100~~
(31A)	122-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-28-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-86-5	pentachlorophenol	880 ~~200~~
(65A)	108-95-2	phenol	1300 ~~100~~
	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	10U
	108-39-4	4-methylphenol	10U
	95-95-4	2,4,5-trichlorophenol	100U
(1B)	83-32-9	acenaphthene	1800 ~~400~~
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	1700 ~~100~~
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	1800 ~~100~~
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	111-91-1	bis-(2-chloroethoxy)methane	20U

PP#	CAS#		ug/l or (ug/kg) (circle one)
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	9000 ~~200~~
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	2000 ~~100~~
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	218-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	191-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	2100 ~~100~~
	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U

00256 July, 1983

SEMI-VOLATILE LOW SOLID

ORGANICS ANALYSIS DATA SHEET - Page 3

Lab Name: Mead CompuChem

Lab Sample I.D. No: 19261 ☐ SS ☒ DS ☐ Blank

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/kg)	(Surrogates only) Spike Added (ug/kg)	(Surrogates only) % Recovery
2-Fluorophenol	SEMIVOA	3900	5000	78
2,4,6-Tribromophenol	SEMIVOA	3500	5000	70
D-Phenol	SEMIVOA	2750	5000	55
D5-Nitrobenzene	SEMIVOA	1100	5000	22
D_{14} P-Terphenyl	SEMIVOA	5200	5000	104
2-Fluorobiphenyl	SEMIVOA	4500	5000	90

028043

003668

CONFIDENTIAL ORGANICS ANALYSIS DATA SHEET

JATA FILENAME: GJ019261A14

LIBRARY SEARCH RESULTS OF EXTRANEOUS PEAKS &
ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: FSCC7

SAMPLE # _____

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	% PURITY	ASSESSMENT* RS	OI	UK	ESTIMATED CONC. (UG/KG) OR (UG/L)
1	414	108-88-3	BENZENE,METHYL-	42.0	☐	☐	☑	730000.
2	528	56-41-7	L-ALANINE	50.3	☐	☐	☑	1200.
	52.000	40.00						

SPECTROSCOPIST ___xc___

DATE ___4/7/84___

023050

00366

31

(*) RS - REASONABLE IDENTIFICATION, RETENTION TIME COMPATIBILITY
OI - OR ISOMER
UK - UNKNOWN: LIBRARY SEARCH RESULT UNREASONABLE OR OF VERY LOW PURITY

COMPOUND LIST NO. _____ IDENTIFIER SEMI-VOLATILES --- LOW LEVEL SOLID GJ

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE	x	CORRECTION FACTOR	x	=	RESULTS (ug/kg)	DET. LIMI (ug/kg)	
2	441	N-NITROSODIMETHYLAMINE	40		52				10	
3	610	PHENOL	33					1700	1300 10	
4	473	ANILINE							10	
5	411	BIS(2-CHLOROETHYL)ETHER							10	
6	601	2-CHLOROPHENOL	37					1900	1500 10	
7	421	1,3-DICHLOROBENZENE							10	
8	422	1,4-DICHLOROBENZENE	45					2300	1800 10	
9	474	BENZYL ALCOHOL							20	
10	420	1,2-DICHLOROBENZENE.....							10	
11	620	2-METHYLPHENOL							10	
12	412	BIS(2-CHLOROISOPROPYL)ETHER							20	
13	622	4-METHYLPHENOL							10	
14	442	N-NITROSO-DI-N-PROPYLAMINE .	224					12000	9000 20	
15	436	HEXACHLOROETHANE							10	
16	440	NITROBENZENE							10	
18	438	ISOPHORONE							10	x
19	606	2-NITROPHENOL							20	
20	603	2,4-DIMETHYLPHENOL							10	
21	410	BIS(2-CHLOROETHOXY)METHANE .							20	
22	625	BENZOIC ACID							100	
23	602	2,4-DICHLOROPHENOL							10	
24	446	1,2,4-TRICHLOROBENZENE	43					2300	1700 10	
25	439	NAPHTHALENE							10	
26	475	4-CHLOROANILINE							50	
27	434	HEXACHLOROBUTADIENE							10	
28	608	P-CHLORO-M-CRESOL	28					1500	1100 20	
29	477	2-METHYLNAPTHALENE							20	
30	435	HEXACHLOROCYCLOPENTADIENE ..							10	
31	611	2,4,6-TRICHLOROPHENOL.....							10	
32	626	2,4,5-TRICHLOROPHENOL							100	
34	416	2-CHLORONAPHTHALENE							10	
35	479	3-NITROANILINE							100	
36	425	DIMETHYLPHTHALATE							10	
37	402	ACENAPHTHYLENE							10	
38	428	2,6-DINITROTOLUENE							20	

PLEASE COMPLETE CORRECTION FACTOR CALCULATIONS ON THIRD SHEET OF THE COMPOUND LIST!!!

00367()

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

GJ

COUNTER	COMPOUND NUMBER	COMPOUNDS	QUANT. REPORT VALUE	x	CORRECTION FACTOR	x	RESULTS (ug/kg)	=	DET LIM: (ug/kg)	
39	478	2-NITROANILINE			52				100	
40	401	ACENAPHTHENE	44		40		~~2200~~ 1800		10	
41	605	2,4-DINITROPHENOL							50	
42	607	4-NITROPHENOL	NC						100	
43	476	DIBENZOFURAN							10	
44	427	2,4-DINITROTOLUENE							20	
45	424	DIETHYLPHTHALATE							10	
46	417	4-CHLOROPHENYL PHENYL ETHER							10	
47	432	FLUORENE							10	
48	480	4-NITROANILINE							100	
49	604	4,6-DINITRO-O-CRESOL							20	
50	443	DIPHENYLAMINE (N-NITROSO)							10	
51	430	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)							20	
53	414	4-BROMOPHENYL PHENYL ETHER							10	
54	433	HEXACHLOROBENZENE							10	
55	609	PENTACHLOROPHENOL	22				~~1100~~ 880		20	
56	444	PHENANTHRENE							10	x
57	403	ANTHRACENE							10	
58	426	DI-N-BUTYLPHTHALATE	119				~~2800~~ 2000		10	
59	431	FLUORANTHENE							10	
61	445	PYRENE	52				~~2700~~ 2100		10	
62	404	BENZIDINE							40	
63	415	BUTYLBENZYLPHTHALATE							10	
64	423	3,3'-DICHLOROBENZIDINE							20	
65	405	BENZO(A)ANTHRACENE							10	
66	413	BIS(2-ETHYLHEXYL)PHTHALATE							10	
67	418	CHRYSENE							10	
68	429	DI-N-OCTYLPHTHALATE							10	
70	407	BENZO(B)FLUORANTHENE							20	
71	409	BENZO(K)FLUORANTHENE							20	
72	406	BENZO(A)PYRENE							20	
73	437	INDENO(1,2,3-C,D)PYRENE							20	
74	419	DIBENZO(A,H)ANTHRACENE							20	
75	408	BENZO(G,H,I)PERYLENE							20	

(See calculations and surrogates on back)

026052

COMPOUND LIST NO. _____ COMPUCHEM NO. _____ DATE _____ 3 of

IDENTIFIER SEMI-VOLATILES -- LOW LEVEL SOLID

COMPOUND NUMBER	SURROGATE COMPOUNDS		QUANT. REPORT VALUE	QUANT. REPORT AMOUNT SPIKED		% †† RECOVERY	ACCEPTABLE RANGE
619	2-FLUOROPHENOL	97	94	125 ÷ 1 †		75	(26-116)
612	D_5-PHENOL	69	66	125 ÷		53	(10-104)
447	D_5-NITROBENZENE	27	Mtx	125 ÷		315	(19-115)
448	2-FLUOROBIPHENYL	112	75	125 ÷		60	(17-125)
628	TRIBROMOPHENOL	87	73	125 ÷		58	(32-124)*
471	D_{10}-PYRENE	127	73	125 ÷		58	(NA)
496	D_{14}-TERPHENYL	130	78	125 ÷		62	(34-126)*

†† % Recovery = $\frac{\text{Quant. Report Value}}{\text{Quant. Report Amount Spiked}} \times 100\%$

CORRECTION FACTOR CALCULATION:

$$\frac{\text{Final extraction volume(ml)}}{\text{1ml for Acid, 0.5ml for BN}} \times \frac{50\text{ g}}{\text{Wet Weight Extracted (g)}} \times \text{Dilution Factor} \times \text{Dry Weight Factor} \times 40 =$$

$$\frac{1.0 \quad 0.5\ \text{(ml)}}{\text{1.0 and 0.5 ml}} \times \frac{50\text{ g}}{50\ \text{(g)}} \times \_\_\_\_ \times 1.3 \times 40 = \boxed{52^*}$$

QUANT. REPORT AMOUNT SPIKED CONVERSION FACTOR:

$$\frac{250\text{ ul}}{\text{Amount Surrogate Added (ul)}} \times \frac{\text{Final Extract Vol. (ml)}}{\text{1ml for Acid, 0.5ml for BN}} \times \text{Dilution Factor} =$$

$$\frac{250\text{ ul}}{250\ \text{(ul)}} \times \frac{1.0 \quad 0.5\ \text{(ml)}}{\text{1.0 and 0.5ml}} \times \_\_\_\_ = \boxed{1\ ^\dagger}$$

*For Advisory Purposes Only

020053
JRT 11/83
003672

EXTRACTION WORKSHEET
Semi-Volatiles/Miscellaneous

DATE ASSIGNED 1-25-84

ASSIGNED TO: Ed

PAGE ____ OF ____

SAMPLE NUMBER	PREP CODE	CASE #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) B/N	ACID	PEST	TCDD	ADJUSTED PH B/N	A	DATE COMPT	COMMENTS
19260 / 19262	128 / 112	2333	SS	19269	50.18	.5	1	5	5	13	1	1-25-84	
19261 / 19263	128 / 112	2333	SS	19269	50.24	.5	1	5	5	13			
19257	128	2333			50.50	.5	1	5	5	13	1		
19264	128	2333			25.04	.5	1	5	5	13	1		Low sample volume
19265	128	2333			50.59	.5	1	5	5	13	1		
19266	128	2333			50.42	.5	1	5	5	13	1		
19267	128	2333			50.00ml	.5	1	5	5	13	1		
19268	128	2333			50.35	.5	1	5	5	13	1		
19269	128	2333			50.08	.5	1	5	5	13	1		
19317			B		50.00ml	.5	1	5	5	13	1		

		S-Vol	Acid	B/N	Pest.	TCDD	Other
SURROGATE	NO.	382			368	364	
	AMT.	2504			2504	2004	
	LOT	10831			10802	10403	
SPIKE	NO.		3008	2018	4014		
	AMT.		1ml	1ml	1ml		
	LOT		10873	10870	10890		
INTERNAL STANDARD	NO.						
	AMT.						
	LOT						

MANUAL COUNTER 136/338

№ 3140

m13
1-26

(1)

MEAD COMPUCHEM

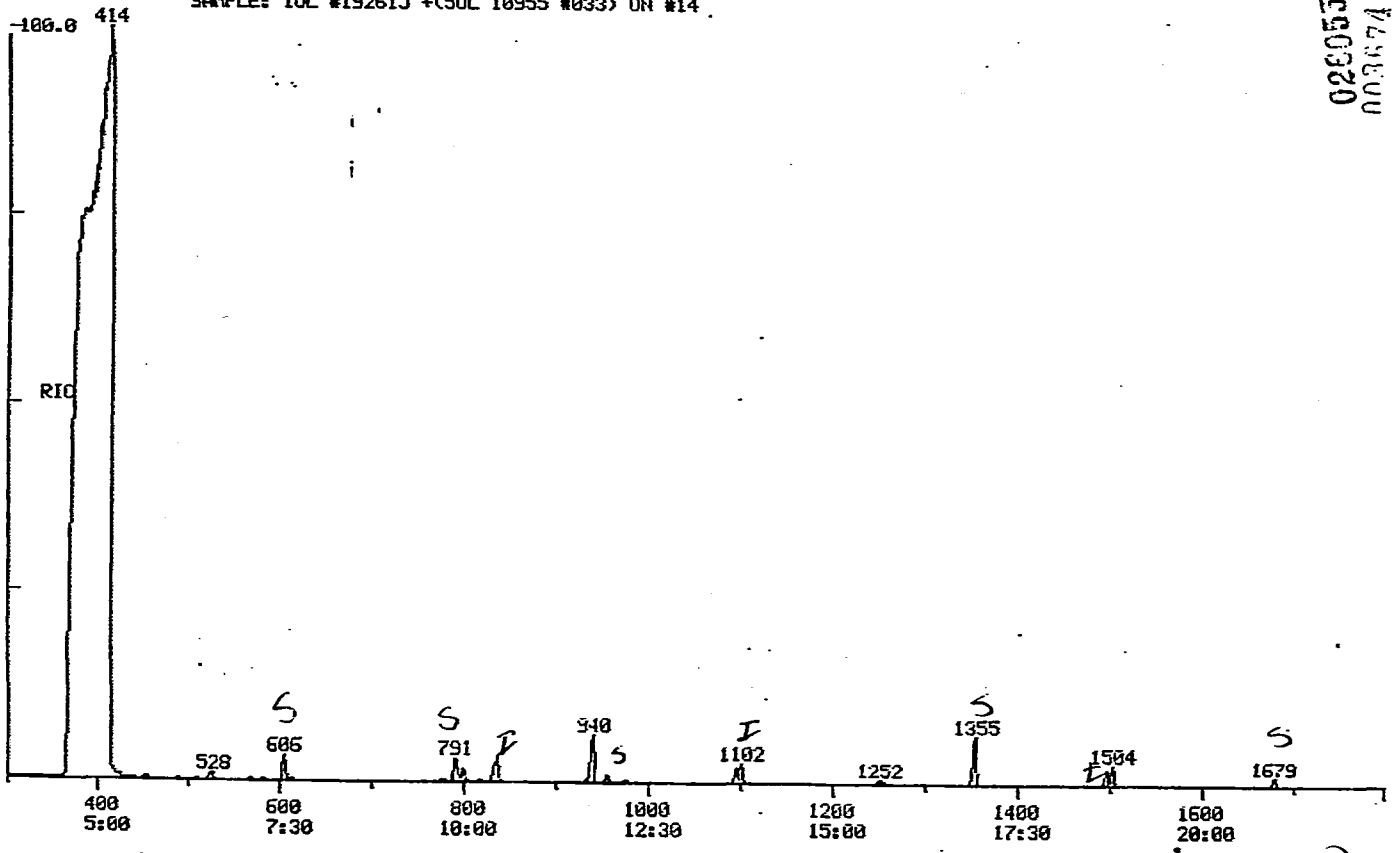
RIC

02/03/84 9:13:00

COMPUCHEM DATA: GJ019261A14 SCANS 300 TO 1800

OUT OF 300 TO 3200

SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14



029053

00367A

31

MEAD COMPUCHEM

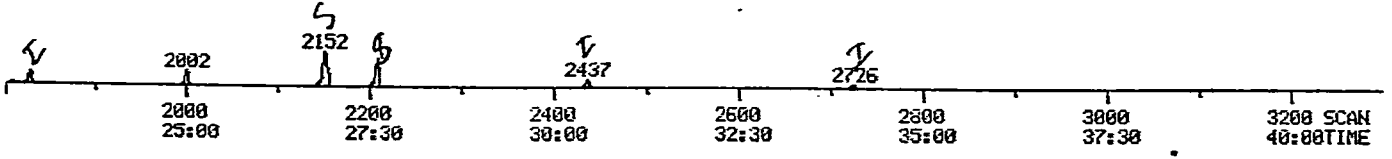
RIC

02/03/84 9:13:00

SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14

COMPUCHEM DATA: GJ019261A14 SCANS 1800 TO 3200
OUT OF 300 TO 3200

1689590



PROCEDURE: RK DIAGNOSTIC REPORT 2/03/84 10:2E
DATA FILE: GJ019261A14
REFERENCE: FSCC7
METHOD: FSCC7 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: FSCC7S1

STANDARDS PROC	STANDARDS USED	STANDARDS POSS	STANDARDS RMS	PLUS UNKNOWNS PROC	PLUS UNKNOWNS USED	PLUS UNKNOWNS POSS	PLUS UNKNOWNS RMS	LIST NAMES - STANDARD/UNKNOWN
6	6	1	57	54	13	1	84	FSCC7S1/FSCC7U1
6	6	1	57	34	14	1	84	FSCC7S2/FSCC7U2

82 COMPOUNDS PROCESSED, 21 FOUND

COMPOUND NO	LIB	ENTRY	SEARCH REF	SEARCH PRED	SAT SEL	SAT DELTA	SAT PEAKS	CHRO FIT	CHRO PEAKS	CHRO M/E	CHRO TOP	CHRO DELTA	CHRO PE
1	C1	1	-830	833	833	.	1	976	.	150	833	.	
2	C2	1	-1098	1101	1102	1	1	973	.	136	1102	.	
3	C3	1	-1494	1497	1497	.	1	978	.	164	1497	.	
4	C4	1	-1826	1829	1829	.	1	945	.	188	1829	.	
5	C5	1	-2434	2437	2437	.	1	813	.	240	2437	.	
6	C6	1	-2722	2725	2726	1	1	892	.	264	2725	-1	
7	C1	2	-331	335	.	.	.	.	.	74	.	.	
8	C1	3	-789	793	793	.	1	954	.	94	793	.	
9	C1	4	-778	782	.	.	.	.	.	93	.	.	
10	C1	5	-796	800	.	.	.	.	.	93	800	.	
11	C1	6	-796	800	800	.	1	986	.	128	800	.	
12	C1	7	-821	825	.	.	.	.	.	146	.	.	
13	C1	8	-833	837	837	.	1	995	.	146	836	-1	
14	C1	9	-873	877	.	.	.	.	.	108	.	.	
15	C1	10	-870	874	.	.	.	.	.	146	.	.	
16	C1	11	-906	910	.	.	.	.	.	108	.	.	
17	C1	12	-907	911	.	.	.	.	.	121	.	.	
18	C1	13	-938	942	.	.	.	.	.	108	.	.	
19	C1	14	-936	940	940	.	1	998	.	130	940	.	
20	C1	15	-931	935	.	.	.	.	.	117	.	.	
21	C1	16	-956	960	.	.	.	.	.	123	.	.	
22	C2	2	-1009	1013	.	.	.	.	.	82	1011	.	
23	C2	3	-1025	1029	.	.	.	.	.	139	.	.	
24	C2	4	-1048	1052	.	.	.	.	.	122	.	.	
25	C2	5	-1068	1072	.	.	.	.	.	93	.	.	
26	C2	6	-1102	1106	.	.	.	.	.	105	.	.	
27	C2	7	-1077	1081	.	.	.	.	.	162	.	.	
28	C2	8	-1092	1096	1096	.	1	992	.	180	1096	.	
29	C2	9	-1102	1106	.	.	.	.	.	128	1105	.	
30	C2	10	-1131	1135	.	.	.	.	.	127	.	.	
31	C2	11	-1149	1153	.	.	.	.	.	225	.	.	
32	C2	12	-1246	1250	1252	2	1	975	.	107	1252	.	
33	C2	13	-1257	1261	.	.	.	.	.	115	.	.	
34	C2	14	-1311	1315	.	.	.	.	.	237	.	.	
35	C2	15	-1332	1336	.	.	.	.	.	196	.	.	
36	C2	16	-1340	1344	.	.	.	.	.	196	.	.	
37	C3	2	-1364	1368	.	.	.	.	.	162	.	.	
38	C3	3	-1406	1410	.	.	.	.	.	138	.	.	
39	C3	4	-1461	1465	.	.	.	.	.	163	1464	.	
40	C3	5	-1457	1461	.	.	.	.	.	152	1461	.	
41	C3	6	-1473	1477	.	.	.	.	.	165	.	.	
42	C3	7	-1498	1502	.	.	.	.	.	138	.	.	
43	C3	8	-1501	1505	1504	-1	1	977	.	154	1504	.	
44	C3	9	-1524	1528	.	.	.	.	.	184	.	.	
45	C3	10	-1554	1558	.	.	.	.	.	109	1557	.	
46	C3	11	-1538	1542	.	.	.	.	.	168	.	.	
47	C3	12	-1559	1563	.	.	.	.	.	165	.	.	
48	C3	13	-1625	1629	.	.	.	.	.	149	1627	.	
49	C3	14	-1625	1629	.	.	.	.	.	204	.	.	

52	C3	17	-1649	1653	.	.	.	.	198	.	.
53	C3	18	-1657	1661	.	.	.	.	169	.	.
54	C3	19	-1660	1664	.	.	.	.	77	.	.
55	C4	2	-1734	1738	.	.	.	.	248	.	.
56	C4	3	-1758	1762	.	.	.	.	284	.	.
57	C4	4	-1804	1808	.	.	.	.	266	1808	.
58	C4	5	-1831	1835	.	.	.	.	178	1834	.
59	C4	6	-1841	1845	.	.	.	.	178	1843	.
60	C4	7	-1999	2002	2002	.	1	959	149	2002	.
61	C4	8	-2103	2106	.	.	.	.	202	2106	.
62	C5	2	-2152	2155	.	.	.	.	202	2156	.
63	C5	3	.	.	.	.	.	.	184	.	.
64	C5	4	-2337	2340	.	.	.	.	149	2340	.
65	C5	5	-2445	2448	.	.	.	.	252	.	.
66	C5	6	-2430	2433	.	.	.	.	228	2433	.
67	C5	7	-2481	2484	.	.	.	.	149	2484	.
68	C5	8	-2439	2442	.	.	.	.	228	2441	.
69	C5	9	-2615	2618	.	.	.	.	149	2618	.
70	C6	2	-2664	2667	.	.	.	.	252	2666	.
71	C6	3	-2668	2671	.	.	.	.	252	2671	.
72	C6	4	-2727	2730	.	.	.	.	252	2730	.
73	C6	5	-3013	3016	.	.	.	.	276	3019	.
74	C6	6	-3024	3027	.	.	.	.	278	.	.
75	C6	7	-3093	3096	.	.	.	.	276	3098	.
76	C7	2	-600	604	606	2	1	984	112	606	.
77	C7	3	-787	791	791	.	1	908	99	791	.
78	C7	4	-953	957	956	-1	1	965	82	956	.
79	C7	5	-1351	1355	1355	.	1	981	172	1355	.
80	C7	6	-1676	1680	1679	-1	1	963	330	1679	.
81	C7	7	-2148	2151	2152	1	1	897	212	2152	.
82	C7	8	-2205	2208	2209	1	1	983	244	2209	.

