US EPA RECORDS CENTER REGION 5
557144

VOLATILES DATA

VOLATILE QC SUMMARY DATA

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:BFB609L BFB Injection Date: 4/20/92

Instrument ID:INCOS50-2 BFB Injection Time:0745

GC Column:DB624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.9
75	30.0 - 66.0% of mass 95	52.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.0
173	Less than 2.0% of mass 174	0.0(0.0)1
174	50.0 - 120.0% of mass 95	71.8
175	4.0 - 9.0% of mass 174	4.5(6.3)1
176	93.0 - 101.0% of mass 174	70.7(98.4)1
177	5.0 - 9.0% of mass 176	5.5(7.8)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD200	VSTD200	VOL2291	4/20/92	0754
02	VSTD100	VSTD100	VOL2292	4/20/92	0833
03	VSTD010	VSTD010	VOL2294	4/20/92	0940
04	VSTD050	VSTD050	VOL2295	4/20/92	1015
05	VSTD020	VSTD020	VOL2296	4/20/92	1048
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:BFB620L BFB Injection Date: 5/01/92

Instrument ID:INCOS50-2 BFB Injection Time:2027

GC Column:DB624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	27.6
75	30.0 - 66.0% of mass 95	58.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.7
173	Less than 2.0% of mass 174	0.6(0.9)1
174	50.0 - 120.0% of mass 95	65.6
175	4.0 - 9.0% of mass 174	5.1(7.8)1
176	93.0 - 101.0% of mass 174	64.0(97.6)1
177	5.0 - 9.0% of mass 176	4.7(7.4)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050B	VSTD050B	VOL2520	5/01/92	2042
02	VBLK2	VBLK2	VOL2521	5/01/92	2125
03	EQK26	60304102	VOL2532	5/02/92	0333
04	EQK26MS	60304102	VOL2533	5/02/92	0406
05	EQK26MSD	60304102MSD	VOL2534	5/02/92	0439
06	EQK27	60305102	VOL2535	5/02/92	0511
07	EQK28	60306102	VOL2536	5/02/92	0544
08	EQK29	60307101	VOL2537	5/02/92	0616
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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:BFB960I BFB Injection Date: 4/29/92

Instrument ID:INCOS50-1 BFB Injection Time:1332

GC Column:RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.2
75	30.0 - 66.0% of mass 95	46.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.8(0.8)1
174	50.0 - 120.0% of mass 95	103.8
175	4.0 - 9.0% of mass 174	8.0(7.7)1
176	93.0 - 101.0% of mass 174	100.1(96.4)1
177	5.0 - 9.0% of mass 176	6.7(6.7)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050A	VSTD050A	VOI3290	4/29/92	1345
02	VSTD200A	VSTD200A	VOI3291	4/29/92	1449
03	VSTD100A	VSTD100A	VOI3292	4/29/92	1533
04	VSTD020A	VSTD020A	VOI3293	4/29/92	1612
05	VSTD010A	VSTD010A	VOI3294	4/29/92	1653
06					
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:BFB962I BFB Injection Date: 5/01/92

Instrument ID:INCOS50-1 BFB Injection Time:0813

GC Column:RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.1
75	30.0 - 66.0% of mass 95	46.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0(0.0)1
174	50.0 - 120.0% of mass 95	110.2
175	4.0 - 9.0% of mass 174	9.1(8.3)1
176	93.0 - 101.0% of mass 174	105.1(95.4)1
177	5.0 - 9.0% of mass 176	7.0(6.7)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050C	VSTD050C	VOI3321	5/01/92	0832
02	VBLK3	VBLK3	VOI3323	5/01/92	1017
03	EQK01	60014103	VOI3326	5/01/92	1220
04	EQK04	60015101	VOI3327	5/01/92	1301
05	EQK08	60016103	VOI3328	5/01/92	1342
06	EQK09	60017103	VOI3329	5/01/92	1423
07	EQK10	60018101	VOI3330	5/01/92	1504
08	EQK11	60019101	VOI3331	5/01/92	1545
09	EQK02	60020103	VOI3332	5/01/92	1626
10	EQK03	60021101	VOI3333	5/01/92	1707
11	EQK05	60022101	VOI3334	5/01/92	1758
12	EQK07	60024101	VOI3336	5/01/92	1919
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID:BFB963I BFB Injection Date: 5/04/92

Instrument ID:INCOS50-1 BFB Injection Time:0828

GC Column:RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.2
75	30.0 - 66.0% of mass 95	46.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.2(0.2)1
174	50.0 - 120.0% of mass 95	112.5
175	4.0 - 9.0% of mass 174	9.2(8.2)1
176	93.0 - 101.0% of mass 174	107.8(95.8)1
177	5.0 - 9.0% of mass 176	7.2(6.7)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050D	VSTD050D	VOI3338	5/04/92	0840
02	VBLK4	VBLK4	VOI3340	5/04/92	1032
03	EQK02MSD	60020103	VOI3342	5/04/92	1153
04	EQK06	60023101	VOI3343	5/04/92	1234
05	EQK02MS	60020103	VOI3348	5/04/92	1555
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8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID (Standard):VOL2520 Date Analyzed: 5/01/92

Instrument ID:INCOS50-2 Time Analyzed:2042

GC Column:DB624 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	21029	6.53	71589	8.72	77233	14.28
	UPPER LIMIT	42058	7.03	143178	9.22	154466	14.78
	LOWER LIMIT	10515	6.03	35795	8.22	38617	13.78
	EPA SAMPLE NO.						
01	VBLK2	21119	6.58	72151	8.77	70691	14.33
02	EQK26	21906	6.55	75809	8.73	78015	14.30
03	EQK26MS	22535	6.55	77407	8.73	84390	14.33
04	EQK26MSD	18266	6.55	66560	8.73	70838	14.30
05	EQK27	23849	6.55	81935	8.73	85589	14.30
06	EQK28	22963	6.50	79475	8.68	80600	14.25
07	EQK29	22807	6.55	79158	8.73	81952	14.30
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID (Standard):VOI3321 Date Analyzed: 5/01/92

Instrument ID:INCOS50-1 Time Analyzed:0832

GC Column:RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	17514	10.32	71568	14.40	77651	21.37
	UPPER LIMIT	35028	10.82	143136	14.90	155302	21.87
	LOWER LIMIT	8757	9.82	35784	13.90	38826	20.87
	EPA SAMPLE NO.						
01	VBLK3	13731	10.32	54717	14.37	56775	21.33
02	EQK01	24944	10.28	107095	14.37	97175	21.33
03	EQK04	17746	10.28	72721	14.37	73062	21.33
04	EQK08	19264	10.32	78190	14.37	81349	21.33
05	EQK09	16880	10.32	71231	14.40	73466	21.33
06	EQK10	17968	10.32	71888	14.37	74525	21.33
07	EQK11	17081	10.32	67998	14.40	66180	21.33
08	EQK02	14137	10.32	55539	14.40	51720	21.33
09	EQK03	16102	10.35	64699	14.40	56441	21.33
10	EQK05	18102	10.32	69222	14.40	68431	21.37
11	EQK07	14333	10.35	57071	14.40	57109	21.33
12							
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Lab File ID (Standard):VOI3338 Date Analyzed: 5/04/92

Instrument ID:FINN50-1 Time Analyzed:0840

GC Column:RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	19741	10.32	77258	14.40	85971	21.32
	UPPER LIMIT	39482	10.82	154516	14.90	171942	21.82
	LOWER LIMIT	9871	9.82	38629	13.90	42986	20.82
	EPA SAMPLE NO.						
01	VBLK4	14528	10.32	61037	14.37	63862	21.33
02	EQK02MSD	12007	10.35	50437	14.37	46194	21.32
03	EQK06	12790	10.35	51462	14.40	51887	21.33
04	EQK02MS	29777	10.35	130281	14.37	119585	21.33
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

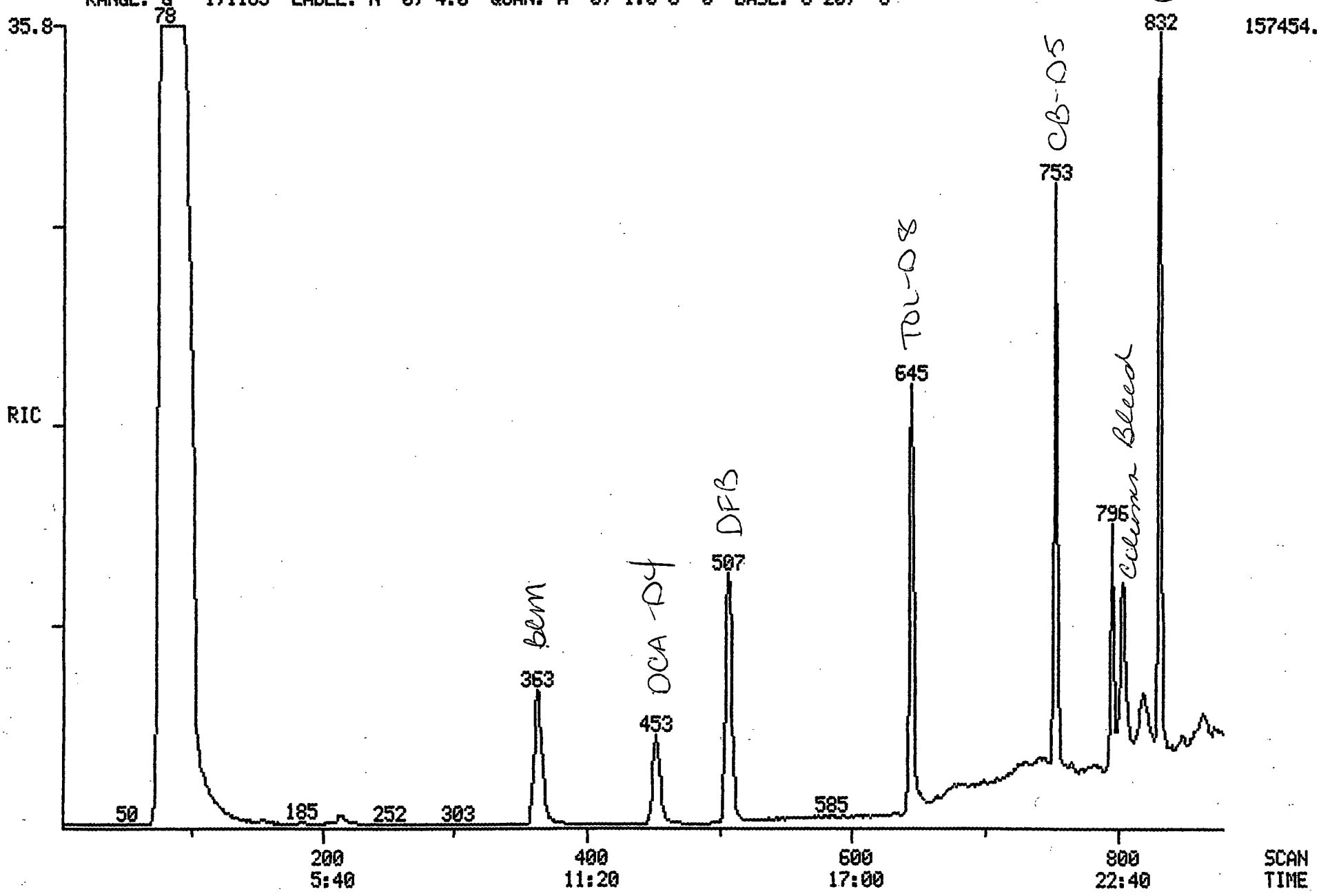
Column used to flag values outside of QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE SAMPLE DATA

MIDRIC
05/01/92 12:20:00
SAMPLE: 60014103, EQK01, 5G/5ML
CONDS.: INCOS50-1
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOI3326 #1
CALI: VOI3326 #3

SCANS 1 TO 880



000023

Quantitation Report File: VOI3326

Data: VOI3326.TI
05/01/92 12:20:00
Sample: 60014103, EQK01, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	363	10:17	1	1.000	A BB	24944.	250.000	NG	15.44
2	114	507	14:22	2	1.000	A BB	107095.	250.000	NG	15.44
3	117	753	21:20	3	1.000	A BB	97175.	250.000	NG	15.44
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	84	198	5:37	1	0.545	A BB	186.	1.749	NG	0.11
9	43	155	4:24	1	0.427	A BB	2382.	58.617	NG	3.62
10	NOT FOUND									
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	NOT FOUND									
16	43	304	8:37	1	0.837	A BB	715.	~~11.827~~	NG	0.73
17	97	402	11:24	2	0.793	A BB	183.	0.941	NG	0.06
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	130	538	15:15	2	1.061	A BB	100.	0.449	NG	0.03
24	NOT FOUND									
25	NOT FOUND									
26	78	465	13:11	2	0.917	A BB	1169.	3.882	NG	0.24
27	NOT FOUND									
28	173	815	23:06	2	1.607	A BV	3202.	7.138	NG	0.44
29	43	613	17:22	3	0.814	A BB	105.	0.602	NG	0.04
30	43	682	19:20	3	0.906	A BB	44.	0.419	NG	0.03
31	164	699	19:49	3	0.928	A BB	569.	2.397	NG	0.15
32	NOT FOUND									
33	91	651	18:27	3	0.865	A BB	1267.	3.382	NG	0.21
34	112	755	21:24	3	1.003	A BB	197.	0.549	NG	0.03
35	106	760	21:32	3	1.009	A BV	389.	2.495	NG	0.15
36	104	796	22:33	3	1.057	A BV	153.	0.431	NG	0.03
37	106	765	21:41	3	1.016	A VB	563.	2.706	NG	0.17
38	98	645	18:17	3	0.857	A BB	102262.	288.384	NG	17.81
39	95	832	23:35	3	1.105	A BB	66566.	178.964	NG	11.06
40	65	453	12:50	1	1.248	A BB	36517.	227.792	NG	14.07
41	NOT FOUND									
42	106	793	22:28	3	1.053	A BB	310.	1.443	NG	0.09
43	NOT FOUND									
44	146	906	25:40	3	1.203	A BB	2839.	5.223	NG	0.32
45	146	929	26:20	3	1.234	A VB	768.	1.552	NG	0.10
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	85	93	2:38	1	0.256	A BB	122.	0.652	NG	0.04

Low pt 5/5/92 JCL

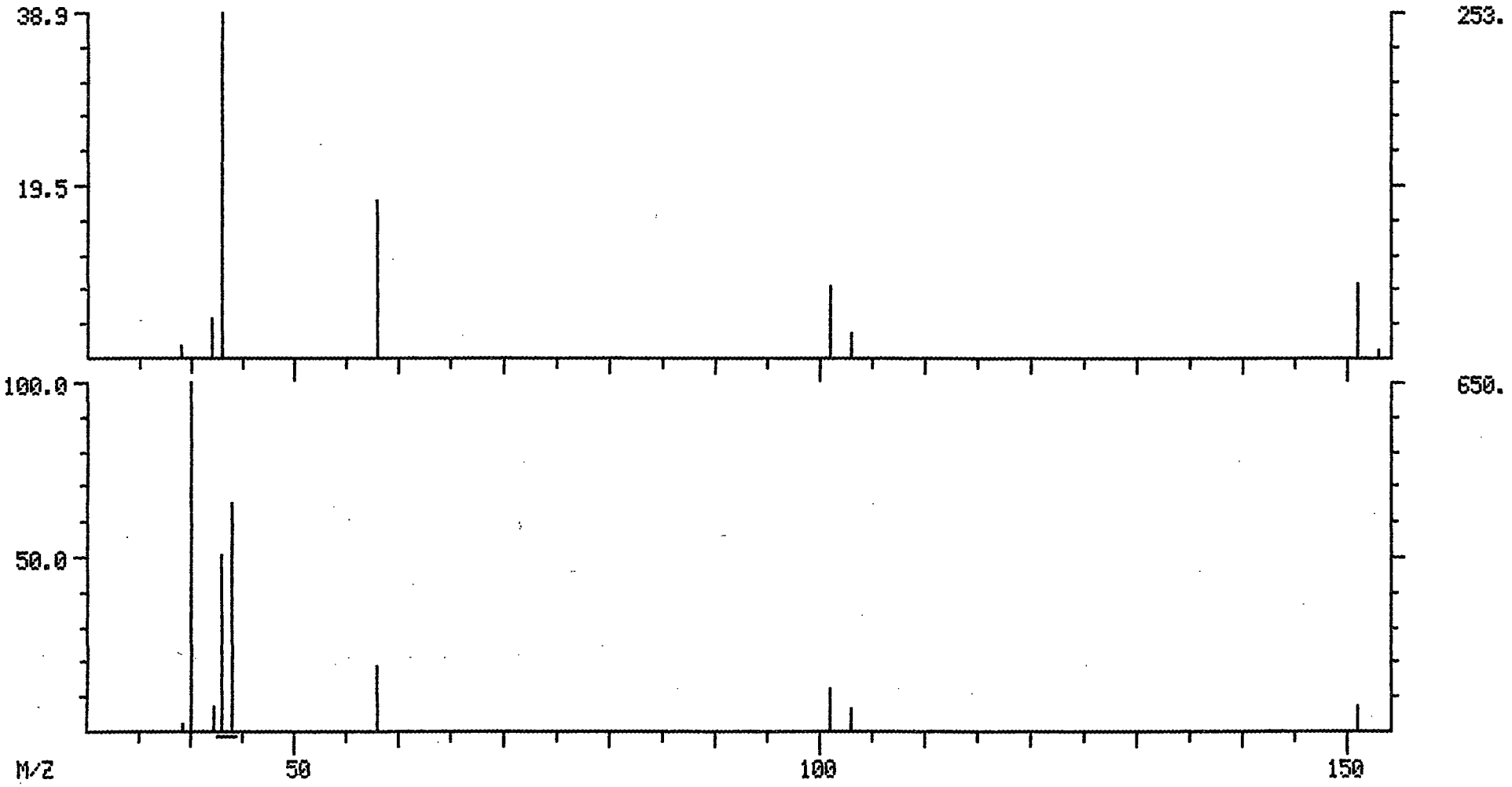
MID DUAL MASS SPECTRUM
05/01/92 12:20:00 + 4:24
SAMPLE: 60014103, EQK01, 5G/5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3326 #155
CALI: VOI3326 #3

BASE M/Z: 43/ 40
RIC: 542./ 1759.

920000

ACETONE

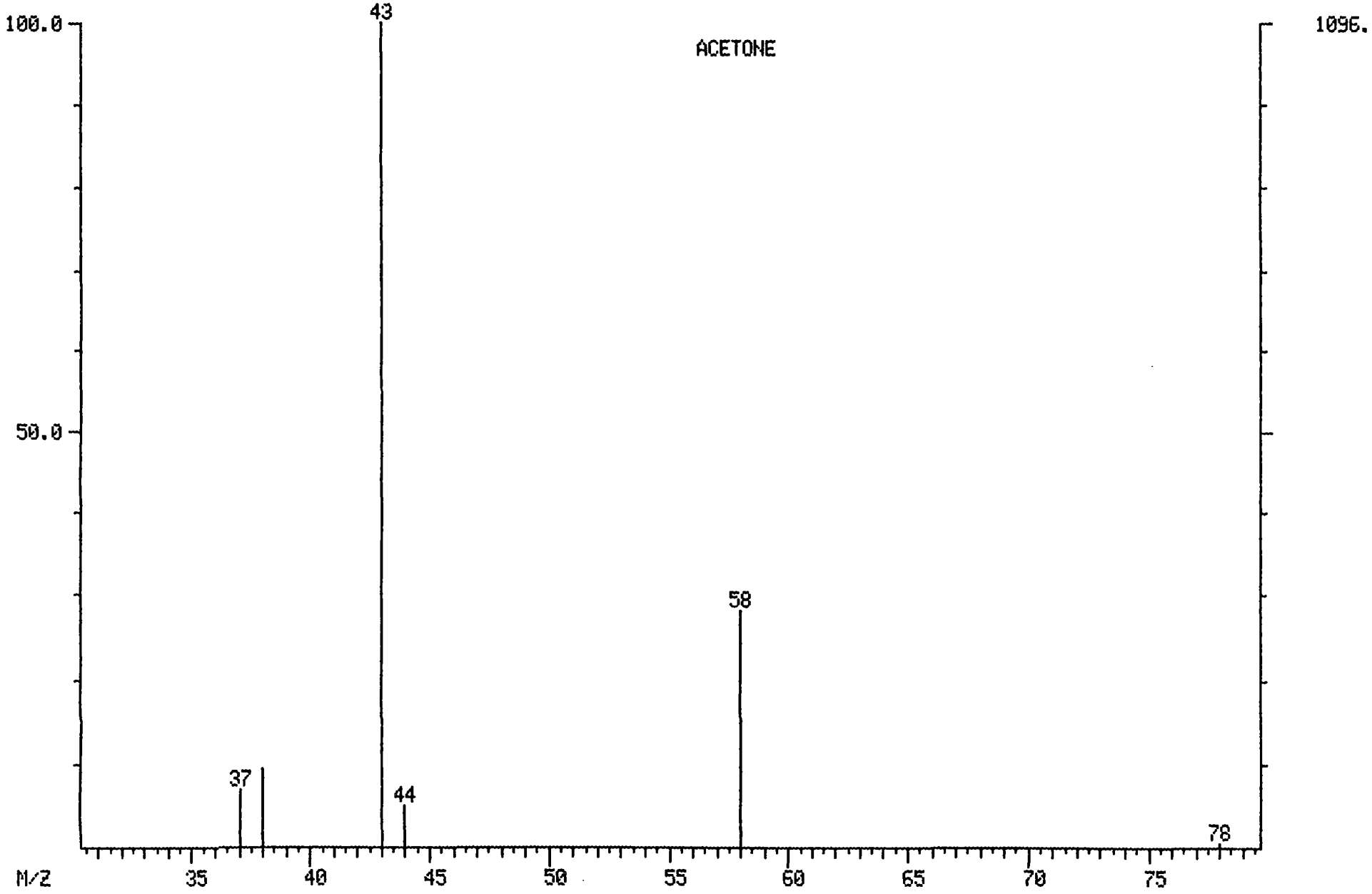


MID MASS SPECTRUM
05/01/92 8:32:00 + 4:24
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3321 #155
CALI: VOI3321 #3

BASE M/Z: 43
RIC: 1644.

000027



Quantitation Report File: TEMP

Data: VOI3326.TI
05/01/92 12:20:00
Sample: 60014103, EQK01, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	NOT IDENTIFIED
2	INTERNAL STANDARD
3	NOT IDENTIFIED
4	NOT IDENTIFIED

5/20/92 jh

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	~~RIC~~	~~745~~	~~21:07~~	~~2~~	~~0.989~~	~~A VV~~	~~34458.~~	~~27.531 NG~~	5.30
2	RIC	753	21:20	2	1.000	A VV	312900.	250.000 NG	48.10
3	RIC	~~804~~	22:47	2	1.068	A VV	196769.	157.214 NG	30.25
4	RIC	819	23:13	2	1.088	A VV	106418.	85.025 NG	16.36
		796	22:33				139040	111.090 ng	

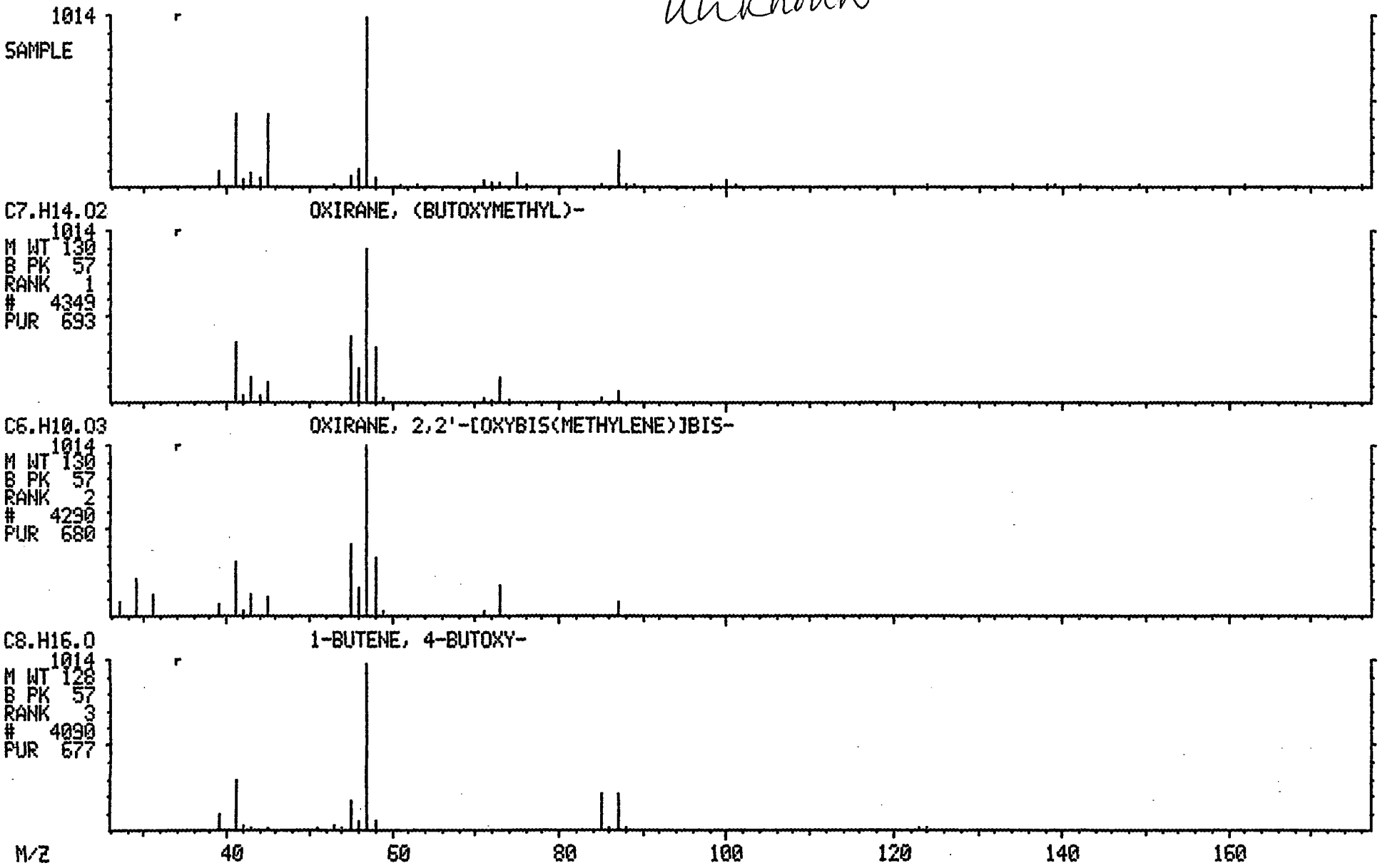
MID LIBRARY SEARCH
05/01/92 12:20:00 + 22:33
SAMPLE: 60014103, EQK01, 5G/5ML
CONDS.: INCOS50-1
ENHANCED (S 15B 2N 0T)

DATA: VOI3326 # 796
CALI: VOI3326 # 3

BASE M/Z: 57
RIC: 41023.

630000

unknown



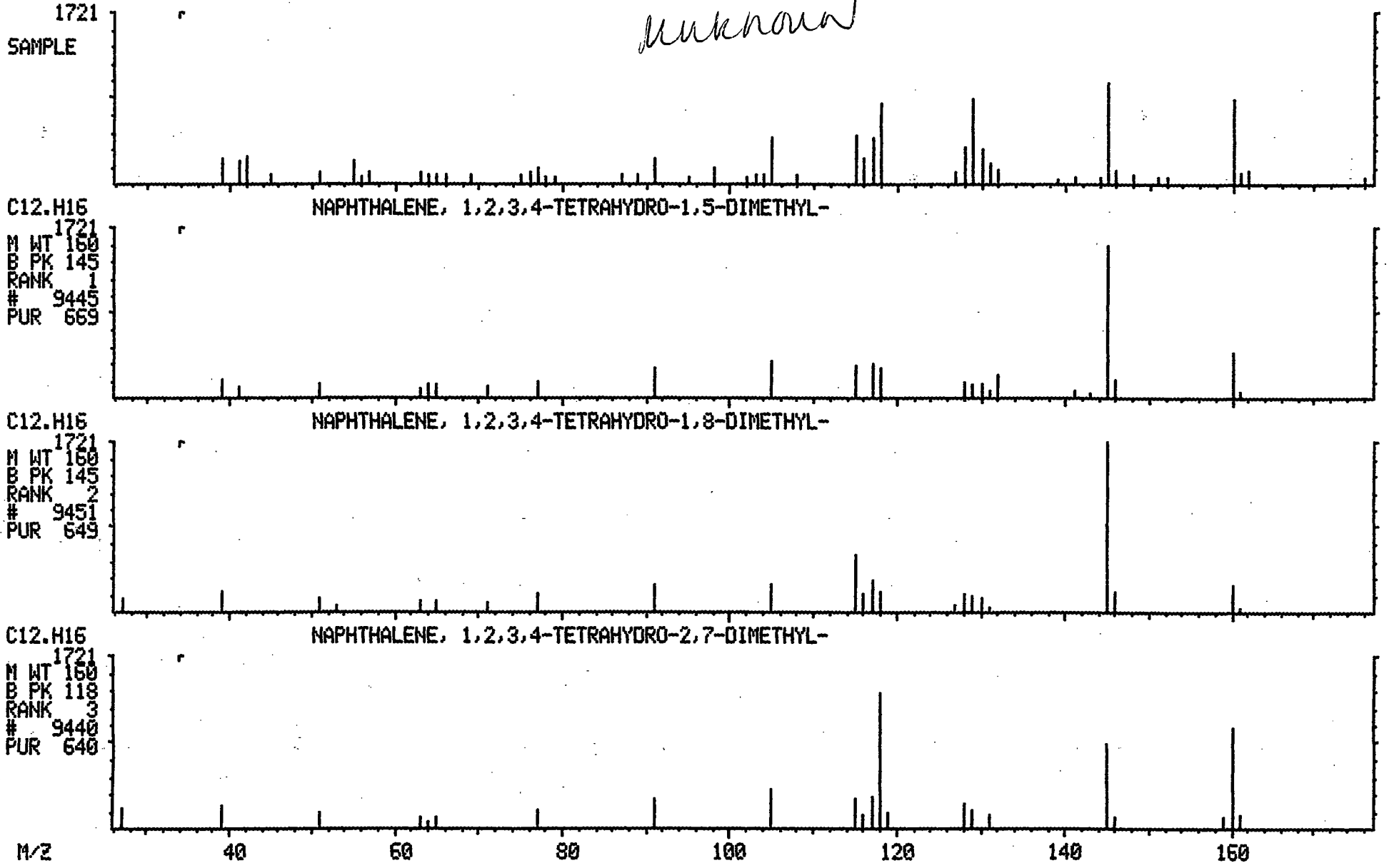
MID LIBRARY SEARCH
05/01/92 12:20:00 + 23:13
SAMPLE: 60014103, EQK01, 5G/5ML
CONDS.: INCOS50-1
ENHANCED (S 15B 2N 0T)

DATA: VOI3326 # 819
CALI: VOI3326 # 3

BASE M/Z: 145
RIC: 7311.

000030

unknown



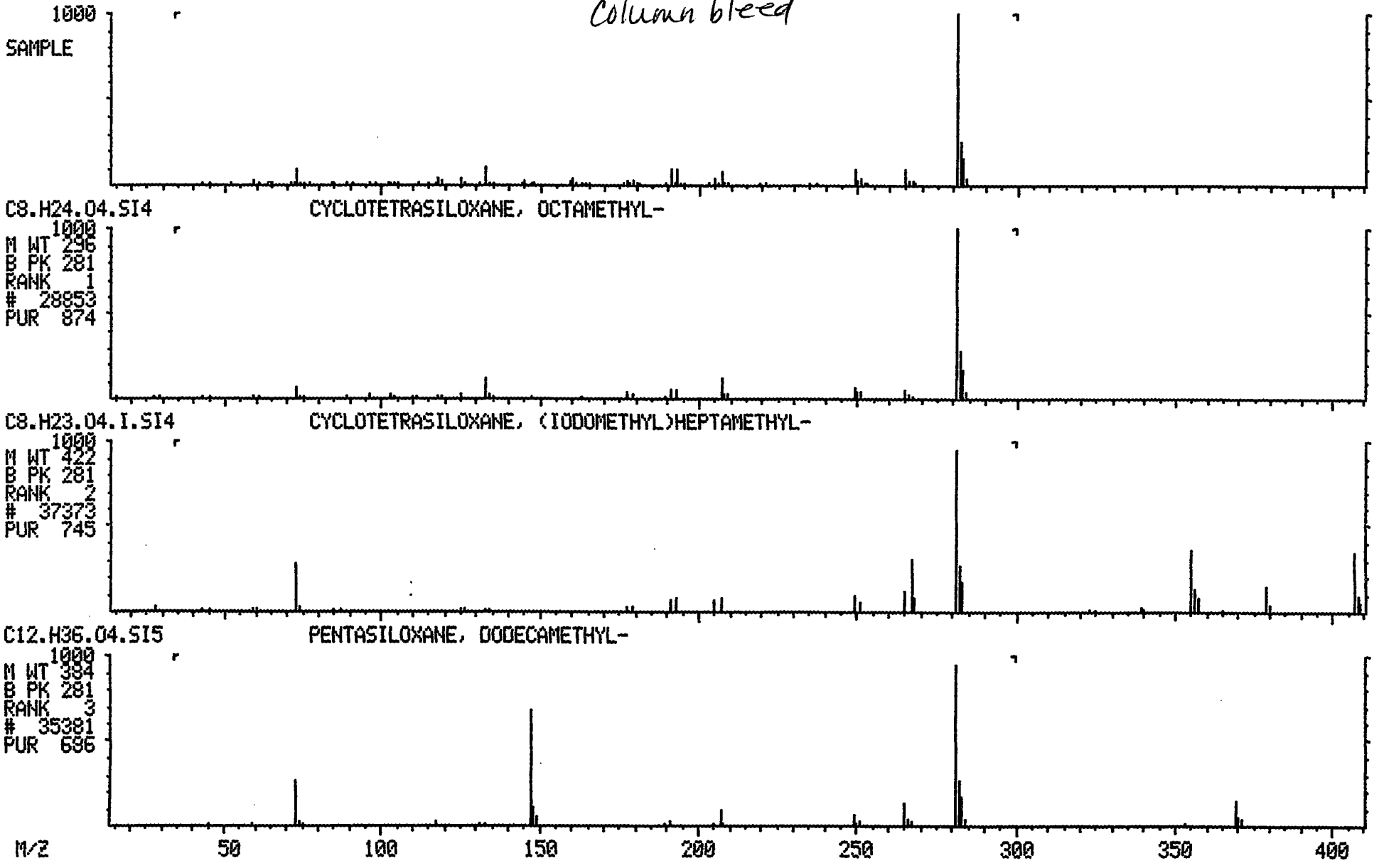
MID LIBRARY SEARCH
05/01/92 12:20:00 + 22:49
SAMPLE: 60014103, EQK01, 5G/5ML
CONDS.: INCOS50-1
ENHANCED (S 15B 2N 0T)

DATA: VOI3326 # 805
CALI: VOI3326 # 3

BASE M/Z: 281
RIC: 28383.

000031

Column bleed

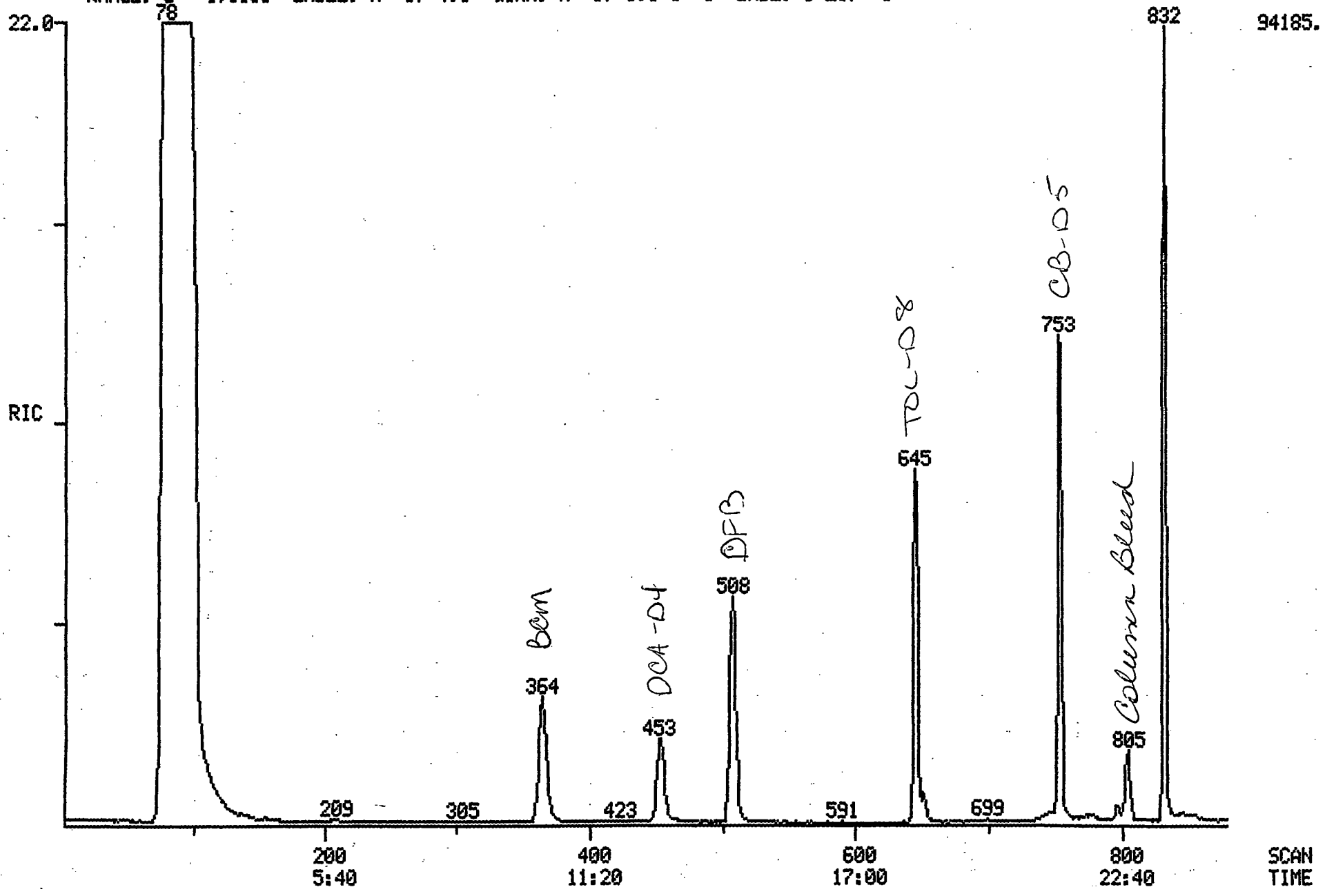


MIDRIC
05/01/92 16:26:00
SAMPLE: 60020103, EQK02, 5G/5ML
CONDS.: INCOS50-1
RANGE: G 1.1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOI3332 #1
CALI: VOI3332 #3

SCANS 1 TO 880

000034



Quantitation Report File: VOI3332

Data: VOI3332.TI
05/01/92 16:26:00
Sample: 60020103, EQK02, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	364	10:19	1	1.000	A BB	14137.	250.000 NG	15.49
2	114	508	14:24	2	1.000	A BB	55539.	250.000 NG	15.49
3	117	753	21:20	3	1.000	A BB	51720.	250.000 NG	15.49
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	NOT FOUND								
9	43	156	4:25	1	0.429	A BB	1021.	44.332 NG	2.75
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	43	305	8:39	1	0.838	A BB	135.	3.940 NG	0.24
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	78	466	13:12	2	0.917	A BB	442.	2.830 NG	0.18
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	164	699	19:49	3	0.928	A BB	126.	0.997 NG	0.06
32	NOT FOUND								
33	91	651	18:27	3	0.865	A BB	3381.	16.959 NG	1.05
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	106	766	21:42	3	1.017	A BB	75.	0.677 NG	0.04
38	98	645	18:17	3	0.857	A BB	52416.	277.722 NG	17.21
39	95	832	23:35	3	1.105	A BB	39428.	199.165 NG	12.34
40	65	453	12:50	1	1.245	A BB	21584.	237.559 NG	14.72
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	146	907	25:42	3	1.205	A BB	853.	2.948 NG	0.18
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

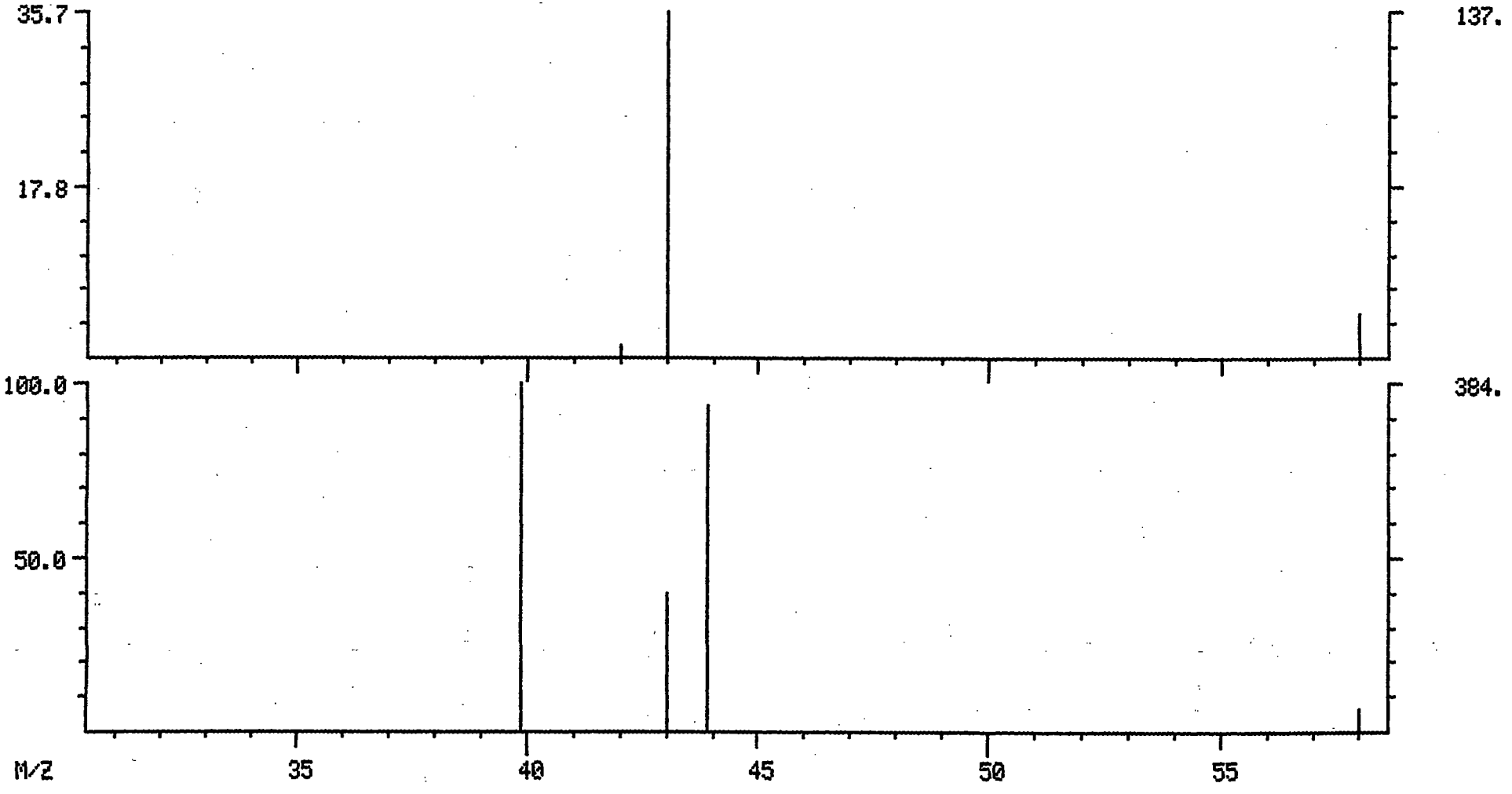
MID DUAL MASS SPECTRUM
05/01/92 16:26:00 + 4:25
SAMPLE: 60020103, EQK02, 5G/5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3332 #156
CALI: VOI3332 #3

BASE M/Z: 43/ 40
RIC: 159./ 919.