QUANTITATION REPORT FILE: GJ019261A14

DATA: GJ019261A14.TI
02/03/84 9:13:00
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
SUBMITTED BY: #14 ANALYST: 659

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	*D4-1,4-DICHLOROBENZENE (IS)
2	441 N-NITROSODIMETHYAMINE
3	610 PHENOL
4	473 ANILINE
5	411 BIS(2-CHLOROETHYL)ETHER
6	601 2-CHLOROPHENOL
7	421 1,3-DICHLOROBENZENE
8	422 1,4-DICHLOROBENZENE
9	474 BENZYL ALCOHOL
10	420 1,2-DICHLOROBENZENE
11	620 2-METHYLPHENOL
12	412 BIS(2-CHLOROISOPROPYL)ETHER
13	622 4-METHYLPHENOL
14	442 N-NITROSO-DI-N-PROPYLAMINE
15	436 HEXACHLOROETHANE
16	440 NITROBENZENE
17	*460 D8-NAPHTHALENE (IS)
18	438 ISOPHORONE
19	606 2-NITROPHENOL
20	603 2,4-DIMETHYLPHENOL
21	410 BIS(2-CHLOROETHOXY)METHANE
22	625 BENZOIC ACID
23	602 2,4-DICHLOROPHENOL
24	446 1,2,4-TRICHLOROBENZENE
25	439 NAPHTHALENE
26	475 4-CHLOROANILINE
27	434 HEXACHLOROBUTADIENE
28	608 P-CHLORO-M-CRESOL
29	477 2-METHYLNAPHTHALENE
30	435 HEXACHLOROCYCLOPENTADIENE
31	611 2,4,6-TRICHLOROPHENOL
32	626 2,4,5-TRICHLOROPHENOL
33	*D10-ACENAPHTHENE (IS)
34	416 2-CHLORONAPHTHALENE
35	479 3-NITROANILINE
36	425 DIMETHYLPHTHALATE
37	402 ACENAPHTHYLENE
38	428 2,6-DINITROTOLUENE
39	478 2-NITROANILINE
40	401 ACENAPHTHENE
41	605 2,4-DINITROPHENOL
42	607 4-NITROPHENOL
43	476 DIBENZOFURAN
44	427 2,4-DINITROTOLUENE
45	424 DIETHYLPHTHALATE
46	417 4-CHLOROPHENYL PHENYL ETHER

028053

003678

NO	NAME
47	432 FLUORENE
48	480 4-NITROANILINE
49	604 4,6-DINITRO-O-CRESOL
50	443 DIPHENYLAMINE (N-NITROSO)
51	430 1,2-DIPHENYLHYDRAZINE (AZOBENZENE)
52	*467 D10-PHENANTHRENE (IS)
53	414 4-BROMOPHENYL PHENYL ETHER
54	439 HEXACHLOROBENZENE
55	609 PENTACHLOROPHENOL
56	444 PHENANTHRENE
57	403 ANTHRACENE
58	426 DI-N-BUTYLPHTHALATE
59	431 FLUORANTHENE
60	*459 D12-CHRYSENE (IS)
61	445 PYRENE
62	404 BENZIDENE
63	415 BUTYLBENZYLPHTHALATE
64	423 3,3'-DICHLOROBENZIDINE
65	405 BENZO(A)ANTHRACENE
66	413 BIS(2-ETHYLHEXYL)PHTHALATE
67	418 CHRYSENE
68	429 DI-N-OCTYLPHTHALATE
69	*D12-BENZO(A)PYRENE (IS)
70	407 BENZO(B)FLUORANTHENE
71	409 BENZO(K)FLUORANTHENE
72	406 BENZO(A)PYRENE
73	437 INDENO(1,2,3-C,D)PYRENE
74	419 DIBENZO(A,H)ANTHRACENE
75	408 BENZO(G,H,I)PERYLENE
76	619 2-FLUOROPHENOL (SURROGATE)
77	D5-PHENOL (SURROGATE)
78	447 D5-NITROBENZENE (SURROGATE)
79	448 2-FLUOROBIPHENYL (SURROGATE)
80	TRIBROMOPHENOL (SURROGATE)
81	D10-PYRENE (SURROGATE)
82	D14-TERPHENYL (SURROGATE)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	150	833	10:25	1	1.000	A BB	39665.	40.000 NG	2.68
2	NOT FOUND								
3	94	793	9:55	1	0.952	A BV	36743.	32.698 NG	2.19
4	NOT FOUND								
5	93	800	10:00	1	0.960	A BB	1158.	1.200 NG	0.08
6	128	800	10:00	1	0.960	A BB	28654.	37.336 NG	2.50
7	NOT FOUND								
8	146	836	10:27	1	1.004	A BB	39528.	45.007 NG	3.02
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	130	940	11:45	1	1.128	A BB	21292.	223.536 NG	14.98
15	NOT FOUND								
16	NOT FOUND								
17	136	1102	13:46	17	1.000	A BB	75384.	40.000 NG	2.68
18	82	1011	12:38	17	0.917	A BB	374.	0.285 NG	0.02

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	180	1096	13:42	17	0.995	A BB	26258.	43.432 NG	2.91
25	128	1105	13:49	17	1.003	A BB	1404.	0.645 NG	0.04
26	NOT FOUND								
27	NOT FOUND								
28	107	1252	15:39	17	1.136	A BV	16530.	27.563 NG	1.85
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	164	1497	18:43	33	1.000	A BB	27845.	40.000 NG	2.68
34	NOT FOUND								
35	NOT FOUND								
36	163	1464	18:18	33	0.978	A BB	554.	0.569 NG	0.04
37	152	1461	18:16	33	0.976	A BB	793.	0.775 NG	0.05
38	NOT FOUND								
39	NOT FOUND								
40	154	1504	18:48	33	1.005	A BB	35818.	43.800 NG	2.93
41	NOT FOUND								
42	NOT FOUND NF.								
43	NOT FOUND ,								
44	NOT FOUND NF								
45	149	1627	20:20	33	1.087	A BB	1271.	1.120 NG	0.08
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								
51	NOT FOUND								
52	188	1829	22:52	52	1.000	A BB	44057.	40.000 NG	2.68
53	NOT FOUND								
54	NOT FOUND								
55	266	1808	22:36	52	0.989	A BB	2924.	21.635 NG	1.45
56	178	1834	22:55	52	1.003	A BB	883.	0.707 NG	0.05
57	178	1843	23:02	52	1.008	A BB	663.	0.610 NG	0.04
58	149	2002	25:01	52	1.095	A BB	83578.	49.365 NG	3.31
59	202	2106	26:19	52	1.151	A BB	832.	0.744 NG	0.05
60	240	2437	30:28	60	1.000	A BB	22832.	40.000 NG	2.68
61	202	2156	26:57	60	0.885	A BB	59134.	52.176 NG	3.50
62	NOT FOUND								
63	149	2340	29:15	60	0.960	A BB	398.	0.749 NG	0.05
64	NOT FOUND								
65	228	2433	30:25	60	0.998	A BB	605.	0.734 NG	0.05
66	149	2484	31:03	60	1.019	A BB	1288.	1.584 NG	0.11
67	228	2441	30:31	60	1.002	A BB	619.	0.963 NG	0.06
68	149	2618	32:43	60	1.074	A BB	1257.	0.932 NG	0.06
69	264	2725	34:04	69	1.000	A BB	21262.	40.000 NG	2.68
70	252	2666	33:19	69	0.978	A BV	1606.	2.068 NG	0.14
71	252	2671	33:23	69	0.980	A VB	1117.	1.911 NG	0.13
72	252	2730	34:07	69	1.002	A BB	1561.	2.761 NG	0.18
73	276	3019	37:44	69	1.108	A BB	1459.	5.566 NG	0.37
74	NOT FOUND								

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
75	276	3098	38:43	69	1.137	A BV	776.	3.263	NG	0.22
76	112	606	7:34	1	0.727	A BV	64739.	97.507	NG	6.53
77	99	791	9:53	17	0.718	A BV	52848.	68.763	NG	4.61
78	82	956	11:57	17	0.868	A BV	20510.	27.253	NG	1.83
79	172	1355	16:56	17	1.230	A BB	120078.	111.958	NG	7.50
80	330	1679	20:59	33	1.122	A BB	9890.	87.373	NG	5.85
81	212	2152	26:54	60	0.883	A BB	125901.	126.579	NG	8.48
82	244	2209	27:37	52	1.208	A BV	92732.	129.829	NG	8.70

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	10:22	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	4:08		0.399			50.00		0.751	
3	9:52	1.01	0.951	1.00	32.70	50.00	0.741	1.133	0.65
4	9:43		0.937			50.00		0.963	
5	9:57	1.01	0.959	1.00	1.20	50.00	0.023	0.973	0.02
6	9:57	1.01	0.959	1.00	37.34	50.00	0.578	0.774	0.75
7	10:16		0.989			50.00		0.820	
8	10:25	1.00	1.004	1.00	45.01	50.00	0.797	0.886	0.90
9	10:55		1.052			50.00		0.433	
10	10:52		1.048			50.00		0.781	
11	11:19		1.092			50.00		0.569	
12	11:20		1.093			50.00		0.196	
13	11:43		1.130			50.00		0.644	
14	11:42	1.00	1.128	1.00	223.54	50.00	0.429	0.096	4.47
15	11:38		1.122			50.00		0.329	
16	11:57		1.152			50.00		0.333	
17	13:43	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
18	12:37	1.00	0.919	1.00	0.28	50.00	0.004	0.697	0.01
19	12:49		0.934			50.00		0.171	
20	13:06		0.954			50.00		0.283	
21	13:21		0.973			50.00		0.490	
22	13:46		1.004			250.00		0.123	
23	13:28		0.981			50.00		0.241	
24	13:39	1.00	0.995	1.00	43.43	50.00	0.279	0.321	0.87
25	13:46	1.00	1.004	1.00	0.64	50.00	0.015	1.156	0.01
26	14:08		1.030			249.99		0.183	
27	14:22		1.046			50.00		0.151	
28	15:34	1.00	1.135	1.00	27.56	50.00	0.175	0.318	0.55
29	15:43		1.145			50.00		0.238	
30	16:23		1.194			50.00		0.077	
31	16:39		1.213			50.00		0.184	
32	16:45		1.220			249.99		0.143	
33	18:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
34	17:03		0.913			50.00		1.329	
35	17:34		0.941			249.99		0.443	
36	18:16	1.00	0.978	1.00	0.57	50.00	0.016	1.398	0.01
37	18:13	1.00	0.975	1.00	0.77	50.00	0.023	1.471	0.02
38	18:25		0.986			50.00		0.261	
39	18:43		1.003			249.99		0.041	
40	18:46	1.00	1.005	1.00	43.80	50.00	1.029	1.175	0.88
41	19:03		1.020			249.99		0.066	
42	19:25		1.040			125.00		0.103	
43	19:13		1.029			50.00		1.768	
44	19:29		1.044			50.00		0.353	
45	20:19	1.00	1.088	1.00	1.12	50.00	0.037	1.630	0.02
46	20:19		1.088			50.00		0.524	

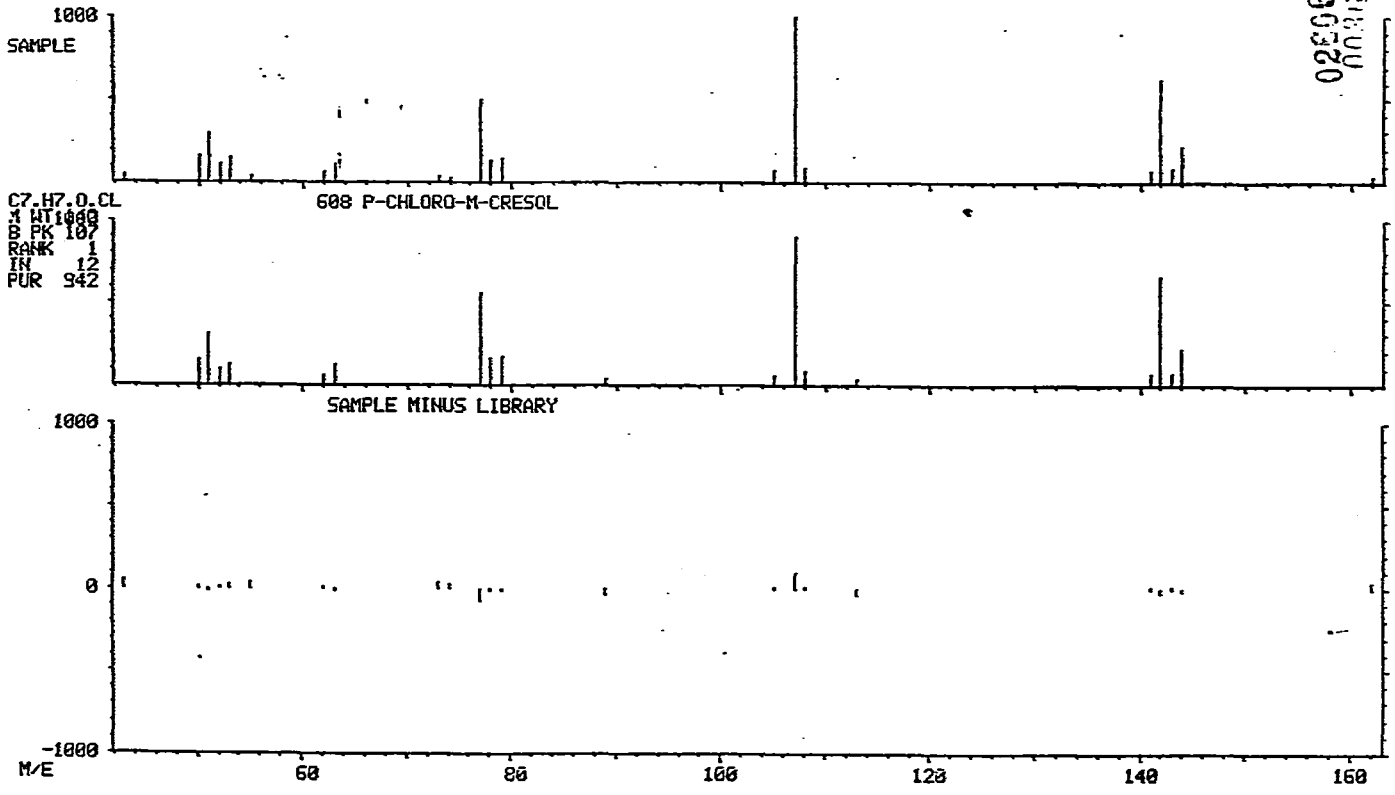
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
47	20:12		1.082			50.00		1.264	
48	20:33		1.100			249.99		0.023	
49	20:37		1.104			249.99		0.131	
50	20:43		1.109			50.00		0.501	
51	20:45		1.111			50.00		1.751	
52	22:49	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
53	21:40	.	0.950			50.00		0.181	
54	21:58		0.963			50.00		0.250	
55	22:33	1.00	0.988	1.00	21.64	50.00	0.053	0.123	0.43
56	22:53	1.00	1.003	1.00	0.71	50.00	0.016	1.134	0.01
57	23:01	1.00	1.008	1.00	0.61	50.00	0.012	0.987	0.01
58	24:59	1.00	1.095	1.00	49.37	50.00	1.518	1.537	0.99
59	26:17	1.00	1.152	1.00	0.74	50.00	0.015	1.016	0.01
60	30:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
61	26:54	1.00	0.884	1.00	52.18	50.00	2.072	1.986	1.04
62	30:01		0.908			50.00		0.010	
63	29:13	1.00	0.960	1.00	0.75	50.00	0.014	0.931	0.01
64	30:34		1.005			50.00		0.024	
65	30:22	1.00	0.998	1.00	0.73	50.00	0.021	1.445	0.01
66	31:01	1.00	1.019	1.00	1.58	50.00	0.045	1.425	0.03
67	30:29	1.00	1.002	1.00	0.96	50.00	0.022	1.127	0.02
68	32:41	1.00	1.074	1.00	0.93	50.00	0.044	2.362	0.02
69	34:01	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
70	33:18	1.00	0.979	1.00	2.07	50.00	0.060	1.461	0.04
71	33:21	1.00	0.980	1.00	1.91	50.00	0.042	1.100	0.04
72	34:05	1.00	1.002	1.00	2.76	50.00	0.059	1.064	0.06
73	37:40	1.00	1.107	1.00	5.57	50.00	0.055	0.493	0.11
74	37:48		1.111			50.00		0.452	
75	38:40	1.00	1.136	1.00	3.26	50.00	0.029	0.447	0.07
76	7:30	1.01	0.723	1.01	97.51	50.00	1.306	0.670	1:95
77	9:50	1.01	0.717	1.00	68.76	50.00	0.561	0.408	1.38
78	11:55	1.00	0.868	1.00	27.25	50.00	0.218	0.399	0.55
79	16:53	1.00	1.230	1.00	111.96	50.00	1.274	0.569	2.24
80	20:57	1.00	1.122	1.00	87.37	50.00	0.284	0.163	1.75
81	26:51	1.00	0.882	1.00	126.58	50.00	4.411	1.743	2.53
82	27:34	1.00	1.208	1.00	129.83	50.00	1.684	0.648	2.60

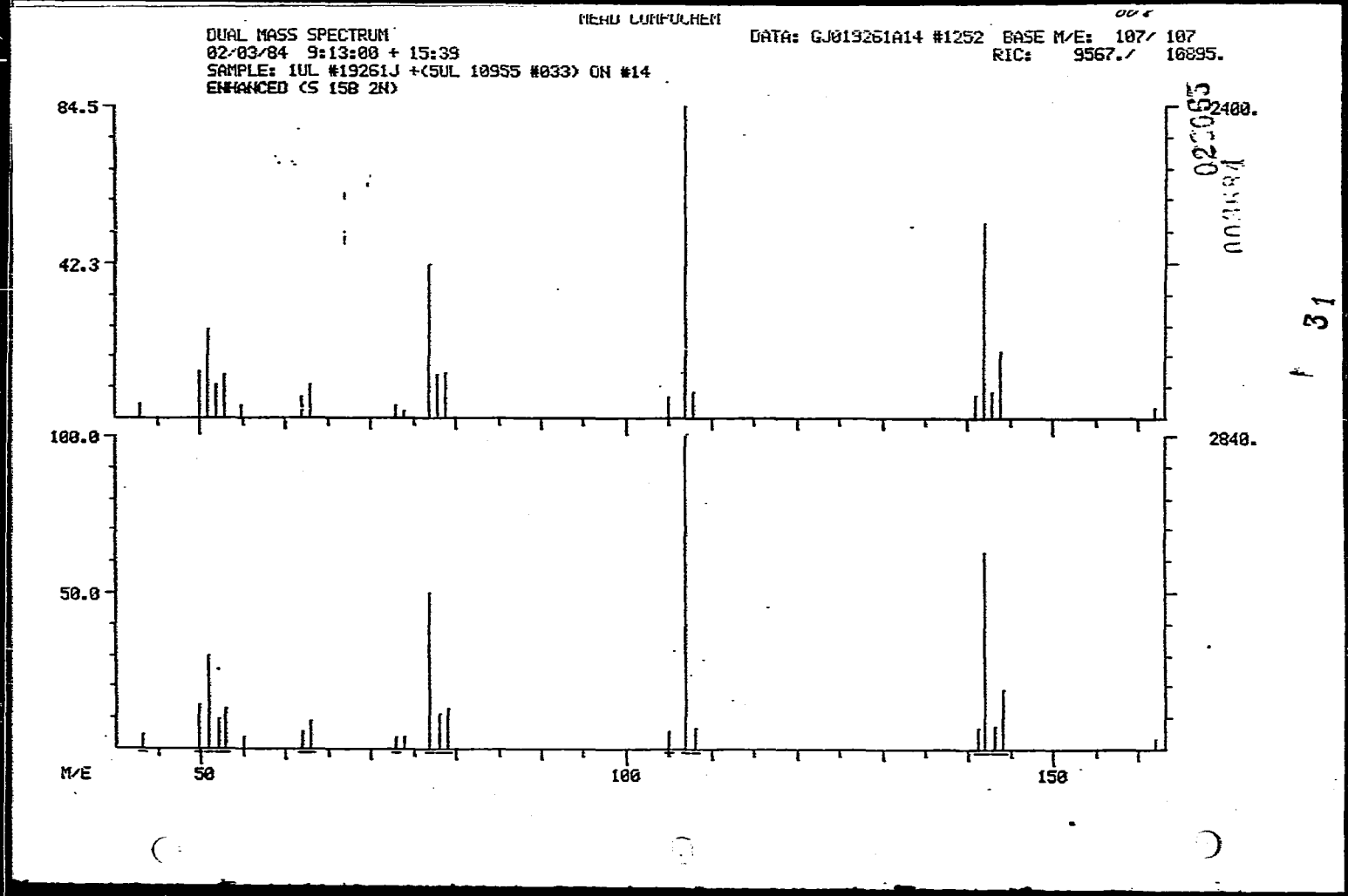
MEAD COMPUCHEM

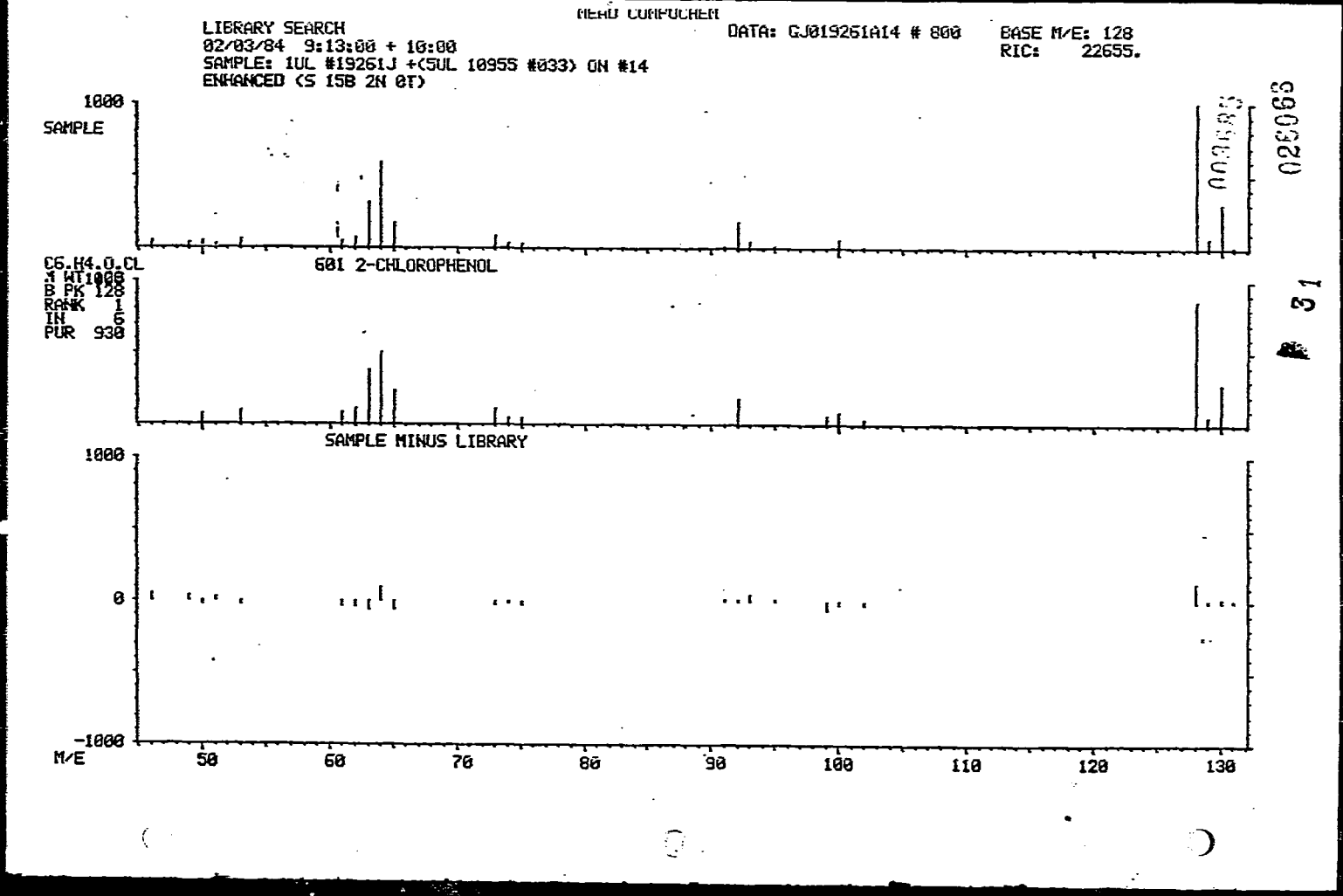
LIBRARY SEARCH
02/03/84 9:13:00 + 15:39
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N 0T)

DATA: GJ019261A14 #1252

BASE M/E: 107
RIC: 9567.




MENU COMPUCHEM
DUAL MASS SPECTRUM
02/03/84 9:13:00 + 15:39
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N)
DATA: GJ019261A14 #1252 BASE M/E: 107/ 107
RIC: 9567./ 10895.
84.5
42.3
100.0
50.0
2400.
2840.
M/E
50
100
150

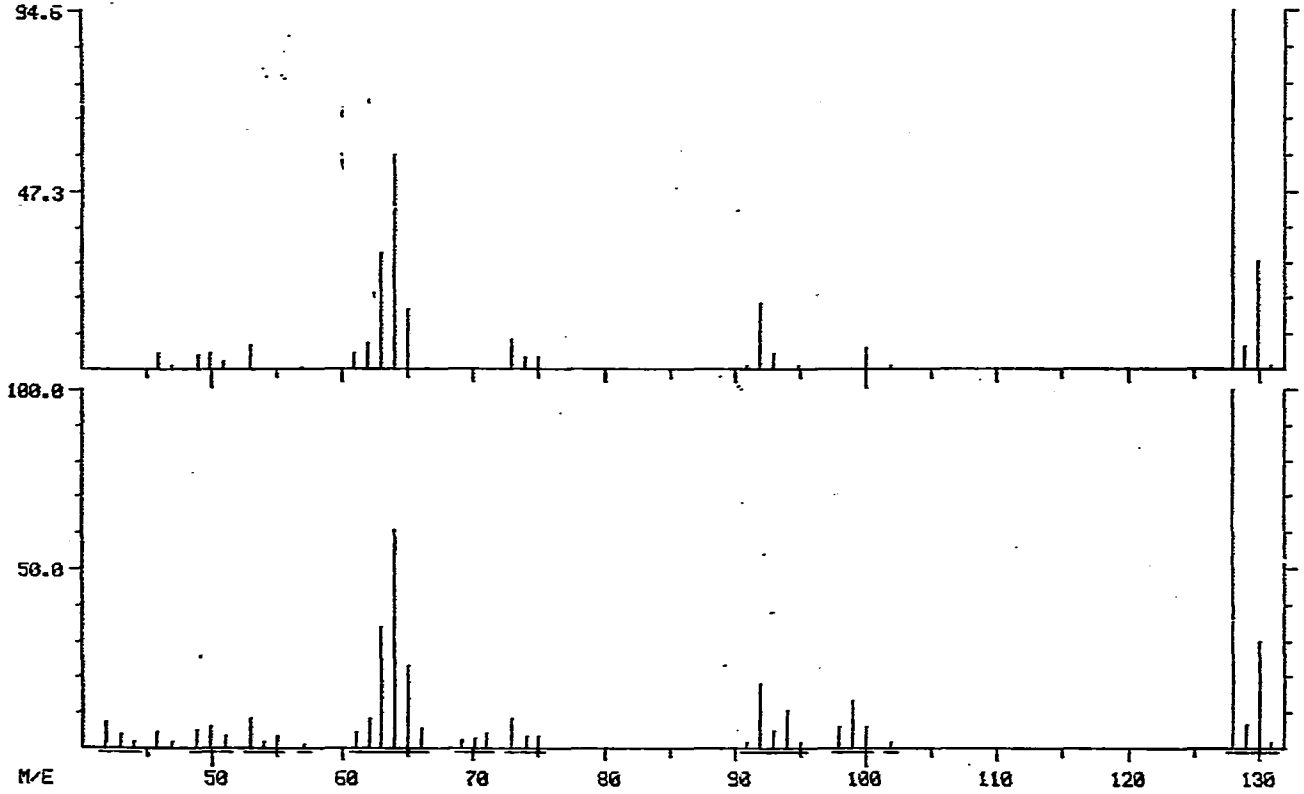

MEAD COMPUCHEM
LIBRARY SEARCH
02/03/84 9:13:00 + 10:00
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N 0T)
DATA: GJ019261A14 # 800
BASE M/E: 128
RIC: 22655.
1000
SAMPLE
C6.H4.O.CL
601 2-CHLOROPHENOL
1 WT1000
B PK 128
RANK 1
IN 6
PUR 930
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
50
60
70
80
90
100
110
120
130

MEAD COMPUCHEM

601

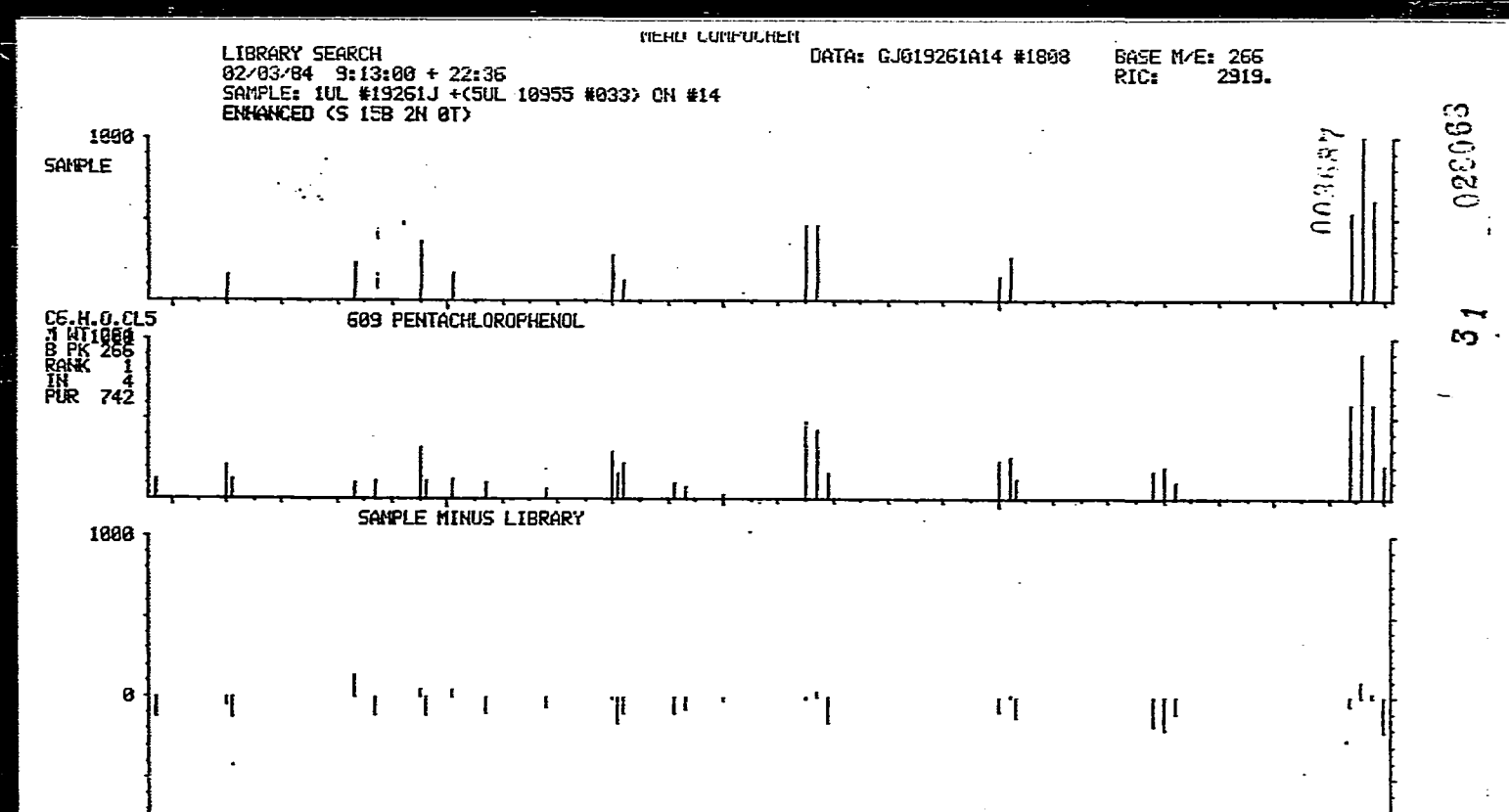
DUAL MASS SPECTRUM
02/03/84 9:13:00 + 10:00
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N)

DATA: GJ019261A14 #800 BASE M/E: 128/ 128
RIC: 22783./ 30111.



0026067

31

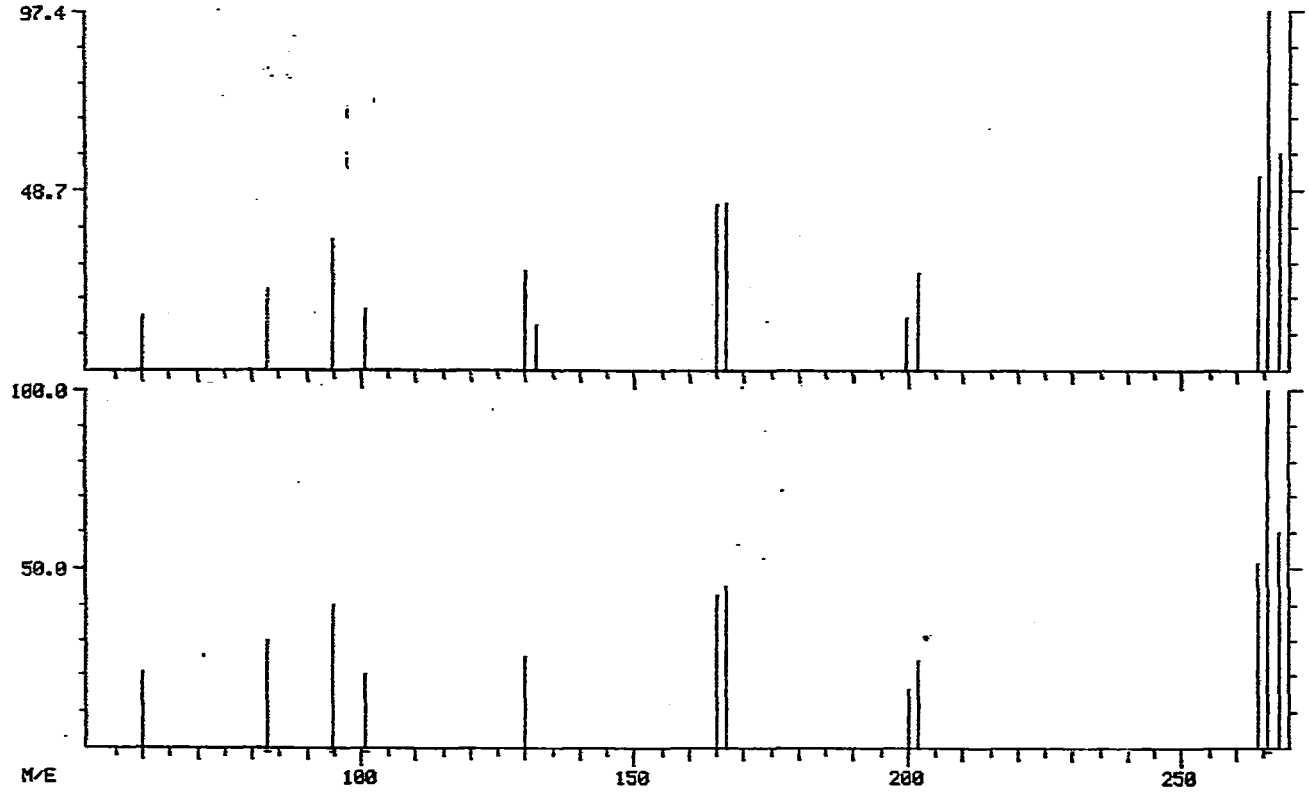

MEAD COMPUCHEM
LIBRARY SEARCH
02/03/84 9:13:00 + 22:36
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N 0T)
DATA: GJ019261A14 #1808
BASE M/E: 266
RIC: 2919.
1000
SAMPLE
C6.H.O.CL5
609 PENTACHLOROPHENOL
M WT266
B PK 266
RANK 1
IN 4
PUR 742
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
50
100
150
200
250

MEAD COMPUCHEM

607

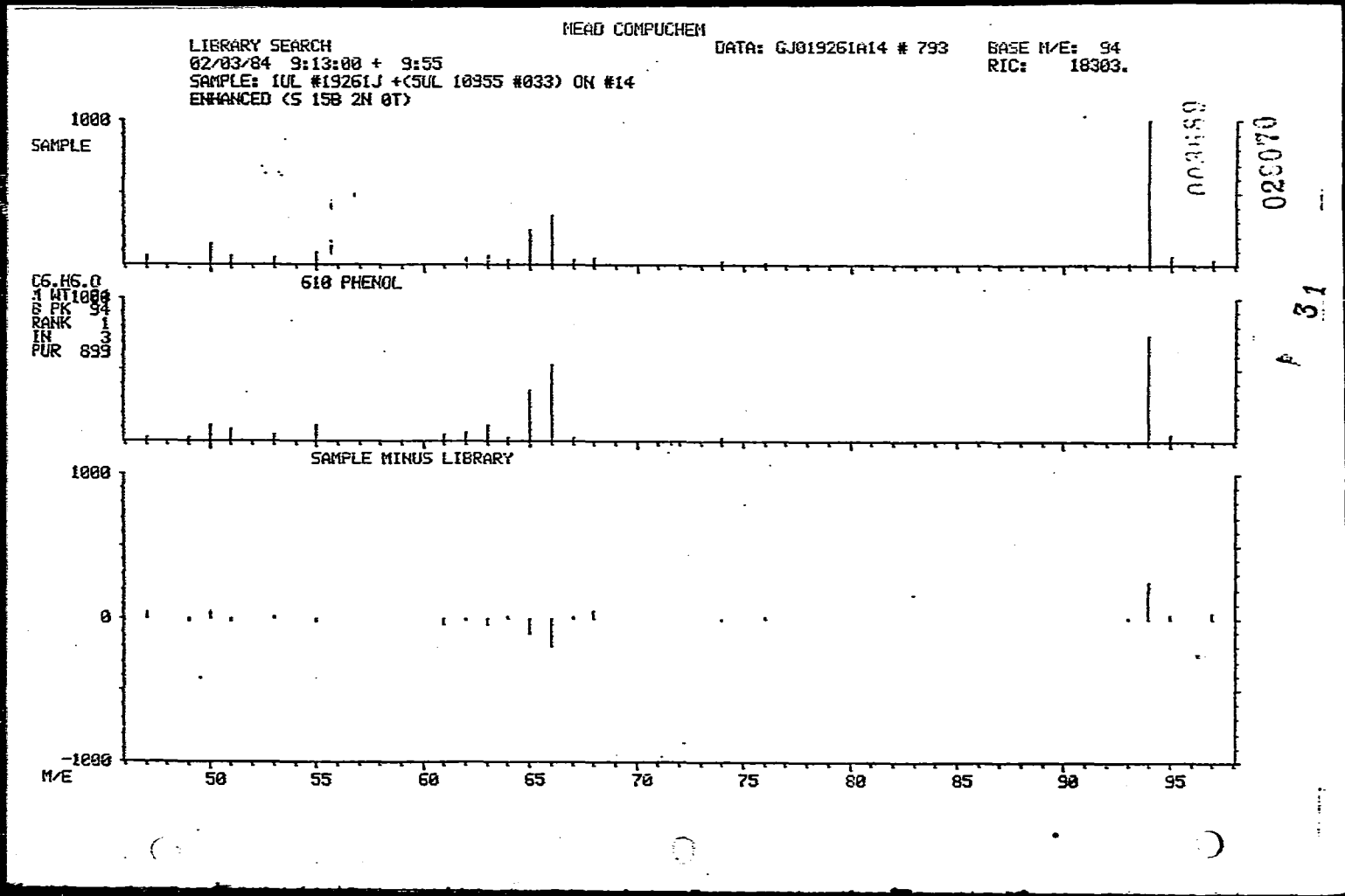
DUAL MASS SPECTRUM
02/03/84 9:13:00 + 22:36
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N)

DATA: GJ019261A14 #1808 BASE M/E: 266/ 266
RIC: 2919./ 2975.



020063

31


MEAD COMPUCHEM
LIBRARY SEARCH
02/03/84 9:13:00 + 9:55
SAMPLE: IUL #19261J +(5UL 10355 #033) ON #14
ENHANCED (S 15B 2N 0T)
DATA: GJ019261A14 # 793
BASE M/E: 94
RIC: 18303.
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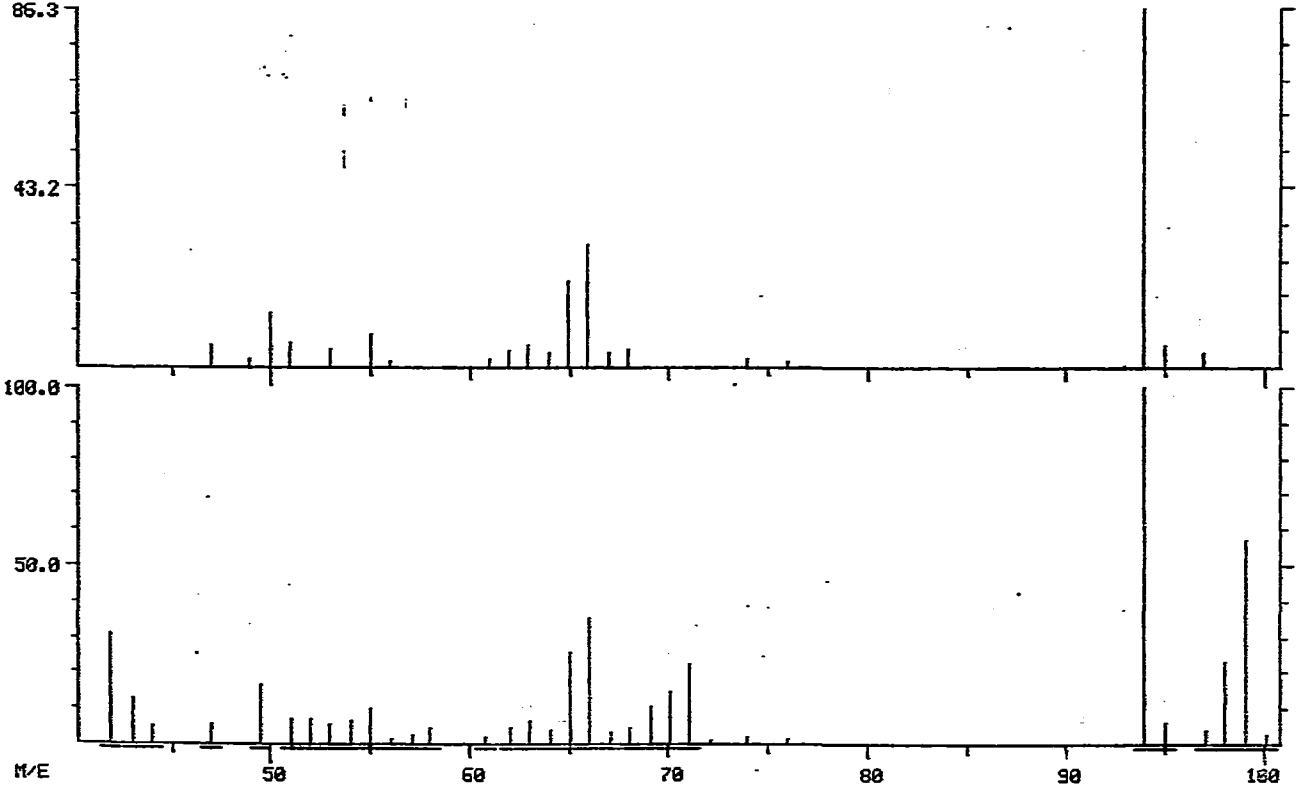
SAMPLE
C6.H6.O
1 WT1000
S PK 94
RANK 1
IN 3
PUR 899
610 PHENOL
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
50
55
60
65
70
75
80
85
90
95

DUAL MASS SPECTRUM
02/03/84 9:13:00 + 9:55
SAMPLE: IUL #19261J +(SUL 10955 #033) ON #14 .
ENHANCED (S 15B 2N)

DATA: GJ819261A14 #793 BASE M/E: 94/ 94
RIC: 18751./ 40127.



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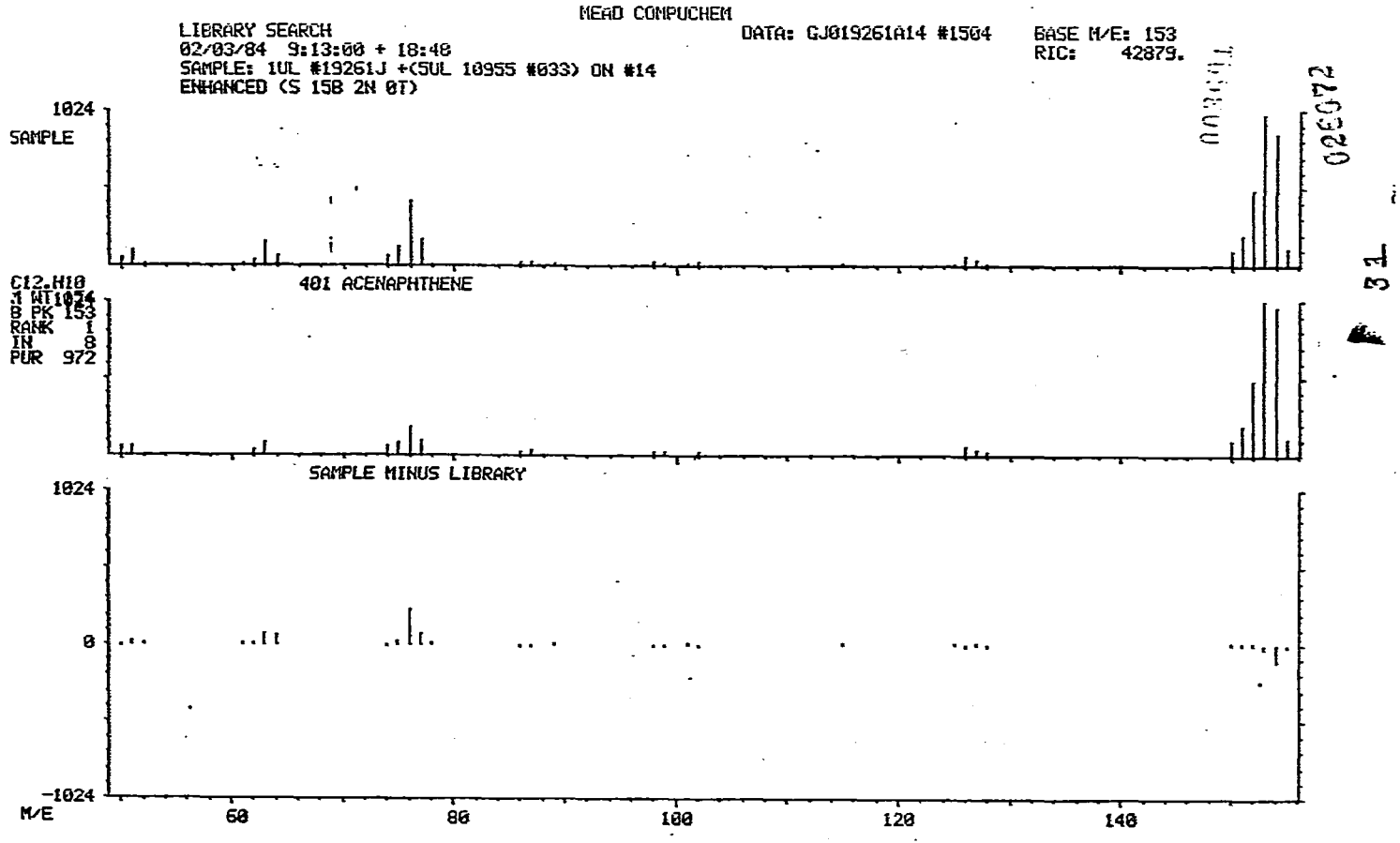
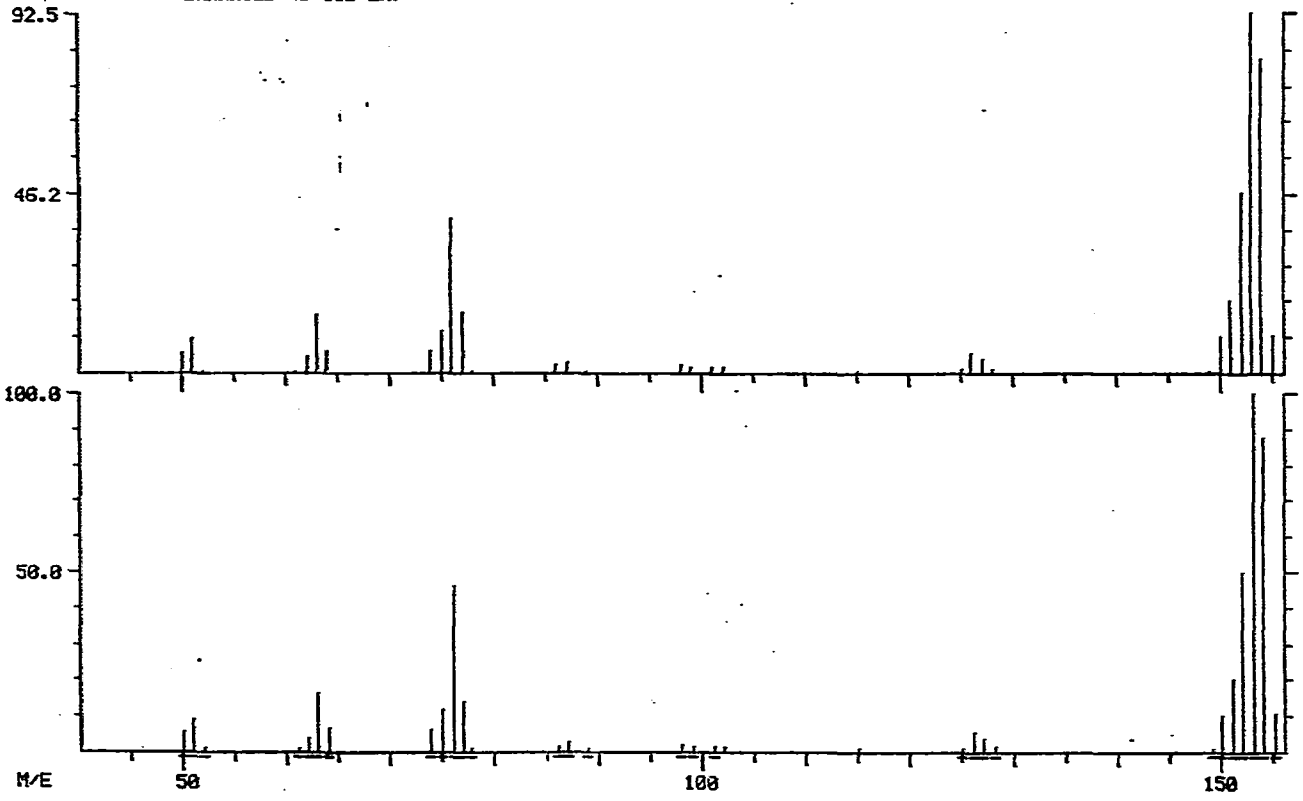

MEAD COMPUCHEM
LIBRARY SEARCH
02/03/84 9:13:00 + 18:48
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N 0T)
DATA: GJ019261A14 #1504
BASE M/E: 153
RIC: 42879.
1024
SAMPLE
C12.H10
1 WT1074
B PK 153
RANK 1
IN 8
PUR 972
401 ACENAPHTHENE
SAMPLE MINUS LIBRARY
1024
0
-1024
M/E
60
80
100
120
140

MEAD COMPUCHEM

#01

DUAL MASS SPECTRUM
02/03/84 9:13:00 + 18:48
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N)

DATA: GJ019261A14 #1504 BASE M/E: 153/ 153
RIC: 42879./ 46655.