000037

ACETONE

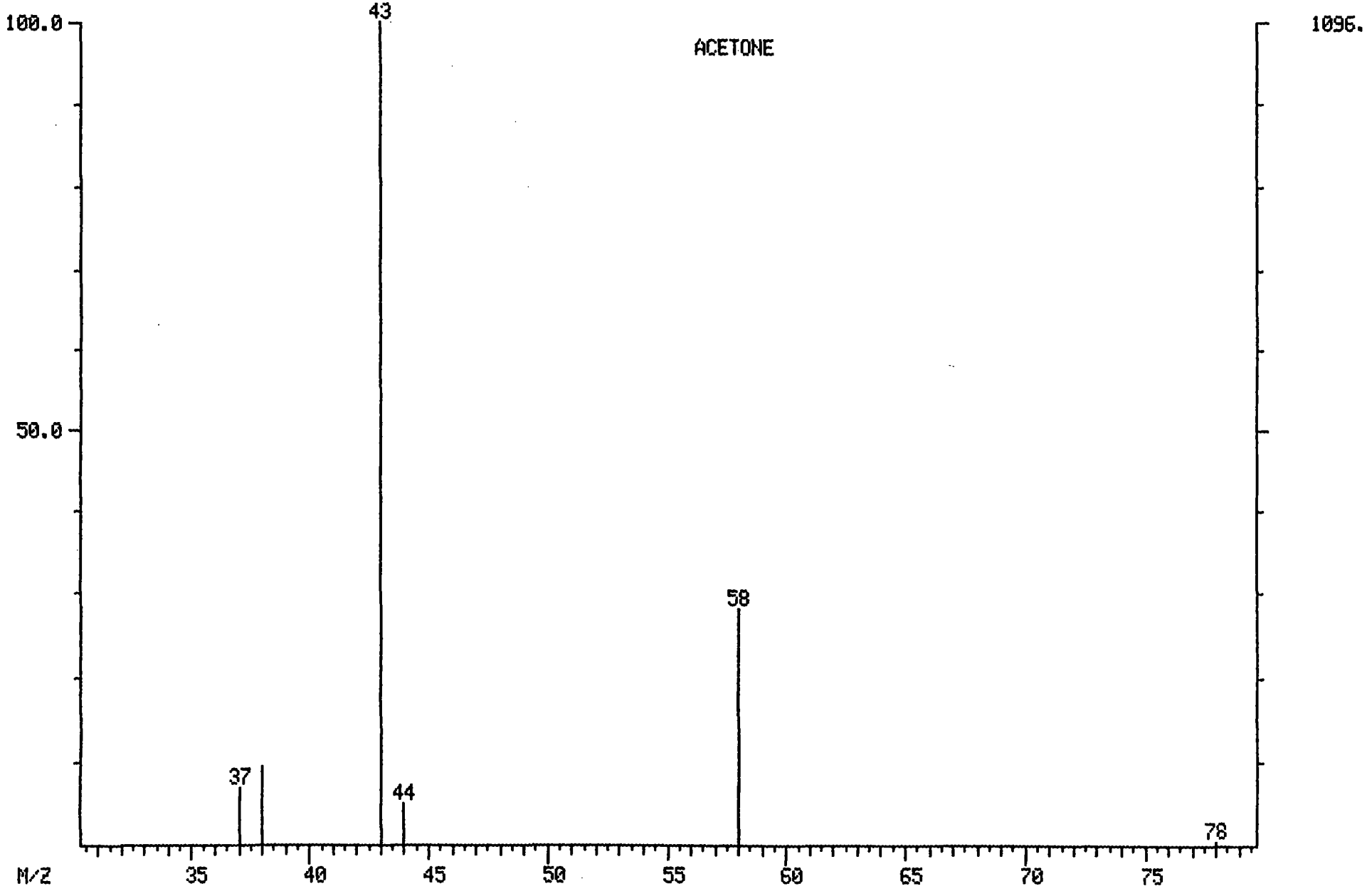


MID MASS SPECTRUM
05/01/92 8:32:00 + 4:24
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3321 #155
CALI: VOI3321 #3

BASE M/Z: 43
RIC: 1644.

000038



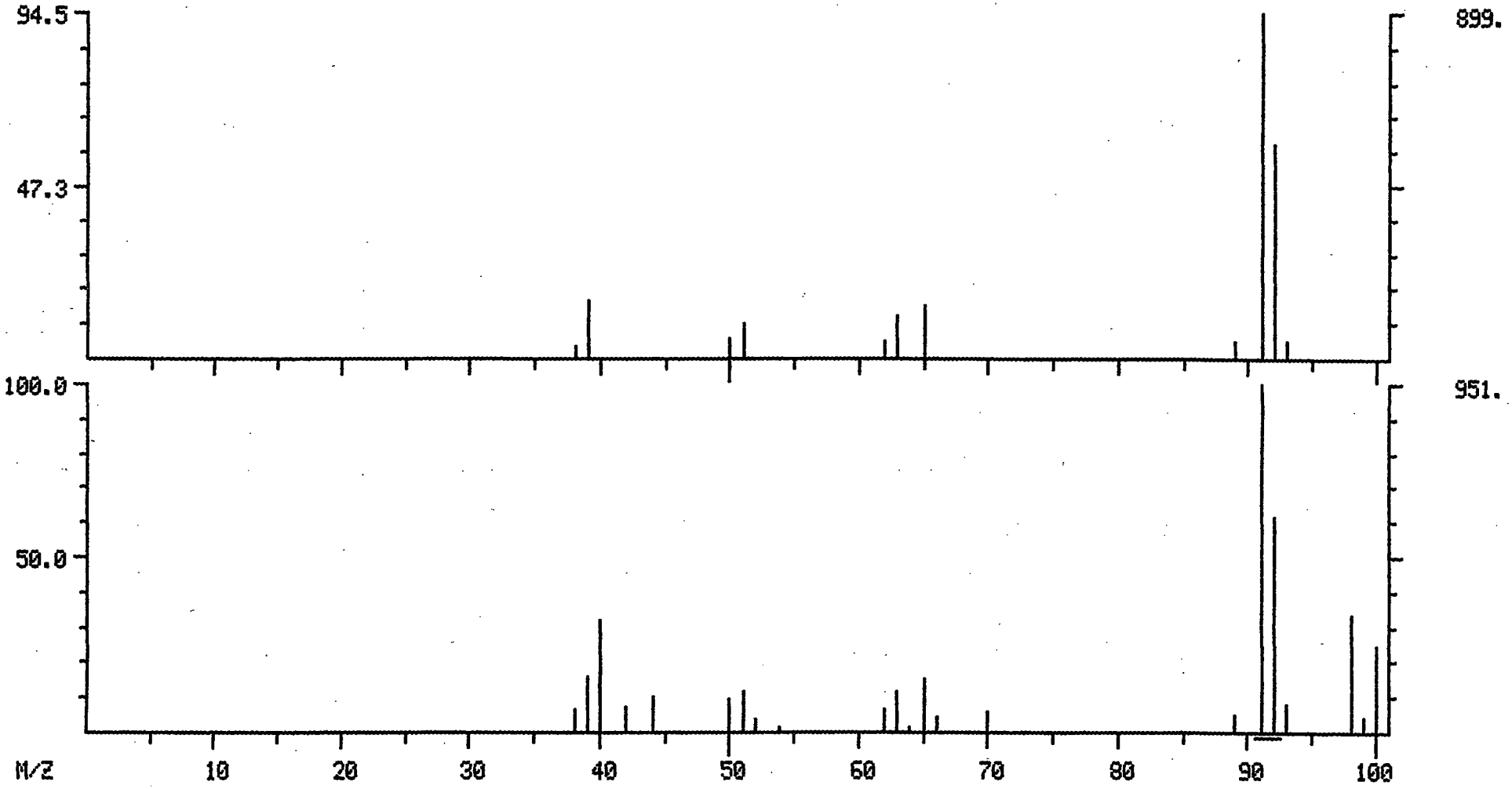
MID DUAL MASS SPECTRUM
05/01/92 16:26:00 + 18:27
SAMPLE: 60020103, EQK02, 5G/5ML
CONDS.: INCOS50-1
GC TEMP: 104 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3332 #651
CALI: VOI3332 #3

BASE M/Z: 91/ 91
RIC: 2179./ 3803.

000039

TOLUENE

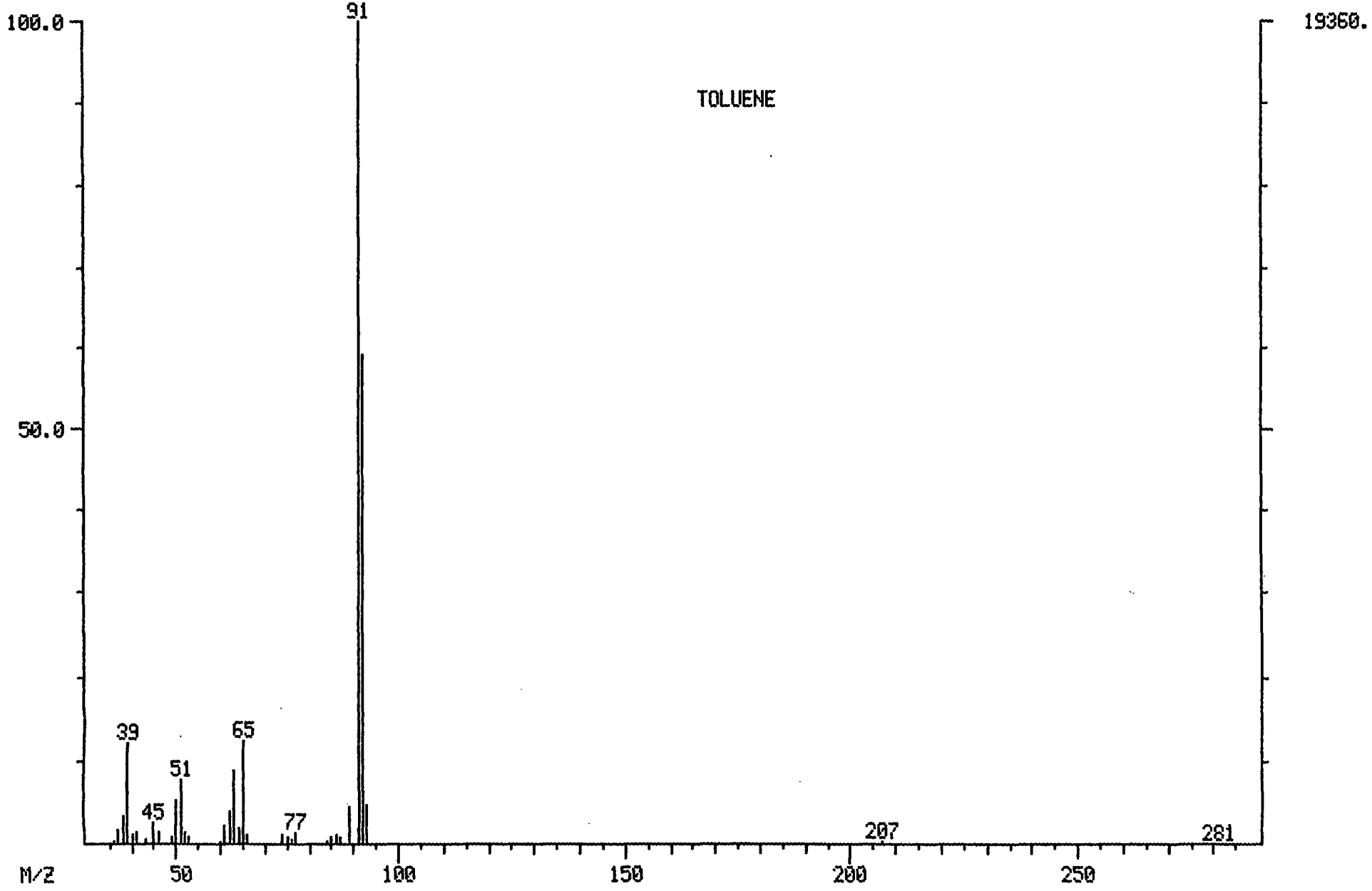


MID MASS SPECTRUM
05/01/92 8:32:00 + 18:27
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-1
GC TEMP: 104 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3321 #651
CALI: VOI3321 #3

BASE M/Z: 91
RIC: 47872.

000040

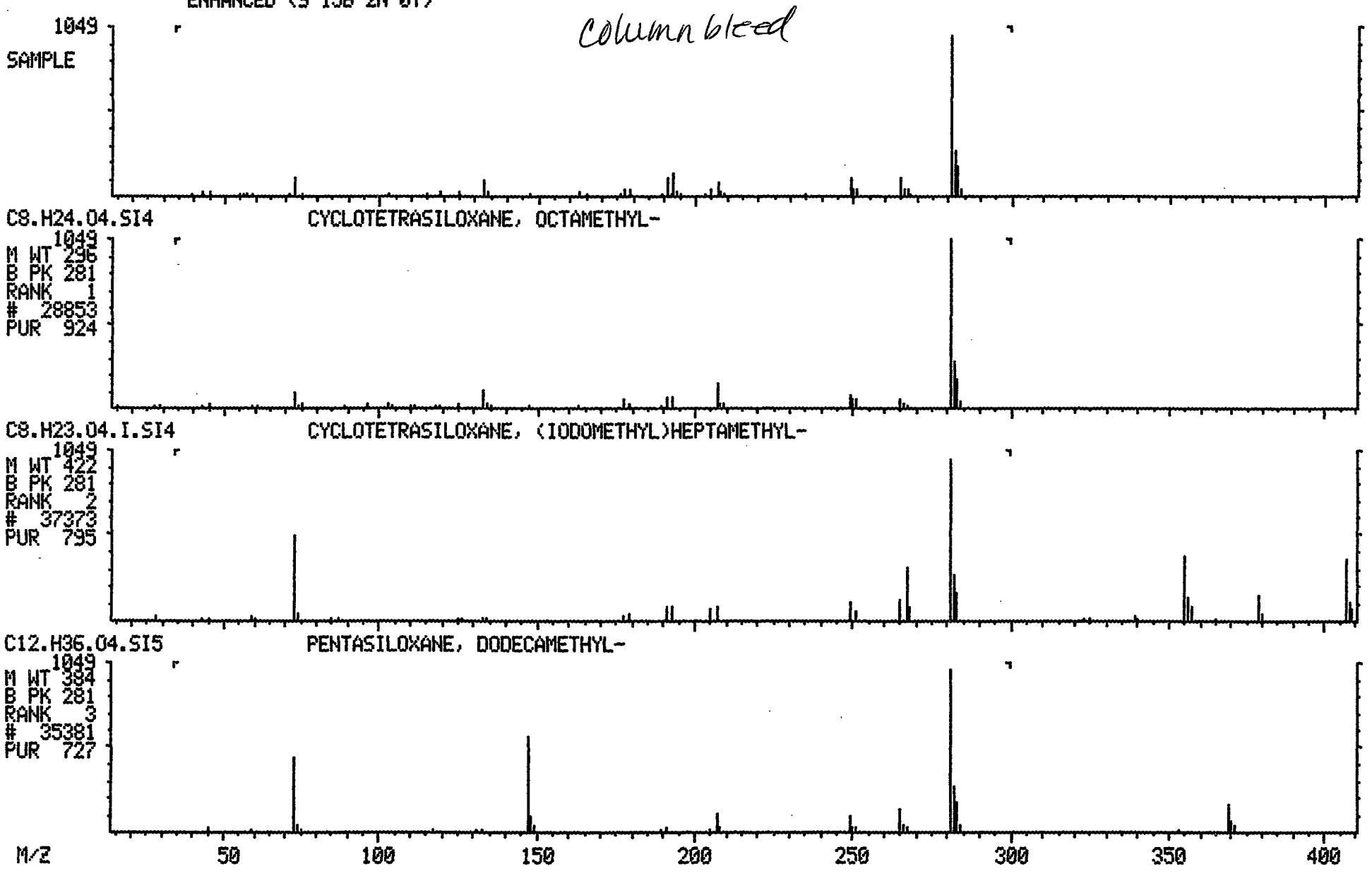


MID LIBRARY SEARCH
05/01/92 16:26:00 + 22:49
SAMPLE: 60020103, EQK02, 5G/5ML
CONDS.: INCOS50-1
ENHANCED (S 15B 2N 0T)

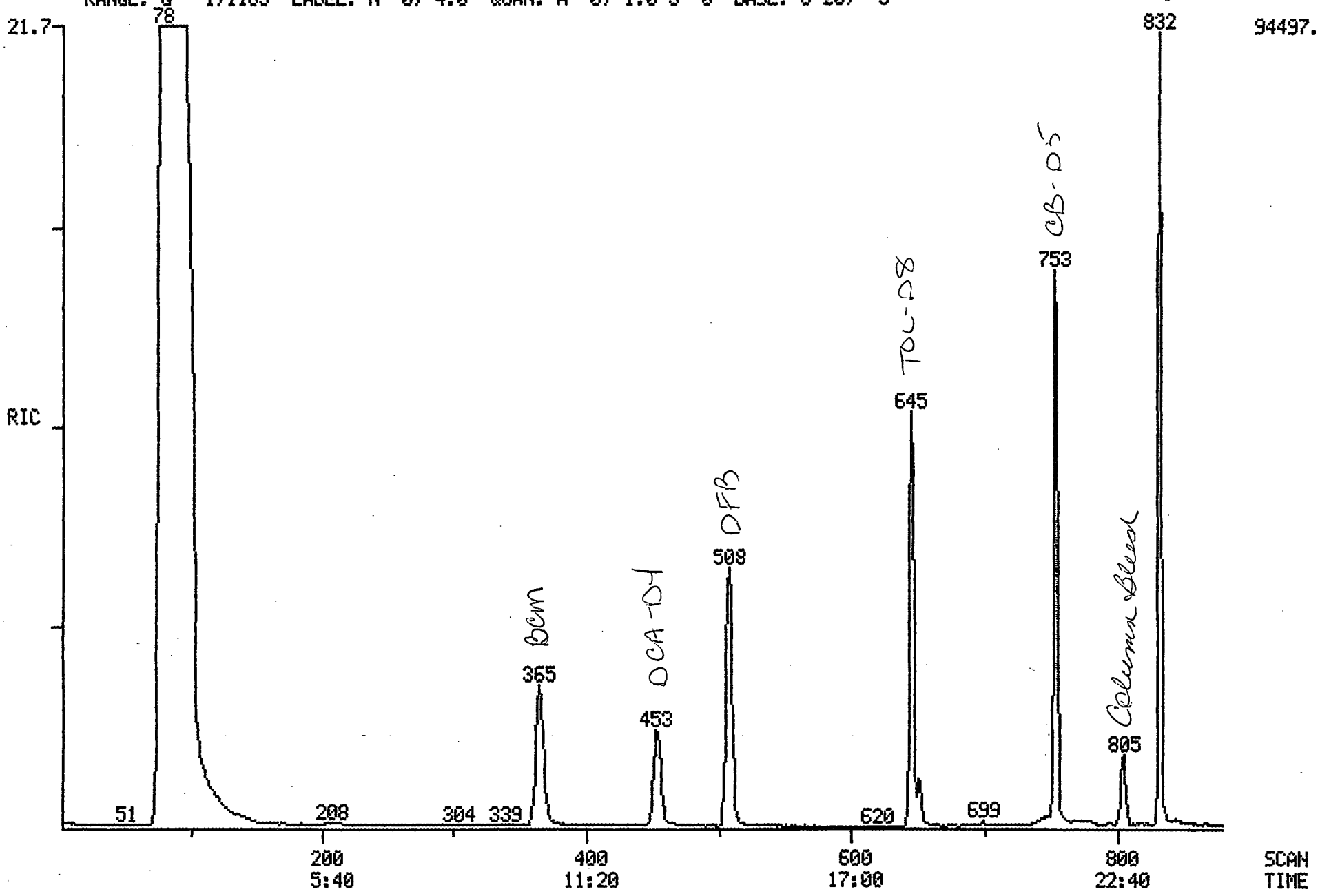
DATA: VOI3332 # 805
CALI: VOI3332 # 3

BASE M/Z: 281
RIC: 7647.

000041



MIDRIC DATA: VOI3333 #1 SCANS 1 TO 880
05/01/92 17:07:00 CALI: VOI3333 #3
SAMPLE: 60021101, EQK03, 5G/5ML
CONDS.: INCOS50-1
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



94497.

000044

Quantitation Report File: VOI3333

Data: VOI3333.TI
05/01/92 17:07:00
Sample: 60021101, EQK03, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.001
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	365	10:21	1	1.000	A BB	16102.	250.000	NG	16.15
2	114	508	14:24	2	1.000	A BB	64699.	250.000	NG	16.15
3	117	753	21:20	3	1.000	A BB	56441.	250.000	NG	16.15
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	97	403	11:25	2	0.793	A BB	53.	0.451	NG	0.03
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	78	466	13:12	2	0.917	A BB	599.	3.293	NG	0.21
27	NOT FOUND									
28	NOT FOUND									
29	NOT FOUND									
30	NOT FOUND									
31	164	699	19:49	3	0.928	A BB	212.	1.538	NG	0.10
32	NOT FOUND									
33	91	651	18:27	3	0.865	A BB	6237.	28.668	NG	1.85
34	NOT FOUND									
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	98	645	18:17	3	0.857	A BB	59483.	288.807	NG	18.66
39	95	832	23:35	3	1.105	A BB	38733.	179.292	NG	11.58
40	65	453	12:50	1	1.241	A BB	23794.	229.931	NG	14.85
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	146	907	25:42	3	1.205	A BB	351.	1.112	NG	0.07
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

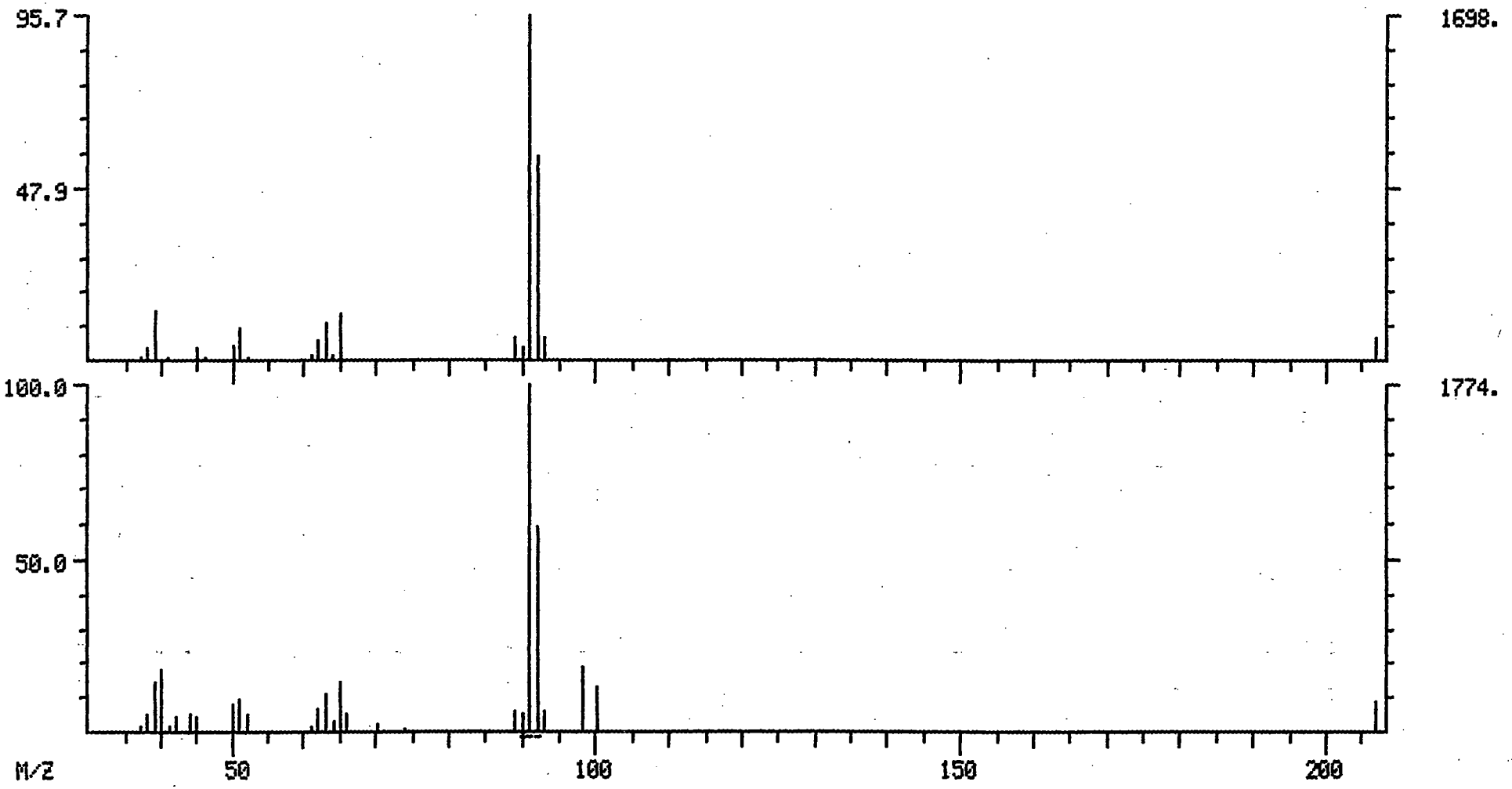
MID DUAL MASS SPECTRUM
05/01/92 17:07:00 + 18:27
SAMPLE: 60021101, EQK03, 5G/5ML
CONDS.: INCOS50-1
GC TEMP: 104 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3333 #651
CALI: VOI3333 #3

BASE M/Z: 91/ 91
RIC: 4319./ 6007.

000047

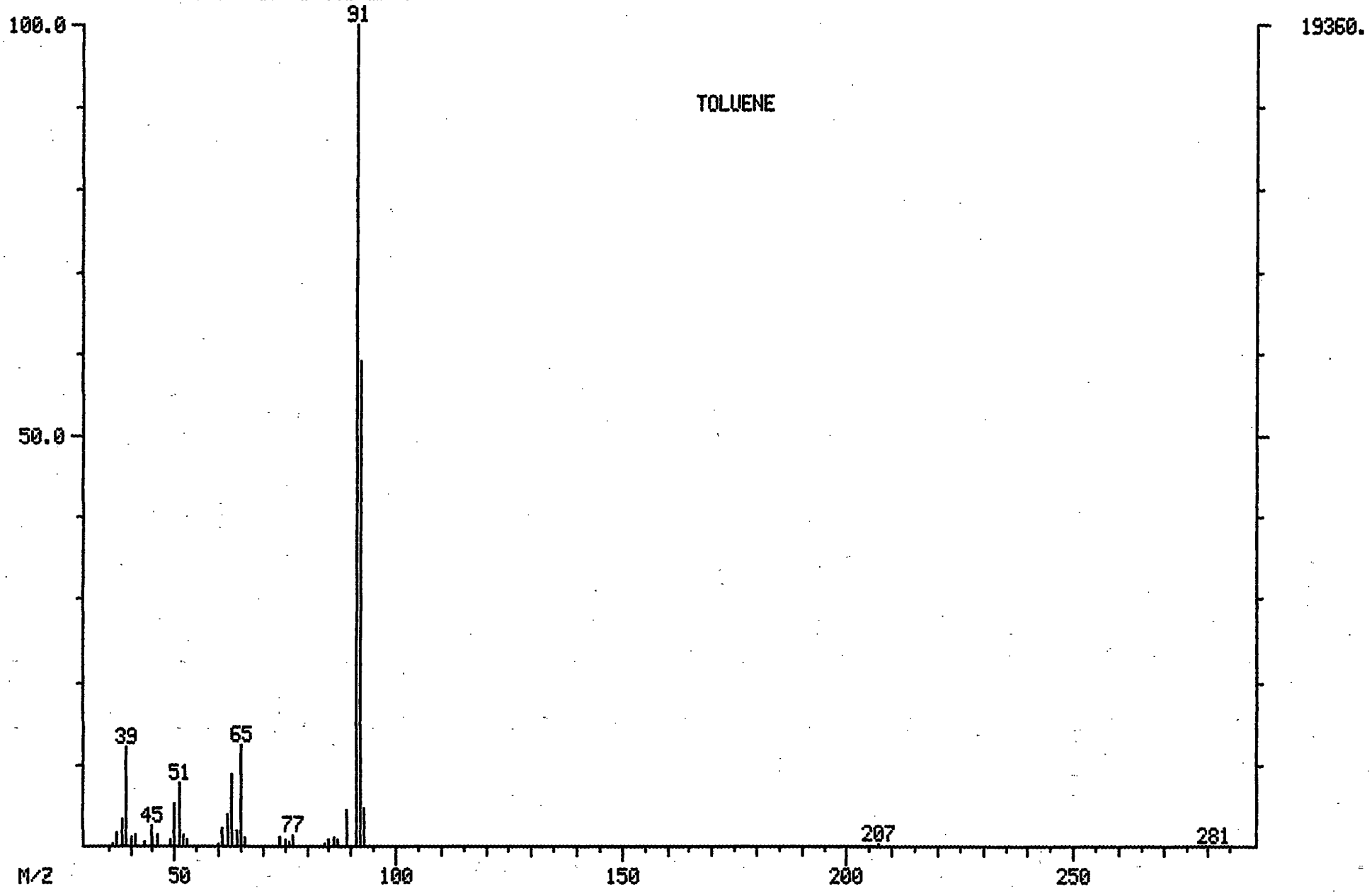
TOLUENE



MID MASS SPECTRUM
05/01/92 8:32:00 + 18:27
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-1
GC TEMP: 104 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3321 #651
CALI: VOI3321 #3

BASE M/Z: 91
RIC: 47872.



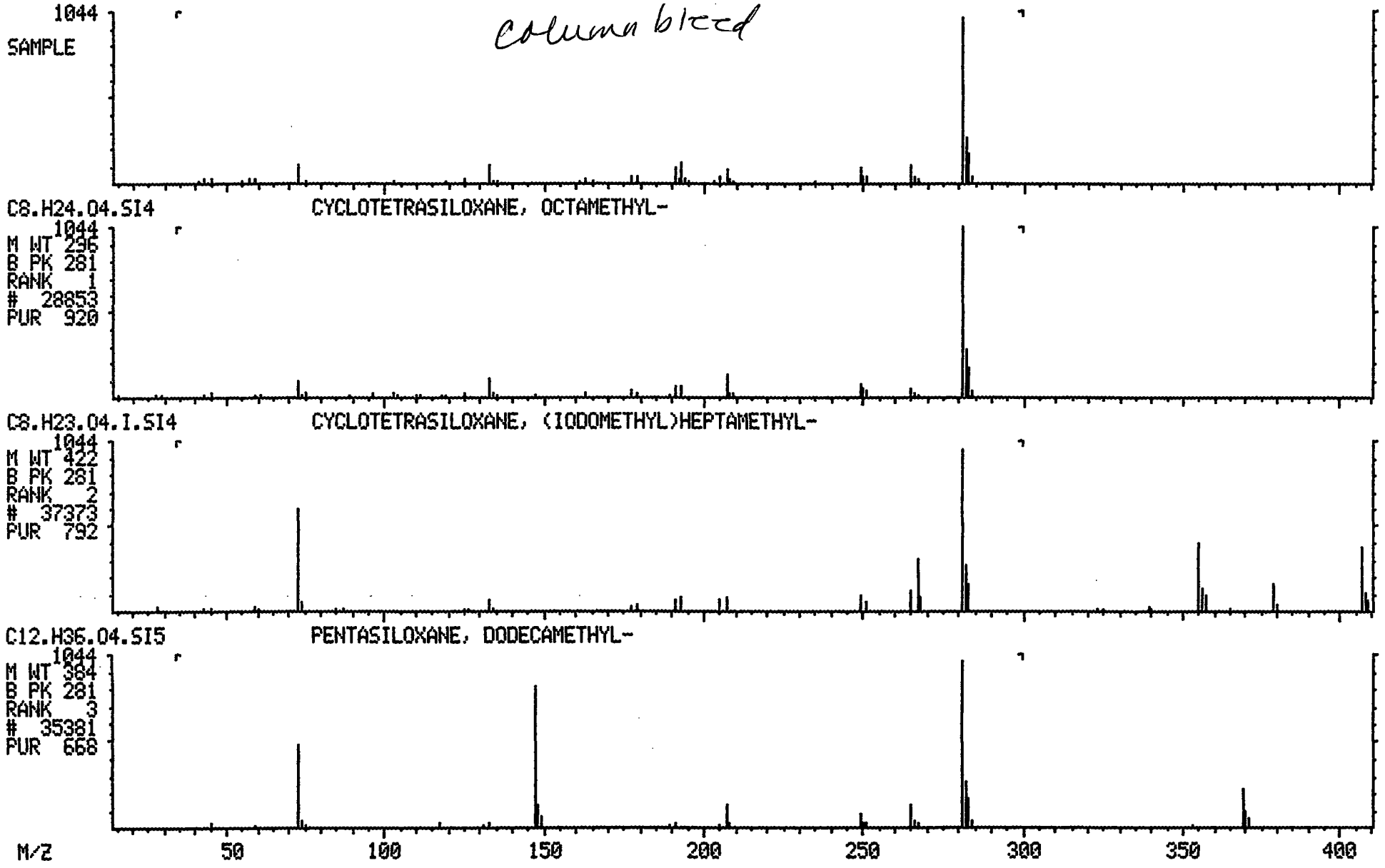
000048

MID LIBRARY SEARCH
05/01/92 17:07:00 + 22:49
SAMPLE: 60021101, EQK03, 5G/5ML
CONDS.: INCOS50-1
ENHANCED (S 15B 2N 0T)

DATA: VOI3333 # 805
CALI: VOI3333 # 3

BASE M/Z: 281
RIC: 8255.

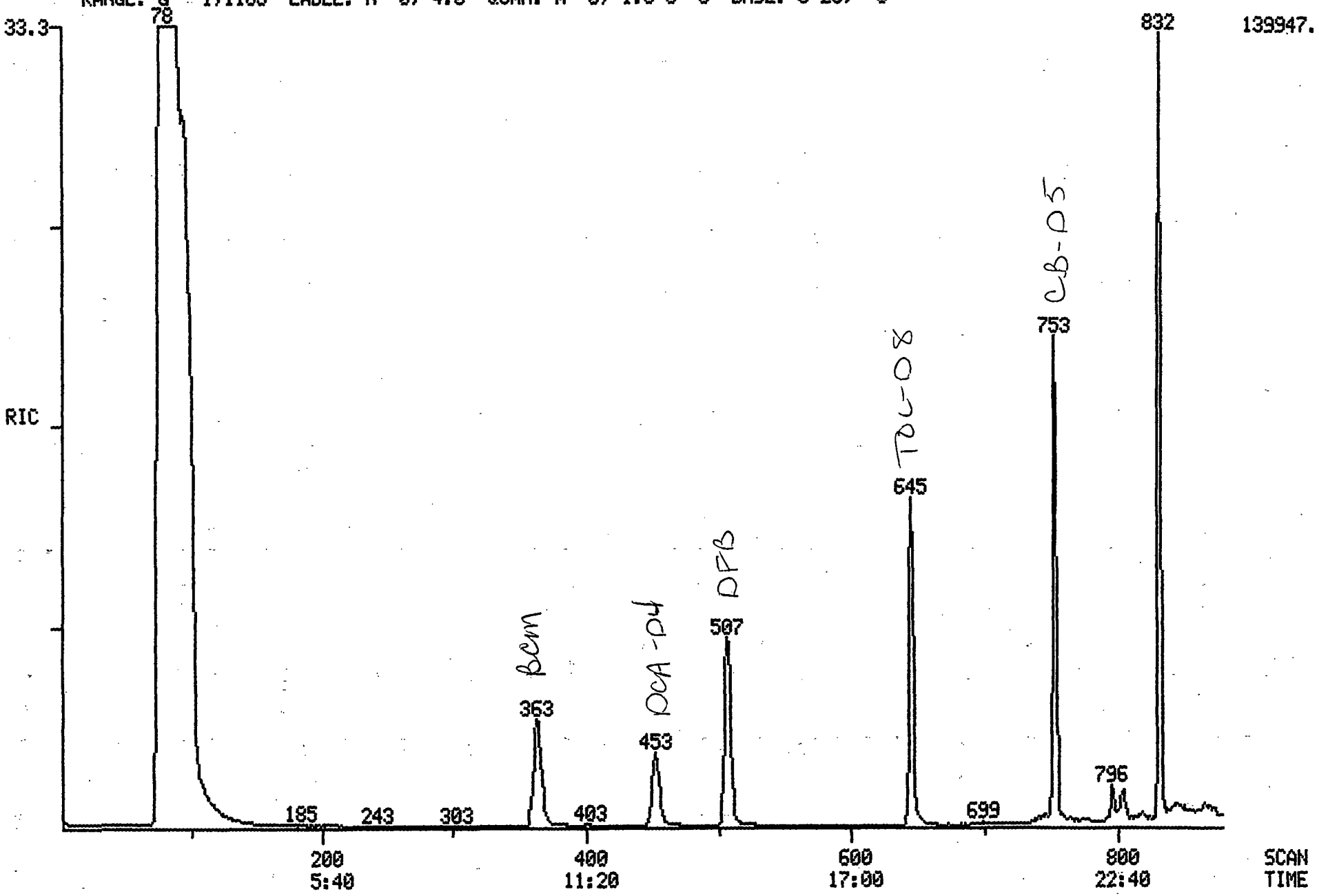
000049



MIDRIC
05/01/92 13:01:00
SAMPLE: 60015101, EQK04, 5G/5ML
CONDS.: INCOS50-1
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOI3327 #1
CALI: VOI3327 #3

SCANS 1 TO 880



000052

Quantitation Report File: VOI3327

Data: VOI3327.TI
05/01/92 13:01:00
Sample: 60015101, EQK04, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.001
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

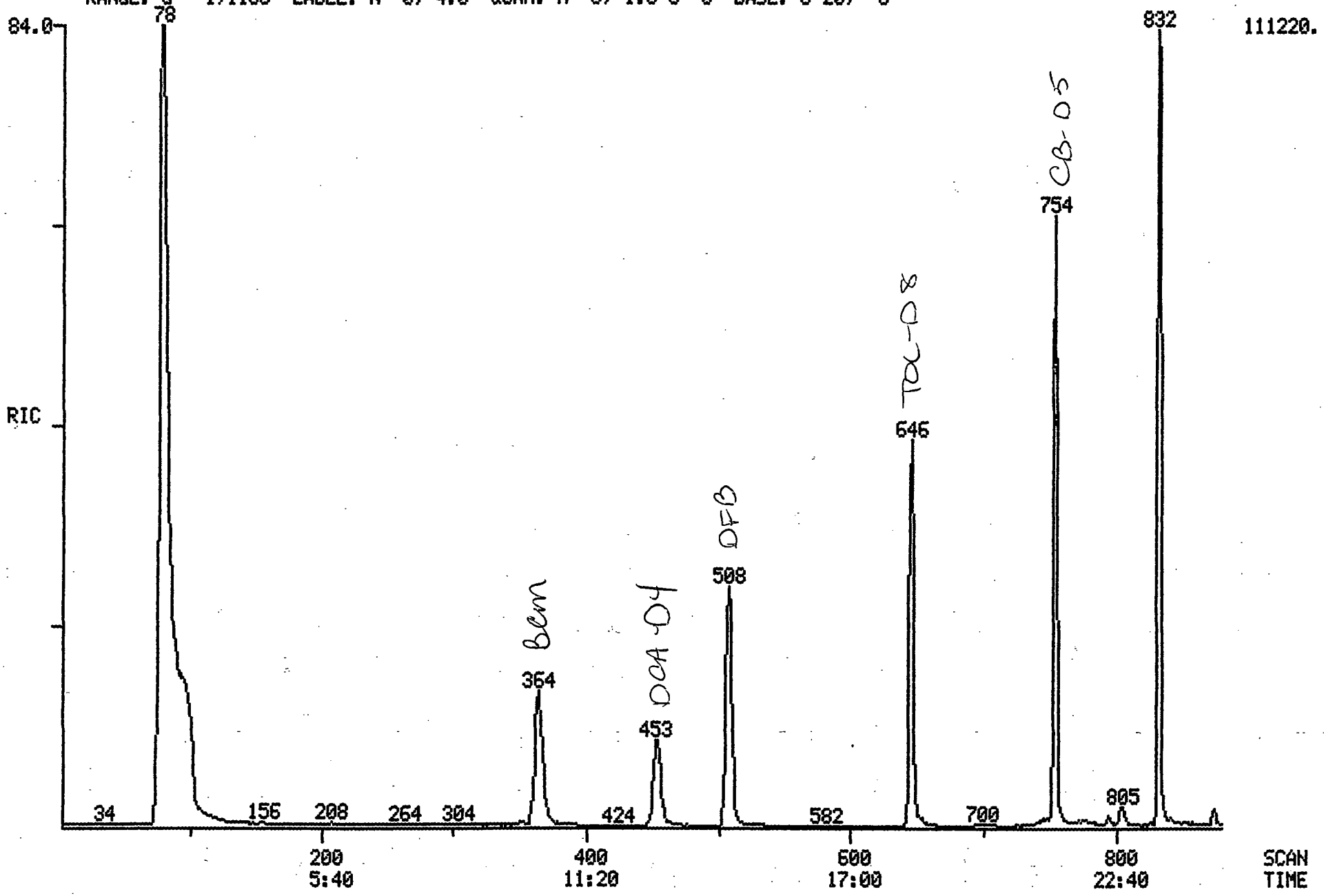
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	363	10:17	1	1.000	A BB	17746.	250.000 NG	15.94
2	114	507	14:22	2	1.000	A BB	72721.	250.000 NG	15.94
3	117	753	21:20	3	1.000	A BB	73062.	250.000 NG	15.94
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	NOT FOUND								
9	43	155	4:24	1	0.427	A BB	449.	~~15~~.530 NG	0.99
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	43	303	8:35	1	0.835	A BB	88.	2.046 NG	0.13
17	97	402	11:24	2	0.793	A BB	423.	3.202 NG	0.20
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	78	465	13:11	2	0.917	A BB	531.	2.597 NG	0.17
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	43	683	19:21	3	0.907	A BB	58.	0.734 NG	0.05
31	164	699	19:49	3	0.928	A BB	181.	1.014 NG	0.06
32	NOT FOUND								
33	91	651	18:27	3	0.865	A BB	1065.	3.782 NG	0.24
34	NOT FOUND								
35	106	766	21:42	3	1.017	A BB	109.	0.931 NG	0.06
36	NOT FOUND								
37	106	766	21:42	3	1.017	A BB	109.	0.696 NG	0.04
38	98	645	18:17	3	0.857	A BB	68820.	258.126 NG	16.45
39	95	832	23:35	3	1.105	A BB	57856.	206.885 NG	13.19
40	65	453	12:50	1	1.248	A BB	26927.	236.090 NG	15.05
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	146	906	25:40	3	1.203	A BB	702.	1.717 NG	0.11
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