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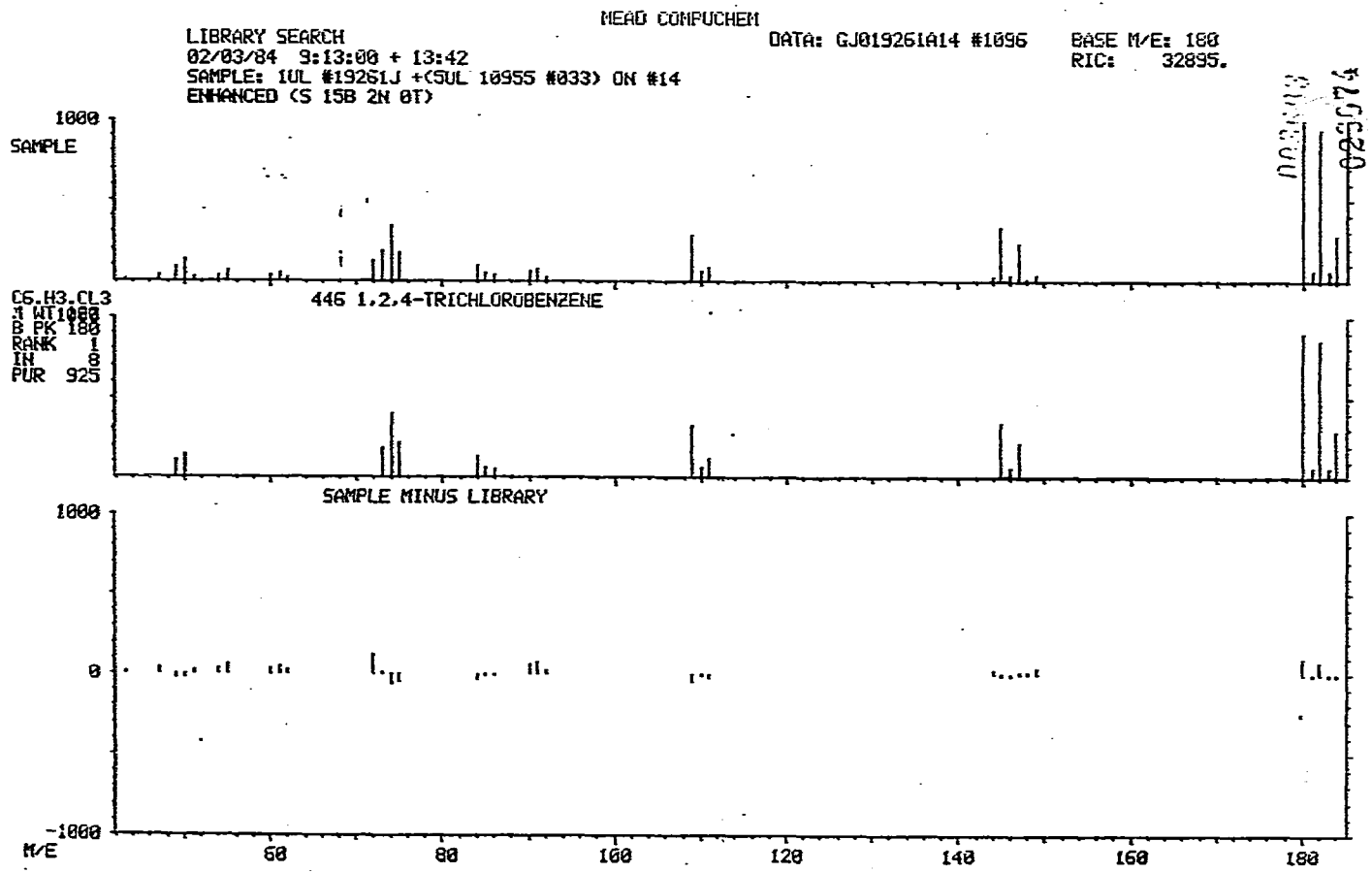
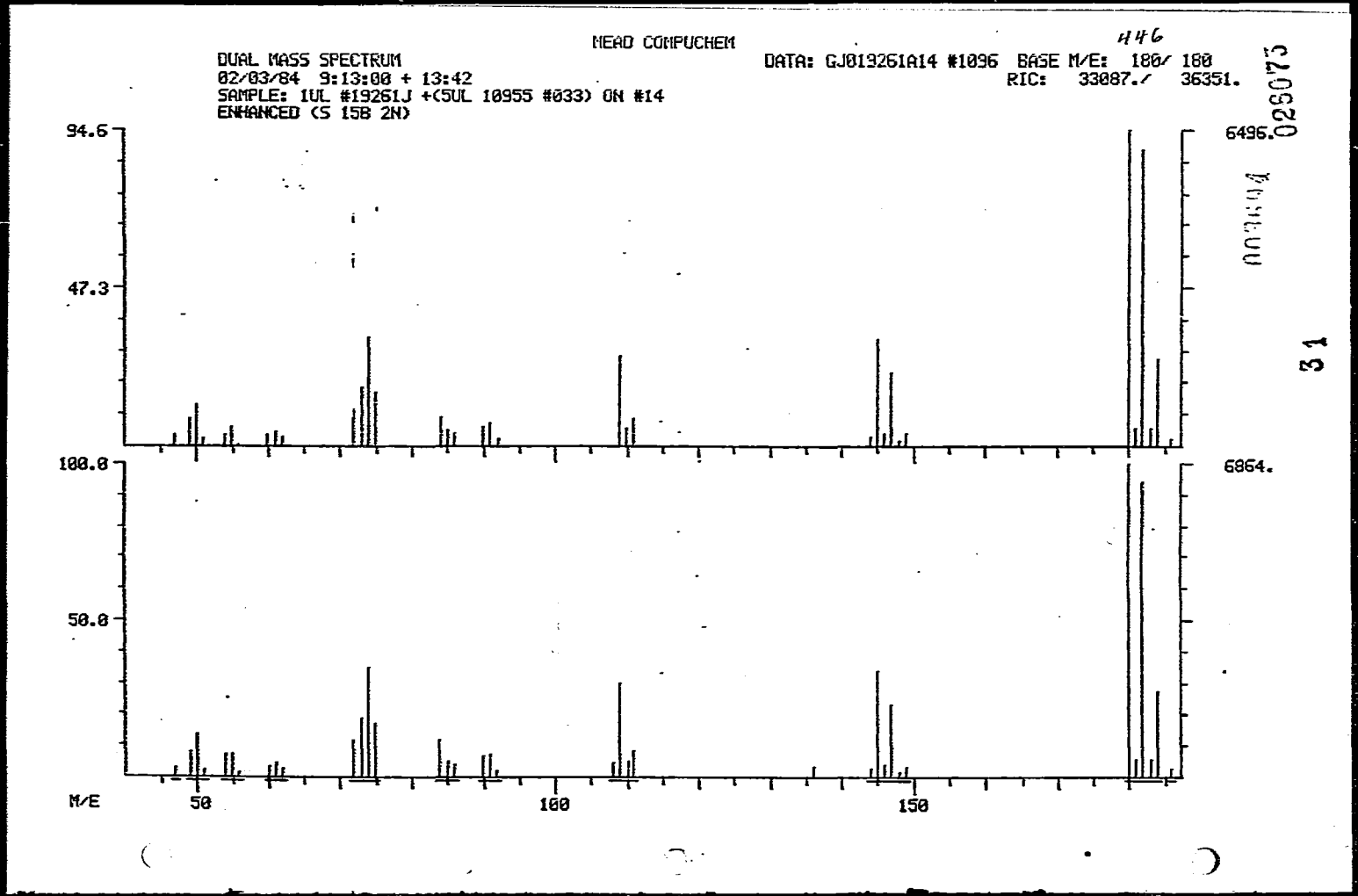
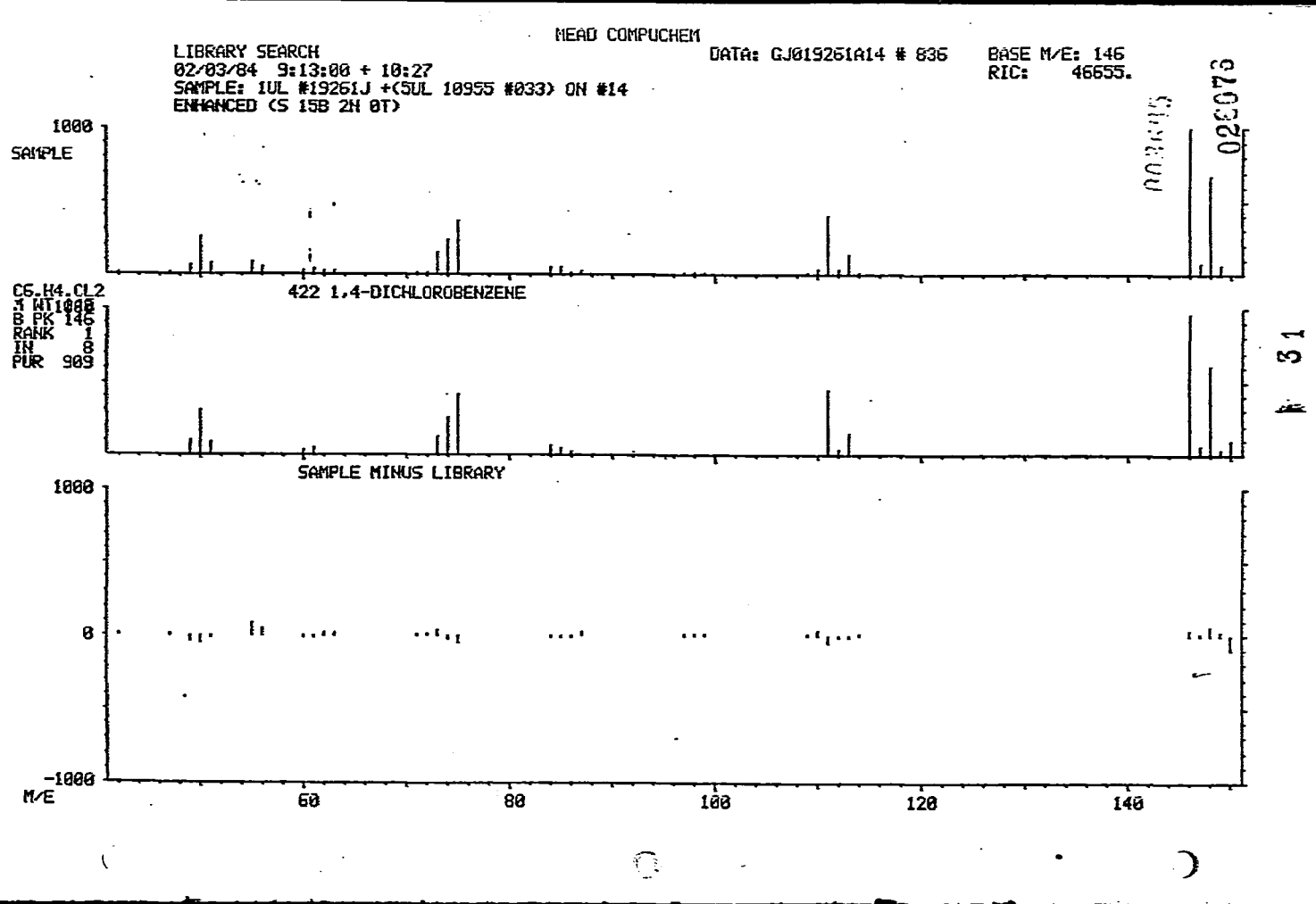

MEAD COMPUCHEM
LIBRARY SEARCH
02/03/84 9:13:00 + 13:42
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N 0T)
DATA: GJ019261A14 #1096
BASE M/E: 180
RIC: 32895.
1000
SAMPLE
C6.H3.CL3
446 1.2.4-TRICHLOROBENZENE
% WT1000
B PK 180
RANK 1
IN 8
PUR 925
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
60
80
100
120
140
160
180


MEAD COMPUCHEM
#46
DUAL MASS SPECTRUM
02/03/84 9:13:00 + 13:42
SAMPLE: IUL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N)
DATA: GJ019261A14 #1096 BASE M/E: 180/ 180
RIC: 33087./ 36351.
94.6
47.3
6496.
100.0
50.0
6864.
M/E
50
100
150
026075
31

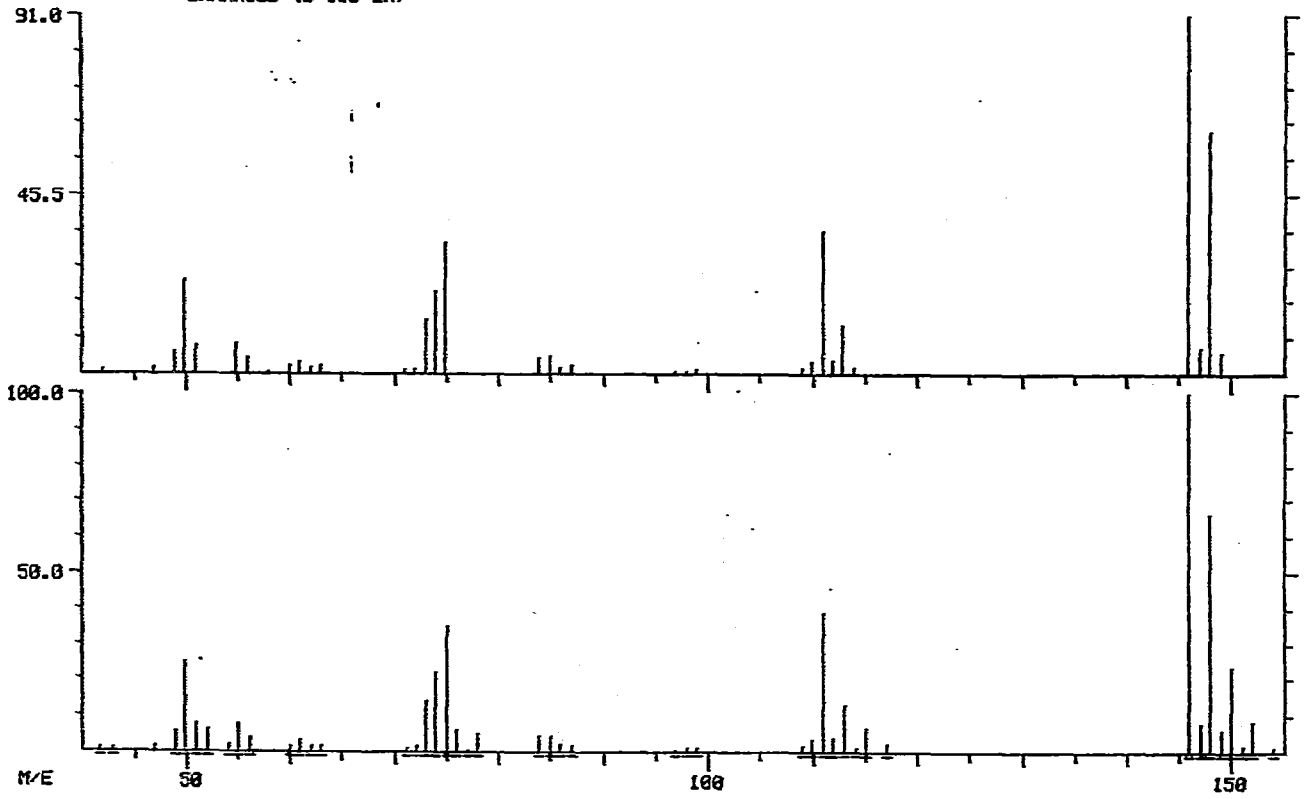

MEAD COMPUCHEM
LIBRARY SEARCH
02/03/84 9:13:00 + 10:27
SAMPLE: IUL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N 0T)
DATA: GJ019261A14 # 836
BASE M/E: 146
RIC: 46655.
1000
SAMPLE
C6.H4.CL2
422 1,4-DICHLOROBENZENE
SAMPLE MINUS LIBRARY
0
-1000
M/E
60
80
100
120
140

MEAD COMPUCHEM

H22

DUAL MASS SPECTRUM
02/03/84 9:13:00 + 10:27
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N)

DATA: GJ019261A14 #836 BASE M/E: 146/ 146
RIC: 46719./ 58559.



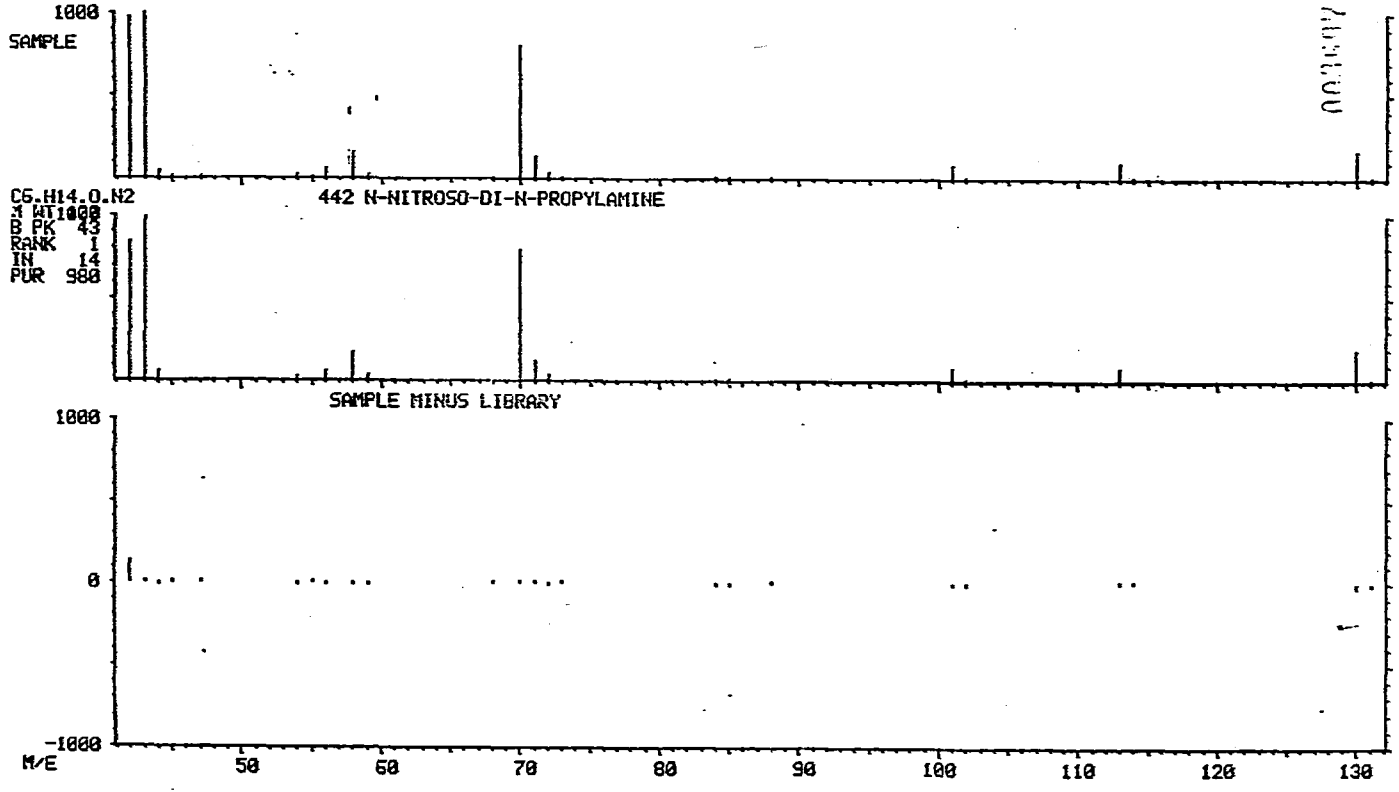
31

MEAD COMPUCHEM

LIBRARY SEARCH
02/03/84 9:13:00 + 11:45
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N 0T)

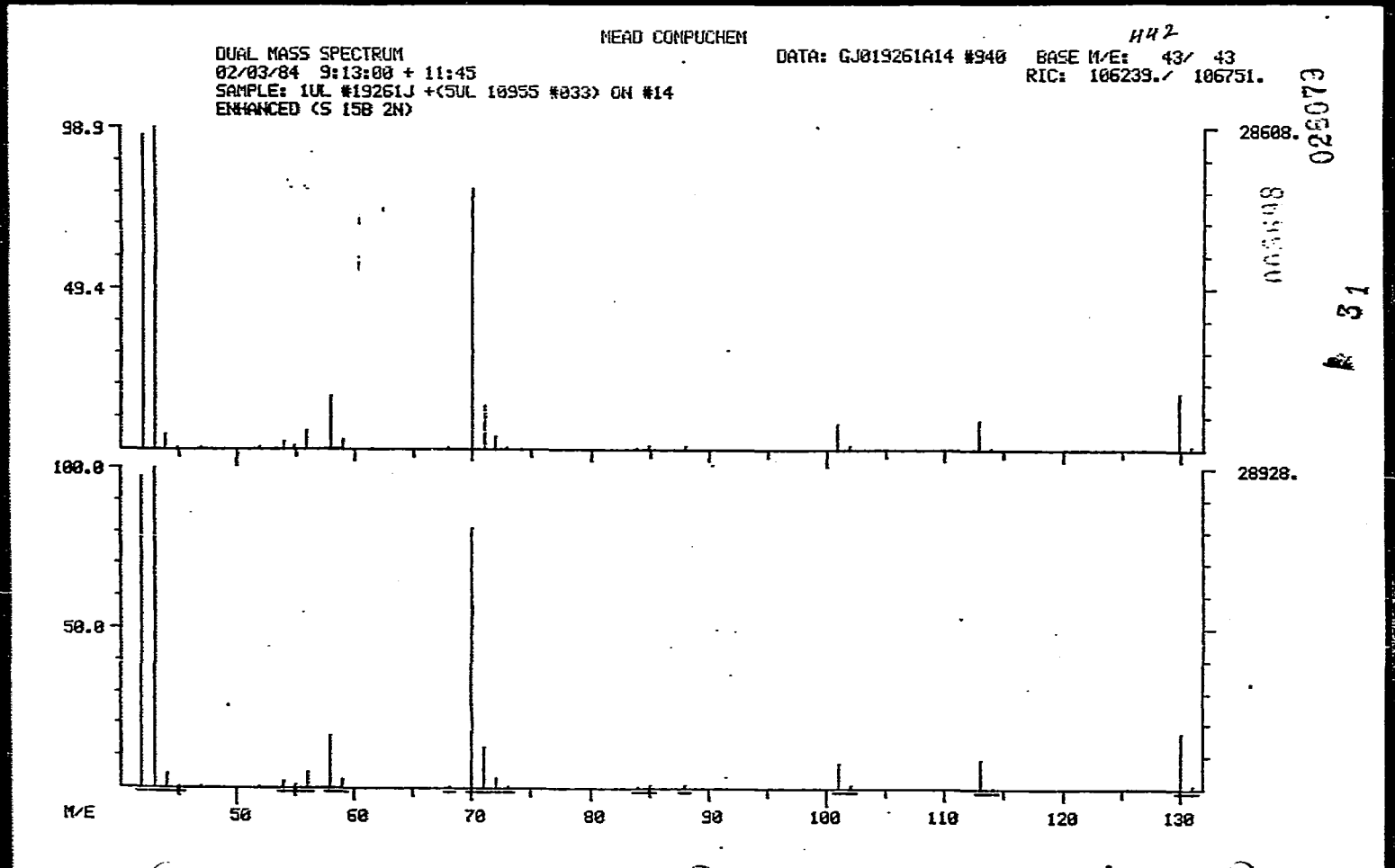
DATA: GJ019261A14 # 940

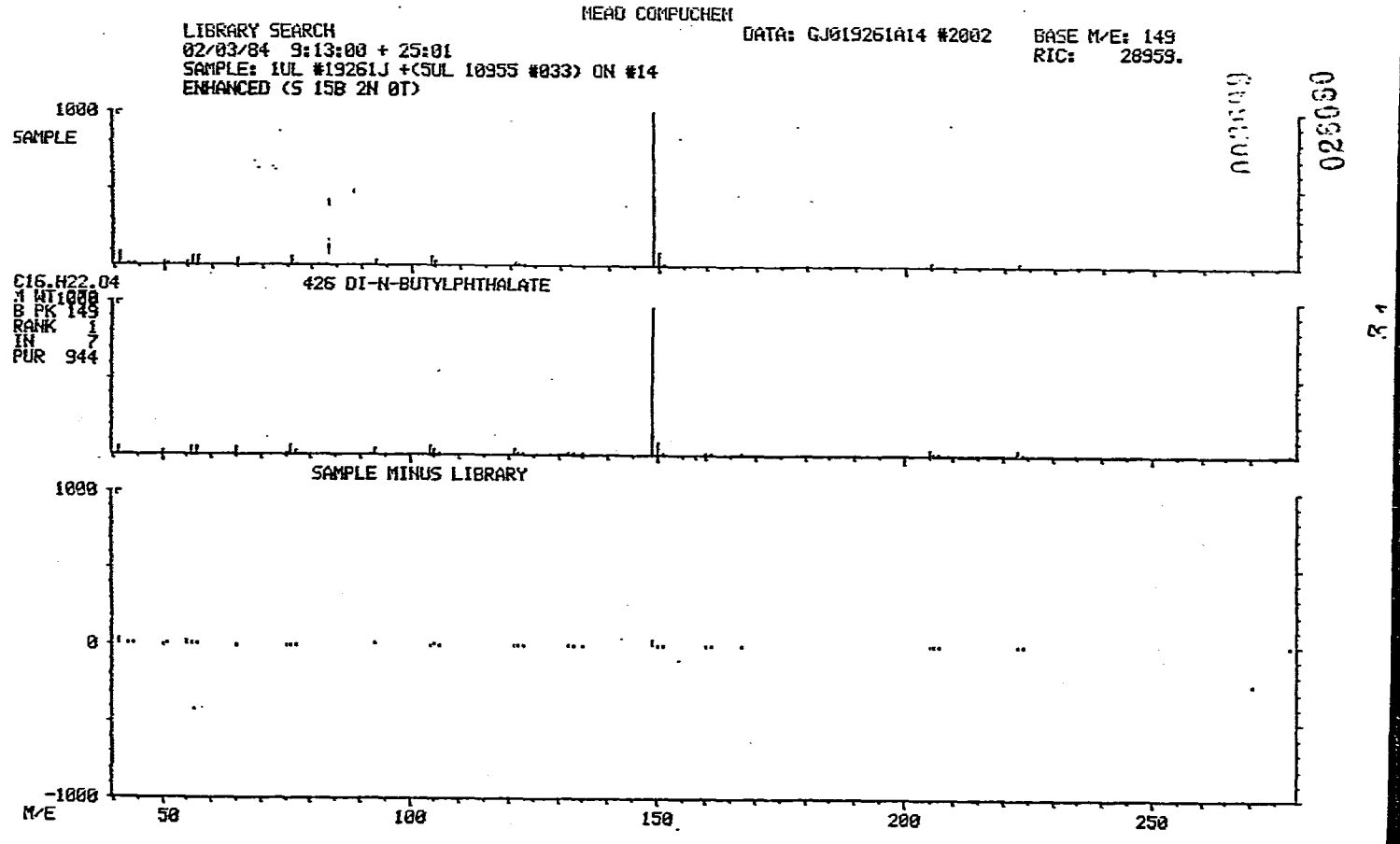
BASE M/E: 43
RIC: 106239.



0236073

31

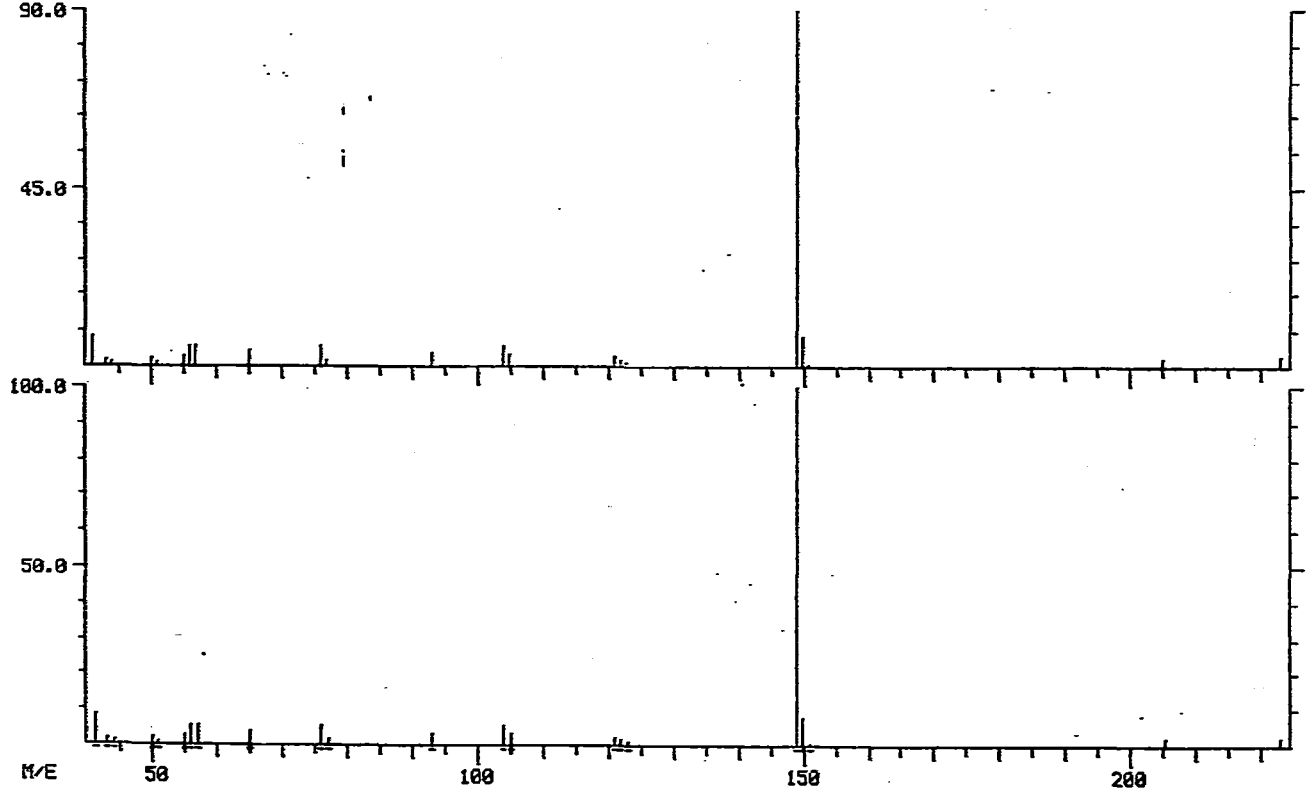

MEAD CONPUCHEM
DUAL MASS SPECTRUM
02/03/84 9:13:00 + 11:45
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N)
DATA: GJ019261A14 #940
BASE M/E: 43/ 43
RIC: 106239./ 106751.
98.9
49.4
28608.
100.0
50.0
28928.
M/E
50
60
70
80
90
100
110
120
130

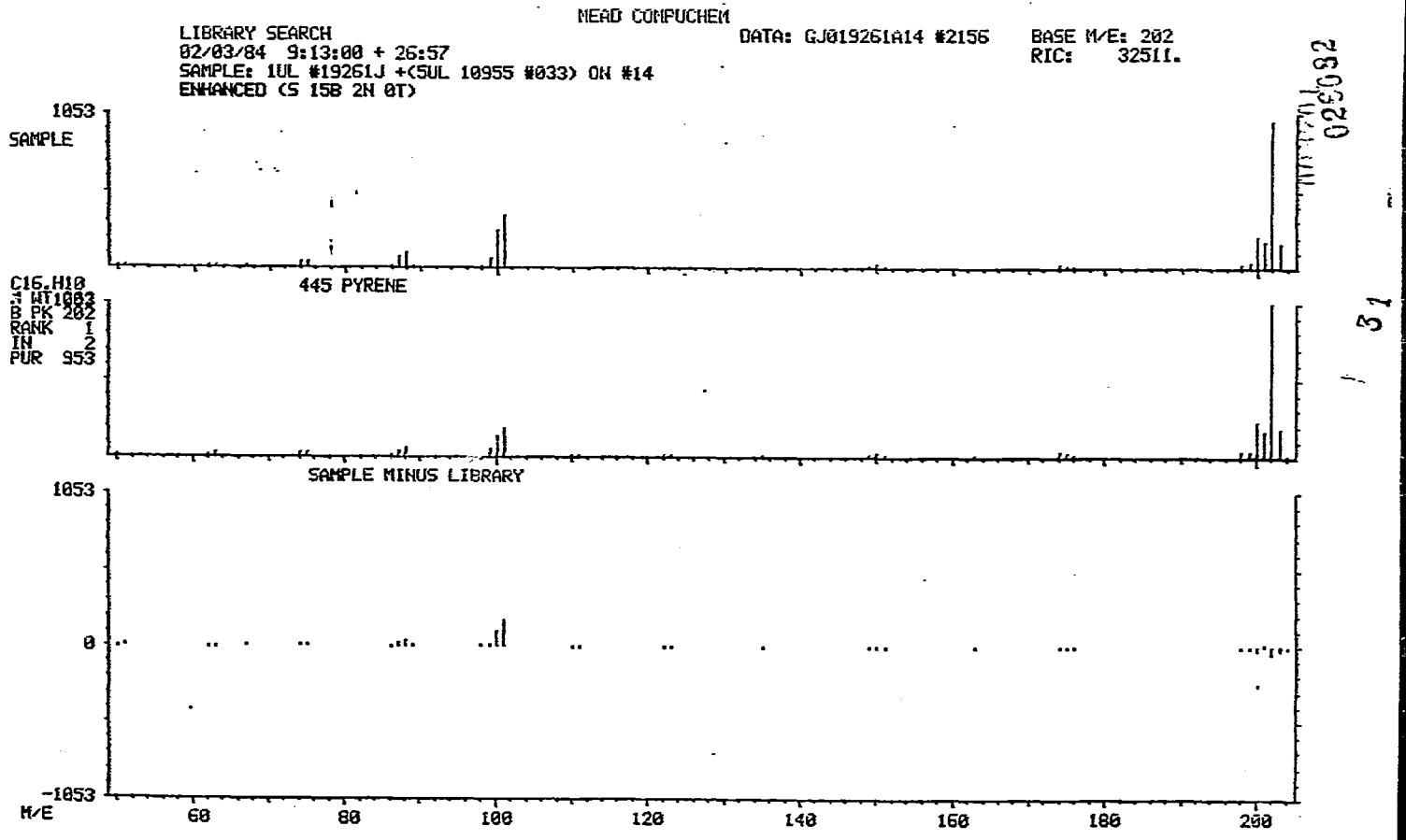

MEAD COMPUCHEM
LIBRARY SEARCH
02/03/84 9:13:00 + 25:01
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N 0T)
DATA: GJ019261A14 #2002
BASE M/E: 149
RIC: 28959.
1000
SAMPLE
C16.H22.04
426 DI-N-BUTYLPHTHALATE
A WT1000
B PK 149
RANK 1
IN 7
PUR 944
SAMPLE MINUS LIBRARY
1000
0
-1000
M/E
50
100
150
200
250

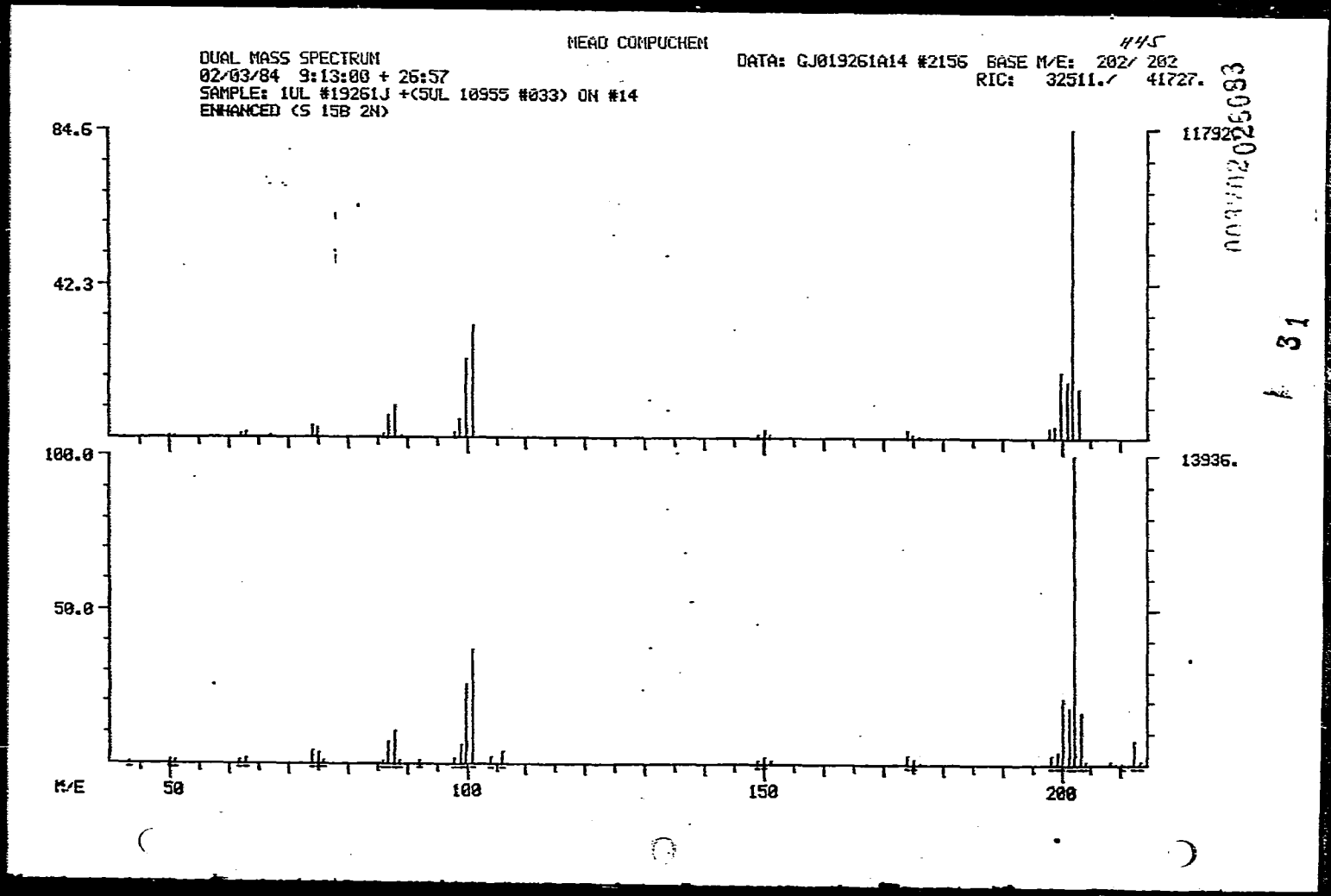
MEAD COMPUCHEM

DUAL MASS SPECTRUM
02/03/84 9:13:00 + 25:01
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N)

DATA: GJ019261A14 #2002 BASE M/E: 149/ 149
RIC: 28959./ 31647.




MEAD COMPUCHEM
LIBRARY SEARCH
02/03/84 9:13:00 + 26:57
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N 0T)
DATA: GJ019261A14 #2156
BASE M/E: 202
RIC: 32511.
1053
SAMPLE
C16.H10
.1 WT1003
B PK 202
RANK 1
IN 2
PUR 953
445 PYRENE
SAMPLE MINUS LIBRARY
1053
0
-1053
M/E
60
80
100
120
140
160
180
200

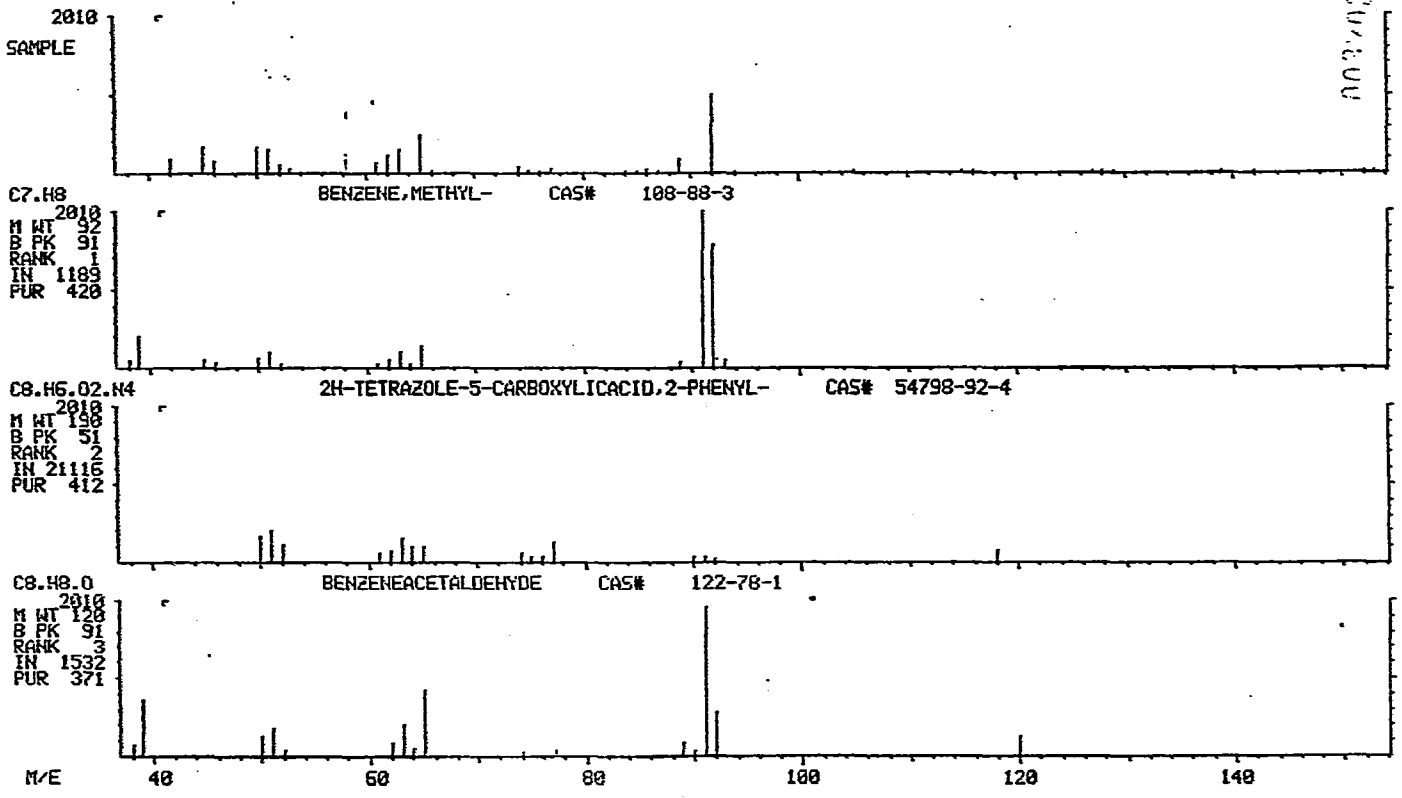

MEAD COMPUCHEM
DUAL MASS SPECTRUM
02/03/84 9:13:00 + 26:57
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N)
DATA: GJ019261A14 #2156 BASE M/E: 202/ 202
RIC: 32511./ 41727.
84.6
42.3
100.0
50.0
M/E
50
100
150
200
1179226.
13936.

MEAD COMPUCHEM

LIBRARY SEARCH
02/03/84 9:13:00 + 5:10
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N 0T)

DATA: GJ019261A14 # 414
BASE M/E: 92
RIC: 1067000.

025084

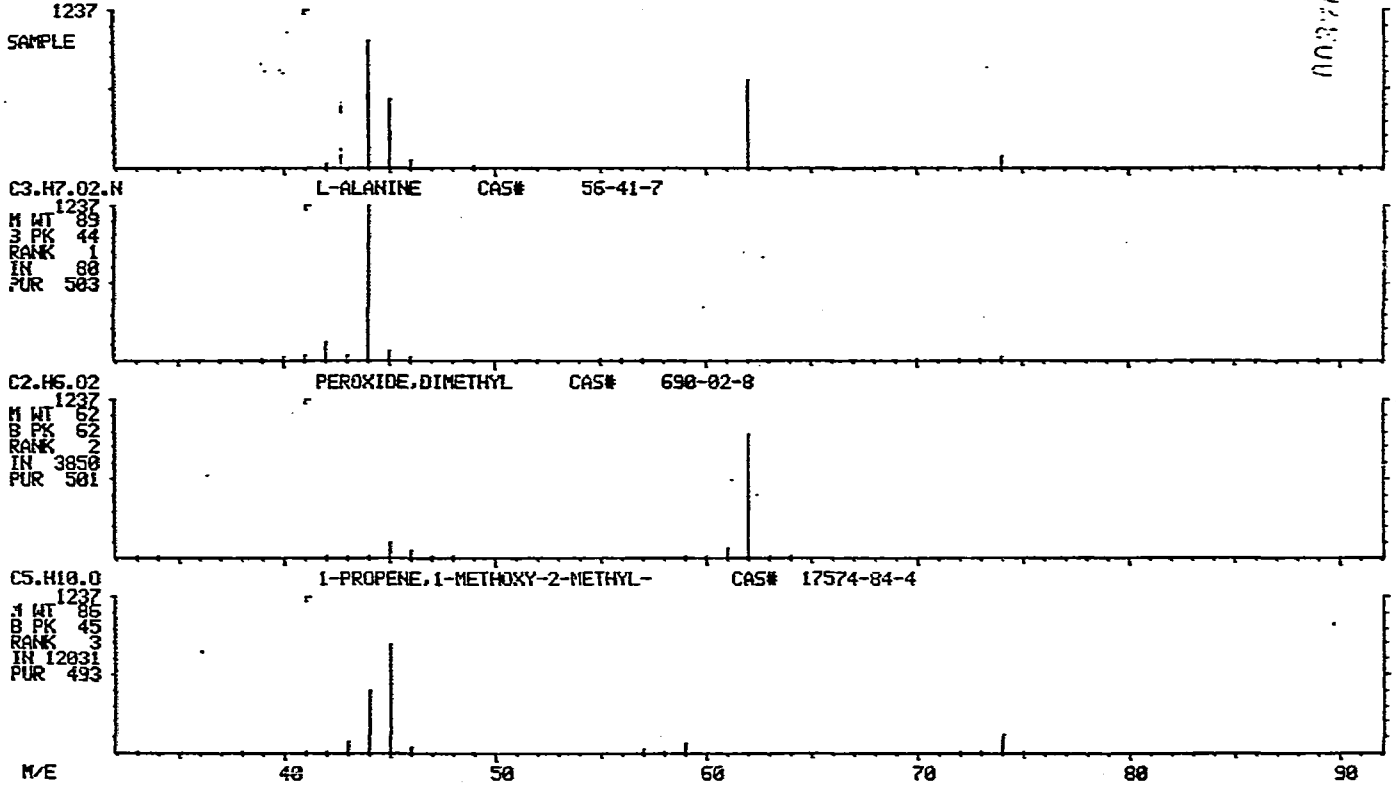


31

MEAD COMPUCHEM

LIBRARY SEARCH
02/03/84 9:13:00 + 6:36
SAMPLE: 1UL #19261J +(5UL 10955 #033) ON #14
ENHANCED (S 15B 2N 0T)

DATA: GJ019261A14 # 528
BASE M/E: 44
RIC: 12927.



023085

31

M

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

SAMPLE NUMBER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CompuChem
Lab Sample ID No: 19262
Sample Matrix: Solid
Data Release Authorized By:

Case Number 2333
QC Report No. 177/257 Sample Spike
Contract No.: 68-01-6762
Date Sample Received:

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples 19257, 19264 - 19270

Multiply Detection limits by 1 ☐ or ☐ ____
(Check Box for Appropriate Factor)

PP#	CAS#		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	50U
(3V)	107-13-1	acrylonitrile	50U
(4V)	71-43-2	benzene	2.5U
(6V)	56-23-5	carbon tetrachloride	2.5U
(7V)	108-90-7	chlorobenzene	2.5U
(10V)	107-06-2	1,2-dichloroethane	2.5U
(11V)	71-55-6	1,1,1-trichloroethane	2.5U
(0)	75-34-3	1,1-dichloroethane	2.5U
(14V)	79-00-5	1,1,2-trichloroethane	2.5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	2.5U
(16V)	75-00-3	chloroethane	2.5U
(19V)	110-75-8	2-chloroethylvinyl ether	2.5U
(23V)	67-66-3	chloroform	2.5U
(29V)	75-35-4	1,1-dichloroethene	2.5U
(30V)	156-60-5	1,2-trans-dichloroethene	2.5U
(32V)	78-87-5	1,2-dichloropropane	2.5U
(33V)	10061-02-6	trans-1,3-dichloropropene	2.5U
	10061-01-05	cis,1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	2.5U
(44V)	75-09-2	methylene chloride	2.5U
(45V)	74-87-3	chloromethane	2.5U
(46V)	74-83-9	bromomethane	2.5U
(47V)	75-25-2	bromoform	2.5U
(48V)	75-27-4	bromodichloromethane	2.5U
(49V)	75-69-4	fluorotrichloromethane	2.5U
(51V)	124-48-1	chlorodibromomethane	2.5U
(85V)	127-18-4	tetrachloroethene	2.5U
(86V)	108-88-3	toluene	2.5U
(87V)	79-01-6	trichloroethene	2.5U
(88V)	75-01-4	vinyl chloride	2.5U
	67-64-1	acetone	50U
	78-93-3	2-butanone	100U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	50U
	108-10-1	4-methyl-2-pentanone	50U
	100-42-5	styrene	2.5U
	108-05-4	vinyl acetate	5U
	95-47-6	o-xylene	2.5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 1-31-84
DATE ANALYZED: 2-2-84
PERCENT MOISTURE:
Associated samples

Multiply Detection limits by 1 ☒ or ☐ ____
(Check Box for Appropriate Factor)

PP#	CAS#			ug/l or ug/kg (circle one)	
(89P)	309-00-2	aldrin	96	4.0U	RW
(90P)	60-57-1	dieldrin	176	4.0U	RW
(91P)	57-74-9	chlordane		4.0U	
(92P)	50-29-3	4,4'-DDT	170	4.0U	RW
(93P)	72-55-9	4,4'-DDE		4.0U	
(94P)	72-54-8	4,4'-DDD		4.0U	
(95P)	115-29-7	endosulfan I		4.0U	
(96P)	115-29-7	endosulfan II		4.0U	
(97P)	1031-07-8	endosulfan sulfate		4.0U	
(98P)	72-20-8	endrin	104	4.0U	RW
(99P)	7421-93-4	endrin aldehyde		4.0U	
(100P)	76-44-8	heptachlor	98	4.0U	RW
(101P)	1024-57-3	heptachlor epoxide		4.0U	
(102P)	319-84-6	BHC-Alpha		4.0U	
(103P)	319-85-7	BHC-Beta		4.0U	
(104P)	319-86-8	BHC-Delta		4.0U	
(105P)	58-89-9	BHC-Gamma	98	4.0U	RW
(106P)	53469-21-9	PCB-1242		4.0U	
(107P)	11097-69-7	PCB-1254		4.0U	
(108P)	11104-28-2	PCB-1221		4.0U	
(109P)	11141-16-5	PCB-1232		4.0U	
(110P)	12672-29-6	PCB-1248		4.0U	
(111P)	11096-82-5	PCB-1260		4.0U	
(112P)	12674-11-2	PCB-1016		4.0U	
(113P)	8001-35-2	toxaphene		4.0U	

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples:

		ug/l or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin 0.16U

PESTICIDE LOW SOLID
ORGANICS ANALYSIS DATA SHEET - Page 3

Lab Name: Mead CompuChem

Lab Sample I.D. No. 19262- ☒ SS ☐ DS ☐ Blank

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/k)	(Surrogates only) Spike Added (ug/k)	(Surrogates only) % Recover.
Dibutyl chlorendate	PESTICIDE	12.5	25	50

002087
020083

QUALITY ASSURANCE NOTICE

The statements checked below apply to the pesticide fraction of sample #19262 19263. These statements apply to problems incurred with the quantitation of the surrogate, dibutyl chlorendate, or the spike compounds (QC samples only) flagged by an asterisk (*) on the compound list.