Low hit 5/5/92 JCL

MIDRIC
05/01/92 17:58:00
SAMPLE: 60022101, EQK05, 5G/5ML
CONDS.: INCOS50-1
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOI3334 #1
CALI: VOI3334 #3

SCANS 1 TO 880



000057

Quantitation Report File: VOI3334

Data: VOI3334.TI
05/01/92 17:58:00
Sample: 60022101, EQK05, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.001
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	364	10:19	1	1.000	A BB	18102.	250.000	NG	15.67
2	114	508	14:24	2	1.000	A BB	69222.	250.000	NG	15.67
3	117	754	21:22	3	1.000	A BB	68431.	250.000	NG	15.67
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	NOT FOUND									
9	43	155	4:24	1	0.426	A BB	1734.	58.798	NG	3.69
10	76	208	5:54	1	0.571	A BB	481.	2.409	NG	0.15
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	NOT FOUND									
16	43	303	8:35	1	0.832	A BB	331.	7.544	NG	0.47
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	78	466	13:12	2	0.917	A BB	604.	3.103	NG	0.19
27	NOT FOUND									
28	NOT FOUND									
29	NOT FOUND									
30	43	683	19:21	3	0.906	A BB	91.	1.230	NG	0.08
31	164	700	19:50	3	0.928	A BB	126.	0.754	NG	0.05
32	NOT FOUND									
33	91	652	18:29	3	0.865	A BB	565.	2.142	NG	0.13
34	NOT FOUND									
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	98	646	18:18	3	0.857	A BB	64657.	258.925	NG	16.23
39	95	833	23:36	3	1.105	A BB	53188.	203.064	NG	12.73
40	65	454	12:52	1	1.247	A BB	26220.	225.373	NG	14.13
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	146	907	25:42	3	1.203	A BB	455.	1.188	NG	0.07
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

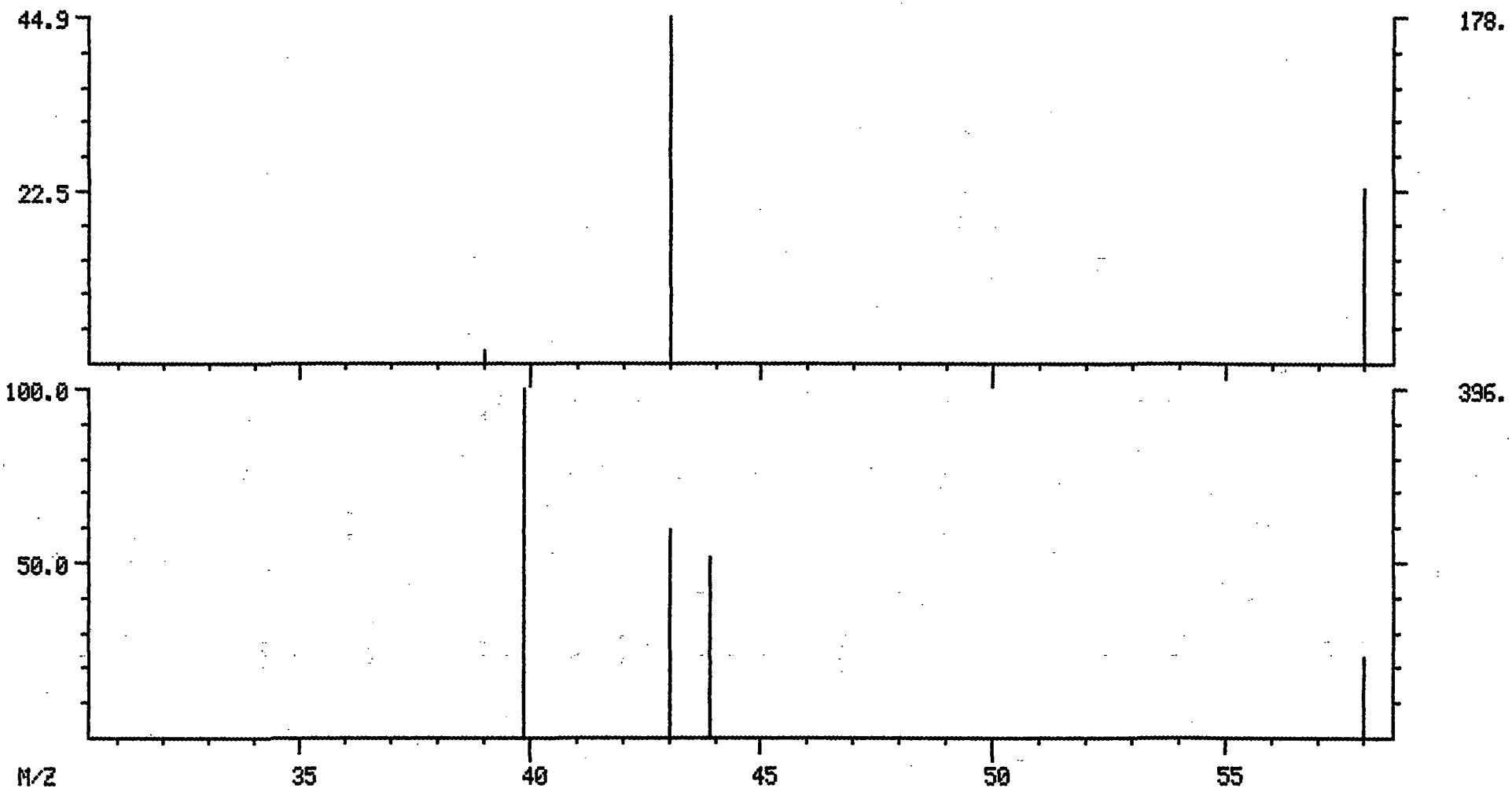
MID DUAL MASS SPECTRUM
05/01/92 17:58:00 + 4:24
SAMPLE: 60022101, EQK05, 5G/5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3334 #155
CALI: VOI3334 #3

BASE M/Z: 43/ 40
RIC: 273./ 924.

090000

ACETONE

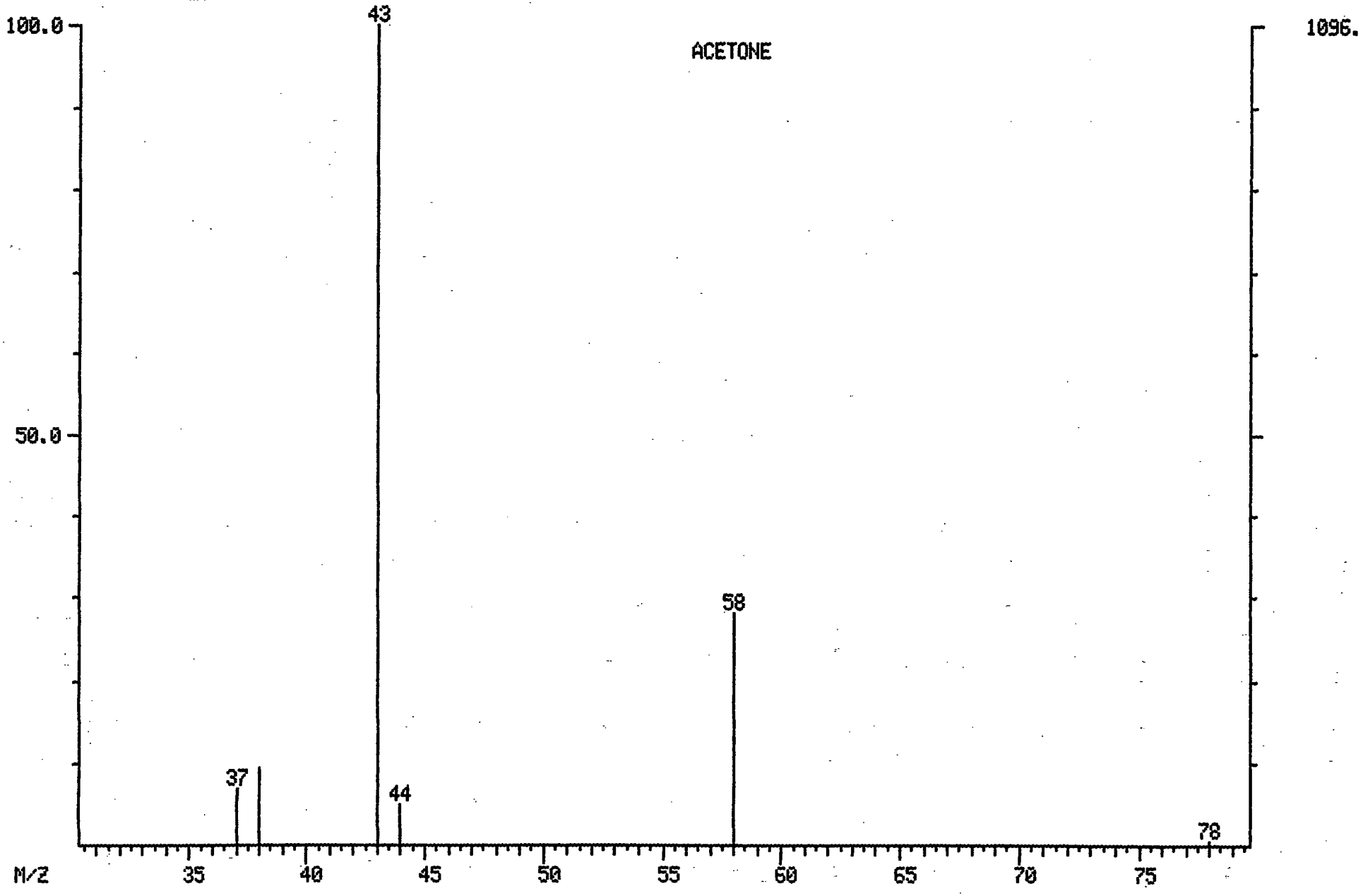


MID MASS SPECTRUM
05/01/92 8:32:00 + 4:24
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3321 #155
CALI: VOI3321 #3

BASE M/Z: 43
RIC: 1644.

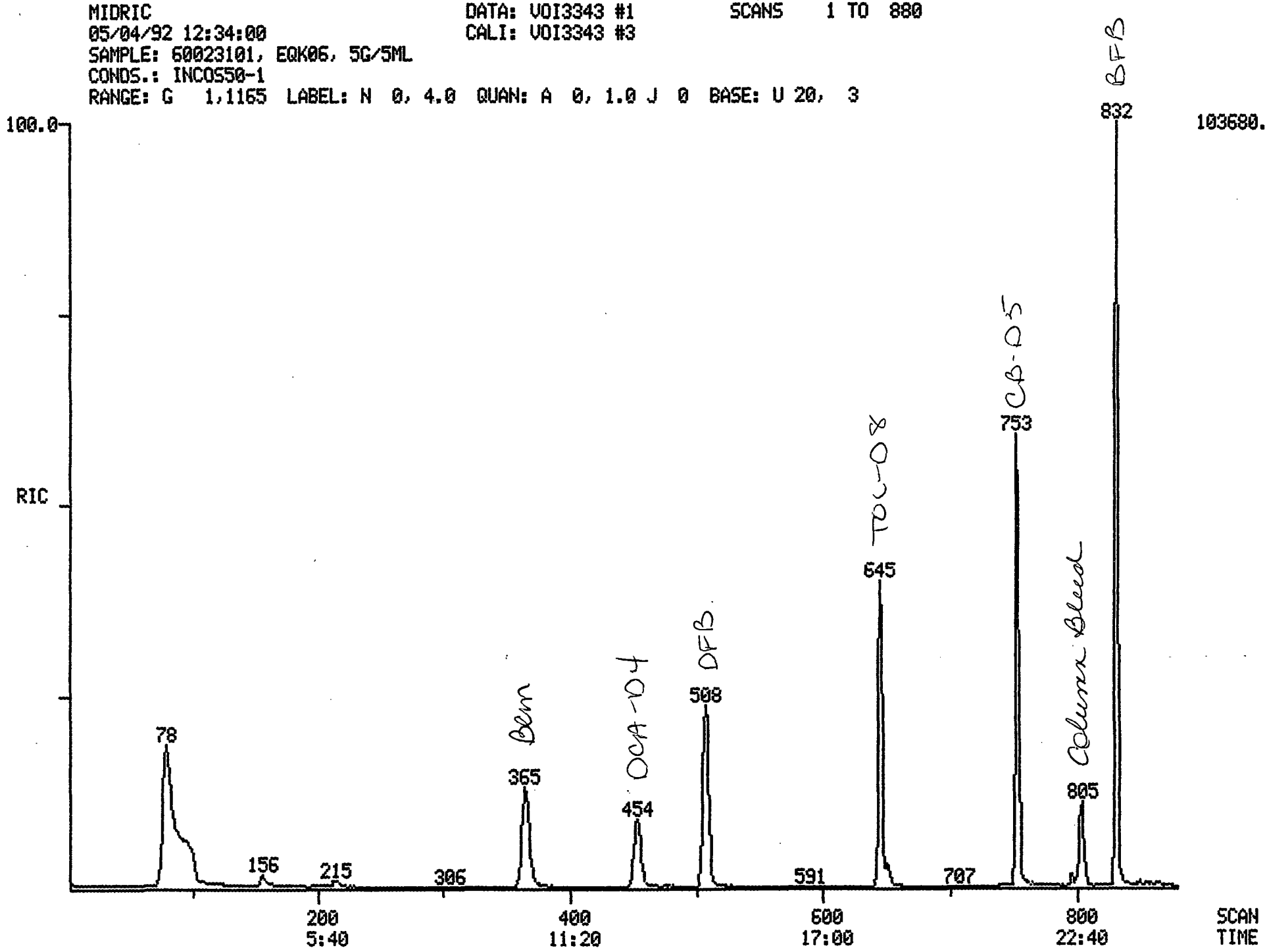
000061



MIDRIC
05/04/92 12:34:00
SAMPLE: 60023101, EQK06, 5G/5ML
CONDS.: INCOS50-1
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOI3343 #1
CALI: VOI3343 #3

SCANS 1 TO 880



000064

Quantitation Report File: VOI3343

Data: VOI3343.TI
05/04/92 12:34:00
Sample: 60023101, EQK06, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	365	10:21	1	1.000	A BB	12790.	250.000 NG	12.63
2	114	508	14:24	2	1.000	A BB	51462.	250.000 NG	12.63
3	117	753	21:20	3	1.000	A BB	51887.	250.000 NG	12.63
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	84	198	5:37	1	0.542	A BB	255.	5.098 NG	0.26
9	43	156	4:25	1	0.427	A BB	5856.	332.343 NG	16.79
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	43	305	8:39	1	0.836	A BB	125.	5.585 NG	0.28
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	78	465	13:11	2	0.915	A BB	418.	3.039 NG	0.15
27	NOT FOUND								
28	NOT FOUND								
29	43	615	17:26	3	0.817	A BB	326.	4.355 NG	0.22
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	91	651	18:27	3	0.865	A BB	2927.	15.817 NG	0.80
34	112	756	21:25	3	1.004	A BB	175.	0.922 NG	0.05
35	NOT FOUND								
36	NOT FOUND								
37	106	765	21:41	3	1.016	A BB	76.	0.706 NG	0.04
38	98	645	18:17	3	0.857	A BB	50274.	281.155 NG	14.21
39	95	832	23:35	3	1.105	A BB	41879.	216.860 NG	10.96
40	65	454	12:52	1	1.244	A BB	19487.	271.105 NG	13.70
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	146	906	25:40	3	1.203	A BB	765.	2.599 NG	0.13
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	85	95	2:42	1	0.260	A BB	32.	0.384 NG	0.02

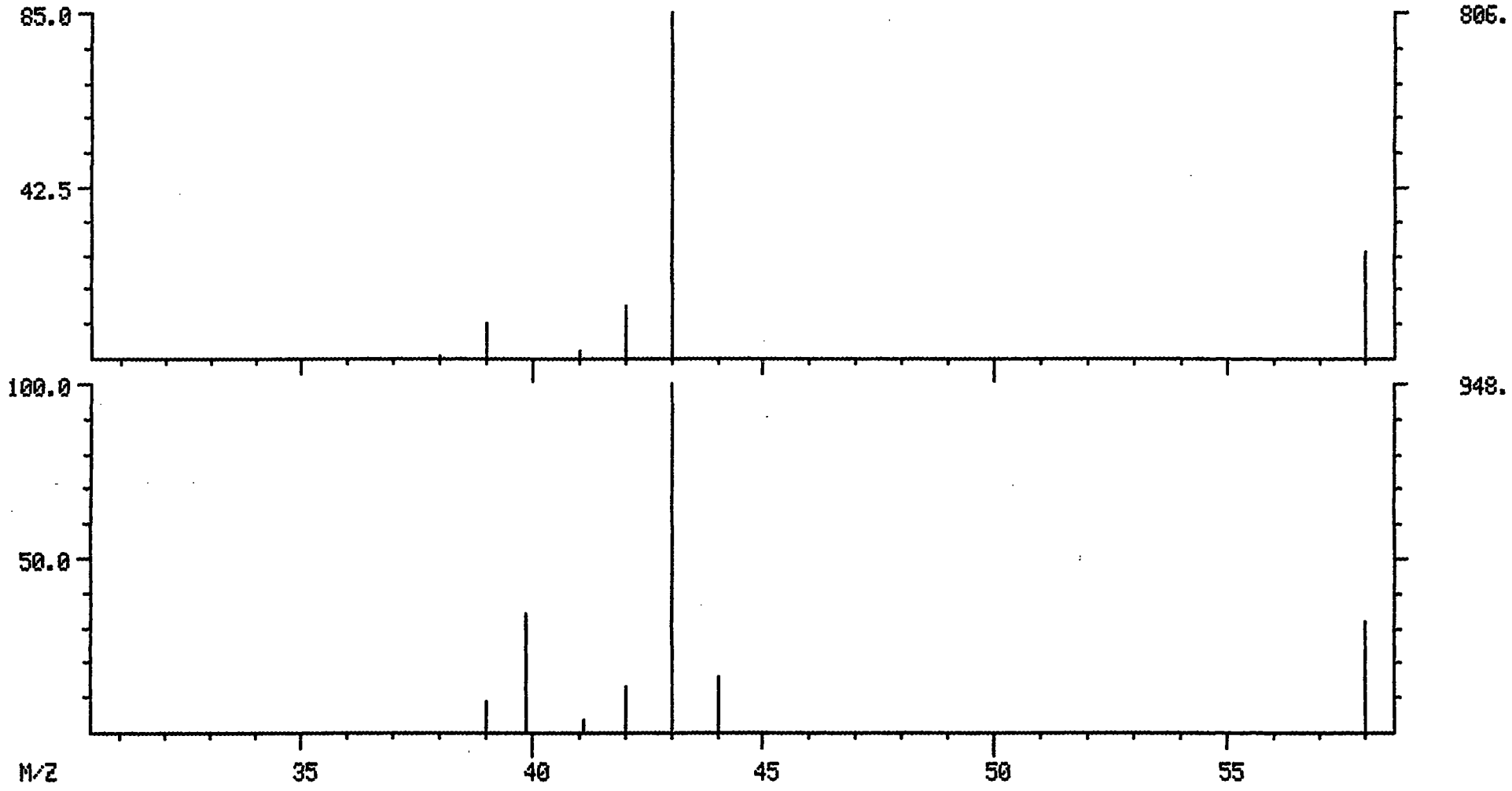
MID DUAL MASS SPECTRUM
05/04/92 12:34:00 + 4:25
SAMPLE: 60023101, EQK06, 5G/5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3343 #156
CALI: VOI3343 #3

BASE M/Z: 43/ 43
RIC: 1283./ 1955.

000067

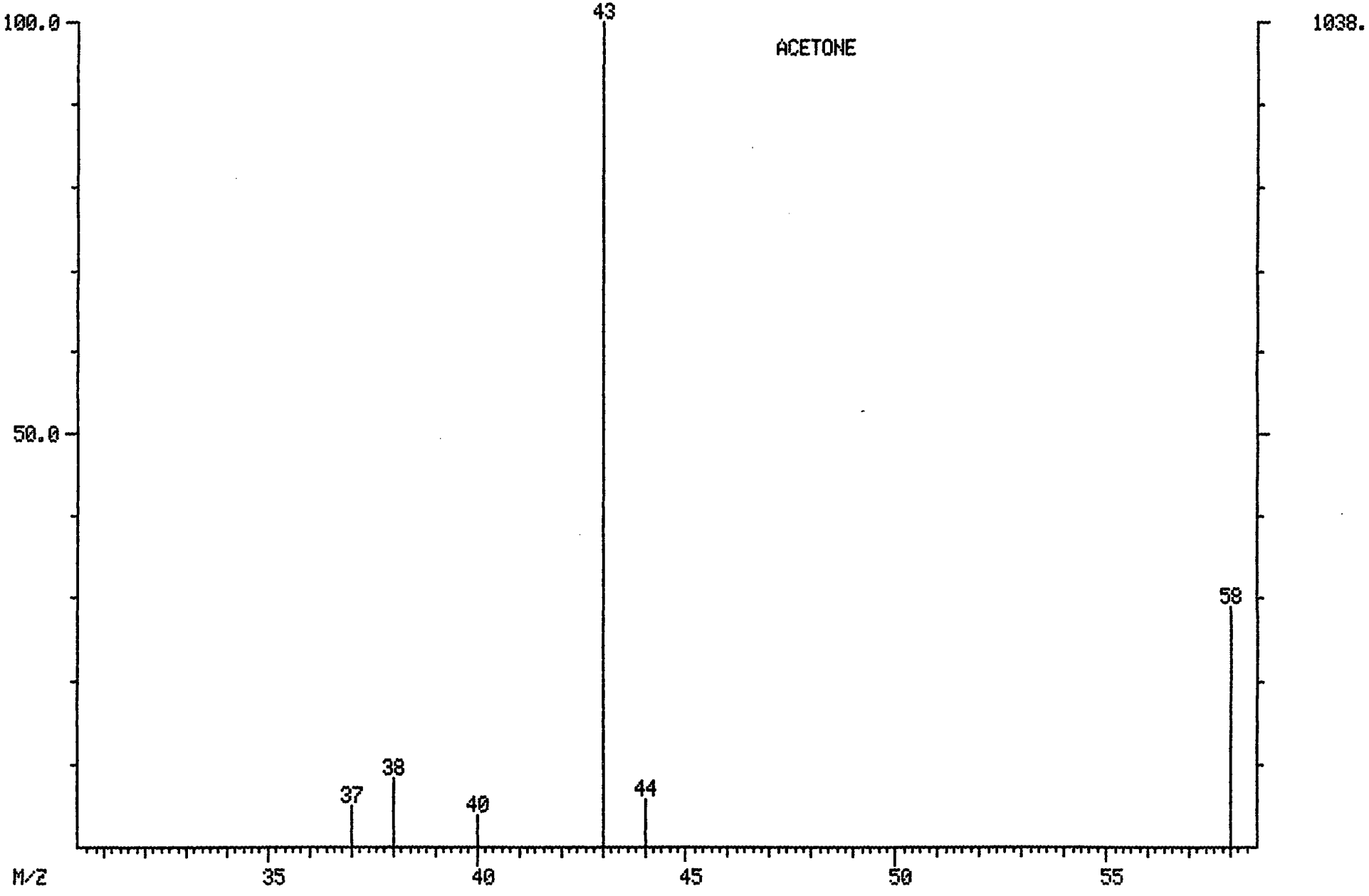
ACETONE



MID MASS SPECTRUM
05/04/92 8:40:00 + 4:24
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3338 #155
CALI: VOI3338 #3

BASE M/Z: 43
RIC: 1576.

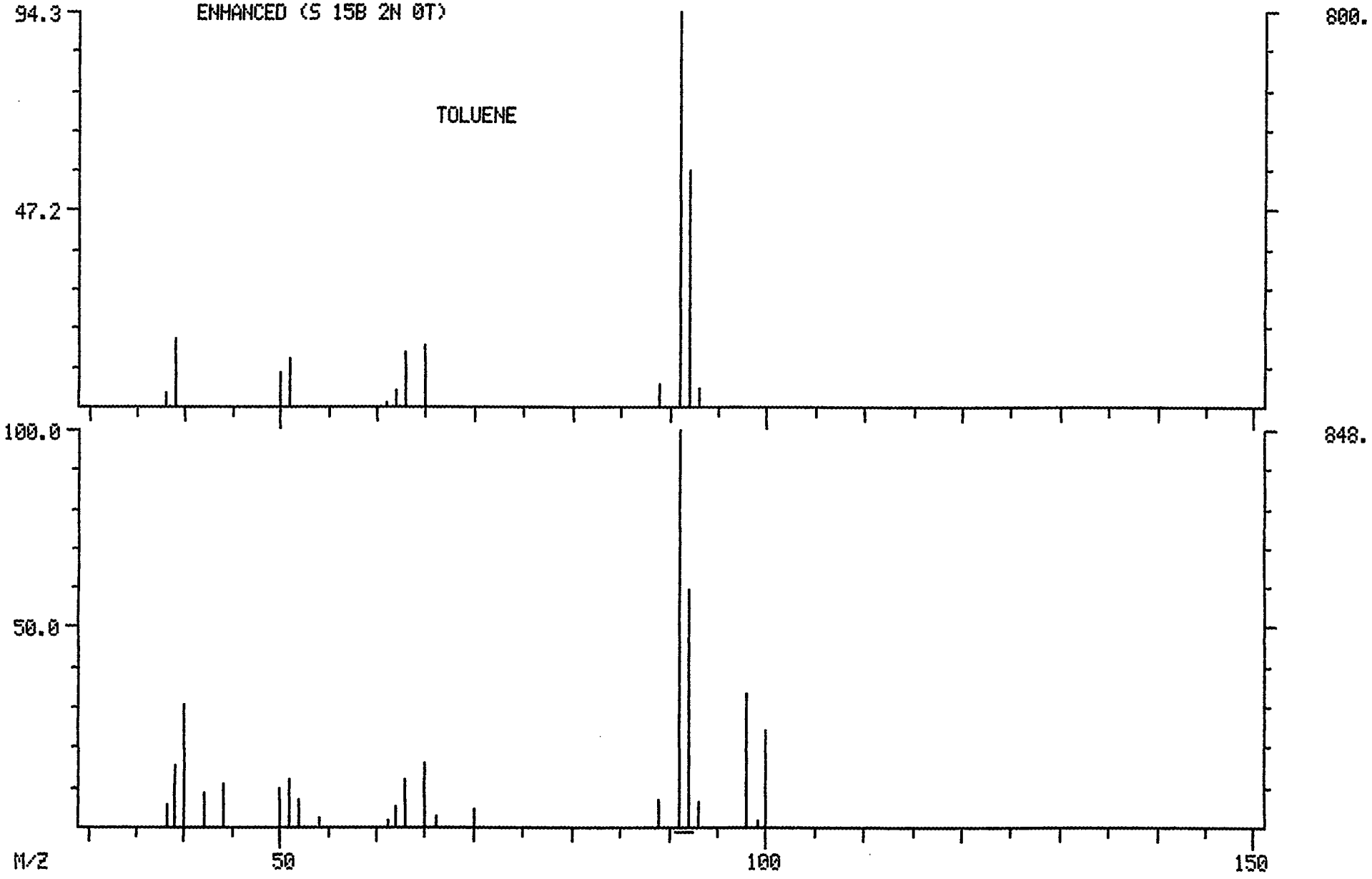


000068

MID DUAL MASS SPECTRUM
05/04/92 12:34:00 + 18:27
SAMPLE: 60023101, EQK06, 5G/5ML
CONDS.: INCOS50-1
GC TEMP: 104 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3343 #651
CALI: VOI3343 #3

BASE M/Z: 91/ 91
RIC: 2111./ 3415.

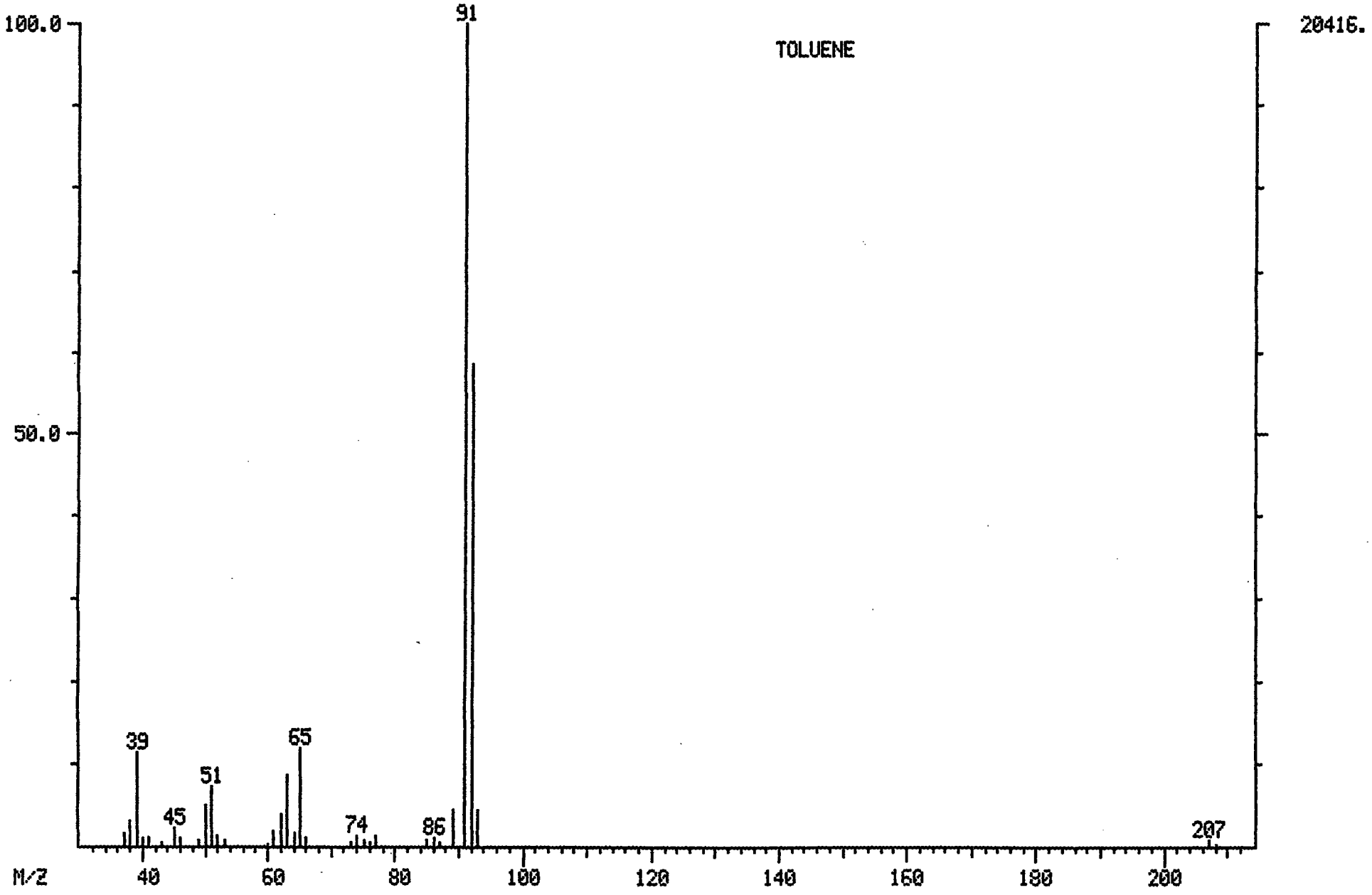


690000

MID MASS SPECTRUM
05/04/92 8:40:00 + 18:25
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-1
GC TEMP: 104 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3338 #650
CALI: VOI3338 #3

BASE M/Z: 91
RIC: 49536.



000070

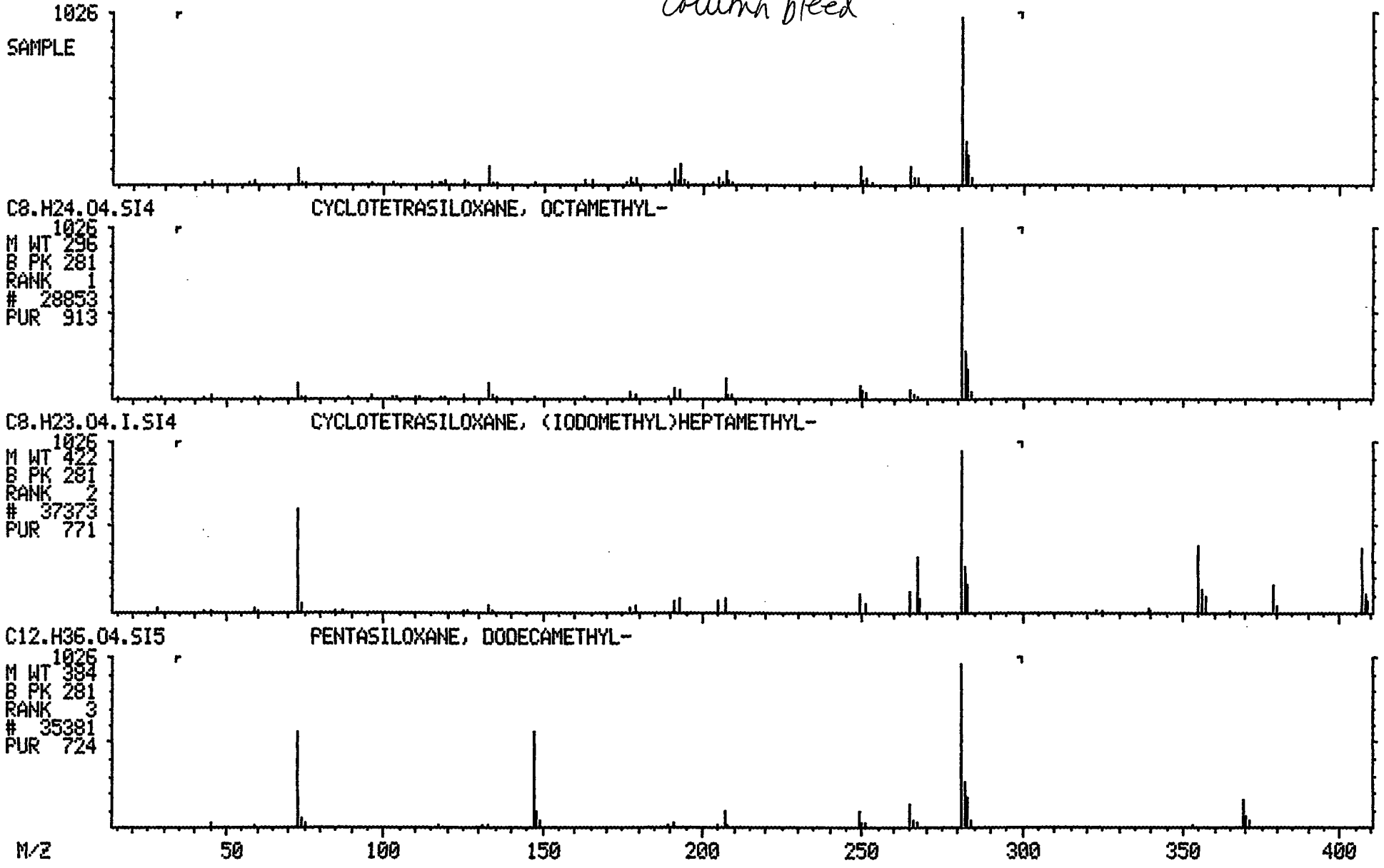
MID LIBRARY SEARCH
05/04/92 12:34:00 + 22:49
SAMPLE: 60023101, EQK06, 5G/5ML
CONDS.: INCOS50-1
ENHANCED (S 15B 2N 0T)

DATA: VOI3343 # 805
CALI: VOI3343 # 3

BASE M/Z: 281
RIC: 10751.