- ☐ No DBC recovery available due to a _____ dilution factor.
- ☐ No spike recovery available due to a _____ dilution factor.
- ☐ No spike recovery available due to severe matrix interference and/or the presence of high levels of PCBs which prevent quantitation of these compounds.
- ☐ No DBC recovery due to severe matrix interference.
- ☐ Variations between duplicate samples due to non-homogenous nature of soil sample.
- ☐ No DBC recovery due to _____ dilution factor on packed/capillary (circle) and matrix interference on packed/capillary columns (circle).
- ☒ Low (high) (circle) spike recoveries due to matrix interference.
- ☐ Additional Analyst/Quality Assurance Specialist comments:

Other spikes appear to be effected to some extent, also.

initials fgjs/

date 2-15-84

000703

020083

CF and SD
Cathy F and Susan D

EXTRACTION WORKSHEET
Pesticide/Herbicide

DATE ASSIGNED 1-30-84

ASSIGNED TO: [illegible]

PAGE [illegible] OF [illegible]

SAMPLE NUMBER	PREP CODE	CASE #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) B/N	ACID	PEST	TCDD	FLORISIL START VOL.	FINAL VOLUME I	II	III	COMB INIT*	FINAL **	COMPT. DATE	COMMENTS
19260 / 19262	[illegible]	2333	SS	H269	[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	CF SD
19261 / 19263	[illegible]	2333	SS	[illegible]	[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	CF SD
19257	[illegible]	2333			[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	
19264	[illegible]	2333			[illegible]	.5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	CF SD
19265	[illegible]	2333			[illegible]	.5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	
19266	[illegible]	2333			[illegible]	.5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	CF SD
19267	[illegible]	2333			[illegible]	.5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	CF SD
19268	[illegible]	2333			[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	
19269	[illegible]	2333			[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	CF SD
19317			B		[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-84	

		S-Vol	Acid	B/N	Pest.	TCDD	Other
SURROGATE	NO.	382			368	364	
	AMT.	~~230~~ 250µl			~~250~~ 200µl	~~200~~ 200µl	
	LOT	~~10823~~ [illegible]			[illegible]	[illegible]	
SPIKE	NO.		308	218	418		
	AMT.		1ml	1ml	1ml		
	LOT		10873	10870	10910		
INTERNAL STANDARD	NO.						
	AMT.						
	LOT						

AH

MANUAL COUNTER 136/338

* PER FRACTION

** TOTAL FINAL VOLUME 3140

LW 2-1-84

(2)

COMPUCHEM NO. 19260 DATE _____

IDENTIFIER PESTICIDES (LOW LEVEL-SOLID)

COMPOUND LIST - NO. _____

COUNTER	COMPUCHEM COMPOUND NUMBER	COMPOUND NAME	RESULT	DETECTION LIMIT (ug/kg)
1.	0701	ALDRIN	96	4.0
2.	0702	ALPHA-BHC		4.0
3.	0703	BETA-BHC		4.0
4.	0704	GAMMA-BHC	78	4.0
5.	0705	DELTA-BHC		4.0
6.	0706	CHLORDANE		4.0
7.	0707	4,4'-DDT	170*	4.0
8.	0708	4,4'-DDE		4.0
9.	0709	4,4'-DDD		4.0
10.	0710	DIELDRIN	76	4.0
11.	0711	ALPHA-ENDOSULFAN		4.0
12.	0712	BETA-ENDOSULFAN		4.0
13.	0713	ENDOSULFAN SULFATE		4.0
14.	0714	ENDRIN	104	4.0
15.	0715	ENDRIN ALDEHYDE		4.0
16.	0716	HEPTACHLOR	78	4.0
17.	0717	HEPTACHLOR EPOXIDE		4.0
18.	0718	PCB-1242		4.0
19.	0719	PCB-1254		4.0
20.	0720	PCB-1221		4.0
21.	0721	PCB-1232		4.0
22.	0722	PCB-1248		4.0
23.	0723	PCB-1260		4.0
24.	0724	PCB-1016		4.0
25.	0725	TOXAPHENE		4.0

COMPOUND NUMBER	SURROGATE COMPOUNDS	% RECOVERY WINDOW	QUANT. REPORT VALUE	CORRECTION FACTOR	RESULT	AMOUNT SPIKED	% RECOVERY
0738	DIBUTYL CHLORENDATE	(41-121)*	____	____	409	817	50

*Advisory Limit

CompuChem Number= 19762 CASL# 2333 EPA# 55

Volume or Weight extracted= .05 kilograms
Final Extract Volume= 5
Split= 4
Dilution Factor= 1
Dry Weight Factor= 1

The Calculation Equation is....

$$\text{Concentration} = \frac{\text{Sample Area} * \text{Std Conc} * \text{Dilution} * \text{Split} * \text{Final Vol}}{\text{Standard Area} * \text{Sample Volume or Weight} / \text{Dry Weight Factor}}$$

Data For Compound GAMMA BHC
Sample Area = 6800
Standard Area = 14000
Standard Concentration = .4
Concentration of GAMMA BHC is 77.7143 ug/kg

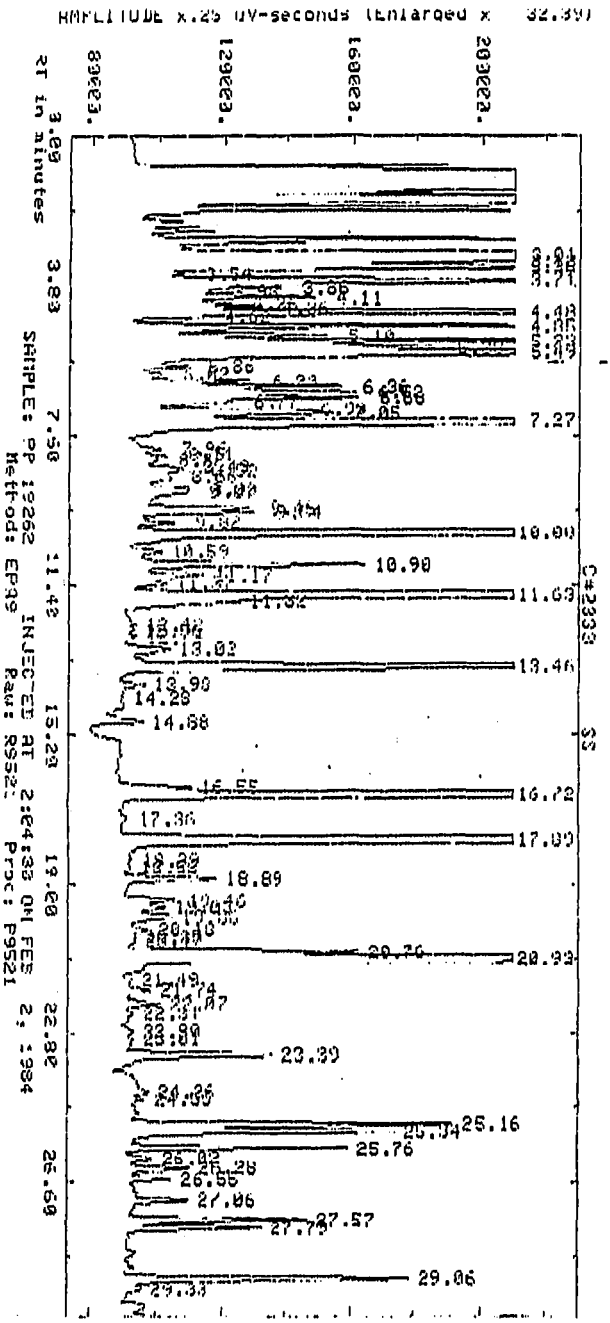
Data For Compound HEPTACHLOR
Sample Area = 8800
Standard Area = 10000
Standard Concentration = .4
Concentration of HEPTACHLOR is 70.2222 ug/kg

Data For Compound ALDRIN
Sample Area = 8400
Standard Area = 14000
Standard Concentration = .4
Concentration of ALDRIN is 96 ug/kg

Data For Compound DIELDRIN
Sample Area = 6200
Standard Area = 13000
Standard Concentration = .4
Concentration of DIELDRIN is 76.3077 ug/kg

Data For Compound ENDRIN
Sample Area = 6500
Standard Area = 10000
Standard Concentration = .4
Concentration of ENDRIN is 104 ug/kg

Data For Compound DDT
Sample Area = 6400
Standard Area = 6000
Standard Concentration = .4
Concentration of DDT is 170.667 ug/kg


AMPLITUDE x.25 uV-seconds (enlarged x 32.39)
.220602
.220603
.220603
.220603
RT in minutes
3.83
7.50
11.43
15.25
19.10
22.92
26.69
SAMPLE: pp 0262
Method: EPA 836
INJECTED AT 2:24:32 ON FEB 1
Proc: FEB21
Run: RSS2
7.27
10.00
10.90
11.03
13.46
16.72
17.00
18.89
20.93
23.39
25.16
25.76
26.55
27.06
27.57
29.06

Report: 7176.00 Channel: 9 [illegible] SS

Sample: PP 19262 Injected at 2:04:30 ON FRI 2, 1988

LSTD Method: FPAV Seq: SEQ95 Subsq/Samp: 1/21 Rti: 21

SI Width	MV/Min	Delay	Min Ar	Bunch
.250	3.000	3.00	32767	

Sup-Unk	Dvl	ID Lvl	Ref Rtw	%RTW	%Dil F	ISO
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 30.004 minutes

Ended not on baseline

RT	ITM	Factor	Area	AREA %	Name
3.01	11.25	.100000E+01	0.	SD 0.000	
3.10	12.23	.100000E+01	548103.	SH 548103.250	
3.36	13.35	.100000E+01	467415.	SH 467415.250	
3.54	14.06	.100000E+01	1447.	SH (1447.625	
3.71	14.74	.100000E+01	1020260.	SH1020260.200	
3.86	15.34	.100000E+01	150530.	SH 150530.000	
3.90	15.80	.100000E+01	41160.	SH 41160.875	
4.11	16.34	.100000E+01	271772.	SH 271772.500	
4.26	16.23	.100000E+01	27115.	SH 27114.875	
4.36	17.31	.100000E+01	120220.	SH 120219.870	
4.40	17.80	.100000E+01	1280032.	SH1280012.200	
4.62	18.37	.100000E+01	39924.	SH 39924.000	
4.85	17.25	.100000E+01	600700.	SH 600699.750	
5.10	20.20	.100000E+01	299012.	SH 299012.370	
5.23	20.70	.100000E+01	660534.	SH 660534.120	
5.30	21.37	.100000E+01	522170.	SH 522170.130	
5.42	21.02	.100000E+01	5104672.	SH5104672.000	
5.86	23.20	.100000E+01	89526.	SH 89525.750	
6.02	23.73	.453928E-07	67436.	SH .003	ALPHA BHC
6.23	24.70	.100000E+01	299170.	SH 299169.870	
6.36	25.26	.100000E+01	345303.	SH 345303.000	
6.52	25.91	.100000E+01	643573.	SH 643573.000	
6.60	26.54	.100000E+01	377322.	SH 377322.250	
6.77	26.91	.100000E+01	103404.	SH 103404.500	
6.92	27.76	.100000E+01	206923.	SH 206923.070	
7.05	28.03	.100000E+01	403045.	SH 403045.500	
7.27	28.71	.100000E+01	6849174.	SH6849174.000	
7.96	31.63	.411011E-07	01093.	SH .003	DELTA BHC
8.11	32.23	.100000E+01	74206.	SH 74206.125	
8.22	32.65	.100000E+01	63353.	SH 63353.250	
8.43	33.51	.100000E+01	23872.	SH 23872.125	
8.58	33.07	.100000E+01	120497.	SH 120497.620	
8.66	34.41	.100000E+01	31464.	SH 31463.750	
8.99	35.74	.100000E+01	74500.	SH 74500.250	
9.07	36.04	.100000E+01	107643.	SH 107643.500	
9.45	37.54	.100000E+01	172027.	SH 172026.620	
9.54	37.92	.100000E+01	107101.	SH 107100.620	
9.62	39.02	.100000E+01	53251.	SH 53251.000	
10.00	40.05	.100000E+01	8847780.	SH8847780.000	
10.57	42.09	.100000E+01	85262.	SH 85262.000	
10.70	43.33	.100000E+01	526840.	SH 526840.250	
11.17	44.39	.100000E+01	195544.	SH 195544.000	
11.37	45.17	.172156E-07	70303.	SH .002	ALDRIN
11.64	46.24	.100000E+01	8377144.	SH8377144.000	
11.82	46.98	.100000E+01	287113.	SH 287113.000	
12.42	49.35	.100000E+01	30661.	SH 30661.500	
12.56	49.91	.100000E+01	18546.	SH 18545.875	
12.74	50.62	.100000E+01	18550.	SH 18557.500	
13.02	51.74	.100000E+01	137727.	SH 137727.250	
13.46	53.47	.100000E+01	1709963.	SH1709963.000	
13.98	55.54	.100000E+01	54140.	SH 54140.250	
14.26	56.73	.100000E+01	3097.	SH 3096.750	
14.08	57.13	.100000E+01	101663.	SH 101662.500	
16.55	65.77	.100000E+01	131546.	SH 131546.500	
16.72	66.45	.100000E+01	6194024.	SH6194024.000	
17.36	68.90	.100000E+01	32371.	SH 32371.500	
17.89	71.11	.100000E+01	6536671.	SH6536671.000	

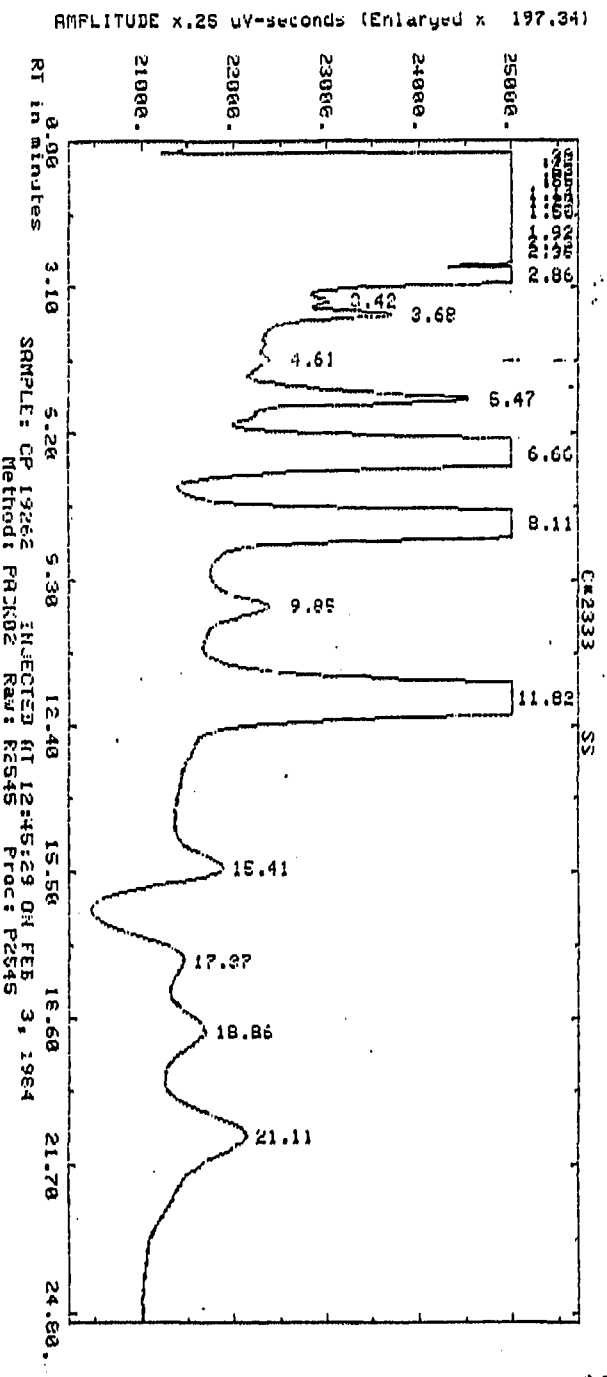
003713

029094

18.39	74.08	.45019E-07	33041.	SH	.002		FF'DDD
18.50	73.82	.10000E+01	29664.	SH	29664.000		
18.69	75.07	.10000E+01	235966.	SH	235966.500		
19.46	77.33	.10000E+01	137808.	SH	137807.750		
19.63	78.00	.10000E+01	117909.	SH	117909.250		
19.86	78.90	.10000E+01	153635.	SH	153635.750		
20.18	80.19	.10000E+01	31680.	SH	31680.250		
20.35	80.87	.10000E+01	25913.	SH	25912.750		
20.47	81.34	.40618E-07	38836.	SH	.002		FF'DDD
20.76	82.47	.10000E+01	467391.	SH	467391.250		
20.93	83.17	.10000E+01	0.	SH	0.000		
20.93	83.17	.10000E+01	6357564.	SH	6357564.000		
21.49	85.39	.10000E+01	25135.	SH	25134.750		
21.74	86.40	.10000E+01	78307.	SH	78306.750		
22.07	87.69	.10000E+01	87561.	SH	87561.250		
22.31	88.66	.10000E+01	53605.	SH	53605.000		
22.80	90.62	.10000E+01	34762.	SH	34762.000		
23.01	91.44	.10000E+01	10416.	SH	10416.500		
22.39	92.94	.10000E+01	349904.	SH	349904.000		
24.36	96.81	.10000E+01	247311.	SH	247311.500		
24.55	97.56	.10000E+01	72519.	SH	72519.250		
25.16100.	00	.11076E-05	702074.	SH	.779		+00C
25.24100.	60	.10000E+01	598716.	SH	598716.500		
25.76102.	65	.10000E+01	409311.	SH	409311.000		
26.02103.	41	.10000E+01	56033.	SH	56032.750		
26.28104.	44	.10000E+01	123901.	SH	123901.500		
26.55105.	51	.10000E+01	71058.	SH	71058.000		
27.06107.	54	.10000E+01	109660.	SH	109660.500		
27.57109.	56	.10000E+01	344037.	SH	344036.750		
27.72110.	43	.10000E+01	250171.	SH	250170.750		
29.06115.	47	.10000E+01	614058.	SH	614058.500		
29.33116.	56	.10000E+01	66611.	SH	66611.500		

Total Area = 66739596. Total AREA % = 66611.500

Processed data file: P9521 Raw data file: N9521


AMPLITUDE x.25 uV-seconds (Enlarged x 197.34)
21000.
22000.
23000.
24000.
25000.
RT in minutes
0.00
3.10
5.20
7.30
12.40
15.50
18.60
21.70
24.80
2.86
3.68
4.61
5.47
6.60
8.11
9.85
11.82
15.41
17.37
18.86
21.11
C#2333
SS
SAMPLE: CP 19262
Method: PRCR02 Raw: R2545 Proc: P2545
INJECTED AT 12:45:29 ON FEB 3, 1984

Report: 3188.00 Channel: 2 C#2333 SS

Sample: CP 19262 Injected at 12:45:29 ON FEB 3, 1984

ESTD Method: PACK02 Seq: SEQ25 Subsq/Samp: 1/45 Btl: 45

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	20	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 25.017 minutes

Ended not on baseline

RT	ITM	Factor	Area		UG/ML	Name
.33	1.57	.10000E+01	155872.	BB	155872.030	
.43	2.02	.10000E+01	867150.	BB	867150.000	
.63	2.96	.10000E+01	317212.	BB	317212.370	
.73	3.48	.10000E+01	34938.	BB	34937.656	
.85	4.05	.10000E+01	27956.	BB	27956.375	
1.14	5.38	.10000E+01	10523.	BB	10522.813	
1.29	6.09	.10000E+01	2751.	BB	2750.641	
1.50	7.08	.13555E-05	170171.	BB	.231	ALPHA BHC
1.92	9.08	.82150E-06	162731.	BB	.134	GAMMA BHC
2.13	10.11	.10000E+01	1768.	BB	1768.266	
2.36	11.17	.85432E-06	220565.	BB	.188	HEPTACHLOR
2.86	13.54	.84499E-06	228664.	BB	.193	ALDRIN
3.42	16.18	.10000E+01	686.	BB	686.094	
3.68	17.44	.10000E+01	2378.	BB	2377.500	
4.61	21.86	.10000E+01	960.	BB	960.250	
5.47	25.89	.10765E-05	23616.	BB	.025	ENDOSULFAN I
6.66	31.54	.82514E-06	283465.	BB	.234	DIELDRIN
8.11	38.44	.10660E-05	247238.	BB	.264	ENDRIN
9.85	46.66	.98147E-06	10387.	BB	.010	ENDOSULFAN II
11.82	55.98	.14839E-05	212339.	BB	.315	PP'DDT
15.41	72.98	.10000E+01	21924.	BB	21924.250	
17.37	82.31	.10000E+01	12211.	BB	12211.500	
18.86	89.37	.10000E+01	9697.	BB	9697.000	
21.11	100.00	.17118E-06	37570.	BB	.006	*DBC

Total Area = 3062772. Total UG/ML = 37570.000

Processed data file: P2545 Raw data file: R2545

N

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

SAMPLE NUMBER

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CompuChem
Lab Sample ID No: 19268
Sample Matrix: Solid
Data Release Authorized By:

Case Number 2333
QC Report No. 177/257 Duplicate Sample Spike
Contract No.: 68-01-6762
Date Sample Received:

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples 19257, 19264-70

Multiply Detection Limits by 1 ☐ or ☐
(Check Box for Appropriate Factor)

FF#	CAS#		ug/l or ug/kg (circle one)
(2V)	107-02-8	acrolein	50U
(3V)	107-13-1	acrylonitrile	50U
(4V)	71-43-2	benzene	2.5U
(6V)	56-23-5	carbon tetrachloride	2.5U
(7V)	108-90-7	chlorobenzene	2.5U
(8V)	107-06-2	1,2-dichloroethane	2.5U
(9V)	71-55-6	1,1,1-trichloroethane	2.5U
(10V)	75-34-3	1,1-dichloroethane	2.5U
(11V)	79-00-5	1,1,2-trichloroethane	2.5U
(12V)	79-34-5	1,1,2,2-tetrachloroethane	2.5U
(13V)	75-00-3	chloroethane	2.5U
(14V)	110-75-8	2-chloroethylvinyl ether	2.5U
(23V)	67-66-3	chloroform	2.5U
(29V)	75-35-4	1,1-dichloroethene	2.5U
(30V)	156-60-5	1,2-trans-dichloroethene	2.5U
(32V)	78-87-5	1,2-dichloropropane	2.5U
(33V)	10061-02-6	trans-1,3-dichloropropene	2.5U
	10061-01-05	cis-1,3-dichloropropene	5U
(36V)	100-41-4	ethylbenzene	2.5U
(44V)	75-09-2	methylene chloride	2.5U
(45V)	74-87-3	chloromethane	2.5U
(46V)	74-83-9	bromomethane	2.5U
(47V)	75-25-2	bromoform	2.5U
(48V)	75-27-4	bromodichloromethane	2.5U
(49V)	75-69-4	fluorotrichloromethane	2.5U
(51V)	124-48-1	chlorodibromomethane	2.5U
(85V)	127-18-4	tetrachloroethene	2.5U
(86V)	108-88-3	toluene	2.5U
(87V)	79-01-6	trichloroethene	2.5U
(88V)	75-01-4	vinyl chloride	2.5U
	67-64-1	acetone	50U
	78-93-3	2-butanone	100U
	75-15-0	carbondisulfide	5U
	519-78-6	2-hexanone	50U
	108-10-1	4-methyl-2-pentanone	50U
	100-42-5	styrene	2.5U
	108-05-4	vinyl acetate	5U
	95-47-6	o-xylene	2.5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 1-31-84
DATE ANALYZED: 2-2-84
PERCENT MOISTURE:
Associated samples

Multiply Detection Limits by 1 ☒ or ☐
(Check Box for Appropriate Factor)

FF#	CAS#		ug/l or ug/kg (circle one)
(89P)	309-00-2	aldrin	4.0U
(90P)	60-57-1	dieldrin	4.0U
(91P)	57-74-9	chlordane	4.0U
(92P)	50-29-3	4,4'-DDT	4.0U
(93P)	72-55-9	4,4'-DDE	4.0U
(94P)	72-54-8	4,4'-DDD	4.0U
(95P)	115-29-7	endosulfan I	4.0U
(96P)	115-29-7	endosulfan II	4.0U
(97P)	1031-07-8	endosulfan sulfate	4.0U
(98P)	72-20-8	endrin	4.0U
(99P)	7421-43-4	endrin aldehyde	4.0U
(100P)	76-44-8	heptachlor	4.0U
(101P)	1024-57-3	heptachlor epoxide	4.0U
(102P)	319-84-6	BHC-Alpha	4.0U
(103P)	319-85-7	BHC-Beta	4.0U
(104P)	319-86-8	BHC-Delta	4.0U
(105P)	58-89-9	BHC-Gamma	4.0U
(106P)	53469-21-9	PCB-1242	4.0U
(107P)	11097-69-1	PCB-1254	4.0U
(108P)	11104-28-2	PCB-1221	4.0U
(109P)	11141-16-5	PCB-1232	4.0U
(110P)	12672-29-6	PCB-1248	4.0U
(111P)	11096-82-5	PCB-1260	4.0U
(112P)	12674-11-2	PCB-1016	4.0U
(113P)	8001-35-2	toxaphene	4.0U

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle)
DATE EXTRACTED/PREPARED:
DATE ANALYZED:
PERCENT MOISTURE:
Associated samples:

		ug/l or ug/kg (circle one)
(129B) 1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.16U

July, 1983

PESTICIDE LOW SOLID
ORGANICS ANALYSIS DATA SHEET - Page 3

Lab Name: Mead CompuChem

Lab Sample I.D. No. 19263 ☐ SS ☒ DS ☐ Blank

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/kg)	(Surrogates only) Spike Added (ug/kg)	% Recovery
Dibutyl chlorendate	PESTICIDE	9.75	25	39

00[illegible]
02[illegible]

CF and SD
Cathy F and Susan D

EXTRACTION WORKSHEET
Pesticide/Herbicide

DATE ASSIGNED 1-30-86

ASSIGNED TO: [illegible]

PAGE 1 OF 2

SAMPLE NUMBER	PREP CODE	CASE #	QC SAMPLE TYPE	QC SAMPLE ORIG. NO.	SAMPLE WEIGHT (g) VOLUME (ml)	FINAL EXTRACT VOL. (MLS) B/N	ACID	PEST	TCDD	FLORISIL START VOL	FINAL VOLUME I	II	III	COMB INIT*	FINAL **	COMPT. DATE	COMMENTS
19260 / 19262	[illegible]	2333	SS	H269	[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-86	CF SD
19261 / 19263	[illegible]	2333	SS	[illegible]	[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-86	CF SD
19257	[illegible]	2333			[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-86	
19264	[illegible]	2333			[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-86	CF SD
19265	[illegible]	2333			[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-86	
19266	[illegible]	2333			[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-86	CF SD
19267	[illegible]	2333			[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-86	CF SD
19268	[illegible]	2333			[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-86	
19269	[illegible]	2333			[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-86	CF SD
19317			B		[illegible]	5	1	5	5	5ml	5ml	5ml	5ml	3ml	1ml	1-31-86	

		S-Val	Acid	B/N	Pest.	TCDD	Other
SURROGATE	NO.	382			3605	3605	
	AMT.	250ul			250ul	200 ul	
	LOT	[illegible]			[illegible]	[illegible]	
SPIKE	NO.		3008	2018	4019		
	AMT.		1ml	1ml	1ml		
	LOT		[illegible]	[illegible]	[illegible]		
INTERNAL STANDARD	NO.						
	AMT.						
	LOT						