000071

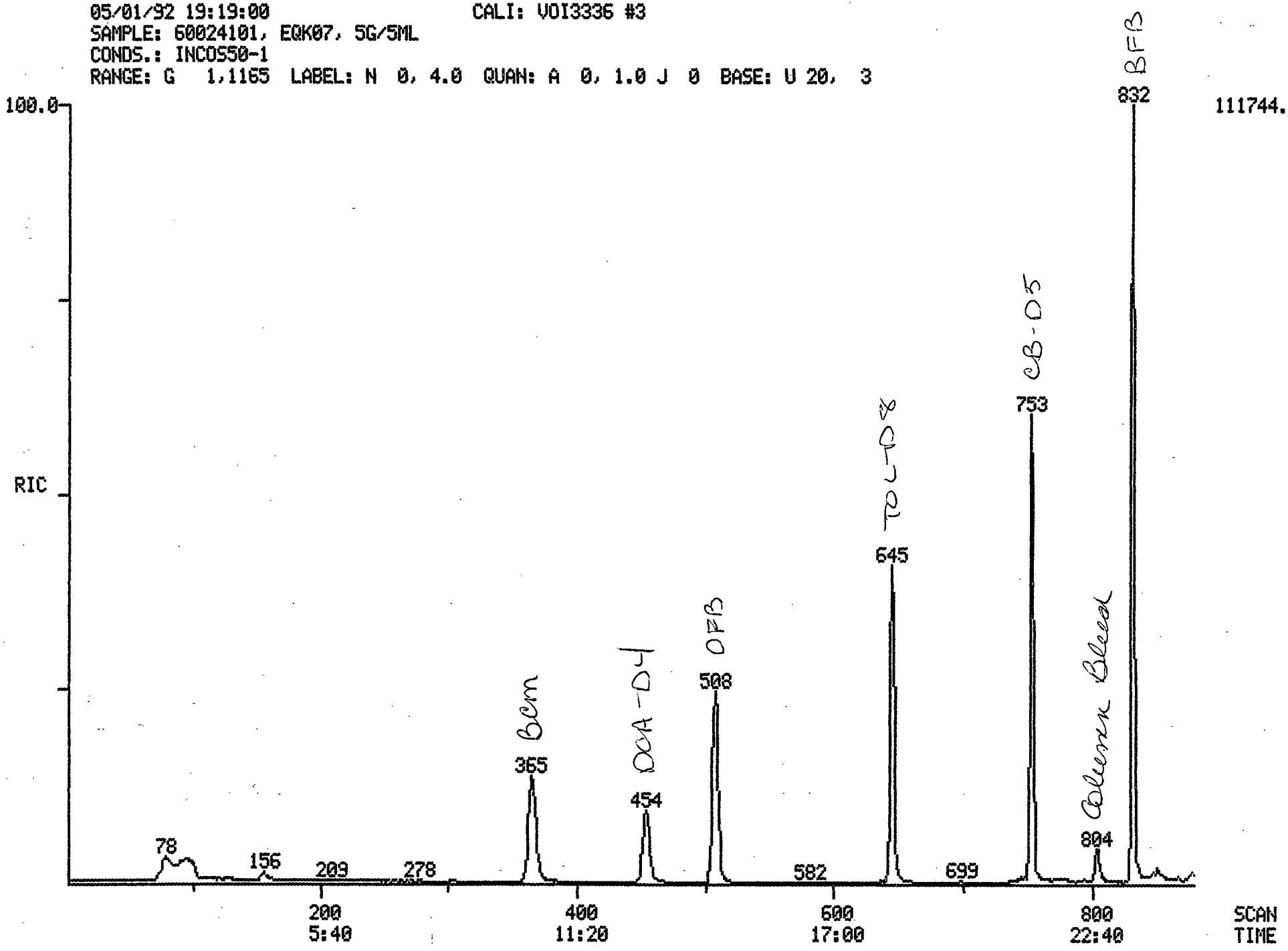
column bleed



MIDRIC
05/01/92 19:19:00
SAMPLE: 60024101, EQK07, 5G/5ML
CONDS.: INCOS50-1
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOI3336 #1
CALI: VOI3336 #3

SCANS 1 TO 880



000074

Quantitation Report File: VOI3336

Data: VOI3336.TI
05/01/92 19:19:00
Sample: 60024101, EQK07, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	365	10:21	1	1.000	A BB	14333.	250.000	NG	13.91
2	114	508	14:24	2	1.000	A BB	57071.	250.000	NG	13.91
3	117	753	21:20	3	1.000	A BB	57109.	250.000	NG	13.91
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	NOT FOUND									
9	43	156	4:25	1	0.427	A BB	5178.	221.774	NG	12.34
10	76	210	5:57	1	0.575	A BB	1107.	7.001	NG	0.39
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	NOT FOUND									
16	43	304	8:37	1	0.833	A BB	347.	9.989	NG	0.56
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	78	467	13:14	2	0.919	A BB	589.	3.670	NG	0.20
27	NOT FOUND									
28	NOT FOUND									
29	43	614	17:24	3	0.815	A BB	88.	0.857	NG	0.05
30	NOT FOUND									
31	164	699	19:49	3	0.928	A BB	154.	1.104	NG	0.06
32	NOT FOUND									
33	91	651	18:27	3	0.865	A BB	826.	3.752	NG	0.21
34	NOT FOUND									
35	NOT FOUND									
36	NOT FOUND									
37	106	766	21:42	3	1.017	A BB	140.	1.144	NG	0.06
38	98	645	18:17	3	0.857	A BB	55114.	264.464	NG	14.71
39	95	832	23:35	3	1.105	A BB	45594.	208.581	NG	11.60
40	65	454	12:52	1	1.244	A BB	21909.	237.842	NG	13.23
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	146	906	25:40	3	1.203	A BB	484.	1.515	NG	0.08
45	146	928	26:18	3	1.232	A BB	122.	0.420	NG	0.02
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

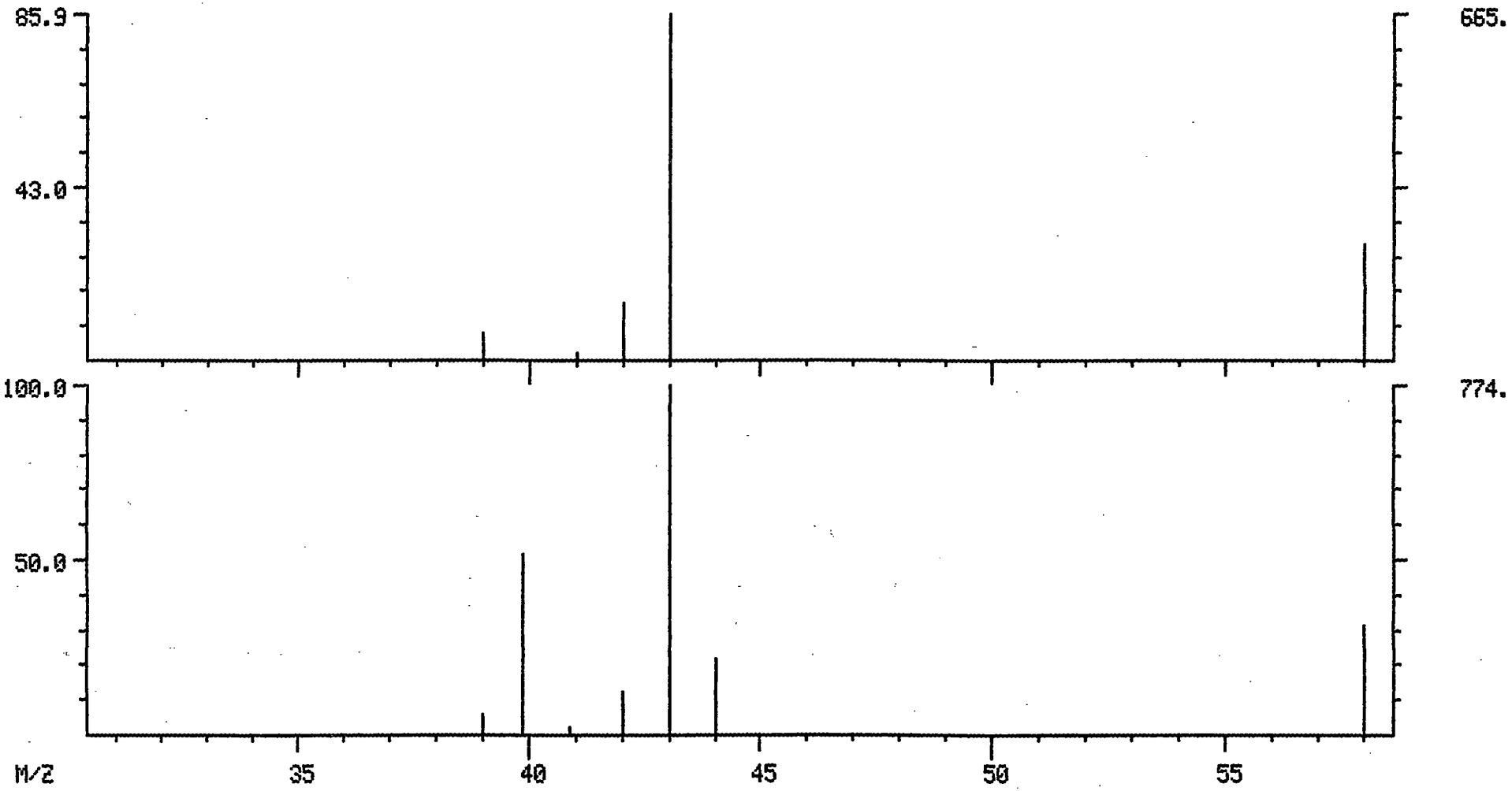
MID DUAL MASS SPECTRUM
05/01/92 19:19:00 + 4:25
SAMPLE: 60024101, EQK07, 5G/5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3336 #156
CALI: VOI3336 #3

BASE M/Z: 43/ 43
RIC: 1063./ 1735.

000077

ACETONE

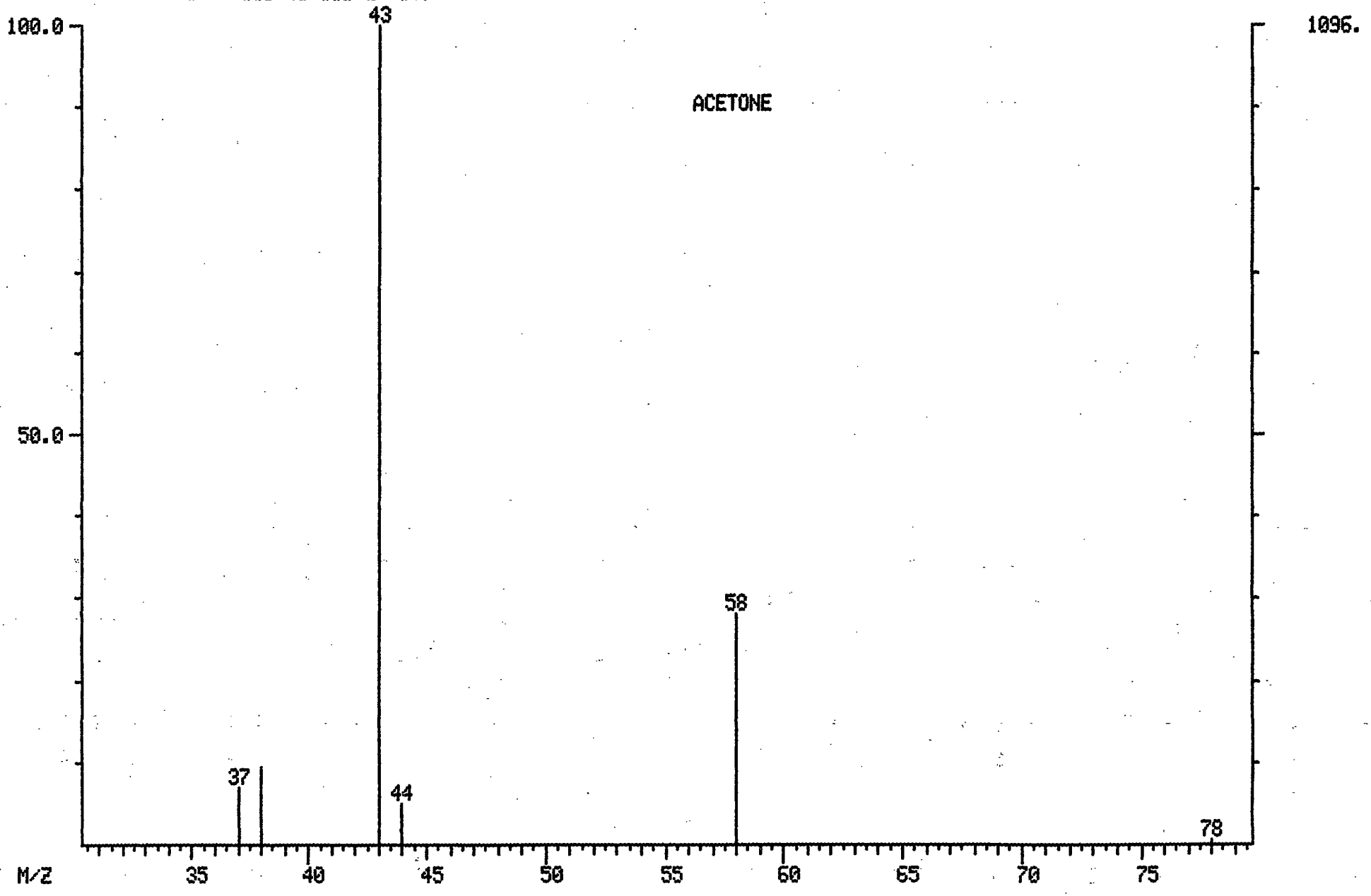


MID MASS SPECTRUM
05/01/92 8:32:00 + 4:24
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3321 #155
CALI: VOI3321 #3

BASE M/Z: 43
RIC: 1644.

000078

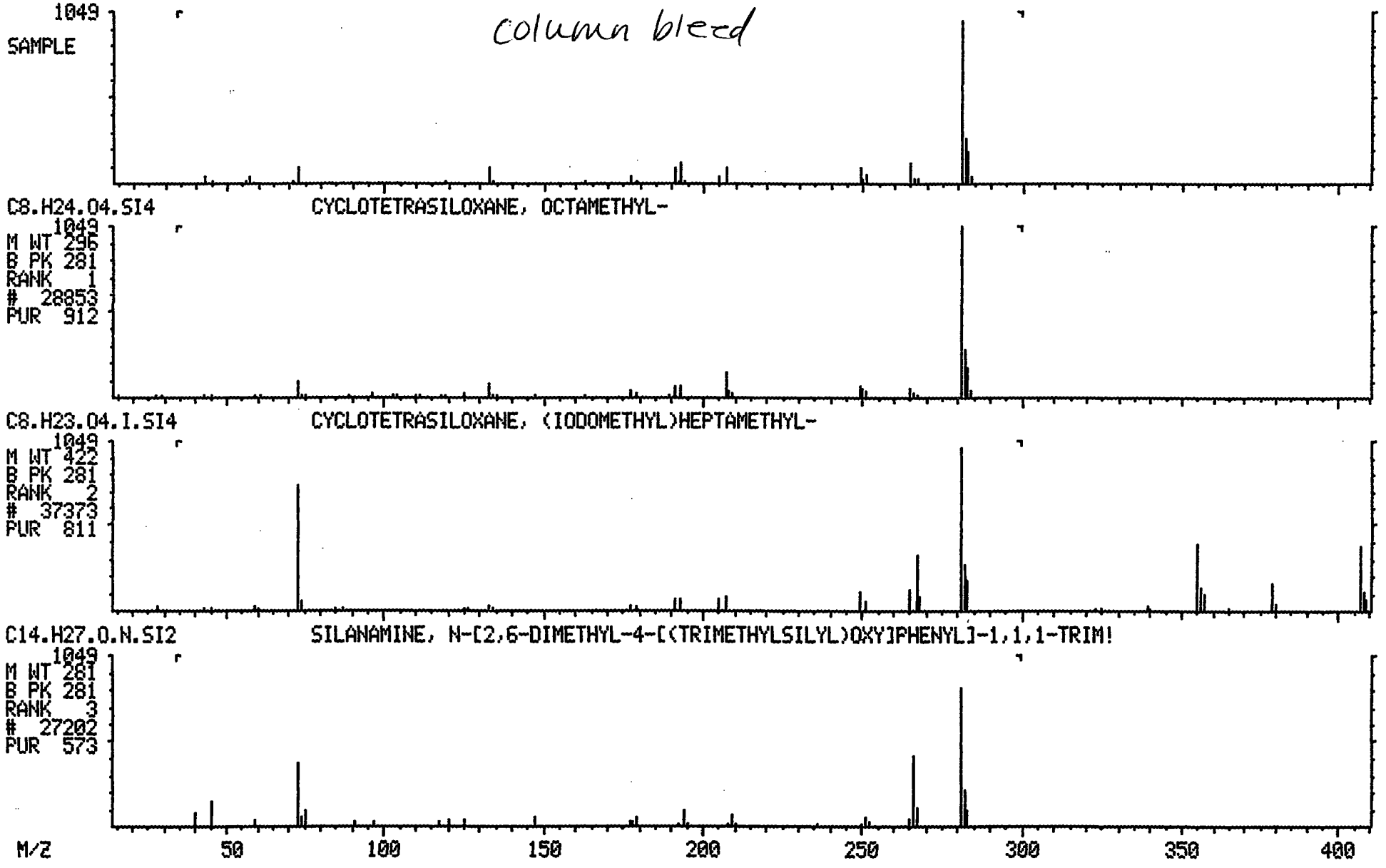


MID LIBRARY SEARCH
05/01/92 19:19:00 + 22:47
SAMPLE: 60024101, EQK07, 5G/5ML
CONDS.: INCOS50-1
ENHANCED (S 15B 2N 0T)

DATA: VOI3336 # 804
CALI: VOI3336 # 3

BASE M/Z: 281
RIC: 4495.

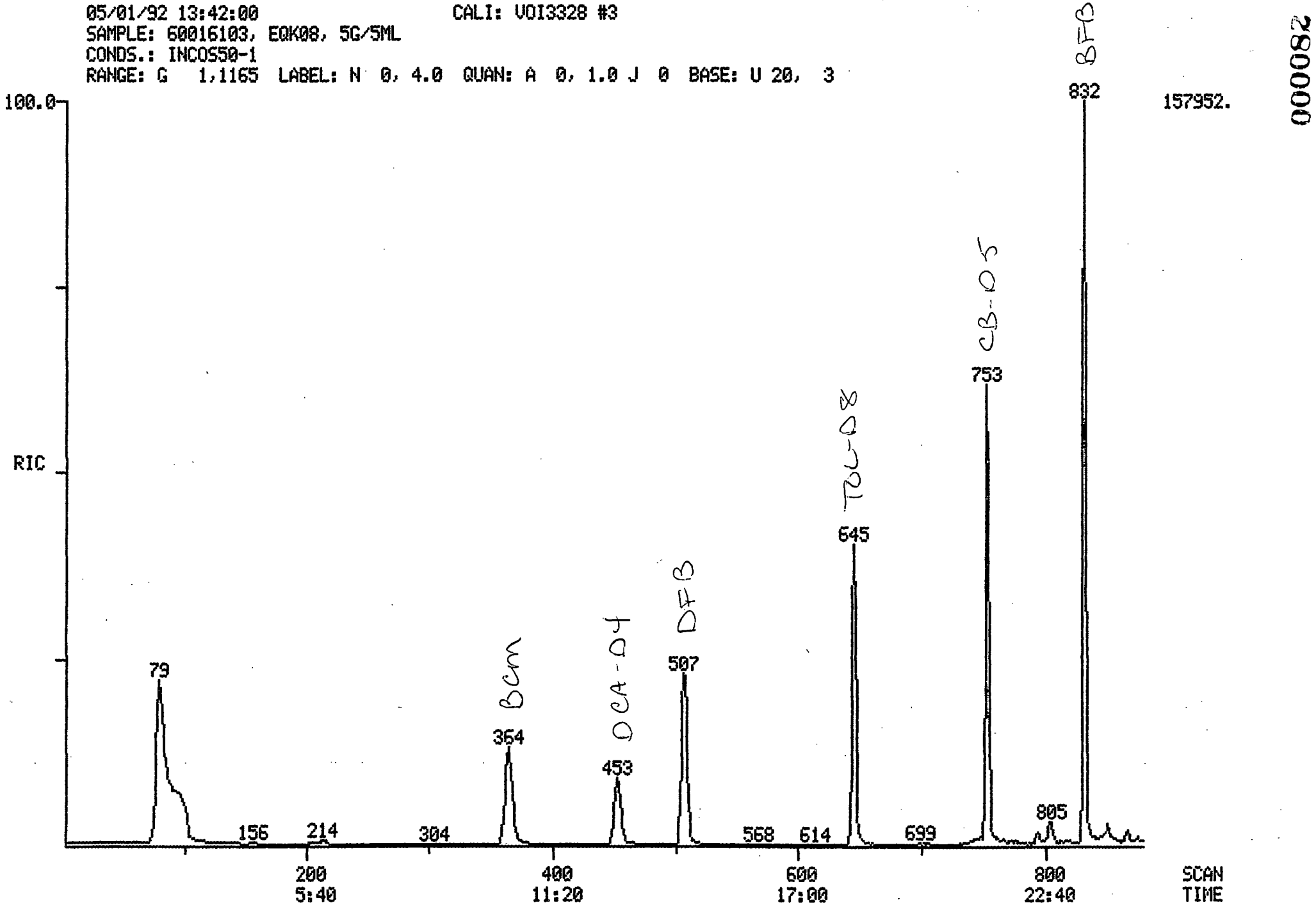
000079



MIDRIC
05/01/92 13:42:00
SAMPLE: 60016103, EQK08, 5G/5ML
CONDS.: INCOS50-1
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOI3328 #1
CALI: VOI3328 #3

SCANS 1 TO 880



280000

Quantitation Report File: VOI3328

Data: VOI3328.TI
05/01/92 13:42:00
Sample: 60016103, EGK08, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.001
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	364	10:19	1	1.000	A BB	19264.	250.000	NG	15.18
2	114	507	14:22	2	1.000	A BB	78190.	250.000	NG	15.18
3	117	753	21:20	3	1.000	A BB	81349.	250.000	NG	15.18
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	NOT FOUND									
9	43	156	4:25	1	0.429	A BB	2247.	71.596	NG	4.35
10	NOT FOUND									
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	NOT FOUND									
16	43	305	8:39	1	0.838	A BB	121.	2.592	NG	0.16
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	78	464	13:09	2	0.915	A BB	735.	3.343	NG	0.20
27	NOT FOUND									
28	NOT FOUND									
29	43	614	17:24	3	0.815	A BB	90.	0.615	NG	0.04
30	NOT FOUND									
31	164	699	19:49	3	0.928	A BB	208.	1.047	NG	0.06
32	NOT FOUND									
33	91	651	18:27	3	0.865	A BB	974.	3.106	NG	0.19
34	NOT FOUND									
35	106	760	21:32	3	1.009	A BB	200.	1.534	NG	0.09
36	104	796	22:33	3	1.057	A BB	90.	0.302	NG	0.02
37	106	766	21:42	3	1.017	A BB	337.	1.934	NG	0.12
38	98	645	18:17	3	0.857	A BB	77447.	260.894	NG	15.85
39	95	832	23:35	3	1.105	A BB	66757.	214.395	NG	13.02
40	65	453	12:50	1	1.245	A BB	30026.	242.519	NG	14.73
41	NOT FOUND									
42	106	794	22:30	3	1.054	A BB	979.	5.435	NG	0.33
43	NOT FOUND									
44	146	906	25:40	3	1.203	A BB	480.	1.055	NG	0.06
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

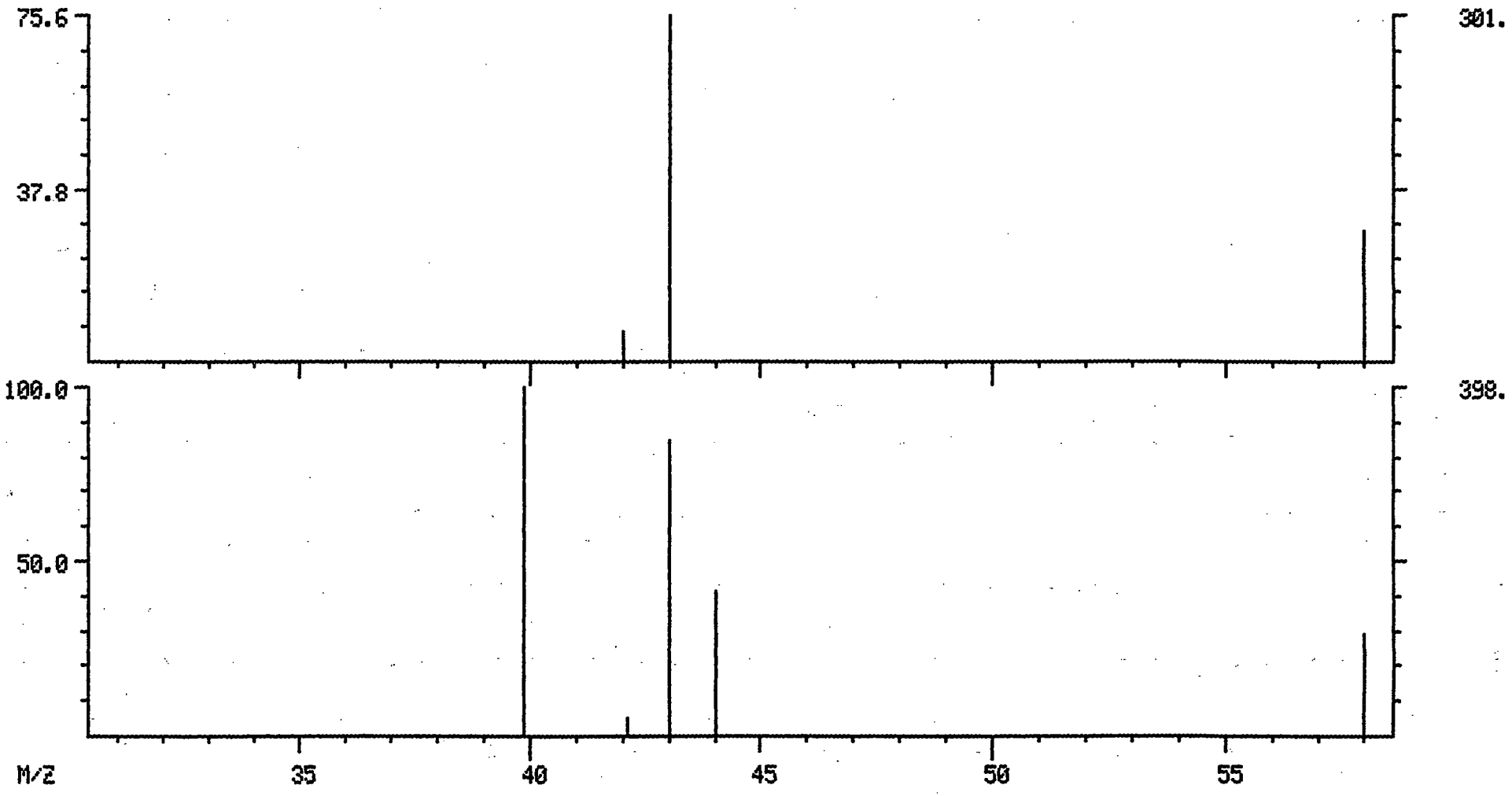
MID DUAL MASS SPECTRUM
05/01/92 13:42:00 + 4:25
SAMPLE: 60016103, EQK08, 5G/5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3328 #156
CALI: VOI3328 #3

BASE M/Z: 43/ 40
RIC: 441./ 1033.

000085

ACETONE

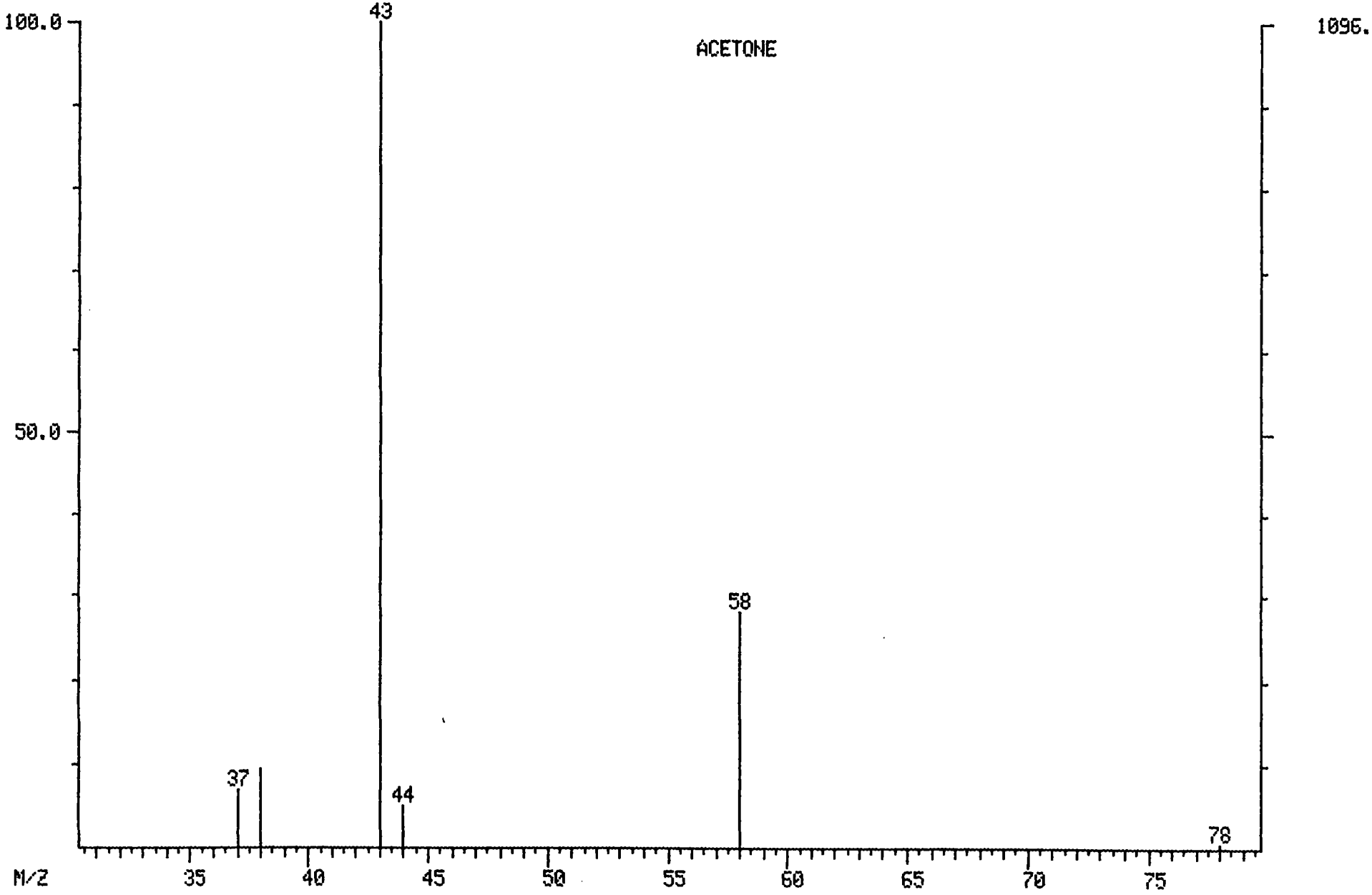


MID MASS SPECTRUM
05/01/92 8:32:00 + 4:24
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

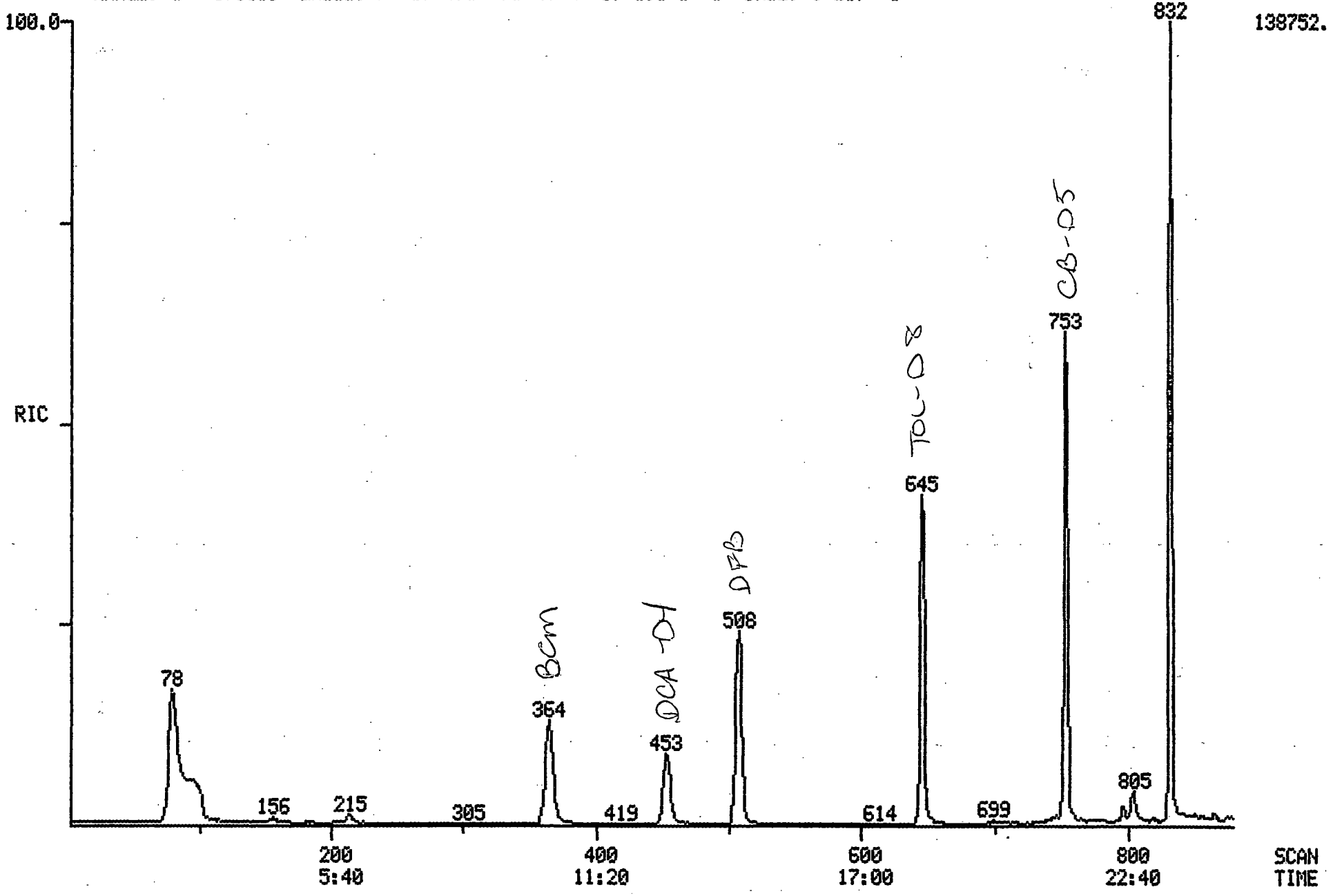
DATA: VOI3321 #155
CALI: VOI3321 #3

BASE M/Z: 43
RIC: 1644.

980000



MIDRIC DATA: VOI3329 #1 SCANS 1 TO 880
05/01/92 14:23:00 CALI: VOI3329 #3
SAMPLE: 60017103, EQK09, 5G/5ML
CONDS.: INCOS50-1
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



000089

Quantitation Report File: VOI3329

Data: VOI3329.TI
05/01/92 14:23:00
Sample: 60017103, EQK09, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	364	10:19	1	1.000	A BB	16880.	250.000	NG	14.67
2	114	508	14:24	2	1.000	A BB	71231.	250.000	NG	14.67
3	117	753	21:20	3	1.000	A BB	73466.	250.000	NG	14.67
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	NOT FOUND									
9	43	156	4:25	1	0.429	A BB	3572.	129.911	NG	7.62
10	76	209	5:55	1	0.574	A BB	2125.	~~11.412~~	NG	0.67
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	NOT FOUND									
16	43	303	8:35	1	0.832	A BB	325.	7.944	NG	0.47
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	78	466	13:12	2	0.917	A BB	627.	3.131	NG	0.18
27	NOT FOUND									
28	NOT FOUND									
29	43	614	17:24	3	0.815	A BB	273.	2.067	NG	0.12
30	NOT FOUND									
31	164	699	19:49	3	0.928	A BB	178.	0.992	NG	0.06
32	NOT FOUND									
33	91	651	18:27	3	0.865	A BB	651.	2.299	NG	0.13
34	NOT FOUND									
35	106	766	21:42	3	1.017	A BB	203.	1.724	NG	0.10
36	NOT FOUND									
37	106	766	21:42	3	1.017	A BB	203.	1.290	NG	0.08
38	98	645	18:17	3	0.857	A BB	69162.	257.985	NG	15.13
39	95	832	23:35	3	1.105	A BB	58797.	209.094	NG	12.27
40	65	453	12:50	1	1.245	A BB	26234.	241.826	NG	14.19
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	146	906	25:40	3	1.203	A BB	500.	1.217	NG	0.07
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

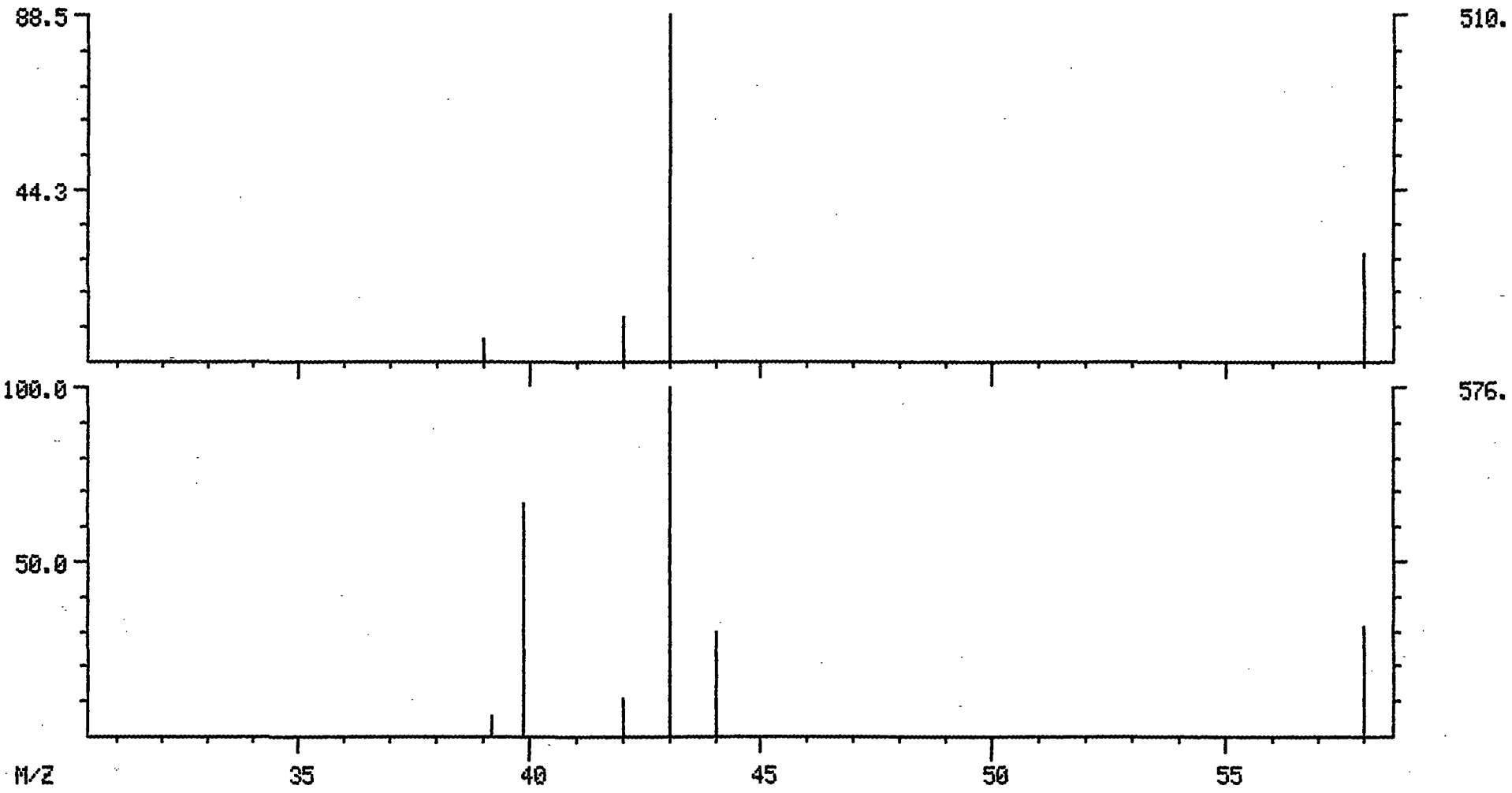
low pt 5/5/92 JLh

MID DUAL MASS SPECTRUM
05/01/92 14:23:00 + 4:25
SAMPLE: 60017103, EQK09, 5G/5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3329 #156
CALI: VOI3329 #3

BASE M/Z: 43/ 43
RIC: 768./ 1409.

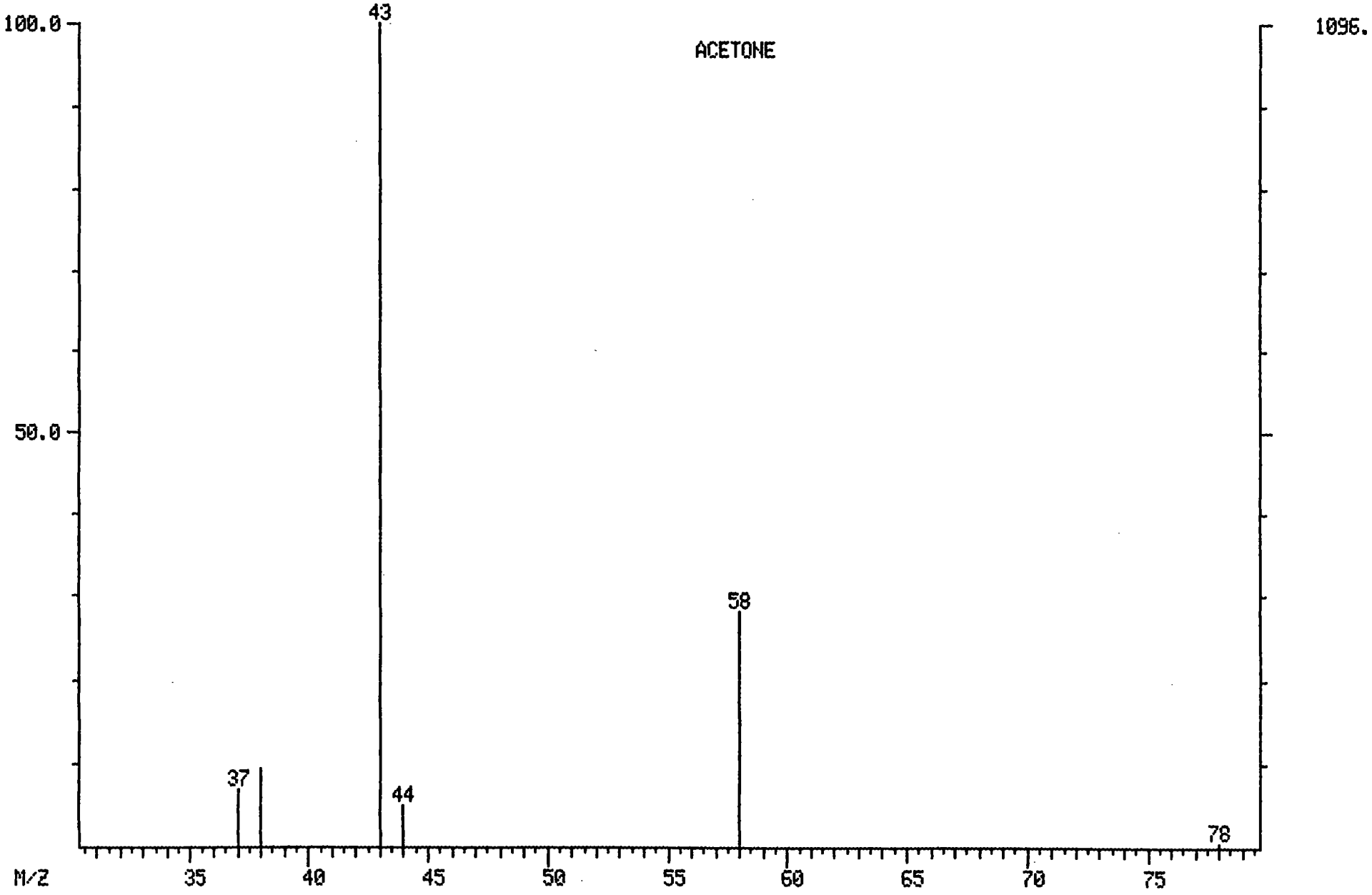
ACETONE



MID MASS SPECTRUM
05/01/92 8:32:00 + 4:24
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

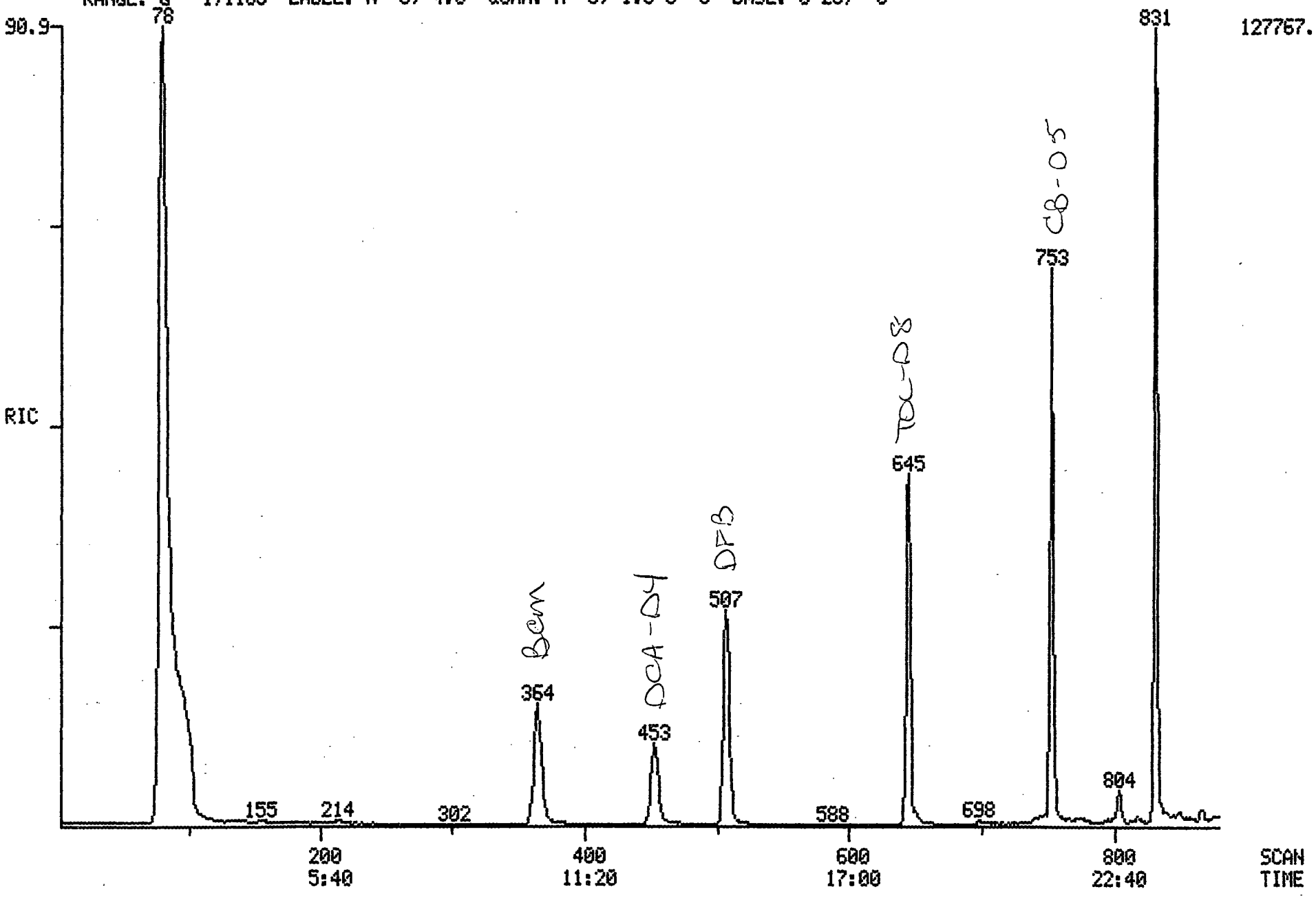
DATA: VOI3321 #155
CALI: VOI3321 #3

BASE M/Z: 43
RIC: 1644.



000093

MIDRIC DATA: VOI3330 #1 SCANS 1 TO 880
05/01/92 15:04:00 CALI: VOI3330 #3
SAMPLE: 60018101, EQK10, 5G/5ML
CONDS.: INCOS50-1
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



960000

Quantitation Report File: VOI3330

Data: VOI3330.TI
05/01/92 15:04:00
Sample: 60018101, EQK10, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.001
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

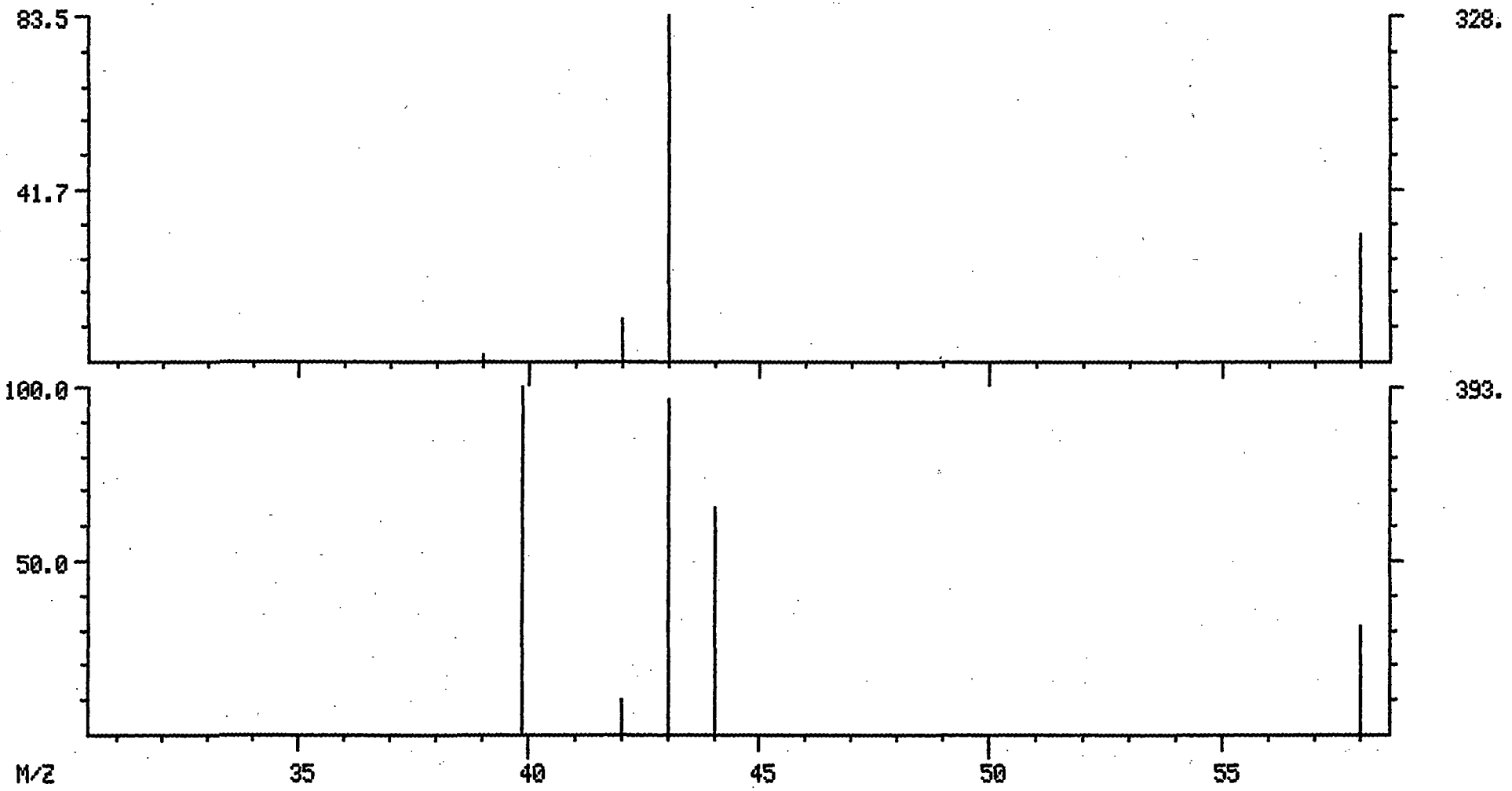
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	364	10:19	1	1.000	A BB	17968.	250.000	NG	15.18
2	114	507	14:22	2	1.000	A BB	71888.	250.000	NG	15.18
3	117	753	21:20	3	1.000	A BB	74525.	250.000	NG	15.18
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	NOT FOUND									
9	43	156	4:25	1	0.429	A BB	2629.	89.828	NG	5.45
10	76	209	5:55	1	0.574	A BB	647.	3.264	NG	0.20
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	NOT FOUND									
16	43	304	8:37	1	0.835	A BB	244.	5.603	NG	0.34
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	78	465	13:11	2	0.917	A BB	650.	3.216	NG	0.20
27	NOT FOUND									
28	NOT FOUND									
29	43	614	17:24	3	0.815	A BB	120.	0.895	NG	0.05
30	NOT FOUND									
31	164	698	19:47	3	0.927	A BB	145.	0.797	NG	0.05
32	NOT FOUND									
33	91	651	18:27	3	0.865	A BB	1401.	4.877	NG	0.30
34	NOT FOUND									
35	106	765	21:41	3	1.016	A BB	131.	1.097	NG	0.07
36	NOT FOUND									
37	106	765	21:41	3	1.016	A BB	131.	0.821	NG	0.05
38	98	644	18:15	3	0.855	A BB	70081.	257.695	NG	15.64
39	95	831	23:33	3	1.104	A BB	57889.	202.941	NG	12.32
40	65	453	12:50	1	1.245	A BB	28007.	242.531	NG	14.72
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	146	906	25:40	3	1.203	A BB	500.	1.199	NG	0.07
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

MID DUAL MASS SPECTRUM
05/01/92 15:04:00 + 4:25
SAMPLE: 60018101, EQK10, 5G/5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3330 #156
CALI: VOI3330 #3

BASE M/Z: 43/ 40
RIC: 496./ 1195.

ACETONE

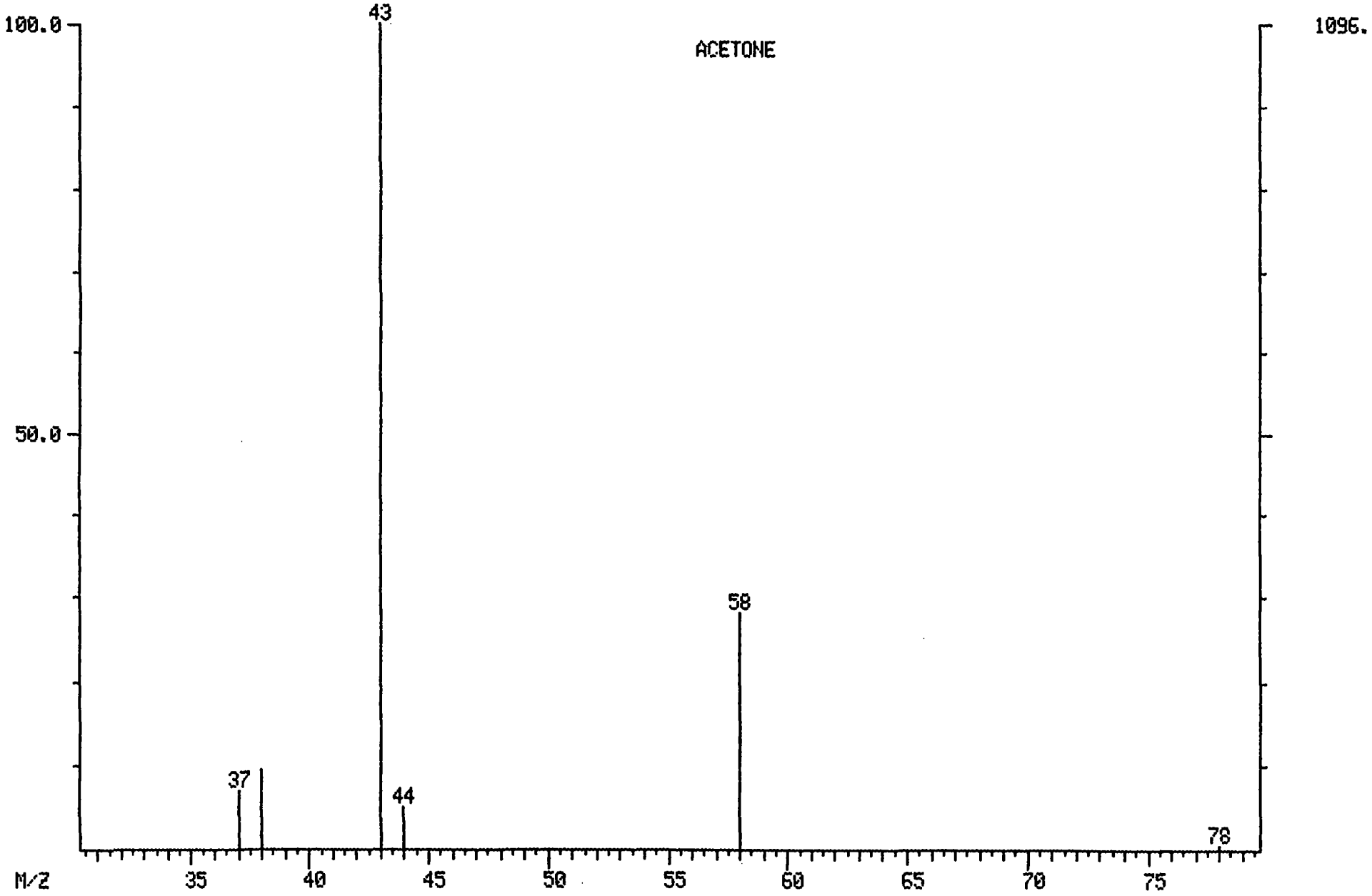


660000

MID MASS SPECTRUM
05/01/92 8:32:00 + 4:24
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-1
GC TEMP: 40 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOI3321 #155
CALI: VOI3321 #3

BASE M/Z: 43
RIC: 1644.

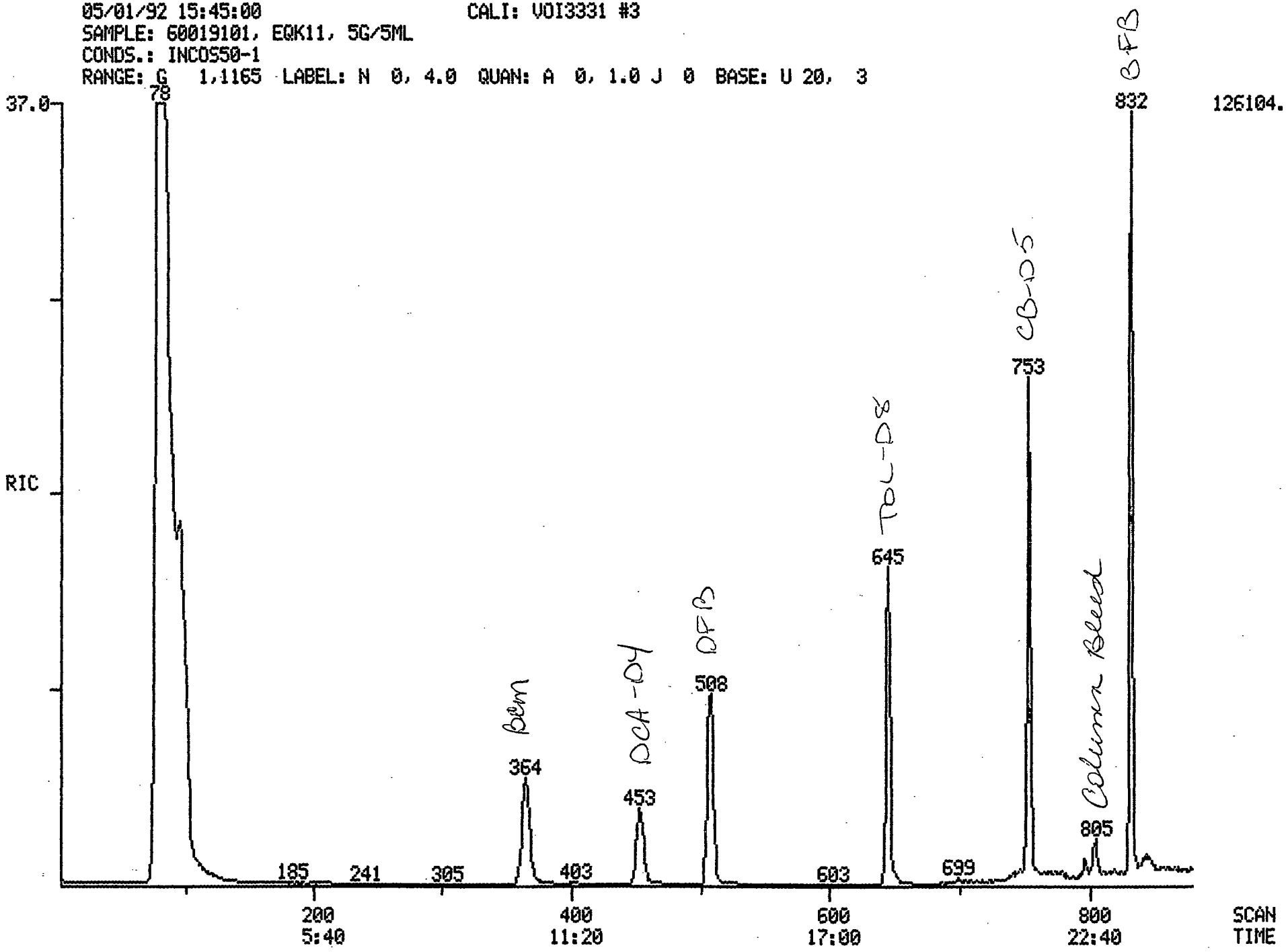


000100

MIDRIC
05/01/92 15:45:00
SAMPLE: 60019101, EQK11, 5G/5ML
CONDS.: INCOS50-1
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOI3331 #1
CALI: VOI3331 #3

SCANS 1 TO 880



000103

Quantitation Report File: VOI3331

Data: VOI3331.TI
05/01/92 15:45:00
Sample: 60019101, EQK11, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	364	10:19	1	1.000	A BB	17081.	250.000 NG	16.04
2	114	508	14:24	2	1.000	A BB	67998.	250.000 NG	16.04
3	117	753	21:20	3	1.000	A BB	66180.	250.000 NG	16.04
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	NOT FOUND								
9	43	157	4:27	1	0.431	A BB	461.	~~16~~.567 NG	1.06
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	43	305	8:39	1	0.838	A BB	40.	0.966 NG	0.06
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	78	465	13:11	2	0.915	A BB	456.	2.385 NG	0.15
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	43	681	19:18	3	0.904	A BB	46.	0.643 NG	0.04
31	164	699	19:49	3	0.928	A BB	285.	1.763 NG	0.11
32	NOT FOUND								
33	91	651	18:27	3	0.865	A BB	1570.	6.154 NG	0.39
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	98	645	18:17	3	0.857	A BB	60978.	252.496 NG	16.20
39	95	832	23:35	3	1.105	A BB	52617.	207.715 NG	13.33
40	65	453	12:50	1	1.245	A BB	25622.	233.405 NG	14.98
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	146	906	25:40	3	1.203	A BB	994.	2.685 NG	0.17
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

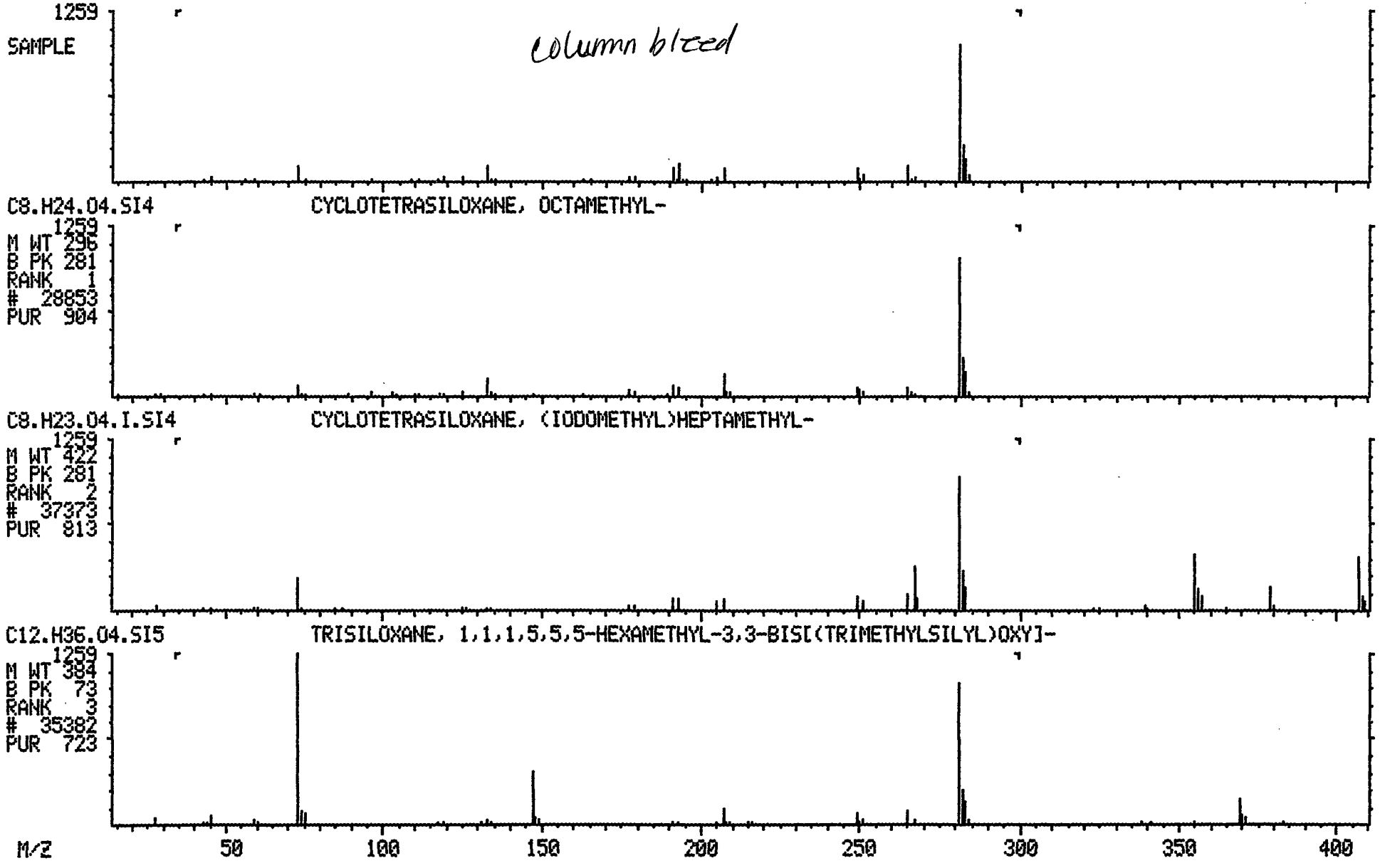
Low pk 5/5/92 [illegible]

MID LIBRARY SEARCH
05/01/92 15:45:00 + 22:49
SAMPLE: 60019101, EQK11, 5G/5ML
CONDS.: INCOS50-1
ENHANCED (S 15B 2N 0T)

DATA: VOI3331 # 805
CALI: VOI3331 # 3

BASE M/Z: 281
RIC: 5007.

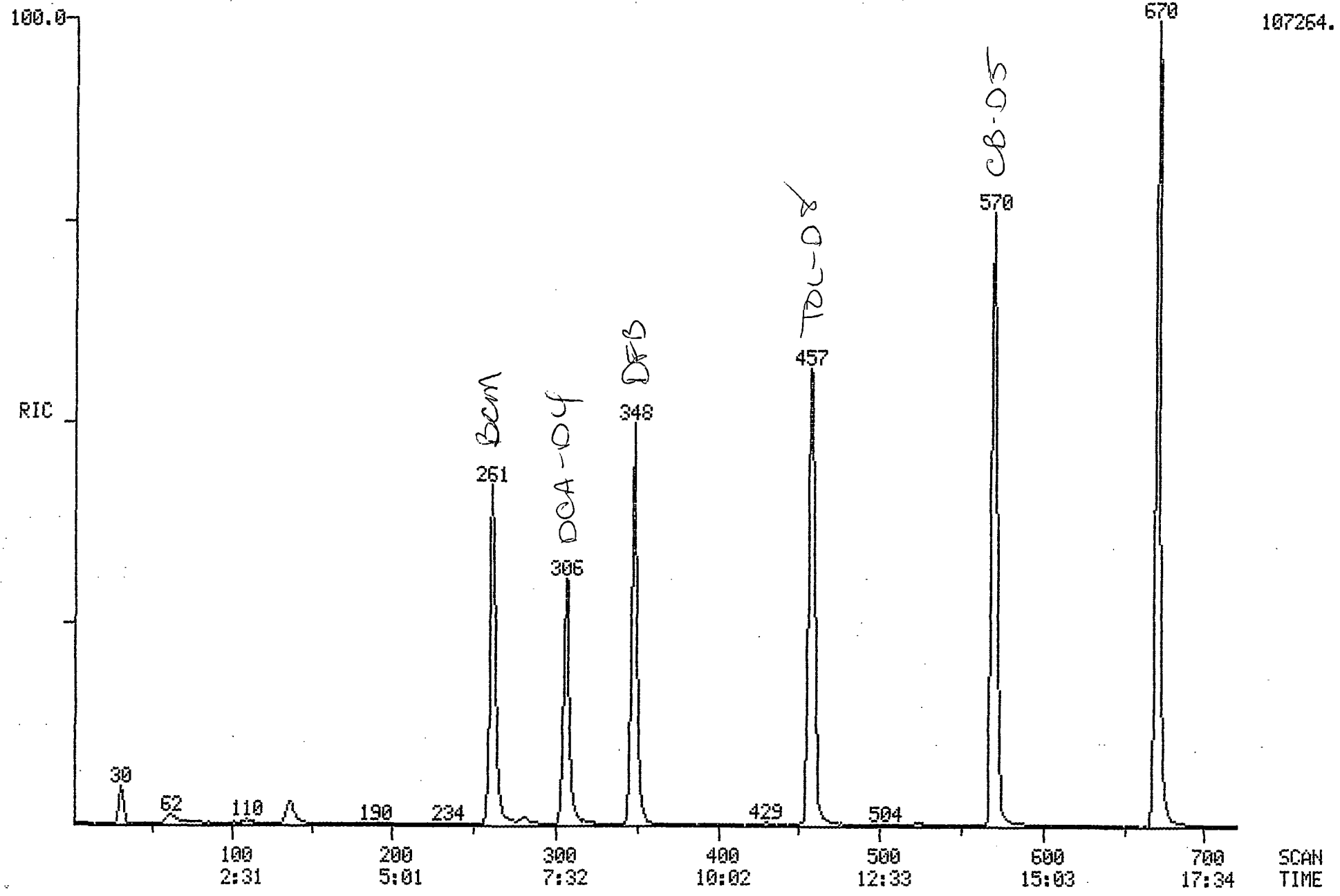
000106



MIDRIC
05/02/92 3:33:00
SAMPLE: 60304102, EQK26, 5ML
CONDS.: INCOS50-2
RANGE: G 1, 984 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOL2532 #1
CALI: VOL2532 #3

SCANS 1 TO 720



000109

Quantitation Report File: VOL2532

Data: VOL2532.TI
05/02/92 3:33:00
Sample: 60304102, EQK26, 5ML
Conds.: INCOS50-2
Formula: VOC Instrument: FINN52 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10008

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	DICHLORODIFLUOROMETHANE
50	CIS-1,2-DICHLOROETHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	261	6:33	1	1.000	A BB	21906.	250.000	NG	16.18
2	114	348	8:44	2	1.000	A BB	75809.	250.000	NG	16.18
3	117	570	14:18	3	1.000	A BB	78015.	250.000	NG	16.18
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	84	138	3:28	1	0.529	A BB	737.	6.436	NG	0.42
9	43	110	2:46	1	0.421	A BB	1348.	50.031	NG	3.24
10	NOT FOUND									
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	83	274	6:53	1	1.050	A BB	163.	0.505	NG	0.03
15	NOT FOUND									
16	43	254	6:22	1	0.973	A BB	160.	4.137	NG	0.27
17	97	280	7:02	2	0.805	A BB	412.	1.341	NG	0.09
18	117	293	7:21	2	0.842	A BB	37.	0.120	NG	0.01
19	NOT FOUND									
20	NOT FOUND									
21	63	379	9:31	2	1.089	A BB	164.	1.230	NG	0.08
22	NOT FOUND									
23	130	362	9:05	2	1.040	A BB	31.	0.208	NG	0.01
24	NOT FOUND									
25	NOT FOUND									
26	78	308	7:44	2	0.885	A BB	845.	2.401	NG	0.16
27	NOT FOUND									
28	173	638	16:01	2	1.833	A BB	39.	0.141	NG	0.01
29	43	458	11:30	3	0.804	A VV	1545.	~~12.~~ 0.725	NG	0.82
30	NOT FOUND									
31	164	504	12:39	3	0.884	A BB	73.	0.427	NG	0.03
32	NOT FOUND									
33	91	462	11:36	3	0.811	A BB	495.	1.440	NG	0.09
34	112	572	14:21	3	1.004	A BB	208.	0.663	NG	0.04
35	NOT FOUND									
36	NOT FOUND									
37	106	597	14:59	3	1.047	A BB	98.	0.500	NG	0.03
38	98	457	11:28	3	0.802	A BB	79541.	254.389	NG	16.47
39	95	670	16:49	3	1.175	A BB	73395.	228.651	NG	14.80
40	65	306	7:41	1	1.172	A BB	50959.	230.085	NG	14.89
41	NOT FOUND									
42	NOT FOUND									
43	146	770	19:19	3	1.351	A BB	363.	0.924	NG	0.06
44	NOT FOUND									
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

low pt
5/5/95
jrl

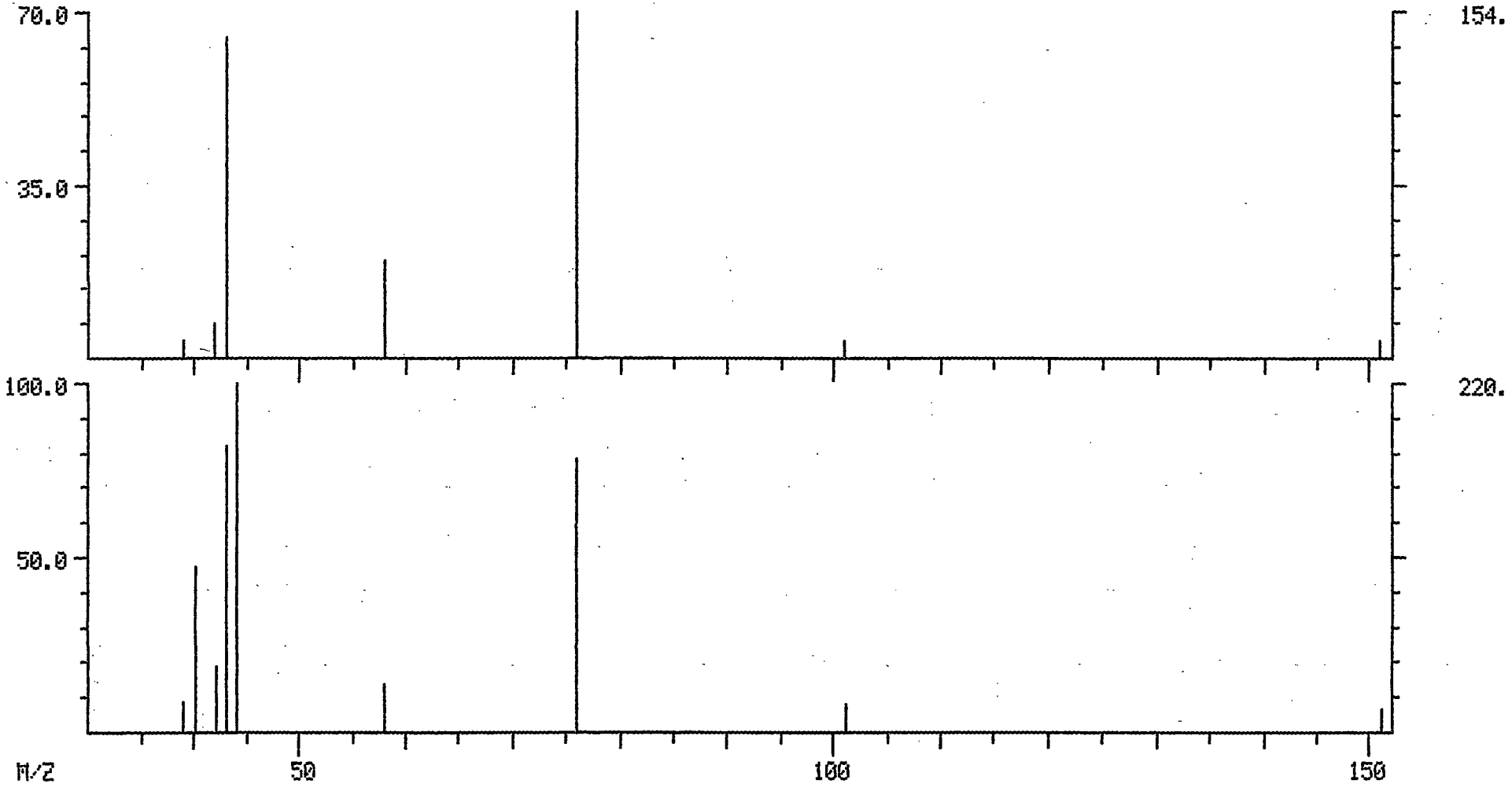
MID DUAL MASS SPECTRUM
05/02/92 3:33:00 + 2:46
SAMPLE: 60304102, EQK26, 5ML
CONDS.: INCOS50-2
GC TEMP: 10 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOL2532 #110
CALI: VOL2532 #3

BASE M/Z: 76/ 44
RIC: 379./ 798.

000112

ACETONE

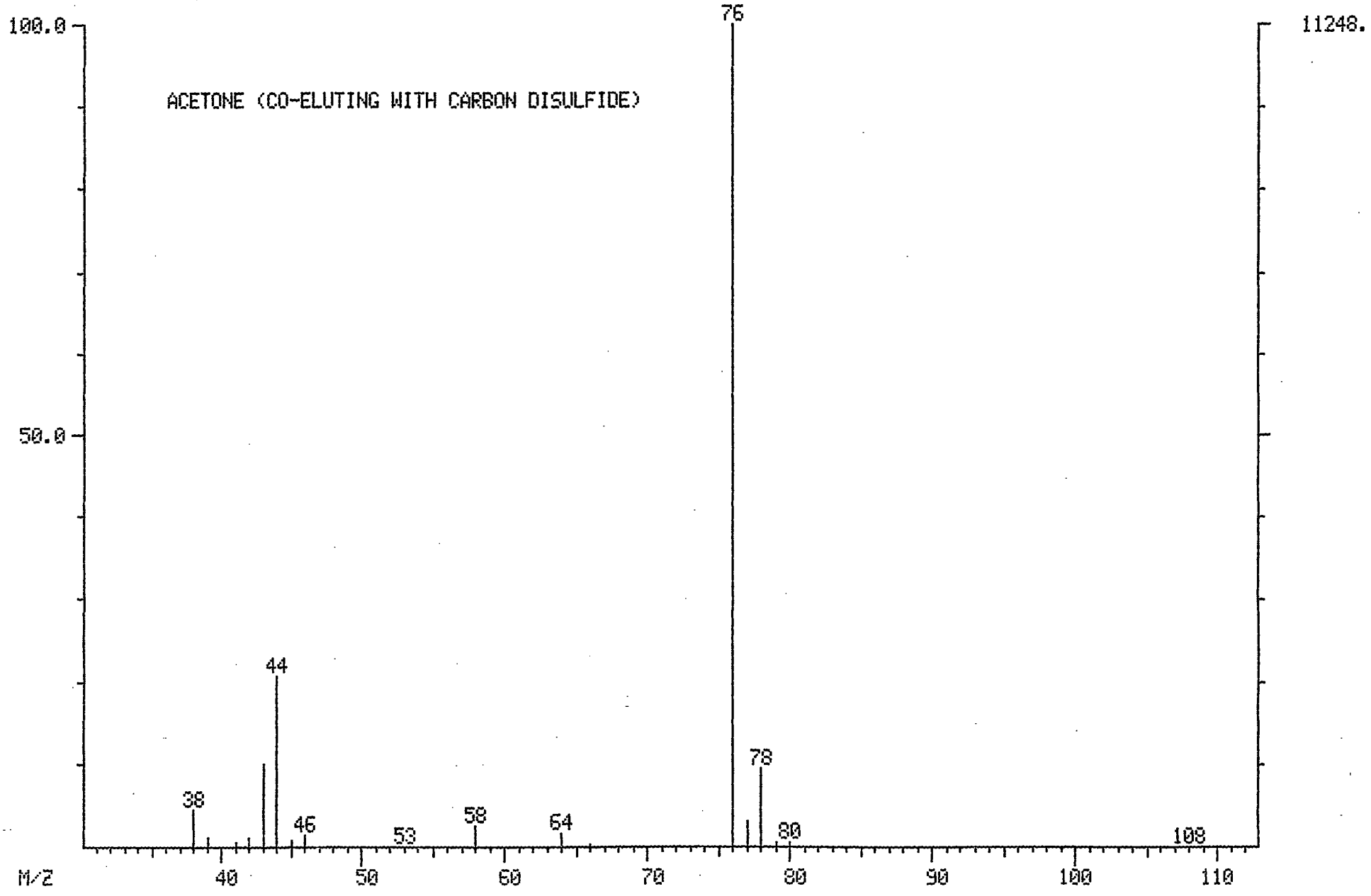


MID MASS SPECTRUM
05/01/92 20:42:00 + 2:44
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-2
GC TEMP: 10 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOL2520 #109
CALI: CALTAB #3

BASE M/Z: 76
RIC: 17728.

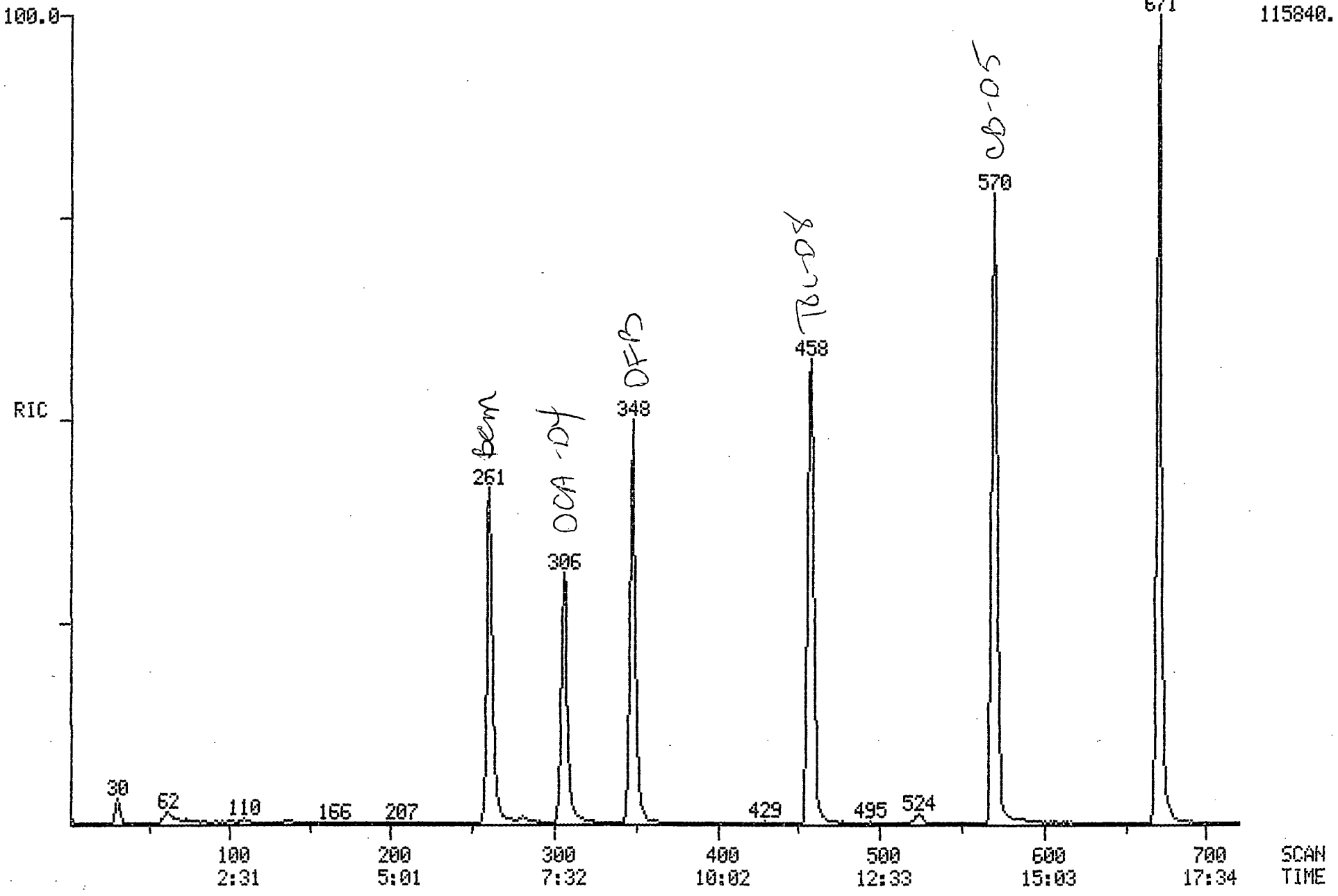
000113



MIDRIC
05/02/92 5:11:00
SAMPLE: 60305102, EQK27, 5ML
CONDS.: INCOS50-2
RANGE: G 1, 984 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOL2535 #1
CALI: VOL2535 #3

SCANS 1 TO 720



000116

Quantitation Report File: VOL2535

Data: VOL2535.TI
05/02/92 5:11:00
Sample: 60305102, EQK27, 5ML
Conds.: INCOS50-2
Formula: VOC Instrument: FINN52 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10008

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	DICHLORODIFLUOROMETHANE
50	CIS-1,2-DICHLOROETHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	261	6:33	1	1.000	A BB	23849.	250.000	NG	16.59
2	114	348	8:44	2	1.000	A BB	81935.	250.000	NG	16.59
3	117	570	14:18	3	1.000	A BB	85589.	250.000	NG	16.59
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	84	137	3:26	1	0.525	A BB	151.	1.211	NG	0.08
9	43	110	2:46	1	0.421	A BB	1092.	37.237	NG	2.47
10	NOT FOUND									
11	96	100	2:31	1	0.383	A BB	73.	0.530	NG	0.04
12	NOT FOUND									
13	NOT FOUND									
14	83	274	6:53	1	1.050	A BB	42.	0.119	NG	0.01
15	NOT FOUND									
16	NOT FOUND									
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	78	308	7:44	2	0.885	A BB	914.	2.403	NG	0.16
27	NOT FOUND									
28	NOT FOUND									
29	43	458	11:30	3	0.804	A BB	1084.	8.141	NG	0.54
30	43	527	13:14	3	0.925	A VB	31.	0.379	NG	0.03
31	164	504	12:39	3	0.884	A BB	32.	0.171	NG	0.01
32	NOT FOUND									
33	91	462	11:36	3	0.811	A BB	427.	1.132	NG	0.08
34	112	571	14:20	3	1.002	A BB	242.	0.703	NG	0.05
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	98	458	11:30	3	0.804	A BB	84780.	247.147	NG	16.41
39	95	671	16:50	3	1.177	A BB	80479.	228.535	NG	15.17
40	65	306	7:41	1	1.172	A BB	55198.	228.915	NG	15.20
41	NOT FOUND									
42	NOT FOUND									
43	146	762	19:07	3	1.337	A BB	114.	0.265	NG	0.02
44	146	771	19:21	3	1.353	A BB	162.	0.352	NG	0.02
45	146	800	20:05	3	1.404	A BB	79.	0.197	NG	0.01
46	NOT FOUND									
47	NOT FOUND									
48	101	73	1:50	1	0.280	A BB	226.	0.497	NG	0.03
49	NOT FOUND									
50	NOT FOUND									

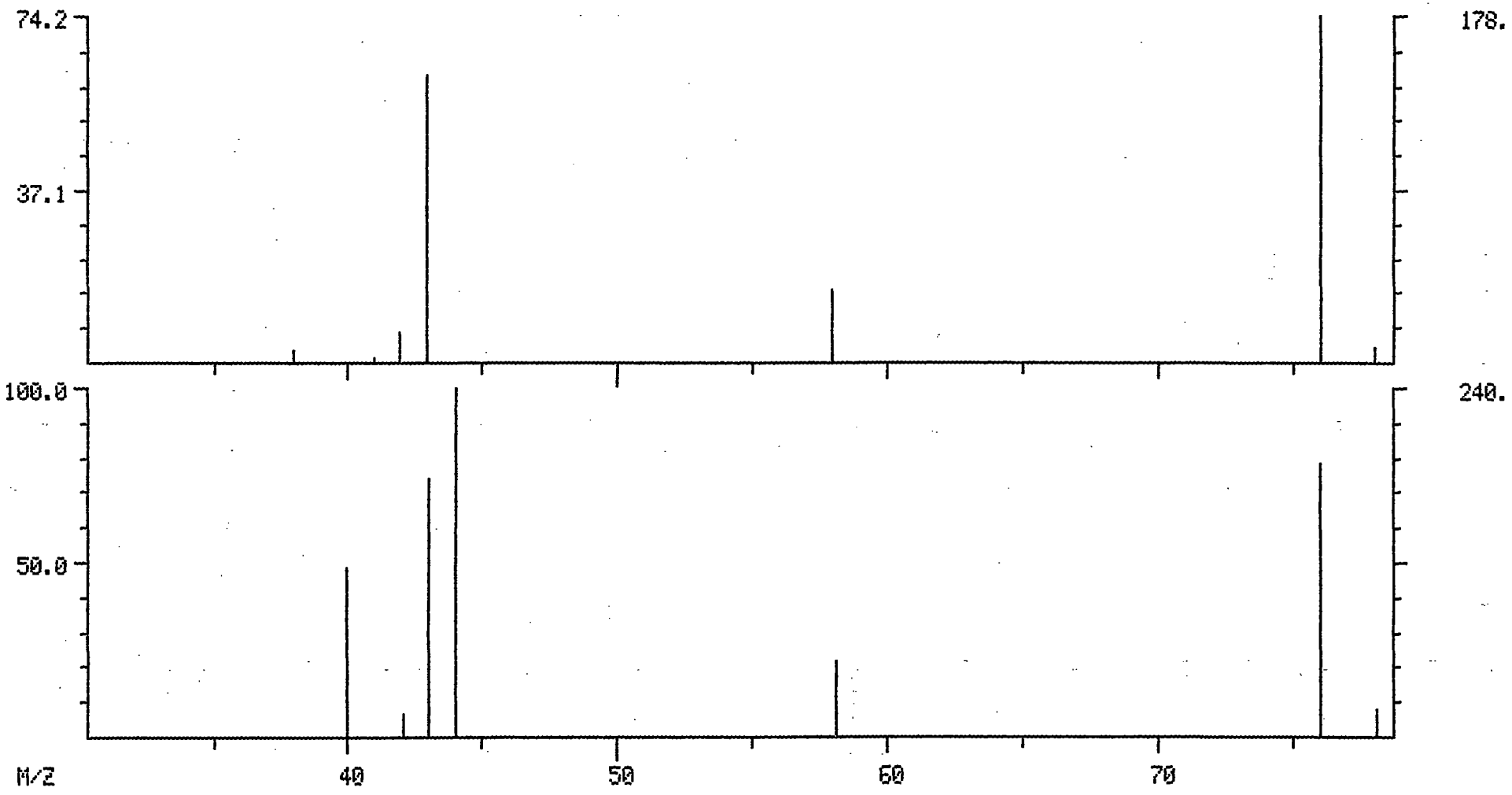
MID DUAL MASS SPECTRUM
05/02/92 5:11:00 + 2:46
SAMPLE: 60305102, EQK27, 5ML
CONDS.: INCOS50-2
GC TEMP: 10 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOL2535 #110
CALI: VOL2535 #3

BASE M/Z: 76/ 44
RIC: 394./ 807.