MANUAL COUNTER 136/338

* PER FRACTION

** TOTAL FINAL VOLUME

NO. 3140

LW 2-1-86

(2)

COMPUCHEM NO. 19263 DATE _____

IDENTIFIER PESTICIDES (LOW LEVEL-SOLID)

COMPOUND LIST - NO. _____

COUNTER	COMPUCHEM COMPOUND NUMBER	COMPOUND NAME	RESULT	DETECTION LIMIT (ug/kg)
1.	0701	ALDRIN	90	4.0
2.	0702	ALPHA-BHC		4.0
3.	0703	BETA-BHC		4.0
4.	0704	GAMMA-BHC	3/	4.0
5.	0705	DELTA-BHC		4.0
6.	0706	CHLORDANE		4.0
7.	0707	4,4'-DDT	104 *	4.0
8.	0708	4,4'-DDE		4.0
9.	0709	4,4'-DDD		4.0
10.	0710	DIELDRIN	68	4.0
11.	0711	ALPHA-ENDOSULFAN		4.0
12.	0712	BETA-ENDOSULFAN		4.0
13.	0713	ENDOSULFAN SULFATE		4.0
14.	0714	ENDRIN	102	4.0
15.	0715	ENDRIN ALDEHYDE		4.0
16.	0716	HEPTACHLOR	74	4.0
17.	0717	HEPTACHLOR EPOXIDE		4.0
18.	0718	PCB-1242		4.0
19.	0719	PCB-1254		4.0
20.	0720	PCB-1221		4.0
21.	0721	PCB-1232		4.0
22.	0722	PCB-1248		4.0
23.	0723	PCB-1260		4.0
24.	0724	PCB-1016		4.0
25.	0725	TOXAPHENE		4.0

COMPOUND NUMBER	SURROGATE COMPOUNDS	% RECOVERY WINDOW	QUANT. REPORT VALUE	CORRECTION FACTOR	RESULT	AMOUNT SPIKED	% RECOVERY
0738	DIBUTYL CHLORENDATE (41-121)*				319	817	39

*Advisory Limit

026102

CompuChem Number= 19263 CAUL# 2333 LPA# 88

Volume or weight extracted= .05 kilograms
Final Extract Volume= 5
Split= 4
Dilution Factor= 1
Dry Weight Factor= 1

The Calculation Equation is....

$$\text{Concentration} = \frac{\text{Sample Area}}{\text{Standard Area}} * \text{Std Conc} * \text{Dilution} * \text{Split} * \text{Final Vol} \;/\; \text{Sample Volume or Weight} / \text{Dry Weight Factor}$$

Data For Compound GAMMA BHC
Sample Area = 2700
Standard Area = 14000
Standard Concentration = .4
Concentration of GAMMA BHC is 30.0571 ug/kg

Data For Compound HEPTACHLOR
Sample Area = 6300
Standard Area = 18000
Standard Concentration = .4
Concentration of HEPTACHLOR is 73.2770 ug/kg

Data For Compound ALDRIN
Sample Area = 7900
Standard Area = 14000
Standard Concentration = .4
Concentration of ALDRIN is 90.2857 ug/kg

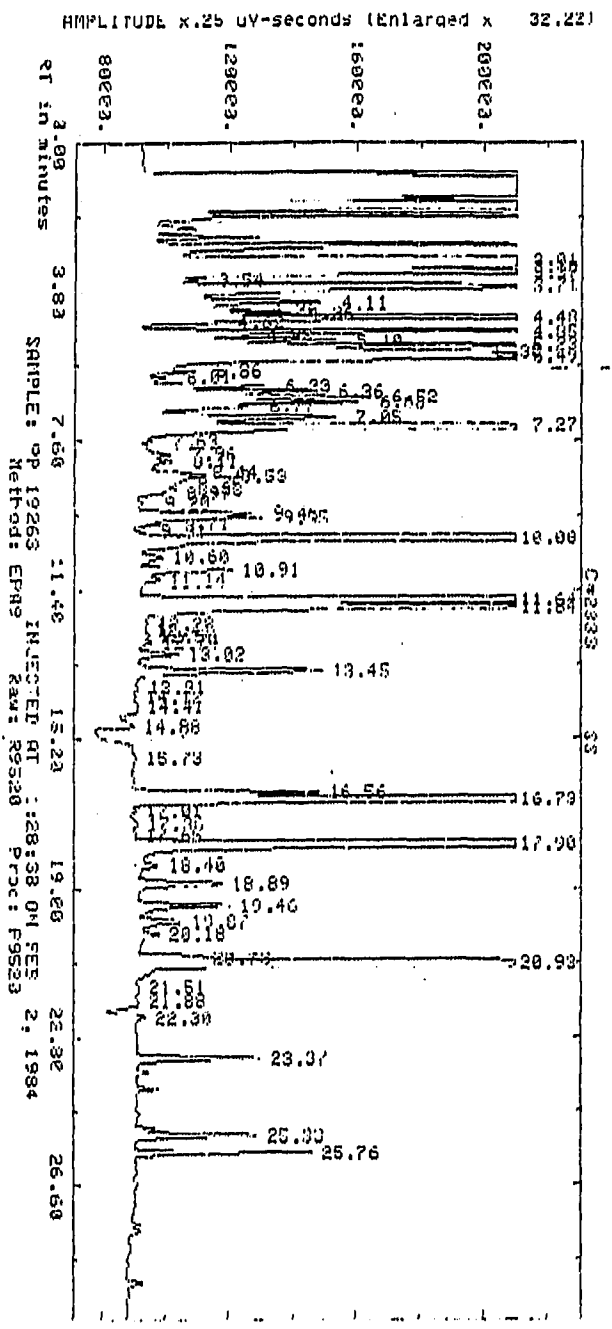
Data For Compound DIELDRIN
Sample Area = 5500
Standard Area = 13000
Standard Concentration = .4
Concentration of DIELDRIN is 67.6923 ug/kg

Data For Compound ENDRIN
Sample Area = 6400
Standard Area = 10000
Standard Concentration = .4
Concentration of ENDRIN is 102.4 ug/kg

Data For Compound DDT
Sample Area = 3700
Standard Area = 6000
Standard Concentration = .4
Concentration of DDT is 104 ug/kg

028103

003792



020104

003723

16.73	66.04	.10000E+01	5490795.	SH	5490795.000	
17.01	67.10	.10000E+01	7325.	SH	7324.625	
17.36	68.57	.10000E+01	25657.	SH	25656.750	
17.65	69.70	.24533E-07	10460.	SH	.000	ENDRIN
17.90	70.67	.10000E+01	6363839.	SH	6363839.000	
18.40	72.67	.10000E+01	77877.	SH	77877.000	
18.89	74.59	.10000E+01	242644.	SH	242644.000	
19.46	76.86	.10000E+01	266194.	SH	266194.500	
19.07	78.44	.10000E+01	137411.	SH	137411.250	
20.10	79.60	.10000E+01	0.	SH	0.000	
20.18	79.68	.10000E+01	2050875.	SH	2050875.500	
20.78	82.04	.10000E+01	76077.	SH	76077.250	
20.93	82.66	.10000E+01	5933407.	SH	5933407.000	
21.51	84.92	.10000E+01	12177.	SH	12177.500	
21.88	86.41	.10000E+01	63903.	SH	63902.750	
22.30	88.04	.10000E+01	104563.	SH	104562.500	
23.37	92.26	.10000E+01	249703.	SH	249703.000	
25.33	100.00	.11076E-05	242982.	SV	.270	#DBC
25.76	101.73	.10000E+01	319055.	SH	319055.500	

Total Area = 60531696. Total AREA % = 319055.500

Processed data file: P95Z0 Raw data file: R95Z0

029105

Report: 7175.00 Channel: 9 C#P333 SS

Sample: PP 19263 Injected at 1:20:30 ON FEB 2, 1984

ESTD Method: EPAV Seq: SLW95 Subsq/Samp: 1/20 Rtl: 20

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.250	3.000	3.00	32767	

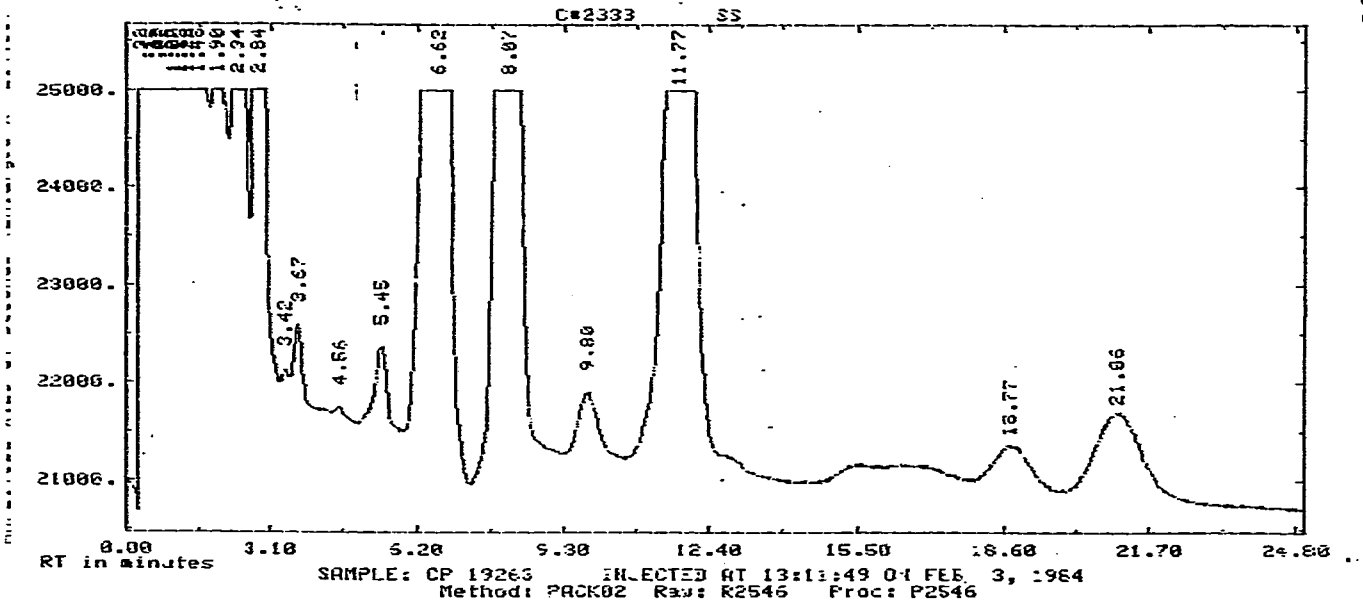
Sup Unk	Dvl	ID-Lvl	Ref-RIW	%RIW	%Dil-F	Iso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 30.004 minutes

Ended not on baseline

RT	ITM	Factor	Area	AREA %	Name
3.01	11.07	.100000E+01	0. SB	0.000	
3.10	12.56	.100000E+01	742773. SH	742772.750	
3.37	13.29	.100000E+01	490543. SH	490543.000	
3.54	13.97	.100000E+01	9349. SH	9340.750	
3.71	14.63	.100000E+01	1266820. SH	1266820.500	
4.11	16.21	.100000E+01	321403. SH	321403.500	
4.26	16.82	.100000E+01	89651. SH	89650.875	
4.36	17.20	.100000E+01	149906. SH	149906.500	
4.40	17.67	.100000E+01	1321853. SH	1321852.700	
4.62	18.25	.100000E+01	43902. SH	43902.875	
4.85	17.13	.100000E+01	728580. SH	728579.750	
4.90	19.65	.100000E+01	123457. SH	123457.000	
5.10	20.15	.100000E+01	300540. SH	300540.000	
5.23	20.65	.100000E+01	644600. SH	644600.120	
5.38	21.24	.100000E+01	565614. SH	565614.120	
5.49	21.69	.100000E+01	7372841. BV	7372841.000	
5.86	23.12	.100000E+01	71417. SH	71417.250	
6.01	23.72	.100000E+01	51504. SH	51504.125	
6.23	24.60	.100000E+01	240151. SH	240151.000	
6.36	25.11	.100000E+01	255230. SH	255230.000	
6.52	25.75	.100000E+01	631172. SH	631171.750	
6.60	26.37	.100000E+01	367024. SH	367024.370	
6.77	26.75	.100000E+01	202226. SH	202226.250	
7.05	27.85	.100000E+01	542946. SH	542946.500	
7.27	28.72	.100000E+01	2743069. SH	2743069.000	
7.63	30.13	.100000E+01	15274. SH	15273.875	
7.96	31.43	.411018E-07	04704. SH	.003	DELTA BHC
8.11	32.03	.100000E+01	99932. SH	99932.250	
8.44	33.33	.100000E+01	86970. SH	86970.000	
8.53	33.66	.100000E+01	240332. SH	240332.750	
8.75	34.54	.100000E+01	54472. SH	54470.562	
8.86	34.97	.100000E+01	60242. SH	60242.000	
8.97	35.42	.100000E+01	34327. SH	34327.125	
9.20	36.33	.100000E+01	12100. SH	12100.250	
9.45	37.32	.100000E+01	193676. SH	193676.120	
9.55	37.69	.100000E+01	229604. SH	229603.870	
9.71	38.33	.100000E+01	46223. SH	46222.500	
9.91	39.14	.267696E-07	5021. SH	.000	HEPTACHLOR
10.00	39.80	.100000E+01	8347606. SH	8347606.000	
10.60	41.85	.100000E+01	109041. SH	109038.750	
10.71	43.00	.100000E+01	218178. SH	218178.000	
11.14	43.99	.100000E+01	0. SH	0.000	
11.14	43.99	.100000E+01	1600307. SH	1600307.000	
11.64	45.96	.100000E+01	7071755. SH	7071755.000	
11.84	46.75	.100000E+01	1122437. SH	1122437.000	
12.20	48.47	.100000E+01	10770. SH	10769.875	
12.41	49.02	.100000E+01	13365. SH	13364.625	
12.57	49.63	.100000E+01	24126. SH	24126.000	
12.74	50.29	.100000E+01	23317. SH	23317.250	
13.02	51.41	.100000E+01	06577. SH	06577.000	
13.45	53.12	.100000E+01	438715. SH	438715.000	
13.91	54.94	.100000E+01	7618. SH	7618.000	
14.12	55.77	.100000E+01	2437. SH	2437.000	
14.41	56.89	.100000E+01	5125. SH	5124.500	
14.80	58.74	.100000E+01	23383. SB	23383.250	
15.73	62.13	.100000E+01	125445. BV	125445.000	
16.56	65.39	.100000E+01	345737. SH	345737.500	

026106


C#2333 SS
1.90
2.24
2.84
3.42
3.67
4.66
5.45
6.62
8.07
9.80
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21.06
25000.
24000.
23000.
22000.
21000.
0.00
3.10
6.20
9.30
12.40
15.50
18.60
21.70
24.80
RT in minutes
SAMPLE: CP 19263 INJECTED AT 13:11:49 ON FEB 3, 1984
Method: PACK02 Raw: R2546 Proc: P2546

025107

31

Report: 3189.00 Channel: 2 C#2333 SS

Sample: CP 19263 Injected at 13:11:49 ON FEB 3, 1984

ESTD Method: PACK02 Seq: SEQ25 Subsq/Samp: 1/46 Rtl: 46

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	20	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 25.008 minutes

RT	ITM	Factor	Area		UG/ML	Name
.32	1.54	.10000E+01	164795.	SR	164794.810	
.42	1.99	.10000E+01	864678.	SR	864678.130	
.62	2.93	.10000E+01	330813.	SR	330812.810	
.72	3.44	.10000E+01	44251.	SR	44251.500	
.84	4.01	.10000E+01	27860.	SR	27859.719	
1.00	4.76	.10000E+01	90.	SR	90.141	
1.13	5.35	.10000E+01	11348.	SR	11347.937	
1.28	6.08	.10000E+01	1796.	SR	1796.484	
1.48	7.04	.13555E-05	234145.	SR	.317	ALPHA BHC
1.90	9.03	.82150E-06	77138.	SR	.063	GAMMA BHC
2.34	11.13	.85432E-06	212411.	SR	.181	HEPTACHLOR
2.84	13.49	.84499E-06	217658.	SR	.184	ALDRIN
3.42	16.22	.10000E+01	288.	SR	287.563	
3.67	17.44	.10000E+01	2671.	SR	2671.063	
4.56	21.68	.10000E+01	558.	SR	558.375	
5.45	25.86	.10765E-05	7288.	SR	.008	ENDOSULFAN I
6.62	31.44	.82514E-06	287247.	SR	.237	DIELDRIN
8.07	38.33	.10660E-05	248226.	SR	.265	ENDRIN
9.80	46.55	.10697E-05	9323.	SR	.010	PP'DDD
11.77	55.88	.14839E-05	188547.	SR	.280	PP'DDT
18.77	89.16	.10000E+01	9904.	SR	9904.500	
21.06	100.00	.17118E-06	27503.	SR	.005	*DBC

Total Area = 2968540. Total UG/ML = 27503.500

Processed data file: P2546 Raw data file: R2546

026103

O. Sample Preparation Package

This section includes the GC/FID chromatogram and GC Screen Data Sheet for the volatiles fraction of samples associated with this case. CompuChem screens only the volatiles fraction; all other fractions are prepared as "low" samples, and diluted if necessary to bring analytes within the calibration ranges for quantitation.

GC SCREEN DATA SHEET

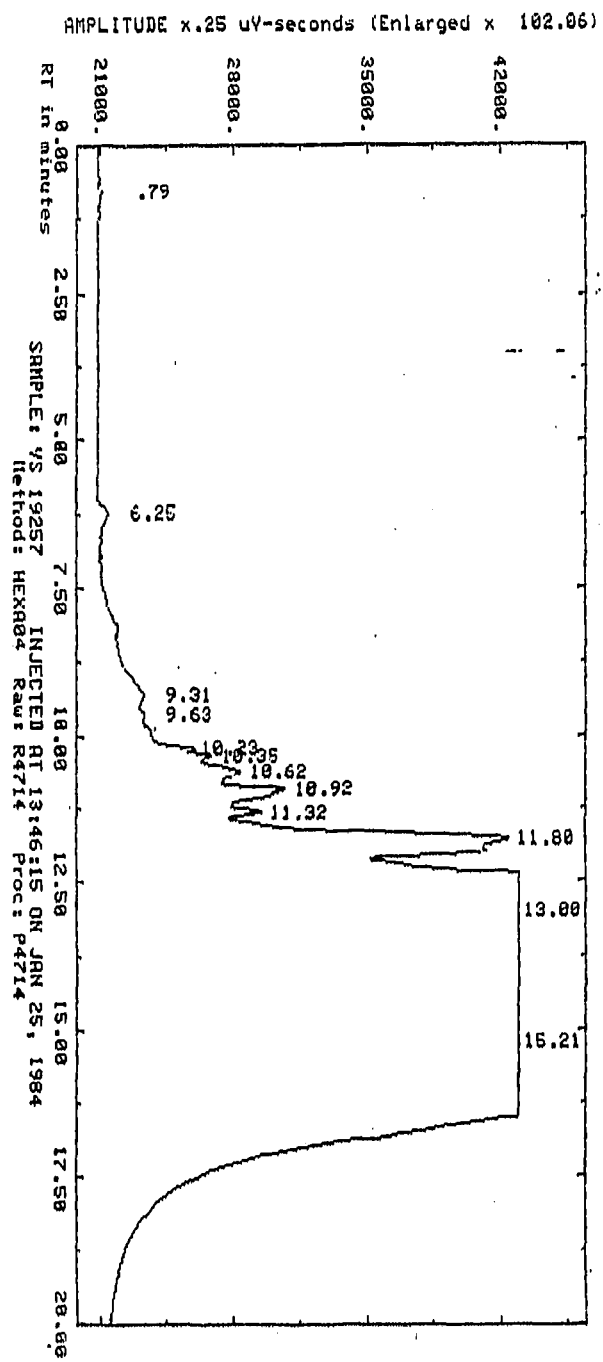
Laboratory Name Mead CompuChem

Case Number 2333

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
R3699 19257	VOA B/N/A Pesticides Dioxin	NO	1-25-84	L
	VOA B/N/A Pesticides Dioxin			
	VOA B/N/A Pesticides Dioxin			
	VOA B/N/A Pesticides Dioxin			
	VOA B/N/A Pesticides Dioxin			
	VOA B/N/A Pesticides Dioxin			
	VOA B/N/A Pesticides Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

02E110
003729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21000.
28000.
35000.
42000.
RT in minutes
0.00
2.50
5.00
7.50
10.00
12.50
15.00
17.50
20.00
.79
6.25
9.31
9.63
10.23
10.35
10.62
10.92
11.32
11.80
13.00
15.21
SAMPLE: VS 19257 INJECTED AT 13:46:15 ON JAN 25, 1984
Method: HEXA04 Raw: R4714 Proc: P4714

026111

Report: 3737.00 Channel: 4

Sample: VS 19257 Injected at 13:46:15 ON JAN 25, 1984

ZERO Method: HEXA04 Seq: SEQ47 Subsq/Samp: 1/14 Btl: 14

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	100	Auto

Sup-Unk	DvT	TD-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 20.017 minutes

Signal > 1 volt
Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.79	0.00	.10000E+01	450.	BB	.001	
6.25	0.00	.10000E+01	3211.	BB	.005	
9.31	0.00	.10000E+01	24192.	BH	.039	
9.63	0.00	.10000E+01	9276.	HH	.015	
10.23	0.00	.10000E+01	35215.	HH	.056	
10.35	0.00	.10000E+01	20941.	HH	.033	
10.62	0.00	.10000E+01	59643.	HH	.095	
10.92	0.00	.10000E+01	92088.	HH	.147	
11.32	0.00	.10000E+01	42539.	HH	.068	
11.80	0.00	.10000E+01	304605.	HH	.486	
13.00	0.00	.10000E+01	59756280.	HS	95.362	
15.21	0.00	.10000E+01	2314065.	HS	3.693	

Total Area = 62662504. Total AREA % = 2314065.500

Processed data file: P4714 Raw data file: R4714

GC SCREEN DATA SHEET

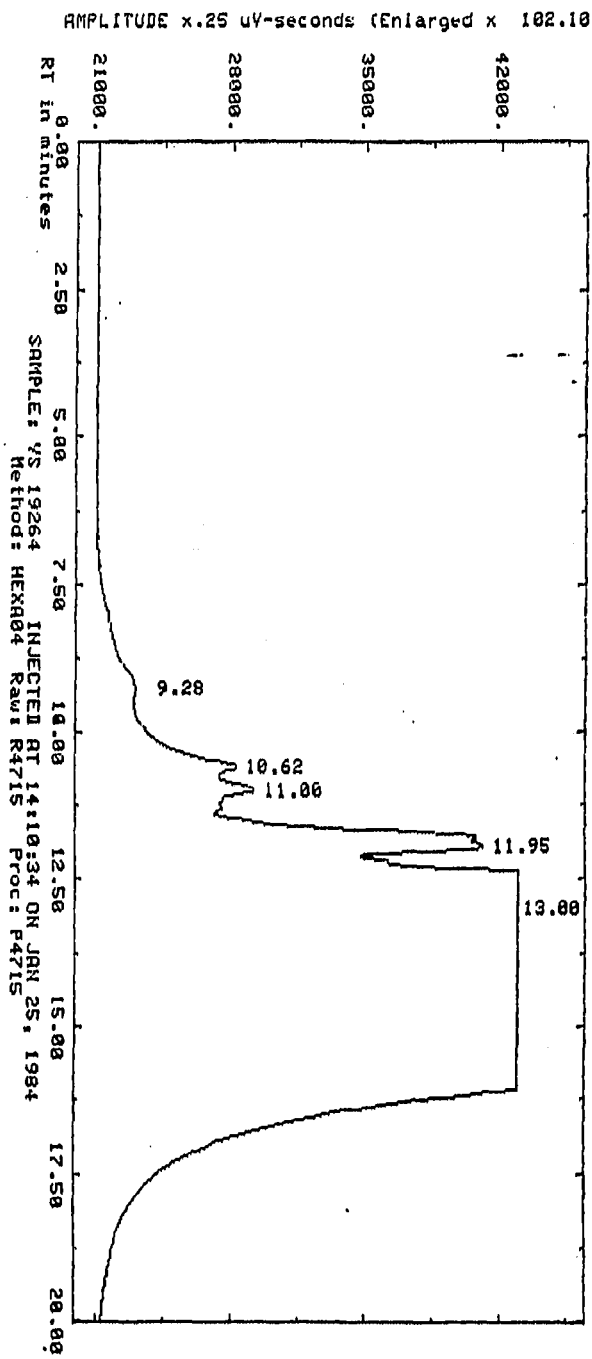
Laboratory Name Mead CompuChem

Case Number 2333

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
R3503	VOA	NO	1-25-84	L
	B/N/A			
	Pesticides			
19264	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

026113


AMPLITUDE x.25 uV-seconds (Enlarged x 102.10)
21000.
28000.
35000.
42000.
RT in minutes
0.00
2.50
5.00
7.50
10.00
12.50
15.00
17.50
20.00
9.28
10.62
11.00
11.95
13.00
SAMPLE: US 19264 INJECTED AT 14:10:34 ON JAN 25, 1984
Method: HEX804 Rawf: R4715 Proc: P4715

029114

Report: 3738.00 Channel: 4

Sample: VS 19264 Injected at 14:10:34 ON JAN 25, 1984

ZERO Method: HEXA04 Seq: SEQ47 Subsq/Samp: 1/15 Btl: 15

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	100	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 20.017 minutes

Signal > 1 volt
Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
9.28	0.00	.10000E+01	68335.	BH	.327	
10.62	0.00	.10000E+01	147208.	HH	.705	
11.00	0.00	.10000E+01	127360.	HH	.610	
11.95	0.00	.10000E+01	313626.	HH	1.503	
13.00	0.00	.10000E+01	20209320.	HS	96.854	