000119

ACETONE

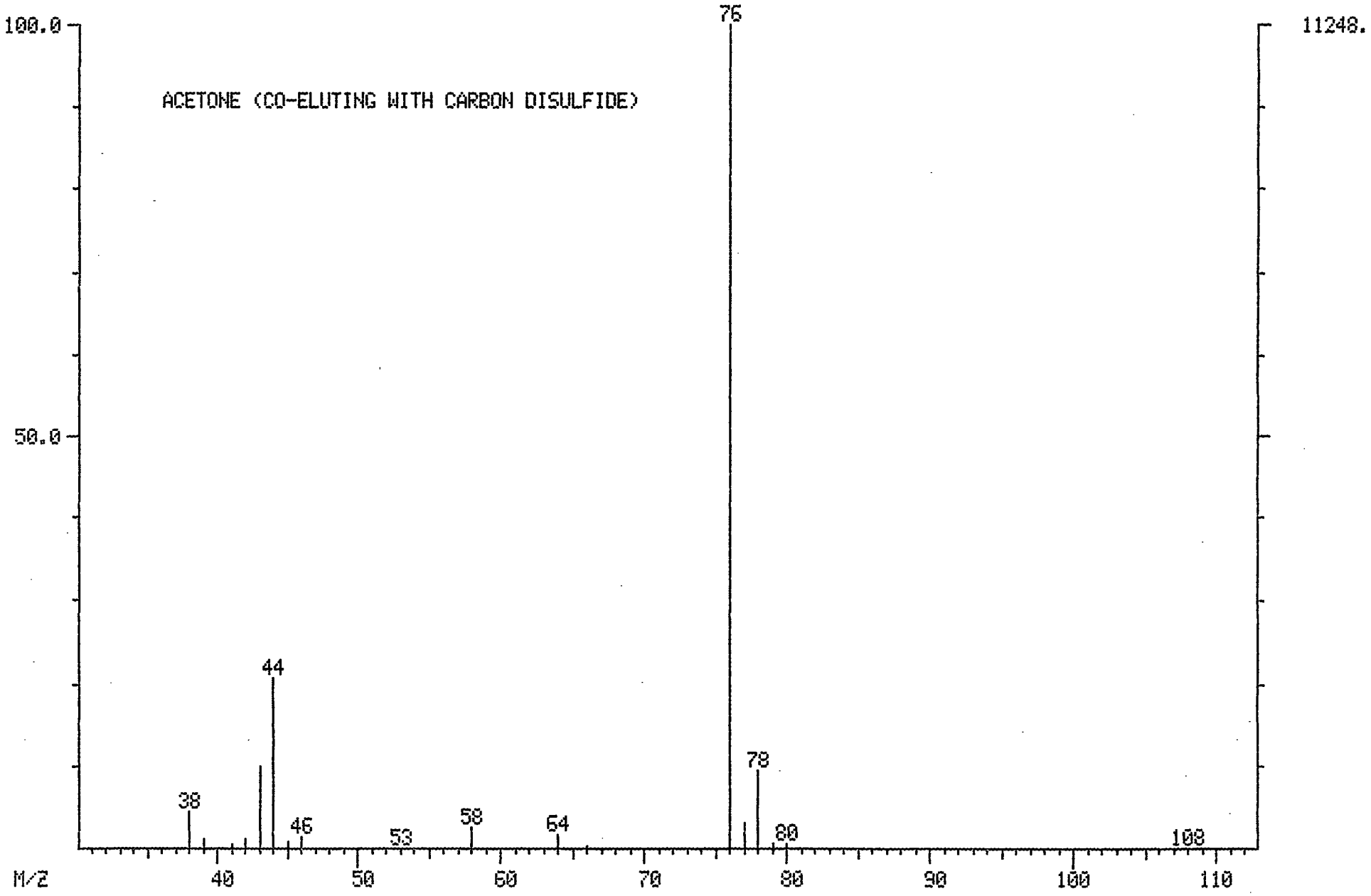


MID MASS SPECTRUM
05/01/92 20:42:00 + 2:44
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-2
GC TEMP: 10 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOL2520 #109
CALI: CALTAB #3

BASE M/Z: 76
RIC: 17728.

000120

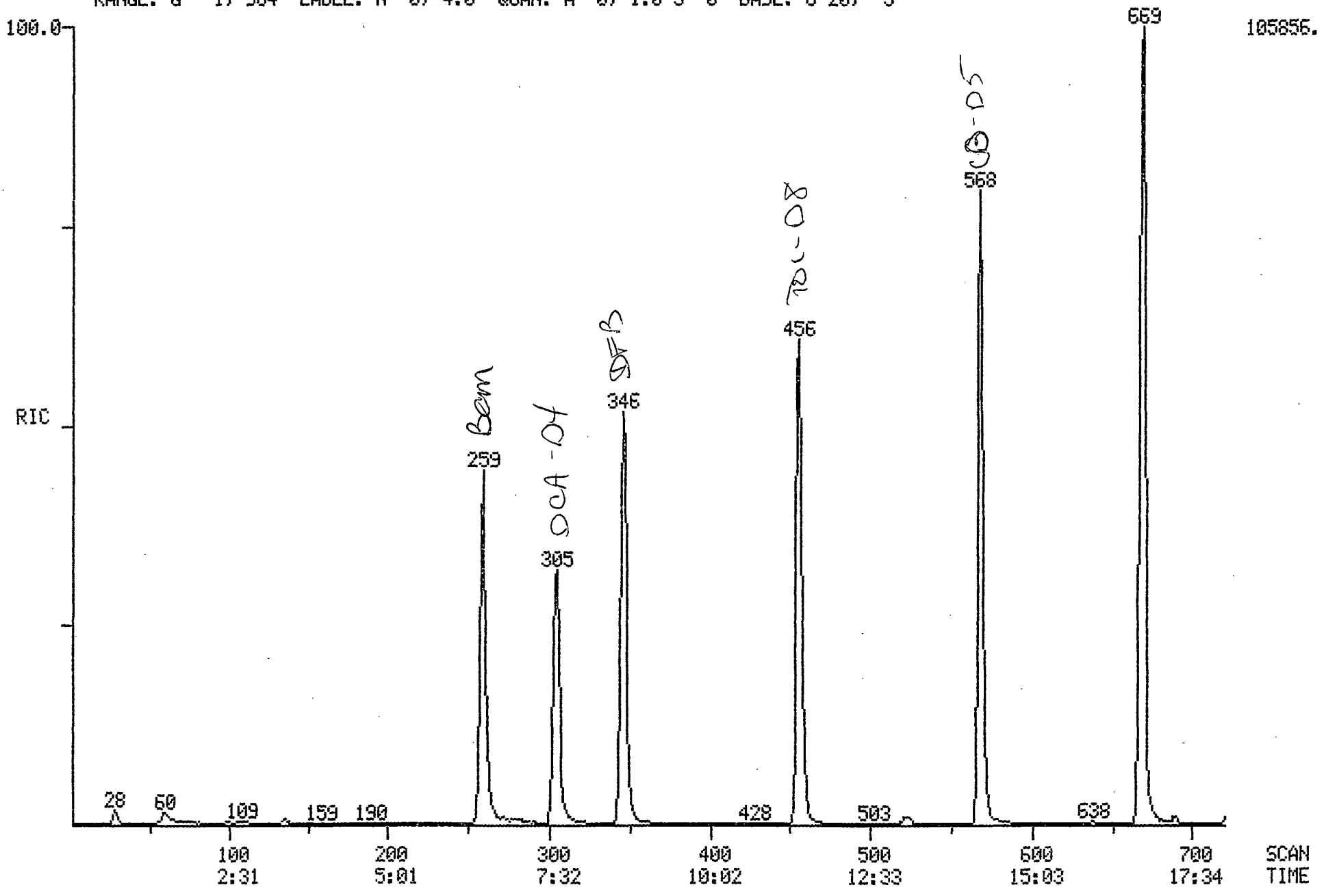


MIDRIC
05/02/92 5:44:00
SAMPLE: 60306102, EQK28, 5ML
CONDS.: INCOS50-2
RANGE: G 1, 984 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOL2536 #1
CALI: VOL2536 #3

SCANS 1 TO 720

000123



Quantitation Report File: VOL2536

Data: VOL2536.TI
05/02/92 5:44:00
Sample: 60306102, EQK28, 5ML
Conds.: INCOS50-2
Formula: VOC Instrument: FINN52 Weight: 0.001
Submitted by: WADS Analyst: JP Acct. No.: 68D10008

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	DICHLORODIFLUOROMETHANE
50	CIS-1,2-DICHLOROETHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	259	6:30	1	1.000	A BV	22963.	250.000	NG	15.99
2	114	346	8:41	2	1.000	A BB	79475.	250.000	NG	15.99
3	117	568	14:15	3	1.000	A BB	80600.	250.000	NG	15.99
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	84	135	3:23	1	0.521	A BB	308.	2.566	NG	0.16
9	43	109	2:44	1	0.421	A BB	1296.	45.877	NG	2.93
10	76	107	2:41	1	0.413	A BB	891.	2.510	NG	0.16
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	83	272	6:50	1	1.050	A BB	295.	0.872	NG	0.06
15	62	310	7:47	1	1.197	A BB	122.	0.446	NG	0.03
16	43	253	6:21	1	0.977	A BB	639.	15.759	NG	1.01
17	97	277	6:57	2	0.801	A BB	160.	0.497	NG	0.03
18	117	291	7:18	2	0.841	A BB	78.	0.240	NG	0.02
19	43	211	5:18	2	0.610	A BB	435.	1.777	NG	0.11
20	NOT FOUND									
21	63	375	9:25	2	1.084	A BB	106.	0.758	NG	0.05
22	NOT FOUND									
23	130	361	9:04	2	1.043	A BB	193.	1.235	NG	0.08
24	129	525	13:11	2	1.517	A BB	158.	0.500	NG	0.03
25	97	495	12:25	2	1.431	A BB	77.	0.536	NG	0.03
26	78	307	7:42	2	0.887	A BB	933.	2.529	NG	0.16
27	NOT FOUND									
28	173	637	15:59	2	1.841	A BB	455.	1.573	NG	0.10
29	43	456	11:27	3	0.803	A BB	1722.	13.731	NG	0.88
30	43	525	13:11	3	0.924	A BB	659.	8.552	NG	0.55
31	164	501	12:34	3	0.882	A BB	69.	0.391	NG	0.03
32	83	689	17:17	3	1.213	A BB	988.	3.718	NG	0.24
33	91	460	11:33	3	0.810	A BB	494.	1.391	NG	0.09
34	112	570	14:18	3	1.004	A BB	321.	0.990	NG	0.06
35	NOT FOUND									
36	NOT FOUND									
37	106	595	14:56	3	1.048	A BB	94.	0.464	NG	0.03
38	98	456	11:27	3	0.803	A BB	80734.	249.919	NG	15.99
39	95	669	16:47	3	1.178	A BB	74658.	225.125	NG	14.40
40	65	305	7:39	1	1.178	A BB	53886.	232.095	NG	14.85
41	NOT FOUND									
42	NOT FOUND									
43	146	768	19:16	3	1.352	A BB	296.	0.730	NG	0.05
44	NOT FOUND									
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

5/5/97 JL

Low pt

Low pt

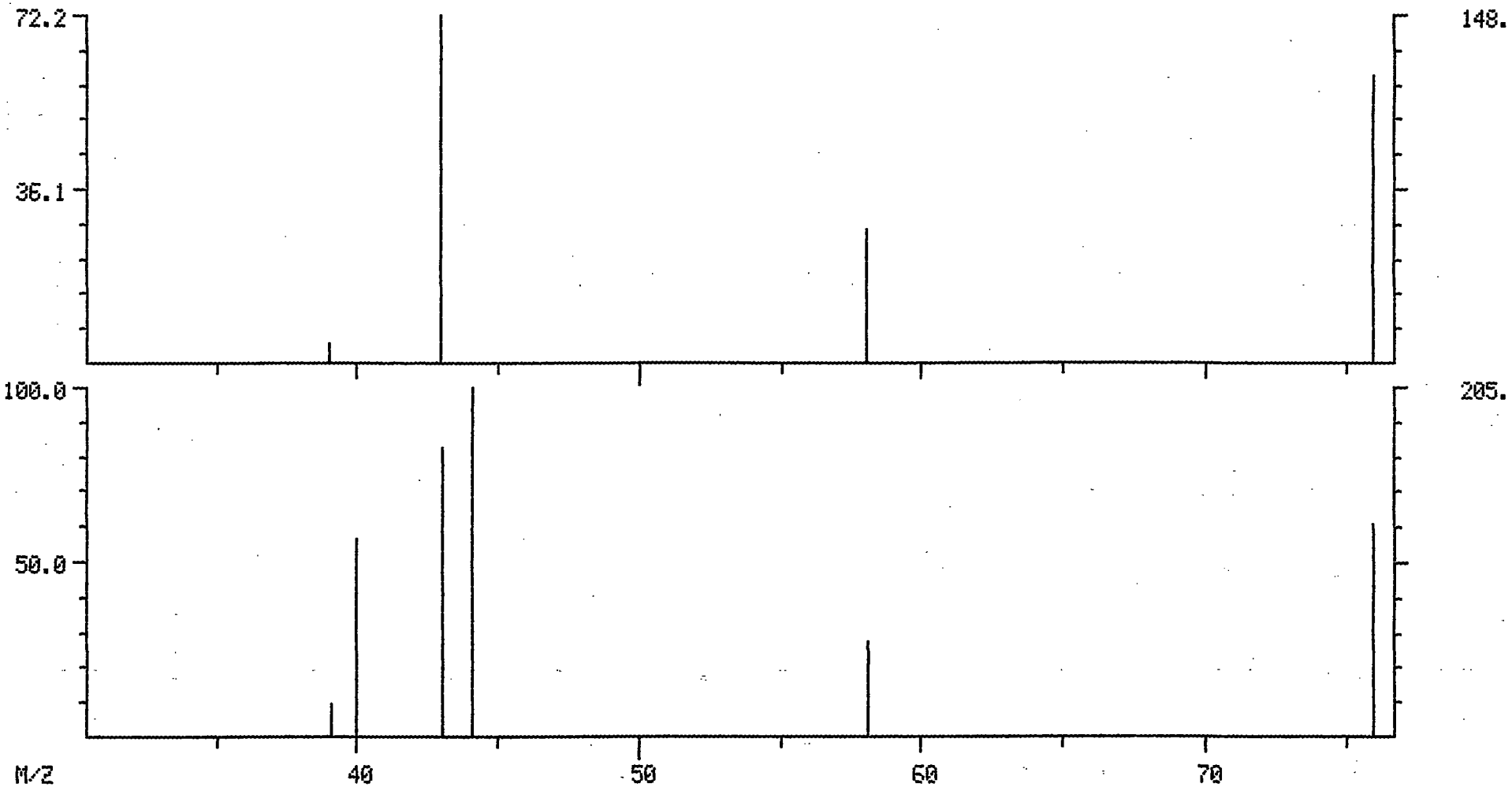
MID DUAL MASS SPECTRUM
05/02/92 5:44:00 + 2:44
SAMPLE: 60306102, EQK28, 5ML
CONDS.: INCOS50-2
GC TEMP: 10 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOL2536 #109
CALI: VOL2536 #3

BASE M/Z: 43/ 44
RIC: 335./ 691.

0001126

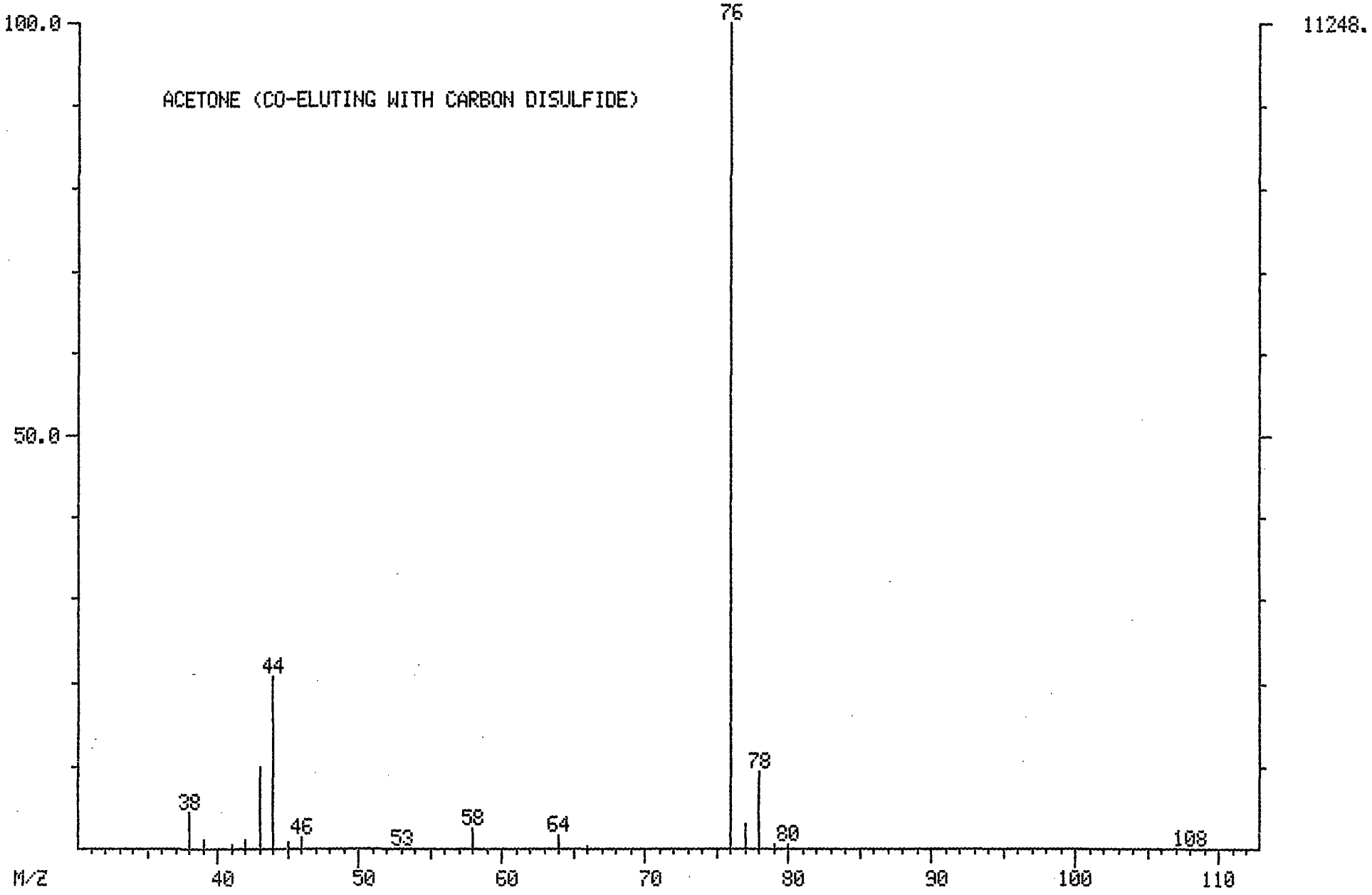
ACETONE



MID MASS SPECTRUM
05/01/92 20:42:00 + 2:44
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-2
GC TEMP: 10 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOL2520 #109
CALI: CALTAB #3

BASE M/Z: 76
RIC: 17728.



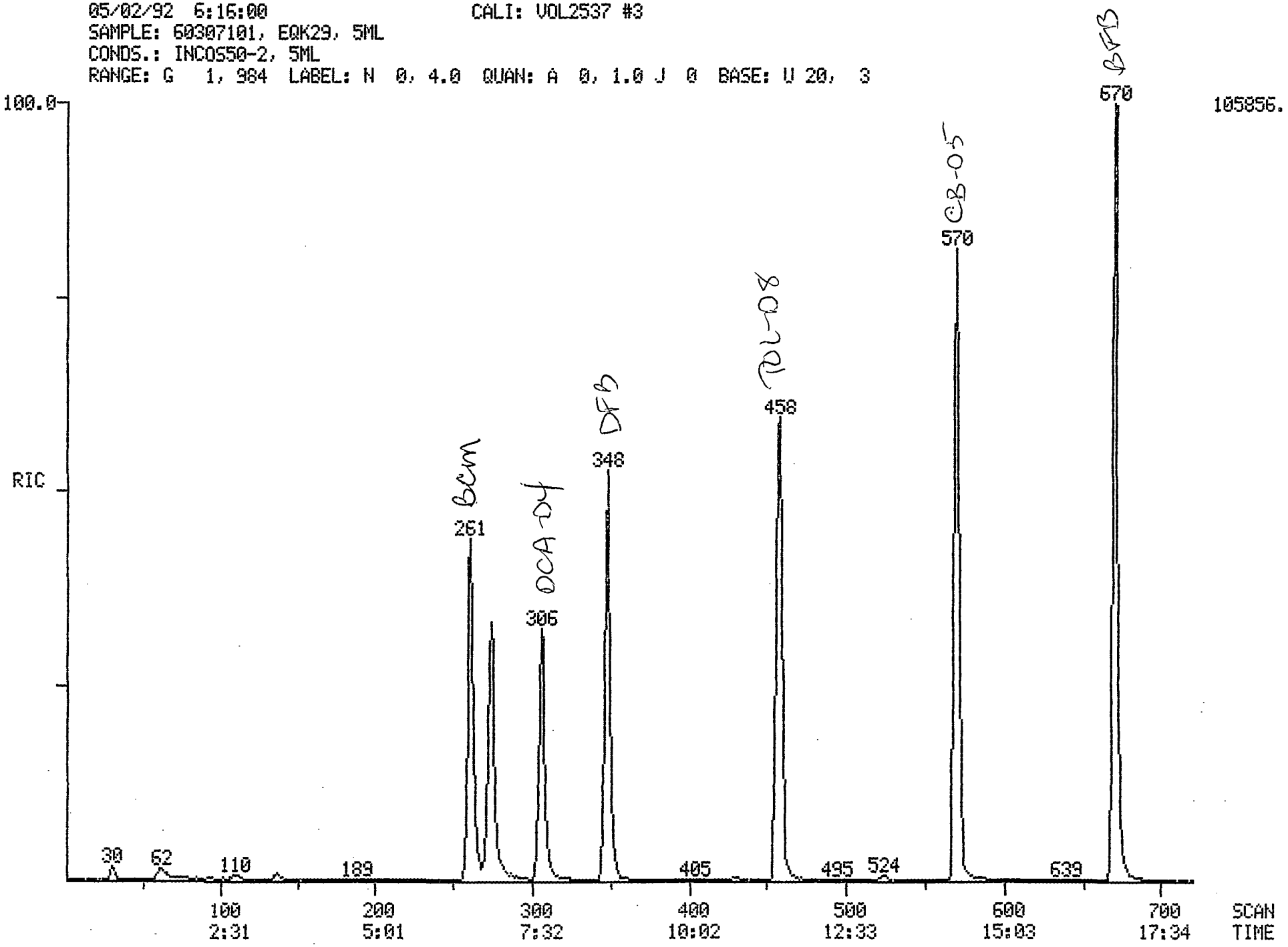
000127

MIDRIC
05/02/92 6:16:00
SAMPLE: 60307101, EQK29, 5ML
CONDS.: INCOS50-2, 5ML
RANGE: G 1, 984 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOL2537 #1
CALI: VOL2537 #3

SCANS 1 TO 720

000130



Quantitation Report File: VOL2537

Data: VOL2537.TI
05/02/92 6:16:00
Sample: 60307101, EQK29, 5ML
Conds.: INCOS50-2, 5ML
Formula: VOC Instrument: FINN52 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10008

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	DICHLORODIFLUOROMETHANE
50	CIS-1,2-DICHLOROETHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	261	6:33	1	1.000	A BB	22807.	250.000	NG	14.75
2	114	348	8:44	2	1.000	A BB	79158.	250.000	NG	14.75
3	117	570	14:18	3	1.000	A BB	81952.	250.000	NG	14.75
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	84	137	3:26	1	0.525	A BB	523.	4.387	NG	0.26
9	43	110	2:46	1	0.421	A BB	1667.	59.414	NG	3.51
10	NOT FOUND									
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	83	274	6:53	1	1.050	A BB	52696.	156.756	NG	9.25
15	NOT FOUND									
16	43	253	6:21	1	0.969	A BB	398.	9.883	NG	0.58
17	97	281	7:03	2	0.807	A BB	409.	1.275	NG	0.08
18	117	292	7:20	2	0.839	A BB	136.	0.421	NG	0.02
19	NOT FOUND									
20	83	405	10:10	2	1.164	A BB	444.	1.487	NG	0.09
21	63	378	9:29	2	1.086	A BB	119.	0.855	NG	0.05
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	78	308	7:44	2	0.885	A BB	842.	2.291	NG	0.14
27	NOT FOUND									
28	NOT FOUND									
29	43	458	11:30	3	0.804	A BB	898.	7.040	NG	0.42
30	NOT FOUND									
31	NOT FOUND									
32	NOT FOUND									
33	91	462	11:36	3	0.811	A BB	374.	1.036	NG	0.06
34	112	572	14:21	3	1.004	A BB	120.	0.364	NG	0.02
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	98	457	11:28	3	0.802	A BB	80976.	246.533	NG	14.55
39	95	671	16:50	3	1.177	A BB	76249.	226.129	NG	13.34
40	65	306	7:41	1	1.172	A BB	52608.	228.145	NG	13.46
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	146	770	19:19	3	1.351	A BB	73.	0.166	NG	0.01
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	101	75	1:53	1	0.287	A BV	114.	0.262	NG	0.02
49	NOT FOUND									
50	NOT FOUND									

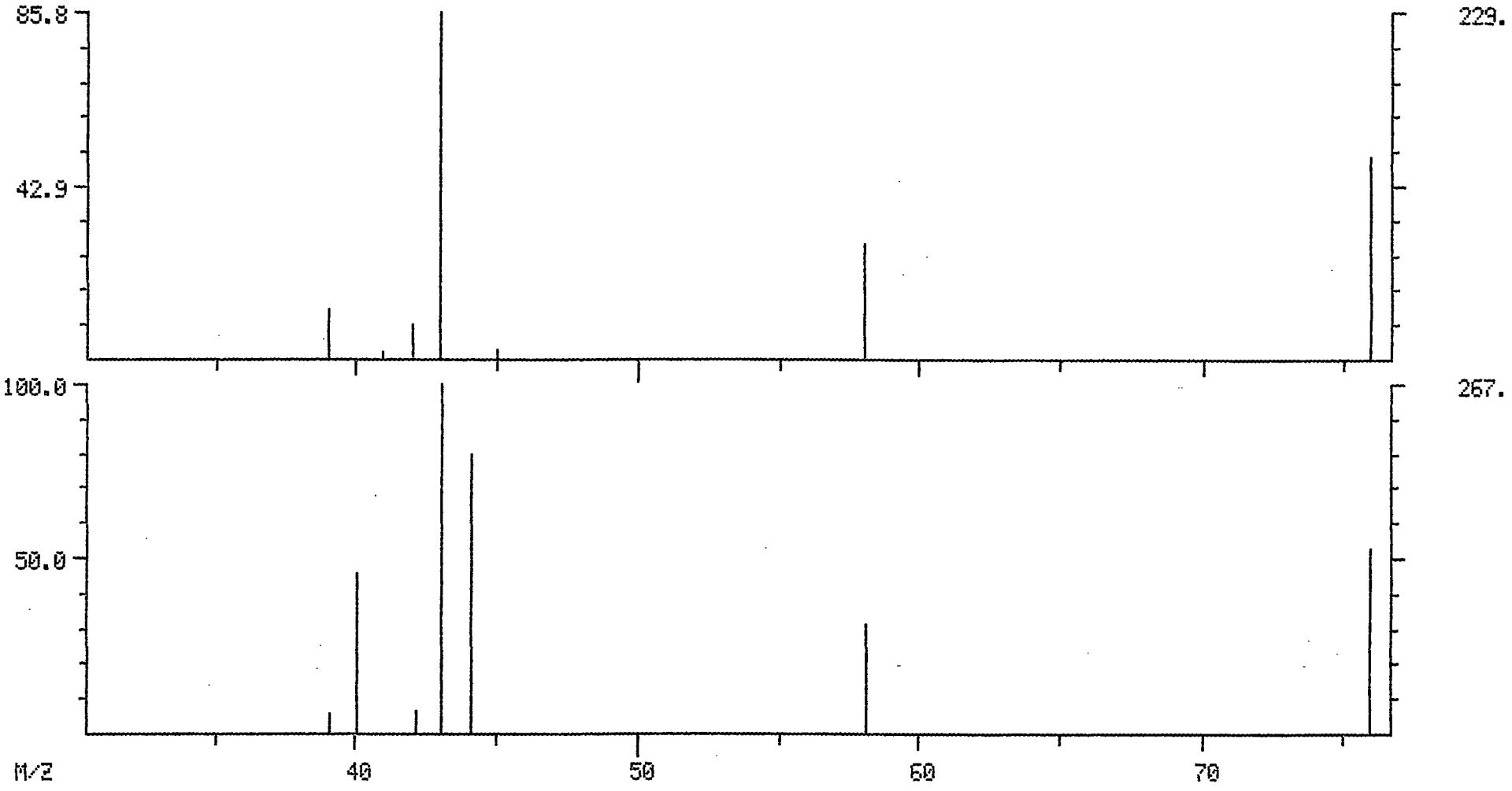
MID DUAL MASS SPECTRUM
05/02/92 6:16:00 + 2:46
SAMPLE: 60307101, EQK29, 5ML
CONDS.: INCOS50-2, 5ML
GC TEMP: 10 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOL2537 #110
CALI: VOL2537 #3

BASE M/Z: 43/ 43
RIC: 507./ 860.

000133

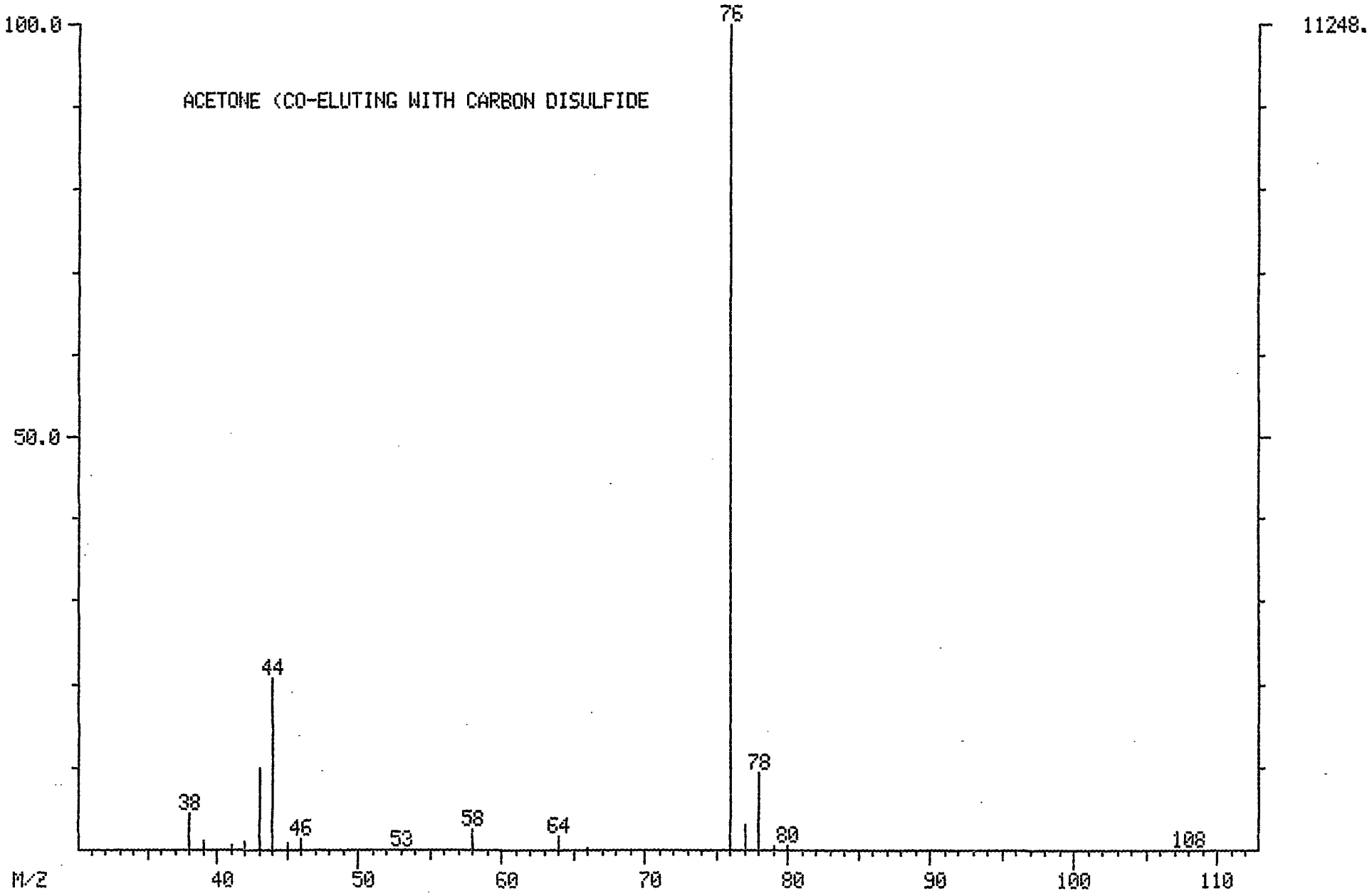
ACETONE



MID MASS SPECTRUM
05/01/92 20:42:00 + 2:44
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-2
GC TEMP: 10 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOL2520 #109
CALI: CALTAB #3

BASE M/Z: 76
RIC: 17728.



000134

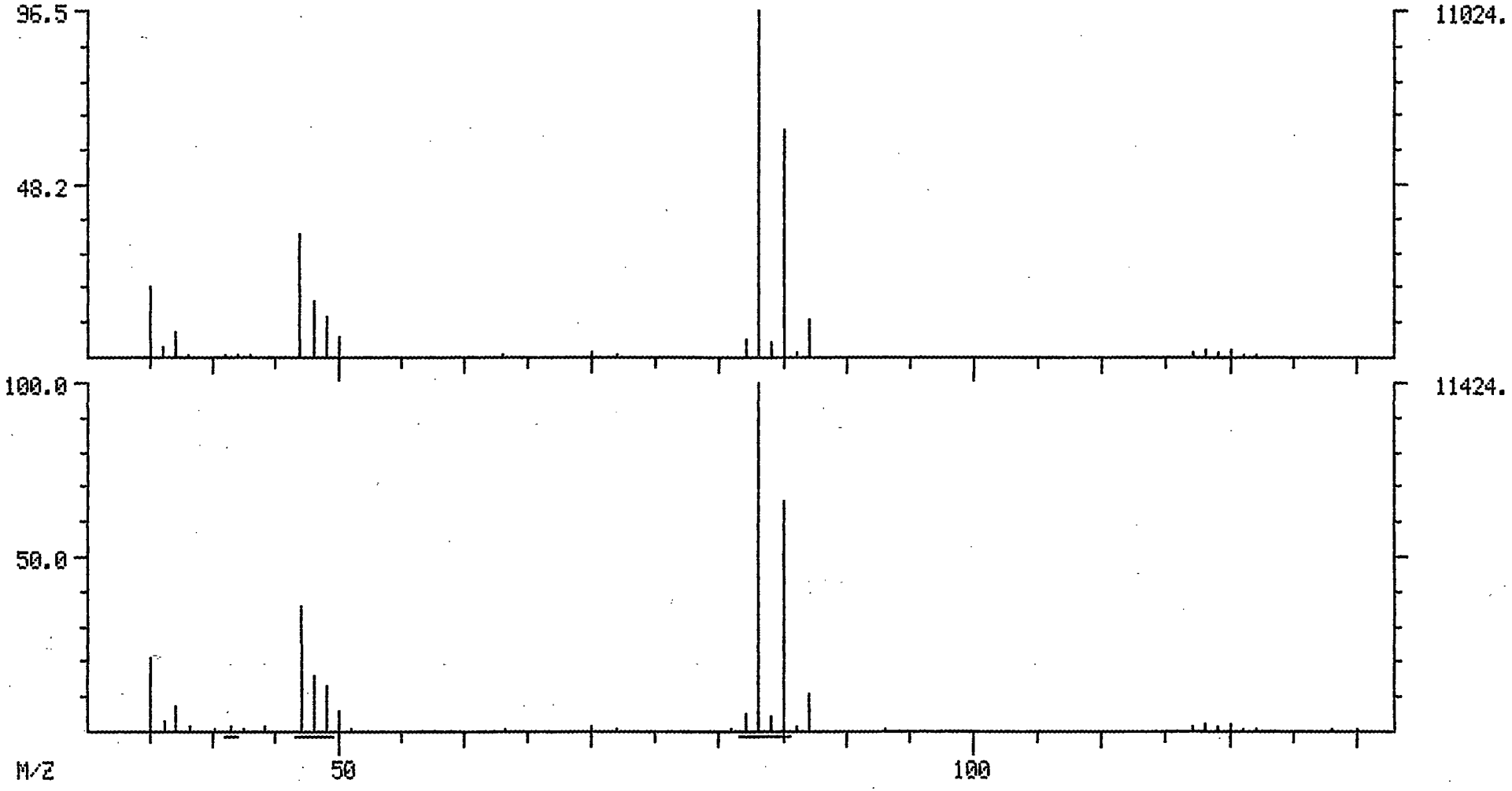
MID DUAL MASS SPECTRUM
05/02/92 6:16:00 + 6:53
SAMPLE: 60307101, EQK29, 5ML
CONDS.: INCOS50-2, 5ML
GC TEMP: 27 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOL2537 #274
CALI: VOL2537 #3

BASE M/Z: 83/ 83
RIC: 33279./ 35327.

000135

CHLOROFORM

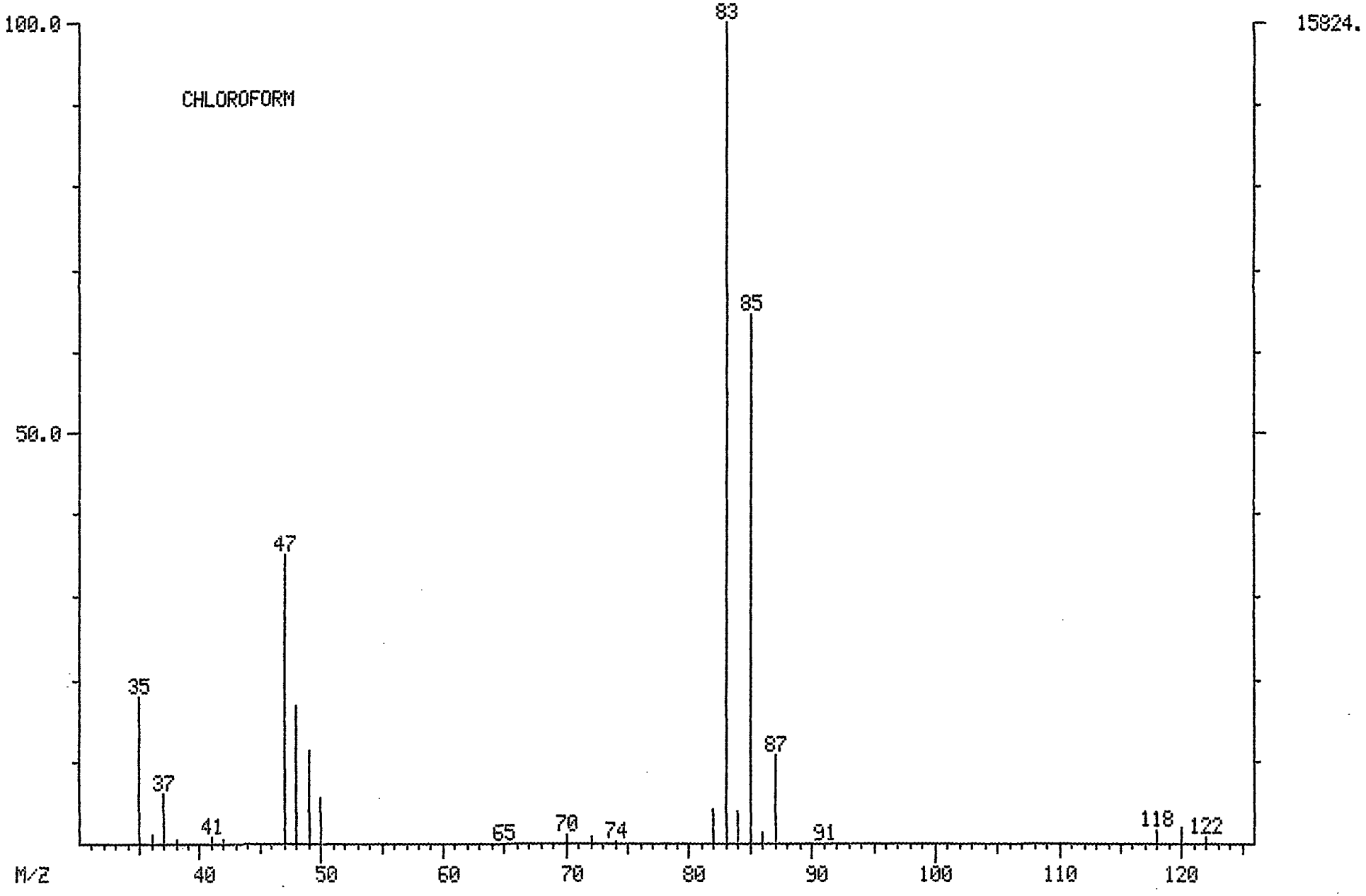


MID MASS SPECTRUM
05/01/92 20:42:00 + 6:53
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-2
GC TEMP: 27 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOL2520 #274
CALI: CALTAB #3

BASE M/Z: 83
RIC: 45440.

000136



VOLATILE STANDARDS DATA

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:INCOS50-2 Calibration Date(s): 4/20/92 4/20/92

Heated Purge: (Y/N) N Calibration Times: 0754 1048

GC Column:DB624 ID: 0.53 (mm)

LAB FILE ID: RRF10 =VOL2294 RRF20 =VOL2296
RRF50 =VOL2295 RRF100=VOL2292 RRF200=VOL2291

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane	0.799	0.884	0.871	0.919	0.838	0.862	5.3
Bromomethane *	2.621	2.769	2.893	2.958	2.879	2.824	4.7 *
Vinyl Chloride *	1.428	1.466	1.471	1.461	1.418	1.449	1.7 *
Chloroethane	1.645	1.716	1.851	1.847	1.782	1.768	5.0
Methylene Chloride	1.290	1.255	1.220	1.173	1.152	1.218	4.7
Acetone	0.451	0.332	0.347	0.475	0.303	0.382	20.0
Carbon Disulfide	3.614	3.488	3.675	3.802	4.135	3.743	6.6
1,1-Dichloroethene *	1.447	1.450	1.478	1.852	2.060	1.657	17.1 *
1,1-Dichloroethane *	2.580	2.526	2.608	2.527	2.596	2.567	1.5 *
1,2-Dichloroethene (total)	1.333	1.314	1.346	1.305	1.314	1.322	1.3
Chloroform *	3.238	3.165	3.298	3.268	3.597	3.313	5.0 *
1,2-Dichloroethane *	2.260	2.317	2.359	2.286	2.593	2.363	5.7 *
2-Butanone	0.586	0.461	0.548	0.673	0.523	0.558	14.1
1,1,1-Trichloroethane *	0.847	0.819	0.814	0.830	0.861	0.834	2.4 *
Carbon Tetrachloride *	0.823	0.790	0.812	0.849	0.909	0.837	5.5 *
Bromodichloromethane *	0.747	0.744	0.773	0.806	0.893	0.793	7.7 *
1,2-Dichloropropane	0.389	0.378	0.384	0.391	0.415	0.391	3.6
cis-1,3-Dichloropropene *	0.558	0.564	0.588	0.624	0.690	0.605	9.0 *
Trichloroethene *	0.466	0.456	0.462	0.469	0.514	0.473	4.9 *
Dibromochloromethane *	0.790	0.780	0.849	0.954	1.189	0.912	18.6 *
1,1,2-Trichloroethane *	0.374	0.372	0.402	0.431	0.495	0.415	12.3 *
Benzene *	1.043	1.032	1.060	1.107	1.190	1.086	5.9 *
trans-1,3-Dichloropropene *	0.400	0.528	0.558	0.605	0.686	0.555	19.0 *
Bromoform *	0.676	0.692	0.768	0.865	1.027	0.806	17.9 *
4-Methyl-2-Pentanone	0.411	0.414	0.432	0.468	0.445	0.434	5.4
2-Hexanone	0.282	0.268	0.294	0.384	0.335	0.313	15.0
Tetrachloroethene *	0.525	0.543	0.508	0.514	0.539	0.526	2.9 *
1,1,2,2-Tetrachloroethane *	0.825	0.796	0.817	0.861	0.865	0.833	3.5 *
Toluene *	1.077	1.097	1.037	1.063	1.070	1.069	2.0 *
Chlorobenzene *	1.051	1.049	0.976	1.004	1.017	1.019	3.1 *
Ethylbenzene *	0.420	0.432	0.416	0.432	0.455	0.431	3.5 *
Styrene *	0.934	0.988	0.982	1.107	1.264	1.055	12.6 *
Xylene (total) *	0.558	0.586	0.568	0.620	0.684	0.603	8.5 *
Toluene-d8	1.120	1.063	0.974	1.056	1.084	1.059	5.1
Bromofluorobenzene *	1.035	0.913	0.925	1.017	1.166	1.011	10.1 *
1,2-Dichloroethane-d4	2.136	2.083	2.064	2.184	2.550	2.203	9.0

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

000137

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:INCOS50-1 Calibration Date(s): 4/29/92 4/29/92

Heated Purge: (Y/N) Y Calibration Times: 1345 1653

GC Column:RTX502.2 ID: 0.53 (mm)

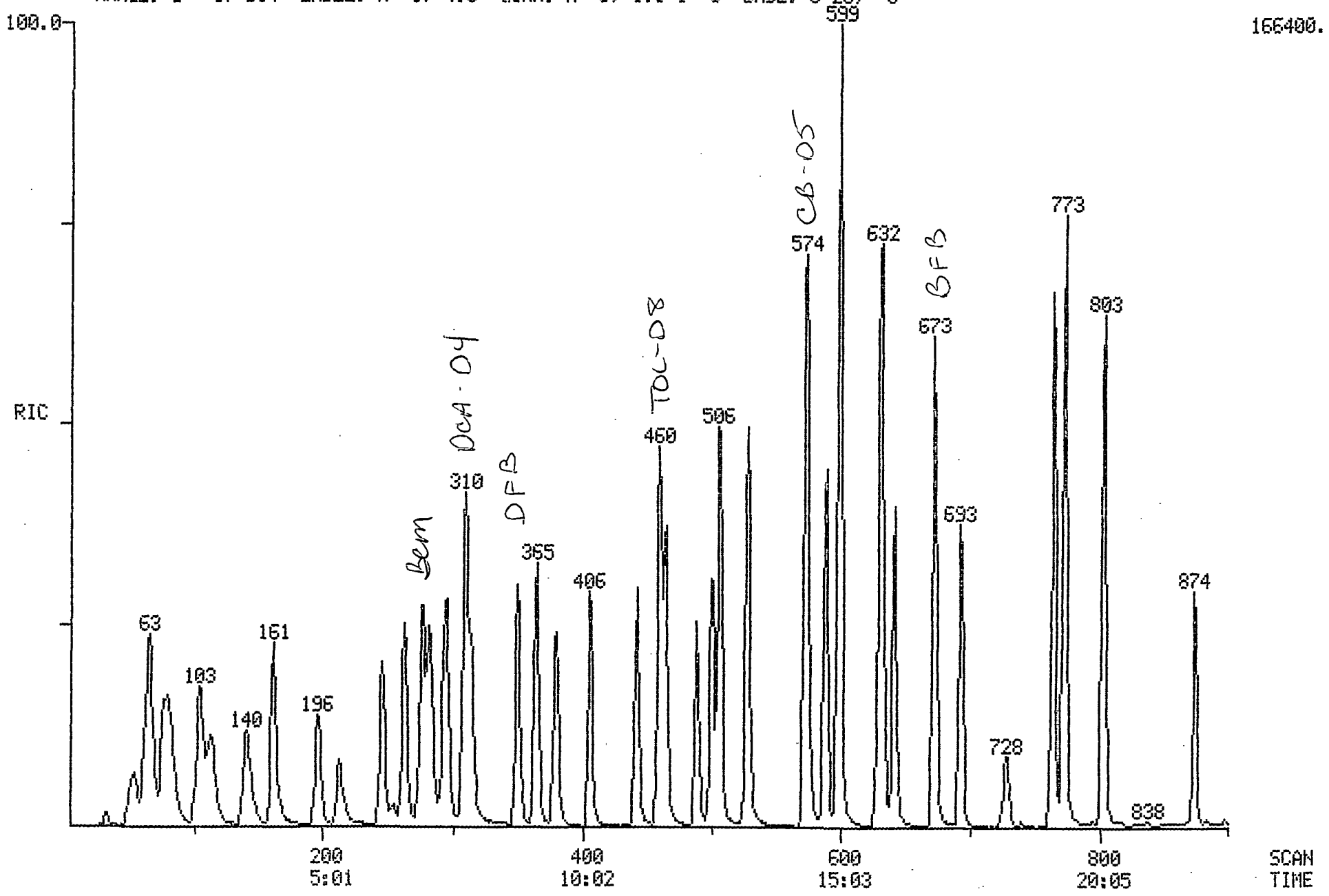
LAB FILE ID: RRF10 =VOI3294 RRF20 =VOI3293
RRF50 =VOI3290 RRF100=VOI3292 RRF200=VOI3291

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Chloromethane		1.173	1.518	1.012	1.166	1.448	1.263	16.8	
Bromomethane	*	1.461	1.394	1.159	1.375	1.915	1.461	19.0	*
Vinyl Chloride	*	1.459	1.515	1.094	1.378	1.644	1.418	14.5	*
Chloroethane		0.829	0.783	0.611	0.767	1.060	0.810	20.0	
Methylene Chloride		1.400	1.313	1.115	1.003	1.238	1.214	13.0	
Acetone		0.467	0.470	0.425	0.371	0.390	0.425	10.5	
Carbon Disulfide		2.635	2.664	2.518	2.328	2.885	2.606	7.8	
1,1-Dichloroethene	*	1.451	1.319	1.152	0.939	1.215	1.215	15.8	*
1,1-Dichloroethane	*	2.047	2.078	1.986	1.711	1.893	1.943	7.6	*
1,2-Dichloroethene (total)		1.546	1.477	1.287	1.103	1.325	1.348	12.9	
Chloroform	*	3.243	2.720	2.813	2.545	3.076	2.879	9.7	*
1,2-Dichloroethane	*	2.121	1.965	1.955	1.774	2.217	2.006	8.5	*
2-Butanone		0.661	0.616	0.662	0.807	1.008	0.751	21.4	
1,1,1-Trichloroethane	*	0.544	0.513	0.388	0.416	0.438	0.460	14.4	*
Carbon Tetrachloride	*	0.675	0.576	0.503	0.514	0.615	0.577	12.4	*
Bromodichloromethane	*	0.873	0.756	0.709	0.735	0.987	0.812	14.3	*
1,2-Dichloropropane		0.388	0.352	0.338	0.333	0.373	0.357	6.5	
cis-1,3-Dichloropropene	*	0.672	0.613	0.596	0.627	0.908	0.683	18.9	*
Trichloroethene	*	0.604	0.554	0.519	0.512	0.528	0.543	6.9	*
Dibromochloromethane	*	1.138	0.866	0.814	0.904	1.059	0.956	14.3	*
1,1,2-Trichloroethane	*	0.551	0.437	0.403	0.430	0.613	0.487	18.6	*
Benzene	*	0.865	0.786	0.757	0.745	0.761	0.783	6.2	*
trans-1,3-Dichloropropene	*	0.526	0.576	0.543	0.585	0.855	0.617	21.9	*
Bromoform	*	1.535	0.993	0.894	1.019	1.241	1.136	22.6	*
4-Methyl-2-Pentanone		0.593	0.610	0.522	0.598	0.778	0.620	15.3	
2-Hexanone		0.328	0.334	0.294	0.403	0.566	0.385	28.2	
Tetrachloroethene	*	0.661	0.621	0.559	0.570	0.765	0.635	13.1	*
1,1,2,2-Tetrachloroethane	*	1.470	0.954	0.850	0.973	1.042	1.058	22.7	*
Toluene	*	1.152	1.076	1.004	1.016	1.421	1.134	15.1	*
Chlorobenzene	*	1.269	1.056	0.971	1.019	1.077	1.078	10.6	*
Ethylbenzene	*	0.523	0.443	0.417	0.444	0.442	0.454	8.9	*
Styrene	*	1.277	1.026	0.940	0.995	0.953	1.038	13.3	*
Xylene (total)	*	0.733	0.596	0.553	0.582	0.568	0.606	12.0	*
Toluene-d8		1.013	0.943	0.924	0.972	1.337	1.038	16.4	
Bromofluorobenzene	*	0.854	0.951	0.781	0.814	1.032	0.886	11.7	*
1,2-Dichloroethane-d4		1.722	1.633	1.622	1.489	1.826	1.658	7.6	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

000138

MIDRIC DATA: VOL2295 #1 SCANS 1 TO 900
04/20/92 10:15:00 CALI: VOL2295 #3
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: ~~FINN52~~ FNCOS50-2 5/20/92 gr
RANGE: G 1, 984 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



000139

Quantitation Report File: VOL2295

Data: VOL2295.TI
04/20/92 10:15:00
Sample: VSTD050, 250NG VOL STD, 5ML
Conds.: ~~FINN52~~ INCOS 50-2
Formula: VOC Instrument: FINN52 Weight: 0.000
Submitted by: WADS 5/20/92 Analyst: JP Acct. No.: 68D10008

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

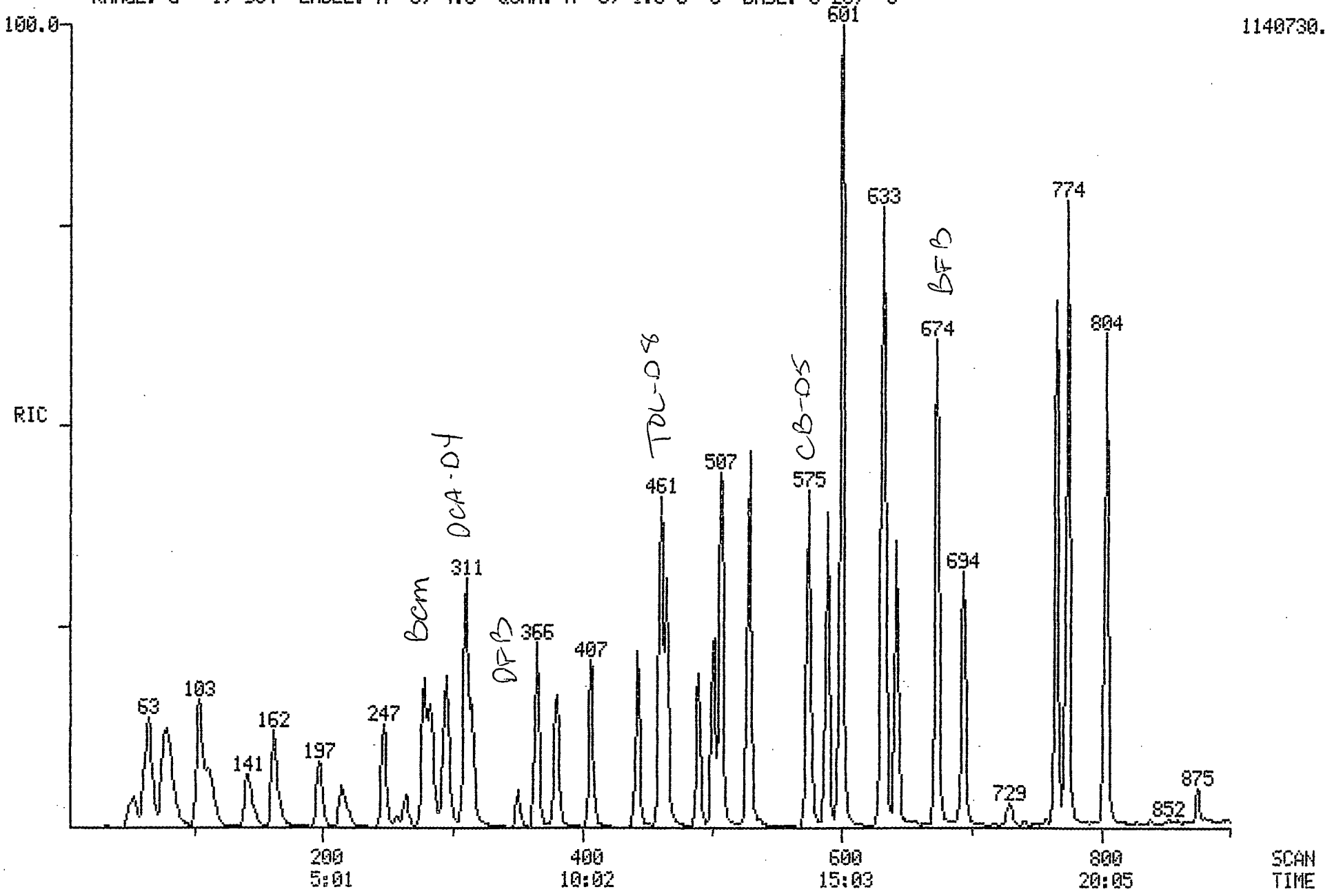
No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	DICHLORODIFLUOROMETHANE
50	CIS-1,2-DICHLOROETHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	263	6:36	1	1.000	A BB	22148.	250.000	NG	1.92
2	114	350	8:47	2	1.000	A BB	81575.	250.000	NG	1.92
3	117	573	14:23	3	1.000	A BB	81295.	250.000	NG	1.92
4	50	48	1:12	1	0.183	A BB	19292.	250.000	NG	1.92
5	94	61	1:32	1	0.232	A BB	64068.	250.000	NG	1.92
6	62	52	1:18	1	0.198	A BB	32579.	250.000	NG	1.92
7	64	63	1:35	1	0.240	A VB	40999.	250.000	NG	1.92
8	84	140	3:31	1	0.532	A BB	27030.	250.000	NG	1.92
9	43	112	2:49	1	0.426	A BB	7683.	250.000	NG	1.92
10	76	112	2:49	1	0.426	A BB	81386.	250.000	NG	1.92
11	96	103	2:35	1	0.392	A BB	32735.	250.000	NG	1.92
12	63	196	4:55	1	0.745	A BB	57761.	250.000	NG	1.92
13	96	161	4:02	1	0.612	A BB	29819.	250.000	NG	1.92
14	83	276	6:56	1	1.049	A BB	73050.	250.000	NG	1.92
15	62	315	7:54	1	1.198	A BB	52245.	250.000	NG	1.92
16	43	255	6:24	1	0.970	A BB	12126.	250.000	NG	1.92
17	97	282	7:05	2	0.806	A BB	66401.	250.000	NG	1.92
18	117	295	7:24	2	0.843	A BB	66237.	250.000	NG	1.92
19	43	213	5:21	2	0.609	A BB	56665.	250.000	NG	1.92
20	83	406	10:11	2	1.160	A BB	63019.	250.000	NG	1.92
21	63	380	9:32	2	1.086	A BB	31314.	250.000	NG	1.92
22	75	442	11:06	2	1.263	A BB	50815.	265.000	NG	2.04
23	130	365	9:10	2	1.043	A BB	37689.	250.000	NG	1.92
24	129	528	13:15	2	1.509	A BB	69220.	250.000	NG	1.92
25	97	500	12:33	2	1.429	A BB	32817.	250.000	NG	1.92
26	78	310	7:47	2	0.886	A BB	86444.	250.000	NG	1.92
27	75	489	12:16	2	1.397	A BB	41885.	230.000	NG	1.77
28	173	642	16:07	2	1.834	A BB	62672.	250.000	NG	1.92
29	43	460	11:33	3	0.803	A BB	35104.	250.000	NG	1.92
30	43	528	13:15	3	0.921	A BB	23880.	250.000	NG	1.92
31	164	506	12:42	3	0.883	A BB	41276.	250.000	NG	1.92
32	83	693	17:24	3	1.209	A BB	66397.	250.000	NG	1.92
33	91	465	11:40	3	0.812	A BB	84315.	250.000	NG	1.92
34	112	574	14:24	3	1.002	A BB	79316.	250.000	NG	1.92
35	106	589	14:47	3	1.028	A BV	33839.	250.000	NG	1.92
36	104	632	15:52	3	1.103	A BB	79836.	250.000	NG	1.92
37	106	599	15:02	3	1.045	A VB	97680.	500.000	NG	3.85
38	98	460	11:33	3	0.803	A BB	79154.	250.000	NG	1.92
39	95	673	16:53	3	1.175	A BB	75234.	250.000	NG	1.92
40	65	309	7:45	1	1.175	A BB	45705.	250.000	NG	1.92
41	63	438	11:00	2	1.251	A BV	446.	250.000	NG	1.92
42	106	630	15:49	3	1.099	A BB	46185.	250.000	NG	1.92
43	146	764	19:10	3	1.333	A BV	92704.	250.000	NG	1.92
44	146	773	19:24	3	1.349	A VB	100176.	250.000	NG	1.92
45	146	803	20:09	3	1.401	A BB	88181.	250.000	NG	1.92
46	56	99	2:29	1	0.376	A BB	6714.	500.000	NG	3.85
47	53	162	4:04	1	0.616	A BB	13170.	500.000	NG	3.85
48	101	77	1:56	1	0.293	A BB	110008.	250.000	NG	1.92
49	NOT	FOUND								
50	96	246	6:10	1	0.935	A BB	31114.	250.000	NG	1.92

MIDRIC DATA: VOL2291 #1 SCANS 1 TO 900
04/20/92 7:54:00 CALI: CALTAB #3
SAMPLE: VSTD200, 1000NG VOL STD, 5ML
CONDS.: ~~EIWW52~~ INCOSSO-2 5/20/92 JL
RANGE: G 1, 984 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

000142



Quantitation Report File: VOL2291

Data: VOL2291.TI
04/20/92 7:54:00
Sample: VSTD200, 1000NG VOL STD, 5ML
Conds.: ~~FINN52~~ INCOS 50-2
Formula: VOC Instrument: FINN52 Weight: 0.000
Submitted by: WADS 5/20/92 Analyst: JP Acct. No.: 68D10008

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

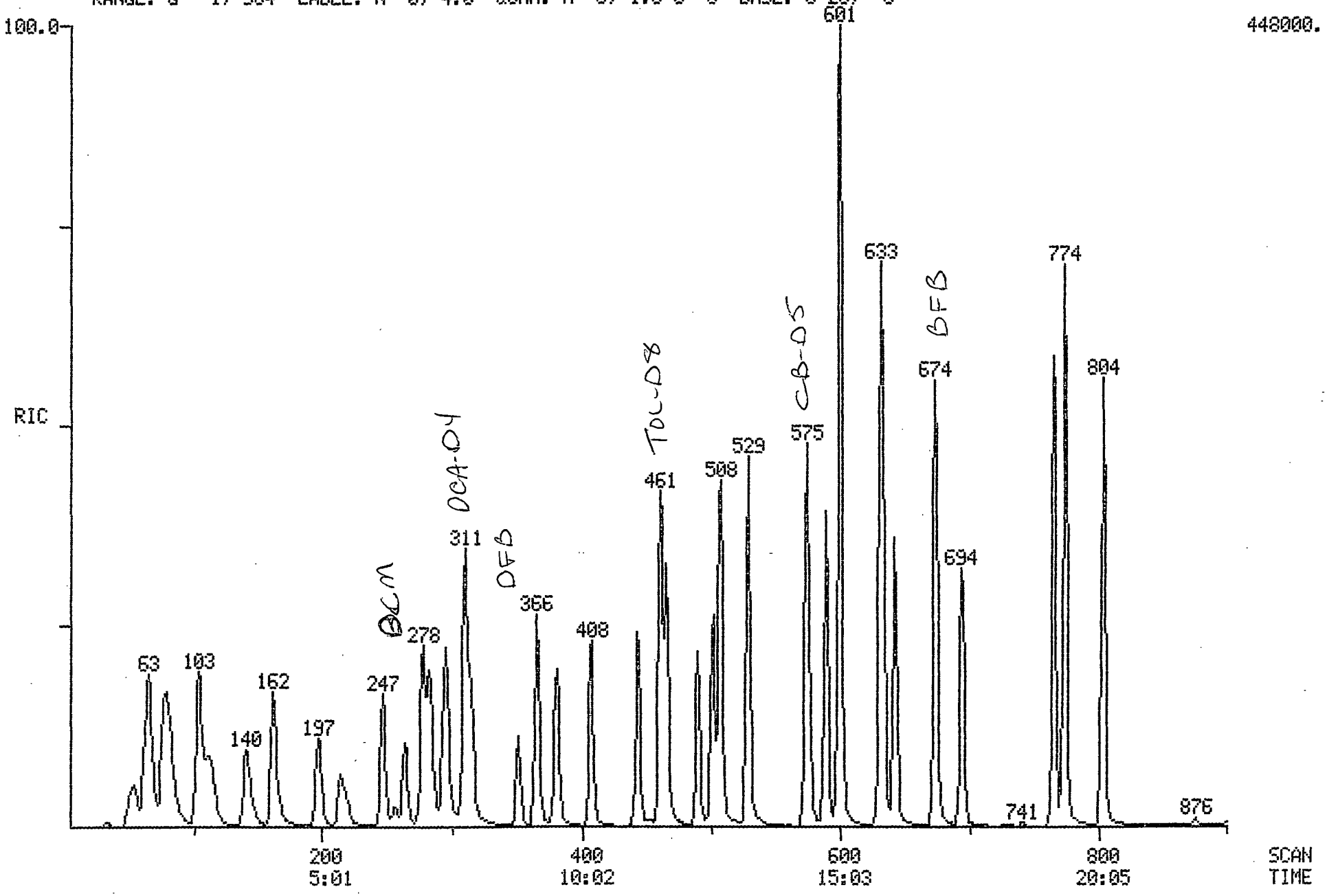
No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	DICHLORODIFLUOROMETHANE
50	CIS-1,2-DICHLOROETHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	264	6:38	1	1.000	A BB	22575.	250.000	NG	0.43
2	114	351	8:49	2	1.000	A BB	84422.	250.000	NG	0.43
3	117	574	14:24	3	1.000	A BB	106041.	250.000	NG	0.43
4	50	48	1:12	1	0.182	A BV	75641.	961.658	NG	1.64
5	94	61	1:32	1	0.231	A BB	259979.	995.281	NG	1.70
6	62	52	1:18	1	0.197	A BB	128022.	963.817	NG	1.64
7	64	64	1:36	1	0.242	A VB	160901.	962.583	NG	1.64
8	84	140	3:31	1	0.530	A BB	104048.	944.125	NG	1.61
9	43	116	2:55	1	0.439	A BB	27322.	872.271	NG	1.49
10	76	111	2:47	1	0.420	A BB	373407.	1125.330	NG	1.92
11	96	103	2:35	1	0.390	A BB	186015.	1393.720	NG	2.38
12	63	197	4:57	1	0.746	A BB	234410.	995.384	NG	1.70
13	96	162	4:04	1	0.614	A BB	118609.	975.589	NG	1.66
14	83	278	6:59	1	1.053	A BV	324817.	1090.600	NG	1.86
15	62	316	7:56	1	1.197	A BB	234107.	1099.050	NG	1.87
16	43	257	6:27	1	0.973	A BB	47227.	955.229	NG	1.63
17	97	283	7:06	2	0.806	A BB	290825.	1058.010	NG	1.80
18	117	295	7:24	2	0.840	A VB	307114.	1120.040	NG	1.91
19	43	215	5:24	2	0.613	A BB	238412.	1016.350	NG	1.73
20	83	407	10:13	2	1.160	A BB	301428.	1155.440	NG	1.97
21	63	381	9:34	2	1.085	A BB	140282.	1082.160	NG	1.85
22	75	443	11:07	2	1.262	A BB	249491.	1257.200	NG	2.14
23	130	366	9:11	2	1.043	A BB	173446.	1111.680	NG	1.90
24	129	529	13:17	2	1.507	A BB	401584.	1401.460	NG	2.39
25	97	501	12:34	2	1.427	A BB	167293.	1231.430	NG	2.10
26	78	311	7:48	2	0.886	A BB	401861.	1123.000	NG	1.92
27	75	490	12:18	2	1.396	A BB	215295.	1142.350	NG	1.95
28	173	643	16:08	2	1.832	A BB	346917.	1337.180	NG	2.28
29	43	462	11:36	3	0.805	A BB	188779.	1030.670	NG	1.76
30	43	529	13:17	3	0.922	A BB	142029.	1139.910	NG	1.94
31	164	507	12:43	3	0.883	A BB	228772.	1062.270	NG	1.81
32	83	694	17:25	3	1.209	A BB	366978.	1059.300	NG	1.81
33	91	466	11:42	3	0.812	A BB	453712.	1031.340	NG	1.76
34	112	575	14:26	3	1.002	A BB	431407.	1042.440	NG	1.78
35	106	590	14:48	3	1.028	A BV	193161.	1094.040	NG	1.87
36	104	633	15:53	3	1.103	A BB	536013.	1286.790	NG	2.19
37	106	601	15:05	3	1.047	A VB	675295.	2650.000	NG	4.52
38	98	461	11:34	3	0.803	A BB	459713.	1113.130	NG	1.90
39	95	674	16:55	3	1.174	A BB	494649.	1260.120	NG	2.15
40	65	310	7:47	1	1.174	A BB	230243.	1235.560	NG	2.11
41	63	439	11:01	2	1.251	A BB	5775.	3128.170	NG	5.34
42	106	632	15:52	3	1.101	A BB	290113.	1203.910	NG	2.05
43	146	765	19:12	3	1.333	A BV	565230.	1168.570	NG	1.99
44	146	774	19:25	3	1.348	A VB	629389.	1204.160	NG	2.05
45	146	804	20:11	3	1.401	A BB	534561.	1161.850	NG	1.98
46	56	102	2:34	1	0.386	A BB	35528.	2595.870	NG	4.43
47	53	165	4:08	1	0.625	A BB	52516.	1956.060	NG	3.34
48	101	77	1:56	1	0.292	A BB	543954.	1212.780	NG	2.07
49	85	38	0:57	1	0.144	A BB	1078.	875.599	NG	1.49
50	96	247	6:12	1	0.936	A BB	126711.	998.867	NG	1.70

MIDRIC DATA: VOL2292 #1 SCANS 1 TO 900
04/20/92 8:33:00 CALI: VOL2292 #3
SAMPLE: VSTD100, 500NG VOL STD, 5ML
CONDS.: ~~FINN52~~ INCOS80-2 5/20/92 [illegible]
RANGE: G 1, 984 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

000145



Quantitation Report File: VOL2292

Data: VOL2292.TI
04/20/92 8:33:00
Sample: VSTD100, 500NG VOL STD, 5ML
Conds.: ~~FINN52~~ INCOS 50-2
Formula: VOC Instrument: FINN52 Weight: 0.000
Submitted by: WADS 5/20/92 Analyst: JP Acct. No.: 68D10008

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

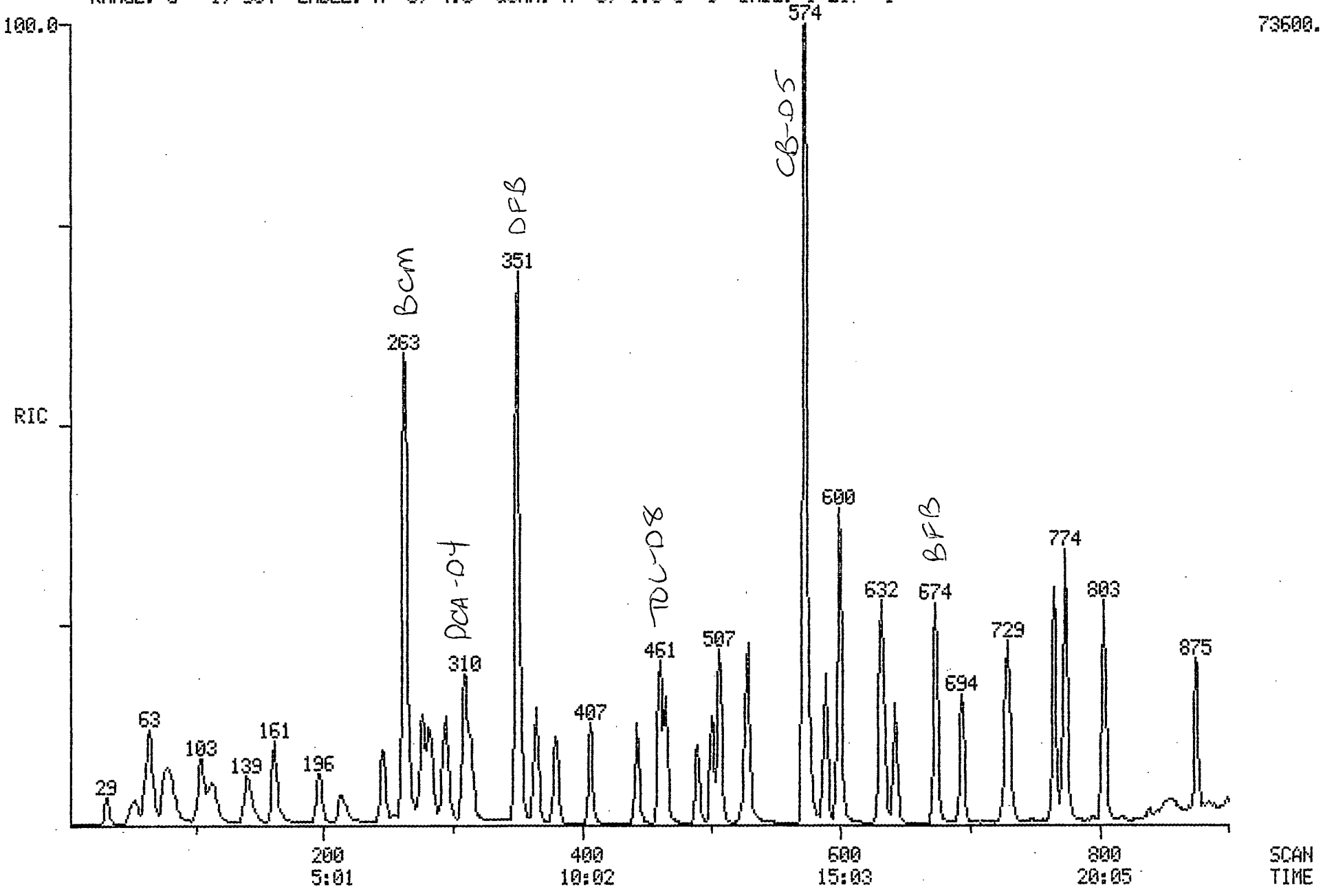
No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	DICHLORODIFLUOROMETHANE
50	CIS-1,2-DICHLOROETHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	264	6:38	1	1.000	A BB	24035.	250.000	NG	0.87
2	114	351	8:49	2	1.000	A BB	84398.	250.000	NG	0.87
3	117	574	14:24	3	1.000	A BB	89212.	250.000	NG	0.87
4	50	48	1:12	1	0.182	A BV	44153.	527.240	NG	1.84
5	94	61	1:32	1	0.231	A BB	142203.	511.327	NG	1.79
6	62	52	1:18	1	0.197	A BB	70232.	496.623	NG	1.74
7	64	64	1:36	1	0.242	A VB	88804.	498.997	NG	1.74
8	84	140	3:31	1	0.530	A BB	56404.	480.716	NG	1.68
9	43	115	2:53	1	0.436	A BB	22845.	685.031	NG	2.39
10	76	111	2:47	1	0.420	A BB	182769.	517.350	NG	1.81
11	96	103	2:35	1	0.390	A BB	89014.	626.427	NG	2.19
12	63	197	4:57	1	0.746	A BB	121457.	484.417	NG	1.69
13	96	162	4:04	1	0.614	A BB	62736.	484.676	NG	1.69
14	83	278	6:59	1	1.053	A BV	157091.	495.408	NG	1.73
15	62	316	7:56	1	1.197	A BB	109906.	484.627	NG	1.69
16	43	257	6:27	1	0.973	A BB	32337.	614.321	NG	2.15
17	97	283	7:06	2	0.806	A BB	140086.	509.780	NG	1.78
18	117	295	7:24	2	0.840	A VB	143261.	522.627	NG	1.83
19	43	214	5:22	2	0.610	A BB	127385.	543.206	NG	1.90
20	83	408	10:14	2	1.162	A BB	135971.	521.360	NG	1.82
21	63	381	9:34	2	1.085	A BB	65977.	509.107	NG	1.78
22	75	443	11:07	2	1.262	A BB	112613.	567.630	NG	1.98
23	130	366	9:11	2	1.043	A BB	79164.	507.538	NG	1.77
24	129	529	13:17	2	1.507	A BB	160999.	562.023	NG	1.96
25	97	502	12:36	2	1.430	A BB	72767.	535.788	NG	1.87
26	78	311	7:48	2	0.886	A BB	186877.	522.380	NG	1.83
27	75	490	12:18	2	1.396	A BB	94995.	504.188	NG	1.76
28	173	643	16:08	2	1.832	A BB	146072.	563.194	NG	1.97
29	43	462	11:36	3	0.805	A VB	83467.	541.671	NG	1.89
30	43	529	13:17	3	0.922	A BB	68533.	653.799	NG	2.29
31	164	508	12:45	3	0.885	A BB	91724.	506.248	NG	1.77
32	83	694	17:25	3	1.209	A BB	153689.	527.322	NG	1.84
33	91	466	11:42	3	0.812	A BB	189663.	512.455	NG	1.79
34	112	576	14:27	3	1.003	A BB	179069.	514.324	NG	1.80
35	106	590	14:48	3	1.028	A BV	77154.	519.428	NG	1.82
36	104	633	15:53	3	1.103	A BB	197474.	563.501	NG	1.97
37	106	601	15:05	3	1.047	A VB	245959.	1147.260	NG	4.01
38	98	461	11:34	3	0.803	A BB	188464.	542.424	NG	1.90
39	95	674	16:55	3	1.174	A BB	181521.	549.657	NG	1.92
40	65	310	7:47	1	1.174	A BB	104984.	529.159	NG	1.85
41	63	439	11:01	2	1.251	A BB	2805.	1519.710	NG	5.31
42	106	632	15:52	3	1.101	A BB	110574.	545.420	NG	1.91
43	146	765	19:12	3	1.333	A BV	214402.	526.879	NG	1.84
44	146	774	19:25	3	1.348	A VB	236230.	537.220	NG	1.88
45	146	804	20:11	3	1.401	A BB	203577.	525.937	NG	1.84
46	56	101	2:32	1	0.383	A BB	19316.	1325.630	NG	4.63
47	53	164	4:07	1	0.621	A BB	28873.	1010.110	NG	3.53
48	101	77	1:56	1	0.292	A BB	285826.	598.559	NG	2.09
49	85	38	0:57	1	0.144	A BB	529.	403.576	NG	1.41
50	96	247	6:12	1	0.936	A BB	65664.	486.186	NG	1.70

MIDRIC DATA: VOL2294 #1 SCANS 1 TO 900
04/20/92 9:40:00 CALI: VOL2294 #3
SAMPLE: VSTD010, 50NG VOL STD, 5ML
CONDS.: ~~FINN52~~ INCOS50-2 5/20/92 JL
RANGE: G 1, 984 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

000148



Quantitation Report File: VOL2294

Data: VOL2294.TI
04/20/92 9:40:00
Sample: VSTD010, 50NG VOL STD, 5ML
Conds.: ~~FINN52~~ INCOS 50-2
Formula: VOC Instrument: FINN52 Weight: 0.000
Submitted by: WADS 5/20/92 Analyst: JP Acct. No.: 68D10008