Total Area = 20865848. Total AREA % = 20209320.000

Processed data file: P4715 Raw data file: R4715

026115

GC SCREEN DATA SHEET

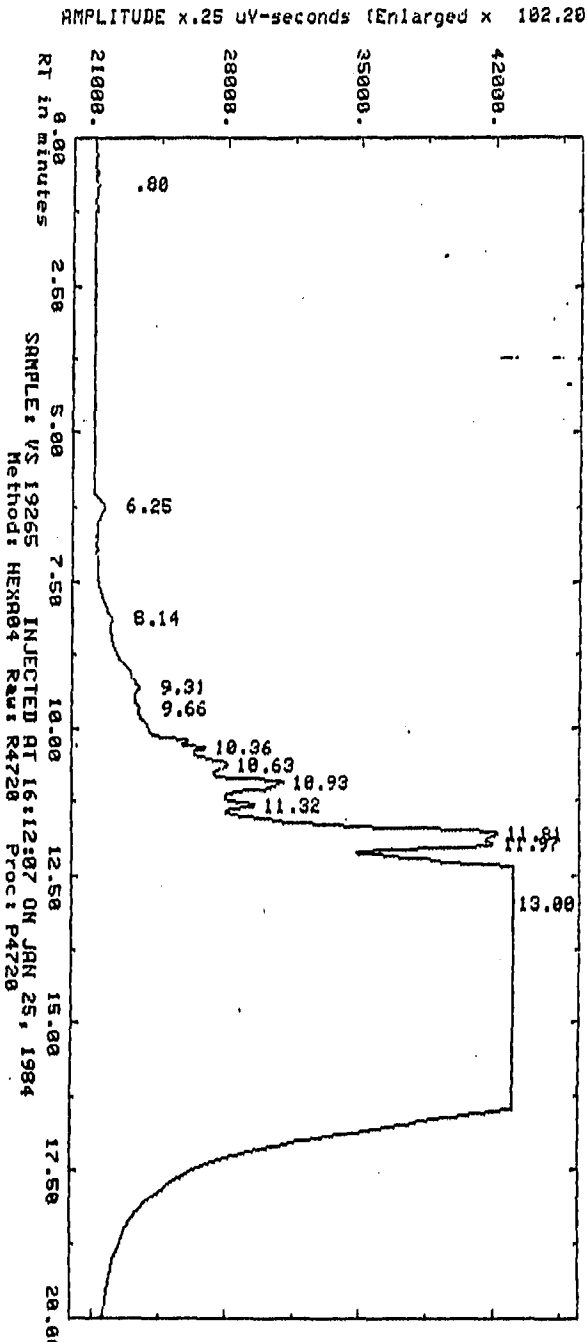
Laboratory Name Mead CompuChem

Case Number 2333

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
R3507	VOA	NO	1-2584	L
	B/N/A			
	Pesticides			
19265	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

02911375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21000.
28000.
35000.
42000.
RT in minutes
0.00
2.50
5.00
7.50
10.00
12.50
15.00
17.50
20.00
.80
6.25
8.14
9.31
9.66
10.36
10.63
10.93
11.32
11.81
11.97
13.00
SAMPLE: VS 19265 INJECTED AT 16:12:07 ON JAN 25, 1984
Method: HEXA04 Rawt R4720 Proc: P4720

026117

Report: 3743.00 Channel: 4

Sample: VS 19265 Injected at 16:12:07 ON JAN 25, 1984

ZERO Method: HEXA04 Seq: SEQ47 Subsq/Samp: 1/20 Btl: 20

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	100	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 20.008 minutes

Signal > 1 volt
Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.80	0.00	.10000E+01	454.	BB	.001	
6.25	0.00	.10000E+01	3966.	BB	.006	
8.14	0.00	.10000E+01	11880.	BH	.019	
9.31	0.00	.10000E+01	54532.	HH	.087	
9.66	0.00	.10000E+01	13611.	HH	.022	
10.36	0.00	.10000E+01	75977.	HH	.121	
10.63	0.00	.10000E+01	63958.	HH	.102	
10.93	0.00	.10000E+01	101774.	HH	.162	
11.32	0.00	.10000E+01	50290.	HH	.080	
11.81	0.00	.10000E+01	206898.	HH	.328	
11.97	0.00	.10000E+01	113057.	HH	.179	
13.00	0.00	.10000E+01	62302616.	HS	98.895	

Total Area = 62999016. Total AREA % = 62302616.000

Processed data file: P4720 Raw data file: R4720

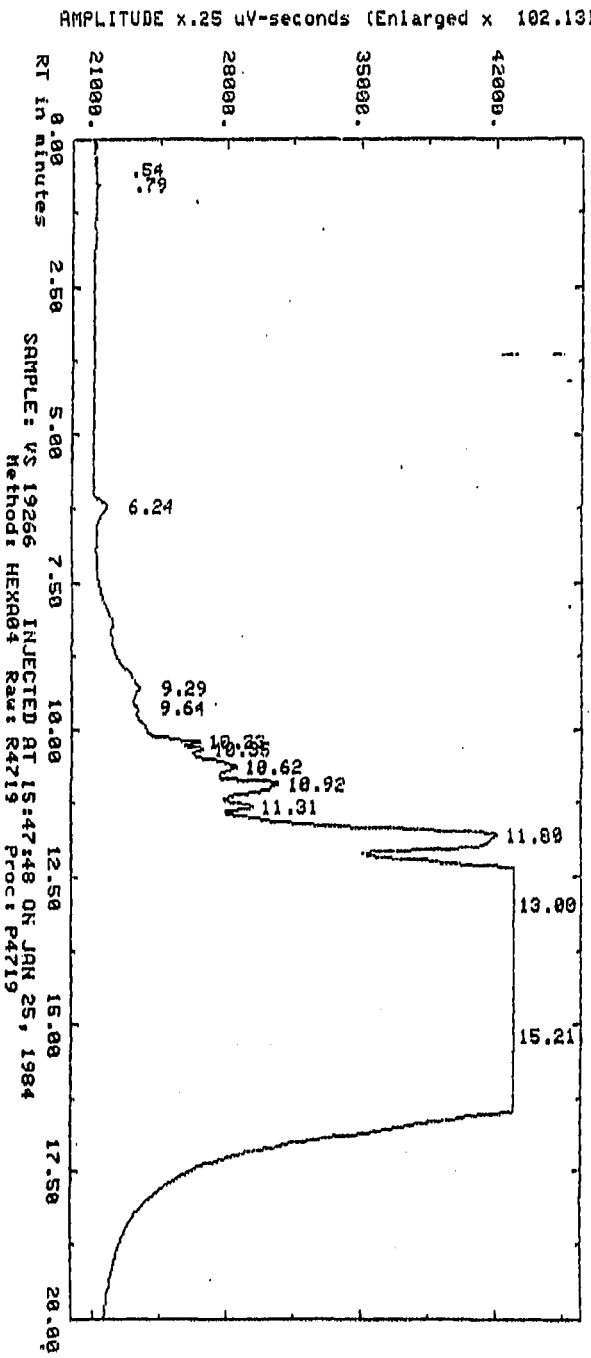
GC SCREEN DATA SHEET

Laboratory Name Mead CompuChem

Case Number 2333

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
R3509	VOA	NO	1-25-84	L
	B/N/A			
19256	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.



003739
026120

Report: 3742.00 Channel: 4

Sample: VS 19266 Injected at 15:47:48 ON JAN 25, 1984

ERQ Method: HEXA04 Seq: SEQ47 Subsq/Samp: 1/19 Btl: 19

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	100	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Tso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 20.008 minutes

Signal > 1 volt
Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.54	0.00	.10000E+01	103.	BB	.000	
.79	0.00	.10000E+01	388.	BB	.001	
6.24	0.00	.10000E+01	4886.	BB	.008	
9.29	0.00	.10000E+01	25628.	BH	.041	
9.64	0.00	.10000E+01	8459.	HH	.013	
10.23	0.00	.10000E+01	38269.	HH	.061	
10.35	0.00	.10000E+01	19375.	HH	.031	
10.62	0.00	.10000E+01	61039.	HH	.097	
10.92	0.00	.10000E+01	92392.	HH	.147	
11.31	0.00	.10000E+01	43433.	HH	.069	
11.80	0.00	.10000E+01	304728.	HH	.484	
13.00	0.00	.10000E+01	60032840.	HS	95.369	
15.21	0.00	.10000E+01	2316567.	HS	3.680	

Total Area = 62948128. Total AREA % = 2316567.000

Processed data file: P4719 Raw data file: R4719

026121

GC SCREEN DATA SHEET

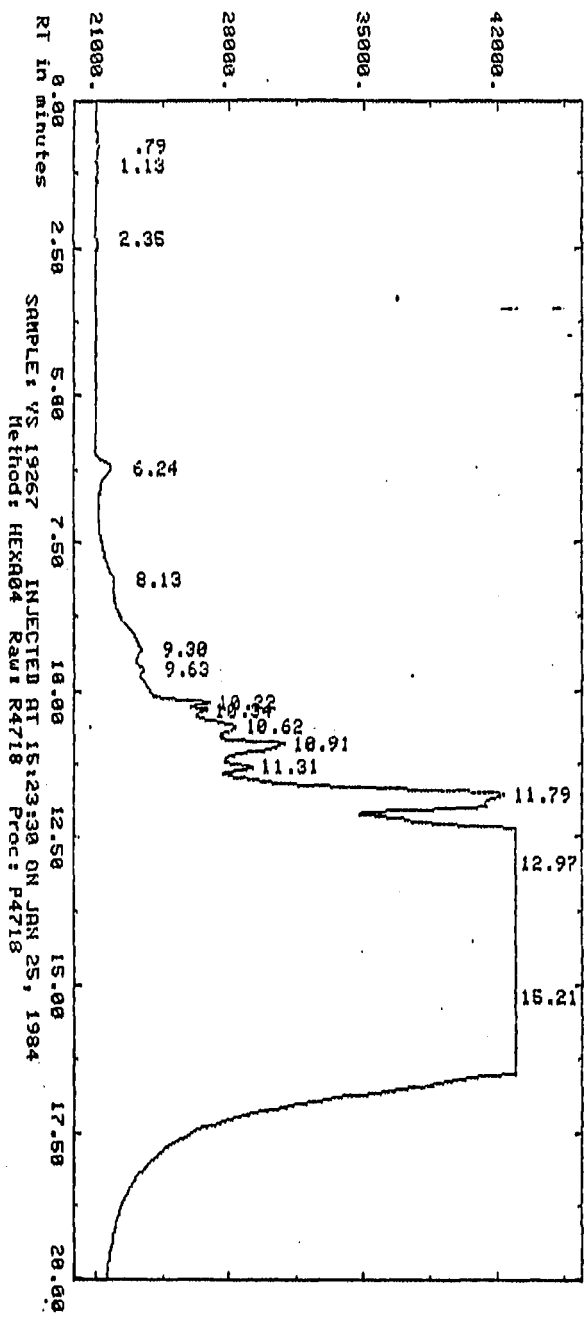
Laboratory Name Mead CompuChem

Case Number 2232

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
R3511	VOA	NO	1-25-84	L
	B/N/A			
	Pesticides			
19267	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

026122



026123

003742

Report: 3741.00 Channel: 4

Sample: VS 19267 Injected at 15:23:30 ON JAN 25, 1984

ZERO Method: HEXA04 Seq: SEQ47 Subsq/Samp: 1/18 Btl: 18

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	100	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 20.017 minutes

Signal > 1 volt
Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.79	0.00	.10000E+01	417.	BB	.001	
1.13	0.00	.10000E+01	114.	BB	.000	
2.35	0.00	.10000E+01	267.	BB	.000	
6.24	0.00	.10000E+01	6494.	BB	.010	
8.13	0.00	.10000E+01	13178.	BH	.021	
9.30	0.00	.10000E+01	50871.	HH	.080	
9.63	0.00	.10000E+01	15785.	HH	.025	
10.22	0.00	.10000E+01	52190.	HH	.082	
10.34	0.00	.10000E+01	22487.	HH	.036	
10.62	0.00	.10000E+01	66976.	HH	.106	
10.91	0.00	.10000E+01	102849.	HH	.162	
11.31	0.00	.10000E+01	45464.	HH	.072	
11.79	0.00	.10000E+01	314406.	HH	.497	
12.97	0.00	.10000E+01	60160288.	HS	95.019	
15.21	0.00	.10000E+01	2462373.	HS	3.889	

Total Area = 63314160. Total AREA % = 2462373.000

Processed data file: P4718 Raw data file: R4718

026124

GC SCREEN DATA SHEET

Laboratory Name Mead CompuChem

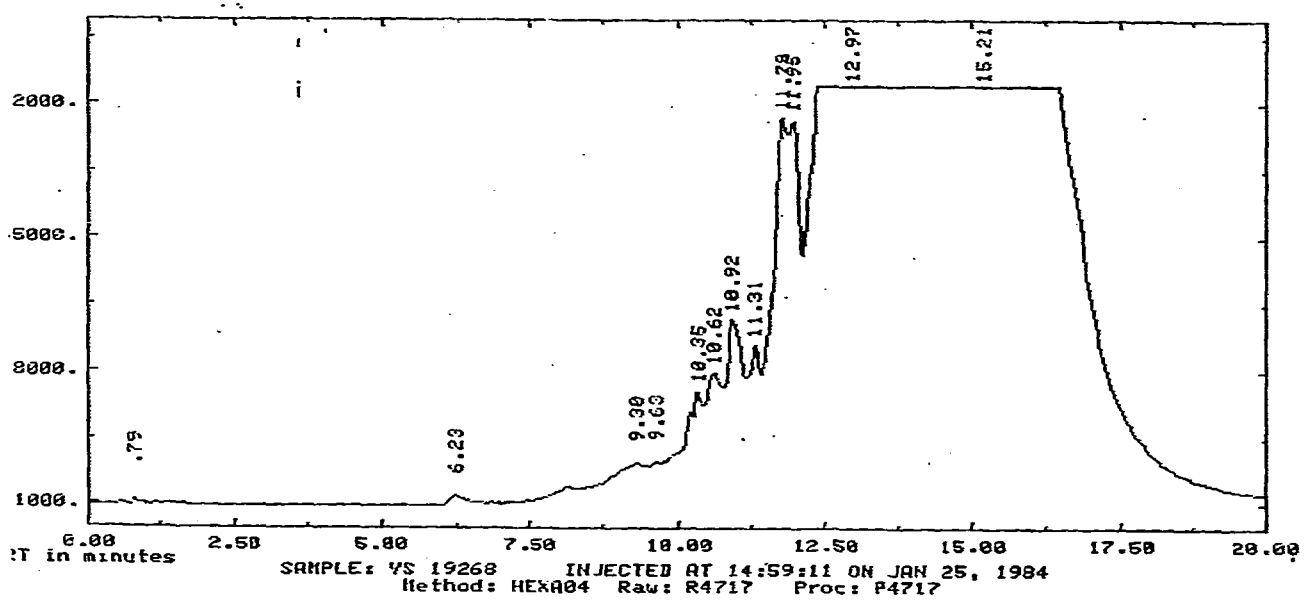
Case Number 2333

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
R3696	VOA	NO	1-25-84	L
	B/N/A			
	Pesticides			
19268	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

026125

003741


2000.
5000.
8000.
11000.
.79
6.23
9.30
9.69
10.35
10.62
10.92
11.31
11.98
12.97
15.21
6.00
2.50
5.00
7.50
10.00
12.50
15.00
17.50
20.00
:T in minutes
SAMPLE: VS 19268 INJECTED AT 14:59:11 ON JAN 25, 1984
Method: HEXA04 Raw: R4717 Proc: P4717

Report: 3740.00 Channel: 4

Sample: VS 19268 Injected at 14:59:11 ON JAN 25, 1984

ZERO Method: HEXA04 Seq: SEQ47 Subsq/Samp: 1/17 Btl: 17

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	100	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 20.017 minutes

Signal > 1 volt
Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.79	0.00	.10000E+01	493.	BB	.001	
6.23	0.00	.10000E+01	3254.	BB	.005	
9.30	0.00	.10000E+01	22539.	BH	.036	
9.63	0.00	.10000E+01	10075.	HH	.016	
10.35	0.00	.10000E+01	58910.	HH	.093	
10.62	0.00	.10000E+01	54929.	HH	.087	
10.92	0.00	.10000E+01	81432.	HH	.129	
11.31	0.00	.10000E+01	52116.	HH	.083	
11.78	0.00	.10000E+01	167362.	HH	.266	
11.95	0.00	.10000E+01	128520.	HH	.204	
12.97	0.00	.10000E+01	60103520.	HS	95.393	
15.21	0.00	.10000E+01	2322898.	HS	3.687	

Total Area = 63006048. Total AREA % = 2322898.500

Processed data file: P4717 Raw data file: R4717

GC SCREEN DATA SHEET

Laboratory Name Mead CompuChem

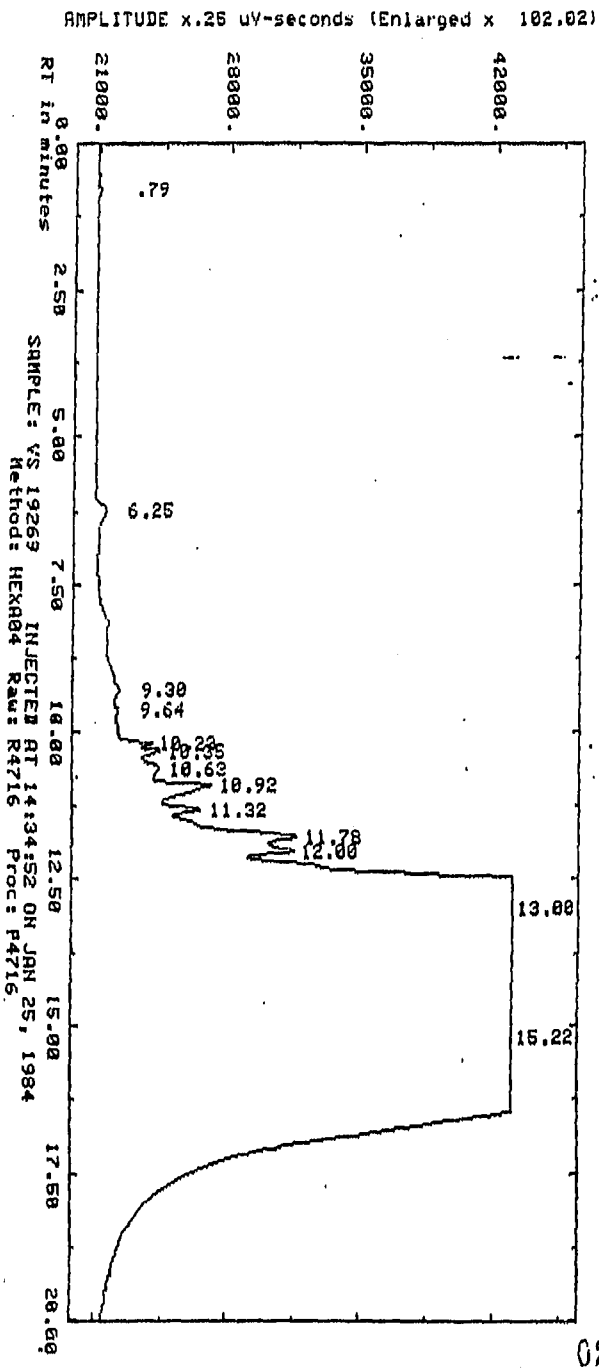
Case Number 2333

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
R3698	VOA	NO	1-25-84	L
	B/N/A			
	Pesticides			
19269	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

000747

000123



026123

003743

31

Report: 3739.00 Channel: 4

Sample: VS 19269 Injected at 14:34:52 ON JAN 25, 1984

ZERO Method: HEXA04 Seq: SEQ47 Subsq/Samp: 1/16 Btl: 16

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	100	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
NO	0.00	0	.30	5.0	100.00	NO

Actual run time: 20.017 minutes

Signal > 1 volt
Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.79	0.00	.10000E+01	507.	BB	.001	
6.25	0.00	.10000E+01	4727.	BB	.008	
9.30	0.00	.10000E+01	10180.	BH	.016	
9.64	0.00	.10000E+01	4294.	HH	.007	
10.23	0.00	.10000E+01	15041.	HH	.024	
10.35	0.00	.10000E+01	12255.	HH	.020	
10.63	0.00	.10000E+01	24043.	HH	.039	
10.92	0.00	.10000E+01	47447.	HH	.076	
11.32	0.00	.10000E+01	28824.	HH	.046	
11.78	0.00	.10000E+01	92878.	HH	.150	
12.00	0.00	.10000E+01	58009.	HH	.094	
13.00	0.00	.10000E+01	59455720.	HS	95.833	
15.22	0.00	.10000E+01	2287094.	HS	3.686	

Total Area = 62041016. Total AREA % = 2287094.500

Processed data file: R4716 Raw data file: R4716

GC SCREEN DATA SHEET

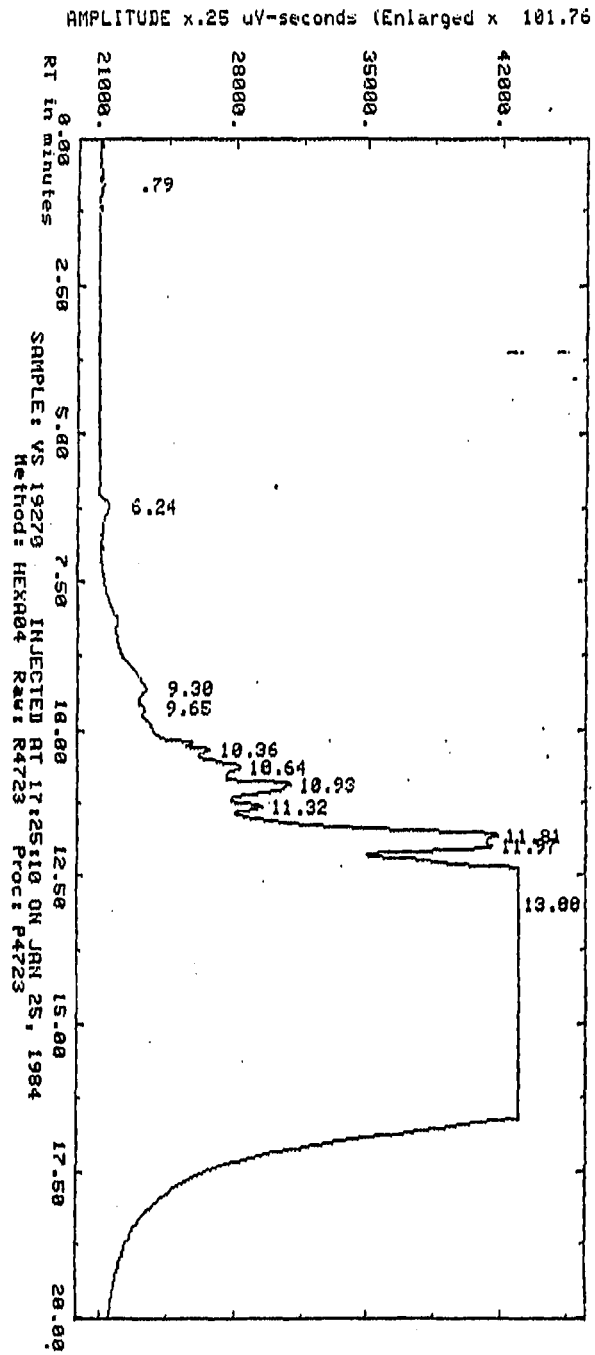
Laboratory Name Mead CompuChem

Case Number 2333

Sample ID Number	Fraction	GC Detectable* Medium Level	Date of Screen	Level of GC/MS Analysis**
R3700	VOA	NO	1-25-84	L
	B/N/A			
	Pesticides			
19270	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			
	VOA			
	B/N/A			
	Pesticides			
	Dioxin			

*Answer Yes or No.
**Indicate"M" for medium level GC/MS analysis.
Indicate"L" for low level GC/MS analysis.

026131


AMPLITUDE x.25 uV-seconds (Enlarged x 101.76)
21000.
28000.
35000.
42000.
RT in minutes
0.00
2.50
5.00
7.50
10.00
12.50
15.00
17.50
20.00
.79
6.24
9.30
9.65
10.36
10.64
10.93
11.32
11.81
11.97
13.00
SAMPLE: VS 19229 INJECTED AT 17:25:10 ON JAN 25, 1984
Method: HEXA04 Run: R4723 Proc: P4723

Report: 3746.00 Channel: 4

Sample: VS 19270 Injected at 17:25:10 ON JAN 25, 1984

ERO Method: HEXA04 Seq: SEQ47 Subsq/Samp: 1/23 Btl: 23

Sl-width	MV/Min	Delay	Min-Ar	Bunch
.500	.300	0.00	100	Auto

Sup-Unk	DvT	ID-Lvl	Ref-RTW	%RTW	%Dil-f	Iso
ND	0.00	0	.30	5.0	100.00	ND

Actual run time: 20.017 minutes

Signal > 1 volt
Ended not on baseline

RT	ITM	Factor	Area		AREA %	Name
.79	0.00	.10000E+01	425.	BB	.001	
6.24	0.00	.10000E+01	4075.	BB	.006	
9.30	0.00	.10000E+01	25907.	BH	.041	
9.65	0.00	.10000E+01	9117.	HH	.014	
10.36	0.00	.10000E+01	57025.	HH	.091	
10.64	0.00	.10000E+01	59400.	HH	.094	
10.93	0.00	.10000E+01	92889.	HH	.147	
11.32	0.00	.10000E+01	44596.	HH	.071	
11.81	0.00	.10000E+01	183064.	HH	.291	
11.97	0.00	.10000E+01	122615.	HH	.195	
13.00	0.00	.10000E+01	62396064.	BS	99.049	

Total Area = 62995176. Total AREA % = 62396064.000

Processed data file: P4723 Raw data file: R4723