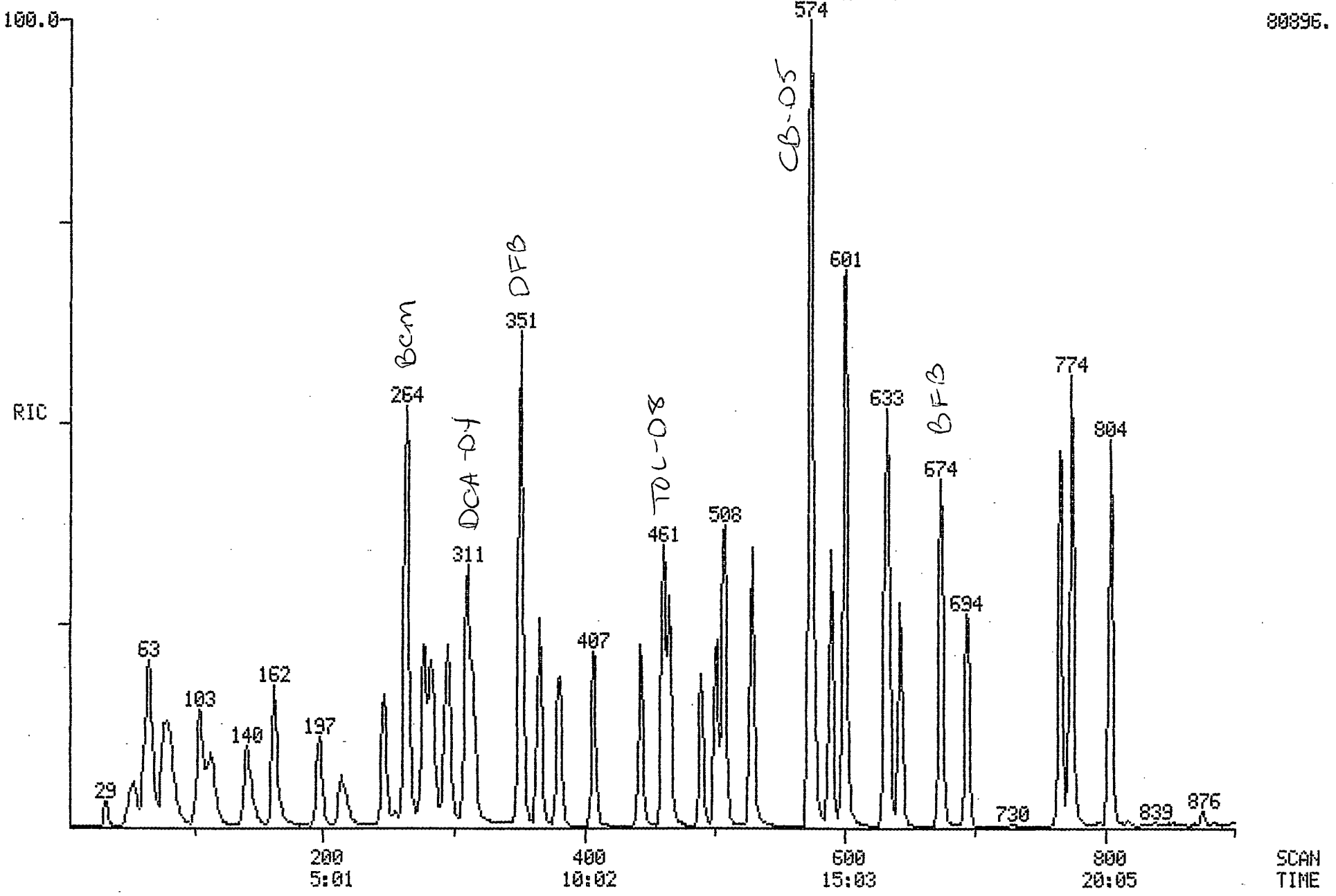
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	DICHLORODIFLUOROMETHANE
50	CIS-1,2-DICHLOROETHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	263	6:36	1	1.000	A BB	24250.	250.000	NG	7.91
2	114	351	8:49	2	1.000	A BB	83696.	250.000	NG	7.91
3	117	573	14:23	3	1.000	A BB	76435.	250.000	NG	7.91
4	50	48	1:12	1	0.183	A BB	3876.	45.874	NG	1.45
5	94	62	1:33	1	0.236	A BB	12713.	45.309	NG	1.43
6	62	52	1:18	1	0.198	A BB	6926.	48.539	NG	1.54
7	64	63	1:35	1	0.240	A VB	7977.	44.426	NG	1.41
8	84	139	3:29	1	0.529	A BB	6258.	52.866	NG	1.67
9	43	111	2:47	1	0.422	A BB	2185.	64.938	NG	2.05
10	76	112	2:49	1	0.426	A BB	17528.	49.175	NG	1.56
11	96	103	2:35	1	0.392	A BB	7020.	48.965	NG	1.55
12	63	196	4:55	1	0.745	A BB	12515.	49.472	NG	1.56
13	96	161	4:02	1	0.612	A BB	6467.	49.518	NG	1.57
14	83	277	6:57	1	1.053	A BB	15706.	49.092	NG	1.55
15	62	315	7:54	1	1.198	A BB	10959.	47.895	NG	1.51
16	43	255	6:24	1	0.970	A BB	2841.	53.503	NG	1.69
17	97	282	7:05	2	0.803	A BB	14184.	52.049	NG	1.65
18	117	295	7:24	2	0.840	A BB	13773.	50.666	NG	1.60
19	43	213	5:21	2	0.607	A BB	11426.	49.132	NG	1.55
20	83	407	10:13	2	1.160	A BB	12496.	48.316	NG	1.53
21	63	380	9:32	2	1.083	A BB	6512.	50.671	NG	1.60
22	75	443	11:07	2	1.262	A BB	10095.	51.311	NG	1.62
23	130	365	9:10	2	1.040	A BB	7806.	50.466	NG	1.60
24	129	529	13:17	2	1.507	A BB	13224.	46.550	NG	1.47
25	97	501	12:34	2	1.427	A BB	6257.	46.457	NG	1.47
26	78	311	7:48	2	0.886	A BB	17464.	49.226	NG	1.56
27	75	490	12:18	2	1.396	A BB	8044.	43.052	NG	1.36
28	173	643	16:08	2	1.832	A BB	11309.	43.968	NG	1.39
29	43	461	11:34	3	0.805	A BB	6286.	47.617	NG	1.51
30	43	529	13:17	3	0.923	A BV	4306.	47.946	NG	1.52
31	164	507	12:43	3	0.885	A BB	8033.	51.748	NG	1.64
32	83	694	17:25	3	1.211	A BB	12608.	50.491	NG	1.60
33	91	465	11:40	3	0.812	A BB	16466.	51.928	NG	1.64
34	112	575	14:26	3	1.003	A BB	16066.	53.859	NG	1.70
35	106	589	14:47	3	1.028	A BV	6414.	50.399	NG	1.59
36	104	633	15:53	3	1.105	A BB	14277.	47.551	NG	1.50
37	106	600	15:03	3	1.047	A VB	17904.	97.474	NG	3.08
38	98	461	11:34	3	0.805	A BB	17125.	57.528	NG	1.82
39	95	674	16:55	3	1.176	A BB	15817.	55.903	NG	1.77
40	65	309	7:45	1	1.175	A BB	10362.	51.765	NG	1.64
41	63	439	11:01	2	1.251	A BB	71.	38.789	NG	1.23
42	106	631	15:50	3	1.101	A BB	8525.	49.081	NG	1.55
43	146	765	19:12	3	1.335	A BV	18836.	54.027	NG	1.71
44	146	774	19:25	3	1.351	A VB	19968.	53.003	NG	1.68
45	146	803	20:09	3	1.401	A BB	17857.	53.845	NG	1.70
46	56	99	2:29	1	0.376	A BB	1227.	83.459	NG	2.64
47	53	162	4:04	1	0.616	A BB	2698.	93.551	NG	2.96
48	101	77	1:56	1	0.293	A BB	20960.	43.504	NG	1.38
49	NOT	FOUND								
50	96	246	6:10	1	0.935	A BB	6493.	47.649	NG	1.51

MIDRIC DATA: VOL2296 #1 SCANS 1 TO 900
04/20/92 10:48:00 CALI: CALTAB #3
SAMPLE: VSTD020, 100NG VOL STD, 5ML
CONDS.: ~~FINN52~~ INCOS50-2 5/20/92 JGL
RANGE: G 1, 984 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



000151

Quantitation Report File: VOL2296

Data: VOL2296.TI
04/20/92 10:48:00
Sample: VSTD020, 100NG VOL STD, 5ML
Conds.: ~~FINN52~~ INCOS 50-2
Formula: VOC Instrument: FINN52 Weight: 0.000
Submitted by: WADS 5/20/92 Analyst: JP Acct. No.: 68D10008

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

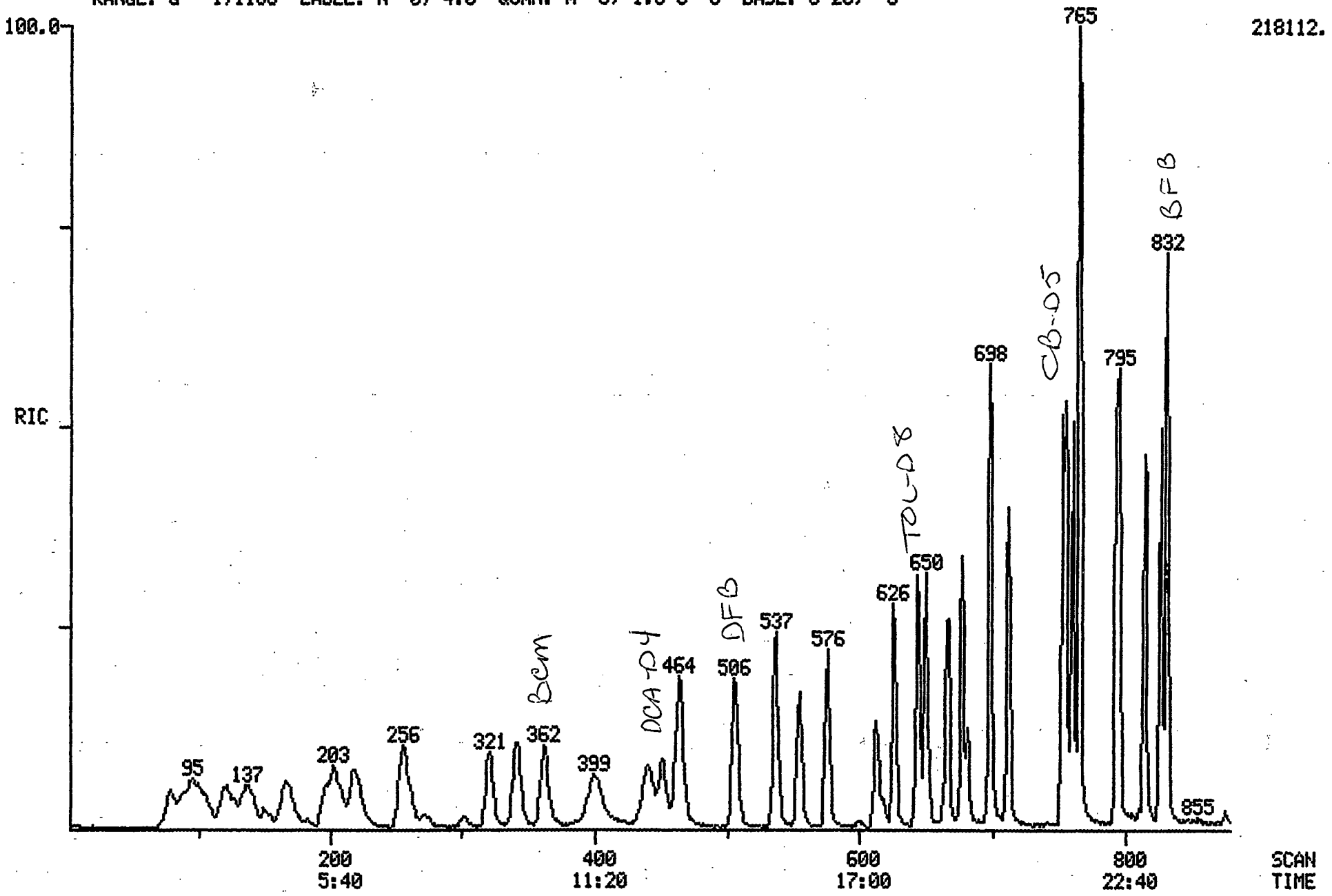
No	Name
48	TRICHLOROFLUOROMETHANE
49	DICHLORODIFLUOROMETHANE
50	CIS-1,2-DICHLOROETHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	264	6:38	1	1.000	A BB	22477.	250.000	NG	4.43
2	114	351	8:49	2	1.000	A BB	80912.	250.000	NG	4.43
3	117	574	14:24	3	1.000	A BB	72489.	250.000	NG	4.43
4	50	48	1:12	1	0.182	A BB	7952.	101.538	NG	1.80
5	94	62	1:33	1	0.235	A BB	24898.	95.735	NG	1.70
6	62	52	1:18	1	0.197	A BB	13178.	99.647	NG	1.77
7	64	64	1:36	1	0.242	A VB	15429.	92.703	NG	1.64
8	84	140	3:31	1	0.530	A BB	11281.	102.813	NG	1.82
9	43	112	2:49	1	0.424	A BB	2986.	95.744	NG	1.70
10	76	112	2:49	1	0.424	A BB	31361.	94.924	NG	1.68
11	96	103	2:35	1	0.390	A BB	13040.	98.130	NG	1.74
12	63	197	4:57	1	0.746	A BB	22712.	96.863	NG	1.72
13	96	161	4:02	1	0.610	A BB	11816.	97.617	NG	1.73
14	83	277	6:57	1	1.049	A BB	28452.	95.947	NG	1.70
15	62	315	7:54	1	1.193	A BB	20832.	98.226	NG	1.74
16	43	256	6:25	1	0.970	A BB	4142.	84.152	NG	1.49
17	97	283	7:06	2	0.806	A BB	26503.	100.602	NG	1.78
18	117	295	7:24	2	0.840	A BB	25583.	97.349	NG	1.72
19	43	214	5:22	2	0.610	A BB	21496.	95.614	NG	1.69
20	83	407	10:13	2	1.160	A BB	24064.	96.245	NG	1.71
21	63	381	9:34	2	1.085	A BB	12221.	98.369	NG	1.74
22	75	443	11:07	2	1.262	A BB	19529.	102.678	NG	1.82
23	130	366	9:11	2	1.043	A BB	14758.	98.693	NG	1.75
24	129	529	13:17	2	1.507	A BB	25231.	91.872	NG	1.63
25	97	502	12:36	2	1.430	A BB	12031.	92.402	NG	1.64
26	78	311	7:48	2	0.886	A BB	33389.	97.354	NG	1.72
27	75	490	12:18	2	1.396	A BB	15889.	87.965	NG	1.56
28	173	643	16:08	2	1.832	A BB	22401.	90.090	NG	1.60
29	43	462	11:36	3	0.805	A BB	11995.	95.801	NG	1.70
30	43	529	13:17	3	0.922	A BB	7778.	91.326	NG	1.62
31	164	507	12:43	3	0.883	A BB	15735.	106.881	NG	1.89
32	83	694	17:25	3	1.209	A BB	23070.	97.417	NG	1.73
33	91	466	11:42	3	0.812	A BB	31809.	105.773	NG	1.87
34	112	576	14:27	3	1.003	A BB	30410.	107.494	NG	1.90
35	106	590	14:48	3	1.028	A BV	12525.	103.776	NG	1.84
36	104	633	15:53	3	1.103	A BB	28637.	100.569	NG	1.78
37	106	600	15:03	3	1.045	A VB	34742.	199.439	NG	3.53
38	98	461	11:34	3	0.803	A BB	30818.	109.161	NG	1.93
39	95	674	16:55	3	1.174	A BB	26485.	98.700	NG	1.75
40	65	310	7:47	1	1.174	A BB	18729.	100.945	NG	1.79
41	63	440	11:03	2	1.254	A BB	380.	214.749	NG	3.81
42	106	631	15:50	3	1.099	A BB	17000.	103.200	NG	1.83
43	146	765	19:12	3	1.333	A BV	34014.	102.871	NG	1.82
44	146	774	19:25	3	1.348	A VB	36665.	102.617	NG	1.82
45	146	804	20:11	3	1.401	A BB	32392.	102.990	NG	1.82
46	56	99	2:29	1	0.375	A BB	2408.	176.709	NG	3.13
47	53	163	4:05	1	0.617	A BB	4834.	180.827	NG	3.20
48	101	78	1:57	1	0.295	A BB	41518.	92.971	NG	1.65
49	NOT	FOUND								
50	96	247	6:12	1	0.936	A BB	12278.	97.209	NG	1.72

MIDRIC
04/29/92 13:45:00
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: ~~FINN50-1~~ INCOS50-1 5/20/92 [illegible]
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOI3290 #1 SCANS 1 TO 880
CALI: VOI3290 #3

000154



Quantitation Report File: VOI3290

Data: VOI3290.TI
04/29/92 13:45:00
Sample: VSTD050, 250NG VOL STD, 5ML
Conds.: ~~FINN50-1~~ INCOS 50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS 5/20/92 Analyst: JP Acct. No.: 68D10085

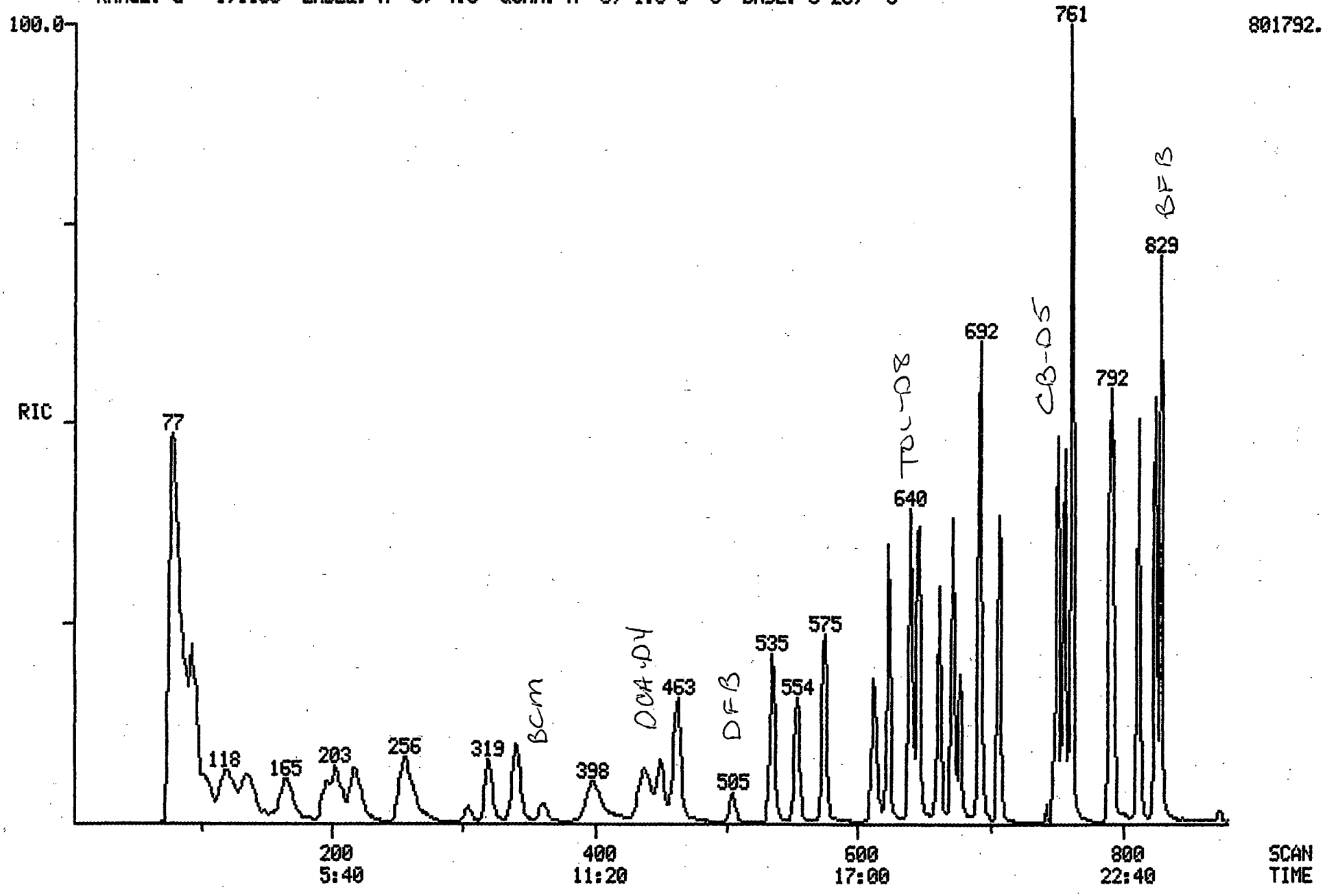
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	362	10:16	1	1.000	A BB	19877.	250.000 NG	1.88
2	114	506	14:20	2	1.000	A BB	85415.	250.000 NG	1.88
3	117	753	21:20	3	1.000	A BB	89665.	250.000 NG	1.88
4	50	101	2:52	1	0.279	A VB	20123.	250.000 NG	1.88
5	94	121	3:26	1	0.334	A BB	23033.	250.000 NG	1.88
6	62	106	3:00	1	0.293	A BB	21749.	250.000 NG	1.88
7	64	119	3:22	1	0.329	A VB	12147.	250.000 NG	1.88
8	84	197	5:35	1	0.544	A BB	22161.	250.000 NG	1.88
9	43	155	4:24	1	0.428	A BB	8455.	250.000 NG	1.88
10	76	207	5:52	1	0.572	A BB	50057.	250.000 NG	1.88
11	96	167	4:44	1	0.461	A BB	22907.	250.000 NG	1.88
12	63	254	7:12	1	0.702	A BB	39472.	250.000 NG	1.88
13	96	219	6:12	1	0.605	A BB	25586.	250.000 NG	1.88
14	83	342	9:42	1	0.945	A BB	55921.	250.000 NG	1.88
15	62	464	13:09	1	1.282	A BB	38863.	250.000 NG	1.88
16	43	302	8:33	1	0.834	A BB	13158.	250.000 NG	1.88
17	97	401	11:22	2	0.792	A BB	33119.	250.000 NG	1.88
18	117	440	12:28	2	0.870	A BB	42927.	250.000 NG	1.88
19	43	257	7:17	2	0.508	A BB	53288.	250.000 NG	1.88
20	83	576	16:19	2	1.138	A BB	60568.	250.000 NG	1.88
21	63	555	15:44	2	1.097	A BB	28881.	250.000 NG	1.88
22	75	626	17:44	2	1.237	A BB	53989.	265.000 NG	1.99
23	130	537	15:13	2	1.061	A BB	44339.	250.000 NG	1.88
24	129	712	20:11	2	1.407	A VB	69493.	250.000 NG	1.88
25	97	677	19:11	2	1.338	A BB	34464.	250.000 NG	1.88
26	78	464	13:09	2	0.917	A BB	64636.	250.000 NG	1.88
27	75	667	18:54	2	1.318	A BV	42678.	230.000 NG	1.73
28	173	815	23:06	2	1.611	A BV	76383.	250.000 NG	1.88
29	43	613	17:22	3	0.814	A BB	46835.	250.000 NG	1.88
30	43	681	19:18	3	0.904	A BB	26393.	250.000 NG	1.88
31	164	698	19:47	3	0.927	A BV	50149.	250.000 NG	1.88
32	83	827	23:26	3	1.098	A BB	76247.	250.000 NG	1.88
33	91	650	18:25	3	0.863	A BB	90050.	250.000 NG	1.88
34	112	755	21:24	3	1.003	A BB	87038.	250.000 NG	1.88
35	106	760	21:32	3	1.009	A BV	37352.	250.000 NG	1.88
36	104	796	22:33	3	1.057	A BB	84271.	250.000 NG	1.88
37	106	765	21:41	3	1.016	A VB	100031.	500.000 NG	3.76
38	98	644	18:15	3	0.855	A BB	82851.	250.000 NG	1.88
39	95	832	23:35	3	1.105	A VB	70034.	250.000 NG	1.88
40	65	451	12:47	1	1.246	A BV	32245.	250.000 NG	1.88
41	63	611	17:19	2	1.208	A BB	952.	250.000 NG	1.88
42	106	793	22:28	3	1.053	A BB	49628.	250.000 NG	1.88
43	146	900	25:30	3	1.195	A BV	117298.	250.000 NG	1.88
44	146	906	25:40	3	1.203	A VB	121659.	250.000 NG	1.88
45	146	928	26:18	3	1.232	A BB	109368.	250.000 NG	1.88
46	56	151	4:17	1	0.417	A BB	4303.	500.000 NG	3.76
47	53	203	5:45	1	0.561	A BB	12145.	500.000 NG	3.76
48	101	137	3:53	1	0.378	A BB	50665.	250.000 NG	1.88
49	96	321	9:06	1	0.887	A BB	27305.	250.000 NG	1.88
50	85	89	2:31	1	0.246	A BB	32960.	250.000 NG	1.88

MIDRIC DATA: VOI3291 #1 SCANS 1 TO 880
04/29/92 14:49:00 CALI: VOI3291 #3
SAMPLE: VSTD200, 1000NG VOL STD, 5ML
CONDS.: FINN50-1 INCOS 50-1 5/20/92 JCL
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



000157

Quantitation Report File: VOI3291

Data: VOI3291.TI
04/29/92 14:49:00
Sample: VSTD200, 1000NG VOL STD, 5ML
Conds.: ~~FINN50~~=1 INCOS 50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS 5/20/92 Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	DICHLORODIFLUOROMETHANE
50	CIS-1,2-DICHLOROETHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	360	10:12	1	1.000	A BB	15560.	250.000	NG	0.40
2	114	505	14:19	2	1.000	A BB	61465.	250.000	NG	0.40
3	117	748	21:12	3	1.000	A BB	71037.	250.000	NG	0.40
4	50	101	2:52	1	0.281	A BB	90129.	1430.400	NG	2.28
5	94	120	3:24	1	0.333	A BB	119208.	1652.910	NG	2.64
6	62	105	2:59	1	0.292	A BB	102328.	1502.630	NG	2.40
7	64	116	3:17	1	0.322	A VB	65960.	1734.240	NG	2.77
8	84	196	5:33	1	0.544	A BB	77058.	1110.500	NG	1.77
9	43	156	4:25	1	0.433	A VB	24260.	916.383	NG	1.46
10	76	207	5:52	1	0.575	A BB	179589.	1145.800	NG	1.83
11	96	165	4:41	1	0.458	A BB	75629.	1054.390	NG	1.68
12	63	253	7:10	1	0.703	A BB	117793.	953.067	NG	1.52
13	96	218	6:11	1	0.606	A BB	82455.	1029.200	NG	1.64
14	83	340	9:38	1	0.944	A BB	191444.	1093.340	NG	1.74
15	62	463	13:07	1	1.286	A BB	137976.	1133.860	NG	1.81
16	43	304	8:37	1	0.844	A BB	62746.	1522.890	NG	2.43
17	97	398	11:17	2	0.788	A BB	107587.	1128.570	NG	1.80
18	117	437	12:23	2	0.865	A BB	151159.	1223.350	NG	1.95
19	43	257	7:17	2	0.509	A BB	215923.	1407.720	NG	2.25
20	83	575	16:18	2	1.139	A BB	242784.	1392.590	NG	2.22
21	63	554	15:42	2	1.097	A BB	91662.	1102.610	NG	1.76
22	75	623	17:39	2	1.234	A BB	238983.	1630.100	NG	2.60
23	130	535	15:10	2	1.059	A BB	129753.	1016.650	NG	1.62
24	129	706	20:00	2	1.398	A VB	260352.	1301.560	NG	2.08
25	97	672	19:03	2	1.331	A BB	150751.	1519.640	NG	2.43
26	78	462	13:06	2	0.915	A BB	187078.	1005.520	NG	1.60
27	75	661	18:44	2	1.309	A BB	195503.	1464.150	NG	2.34
28	173	812	23:01	2	1.608	A BB	305207.	1388.170	NG	2.22
29	43	612	17:21	3	0.818	A BB	220944.	1488.630	NG	2.38
30	43	677	19:11	3	0.905	A BV	160799.	1922.520	NG	3.07
31	164	692	19:37	3	0.925	A BB	217426.	1368.120	NG	2.18
32	83	825	23:23	3	1.103	A BB	296065.	1225.290	NG	1.96
33	91	646	18:18	3	0.864	A BB	403808.	1415.030	NG	2.26
34	112	751	21:17	3	1.004	A BB	306000.	1109.390	NG	1.77
35	106	756	21:25	3	1.011	A BV	125679.	1061.740	NG	1.69
36	104	792	22:27	3	1.059	A BB	270877.	1014.300	NG	1.62
37	106	761	21:34	3	1.017	A VB	320734.	2023.560	NG	3.23
38	98	640	18:08	3	0.856	A BB	379894.	1446.900	NG	2.31
39	95	829	23:30	3	1.108	A BB	293178.	1320.970	NG	2.11
40	65	450	12:45	1	1.250	A BV	113623.	1125.350	NG	1.80
41	63	608	17:14	2	1.204	A BB	3203.	1168.870	NG	1.87
42	106	790	22:23	3	1.056	A BB	161514.	1026.970	NG	1.64
43	146	898	25:27	3	1.201	A BV	432604.	1163.790	NG	1.86
44	146	905	25:39	3	1.210	A VB	463261.	1201.590	NG	1.92
45	146	927	26:16	3	1.239	A BB	414106.	1194.810	NG	1.91
46	56	150	4:15	1	0.417	A BB	13477.	2000.290	NG	3.19
47	53	203	5:45	1	0.564	A BB	41074.	2160.140	NG	3.45
48	101	135	3:50	1	0.375	A BB	231208.	1457.410	NG	2.33
49	85	91	2:35	1	0.253	A BB	121148.	1173.870	NG	1.87
50	96	319	9:02	1	0.886	A BB	84030.	982.836	NG	1.57

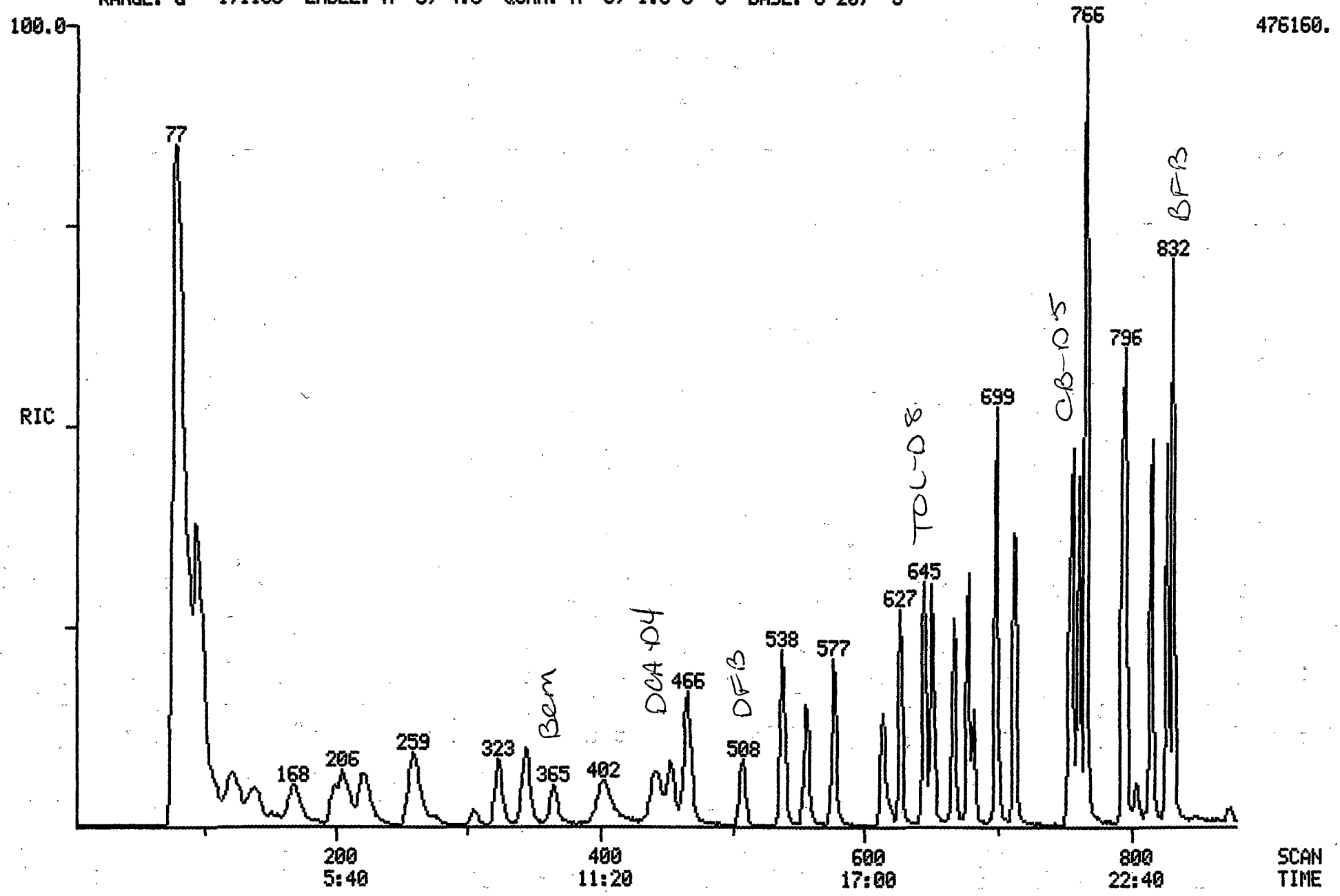
| | | |

MIDRIC
04/29/92 15:33:00
SAMPLE: VSTD100, 500NG VOL STD, 5ML
CONDS.: ~~FINN50-1~~ INCOS50-1 5/20/92 JRL
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOI3292 #1
CALI: VOI3292 #3

SCANS 1 TO 880

000160



Quantitation Report File: VOI3292

Data: VOI3292.TI
04/29/92 15:33:00
Sample: VSTD100, 500NG VOL STD, 5ML
Conds.: ~~FINN50-1~~ INCOS 50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS 5/20/92 Analyst: JP Acct. No.: 68D10085

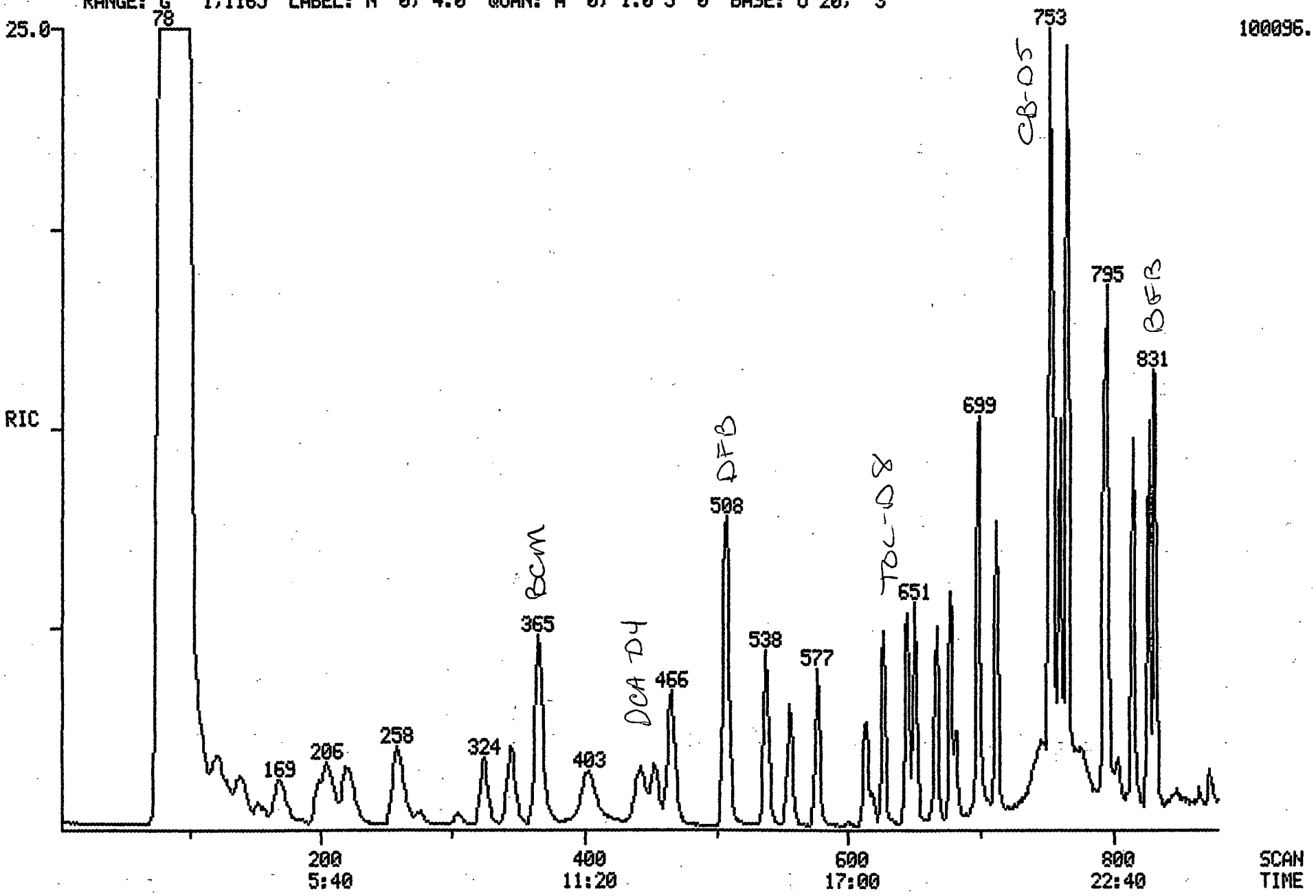
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	365	10:21	1	1.000	A BB	22025.	250.000	NG	0.94
2	114	508	14:24	2	1.000	A BB	83741.	250.000	NG	0.94
3	117	753	21:20	3	1.000	A BB	88569.	250.000	NG	0.94
4	50	102	2:53	1	0.279	A BB	51358.	575.821	NG	2.17
5	94	122	3:27	1	0.334	A BB	60584.	593.458	NG	2.24
6	62	106	3:00	1	0.290	A BB	60704.	629.743	NG	2.38
7	64	119	3:22	1	0.326	A VB	33789.	627.617	NG	2.37
8	84	200	5:40	1	0.548	A BB	44190.	449.893	NG	1.70
9	43	157	4:27	1	0.430	A BB	16324.	435.615	NG	1.64
10	76	209	5:55	1	0.573	A BB	102565.	462.286	NG	1.74
11	96	168	4:46	1	0.460	A BB	41376.	407.519	NG	1.54
12	63	257	7:17	1	0.704	A BB	75382.	430.881	NG	1.63
13	96	221	6:16	1	0.605	A BB	48589.	428.454	NG	1.62
14	83	344	9:45	1	0.942	A BB	112090.	452.239	NG	1.71
15	62	466	13:12	1	1.277	A BB	78164.	453.780	NG	1.71
16	43	305	8:39	1	0.836	A BB	35538.	609.345	NG	2.30
17	97	402	11:24	2	0.791	A BB	69648.	536.261	NG	2.02
18	117	442	12:32	2	0.870	A BB	86053.	511.178	NG	1.93
19	43	260	7:22	2	0.512	A BB	125714.	601.581	NG	2.27
20	83	577	16:21	2	1.136	A BB	123106.	518.294	NG	1.96
21	63	556	15:45	2	1.094	A BB	55711.	491.887	NG	1.86
22	75	627	17:46	2	1.234	A BB	112371.	562.591	NG	2.12
23	130	538	15:15	2	1.059	A BB	85757.	493.198	NG	1.86
24	129	712	20:11	2	1.402	A VB	151420.	555.623	NG	2.10
25	97	678	19:13	2	1.335	A BB	72045.	533.058	NG	2.01
26	78	466	13:12	2	0.917	A BB	124808.	492.381	NG	1.86
27	75	667	18:54	2	1.313	A BB	91170.	501.157	NG	1.89
28	173	816	23:07	2	1.606	A BV	170619.	569.598	NG	2.15
29	43	614	17:24	3	0.815	A BB	105933.	572.456	NG	2.16
30	43	682	19:20	3	0.906	A BB	71321.	683.931	NG	2.58
31	164	699	19:49	3	0.928	A BB	100964.	509.550	NG	1.92
32	83	827	23:26	3	1.098	A BB	172305.	571.948	NG	2.16
33	91	651	18:27	3	0.865	A BB	180027.	505.983	NG	1.91
34	112	756	21:25	3	1.004	A BB	180531.	524.956	NG	1.98
35	106	760	21:32	3	1.009	A BV	78614.	532.674	NG	2.01
36	104	796	22:33	3	1.057	A BB	176222.	529.249	NG	2.00
37	106	766	21:42	3	1.017	A VB	198956.	1006.770	NG	3.80
38	98	645	18:17	3	0.857	A BB	172121.	525.797	NG	1.98
39	95	832	23:35	3	1.105	A VB	144269.	521.367	NG	1.97
40	65	453	12:50	1	1.241	A BV	65604.	459.025	NG	1.73
41	63	611	17:19	2	1.203	A BB	1848.	495.132	NG	1.87
42	106	794	22:30	3	1.054	A BB	103044.	525.506	NG	1.98
43	146	900	25:30	3	1.195	A BV	250312.	540.098	NG	2.04
44	146	906	25:40	3	1.203	A VB	278396.	579.163	NG	2.18
45	146	928	26:18	3	1.232	A BB	234276.	542.154	NG	2.05
46	56	152	4:18	1	0.416	A BB	7939.	832.487	NG	3.14
47	53	206	5:50	1	0.564	A BB	25423.	944.553	NG	3.56
48	101	138	3:55	1	0.378	A BB	105053.	467.814	NG	1.76
49	96	323	9:09	1	0.885	A BB	54903.	453.655	NG	1.71
50	85	93	2:38	1	0.255	A BB	67542.	462.341	NG	1.74

MIDRIC DATA: VOI3293 #1 SCANS 1 TO 880
04/29/92 16:12:00 CALI: VOI3293 #3
SAMPLE: VSTD020, 100NG VOL STD, 5ML
CONDS.: ~~FINN50-1~~ FNCOS50-1 5/20/92 JVL
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



000163

Quantitation Report File: VOI3293

Data: VOI3293.TI
04/29/92 16:12:00
Sample: VSTD020, 100NG VOL STD, 5ML
Conds.: ~~FINN50-1~~ INCOS 50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS 5/20/92 Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

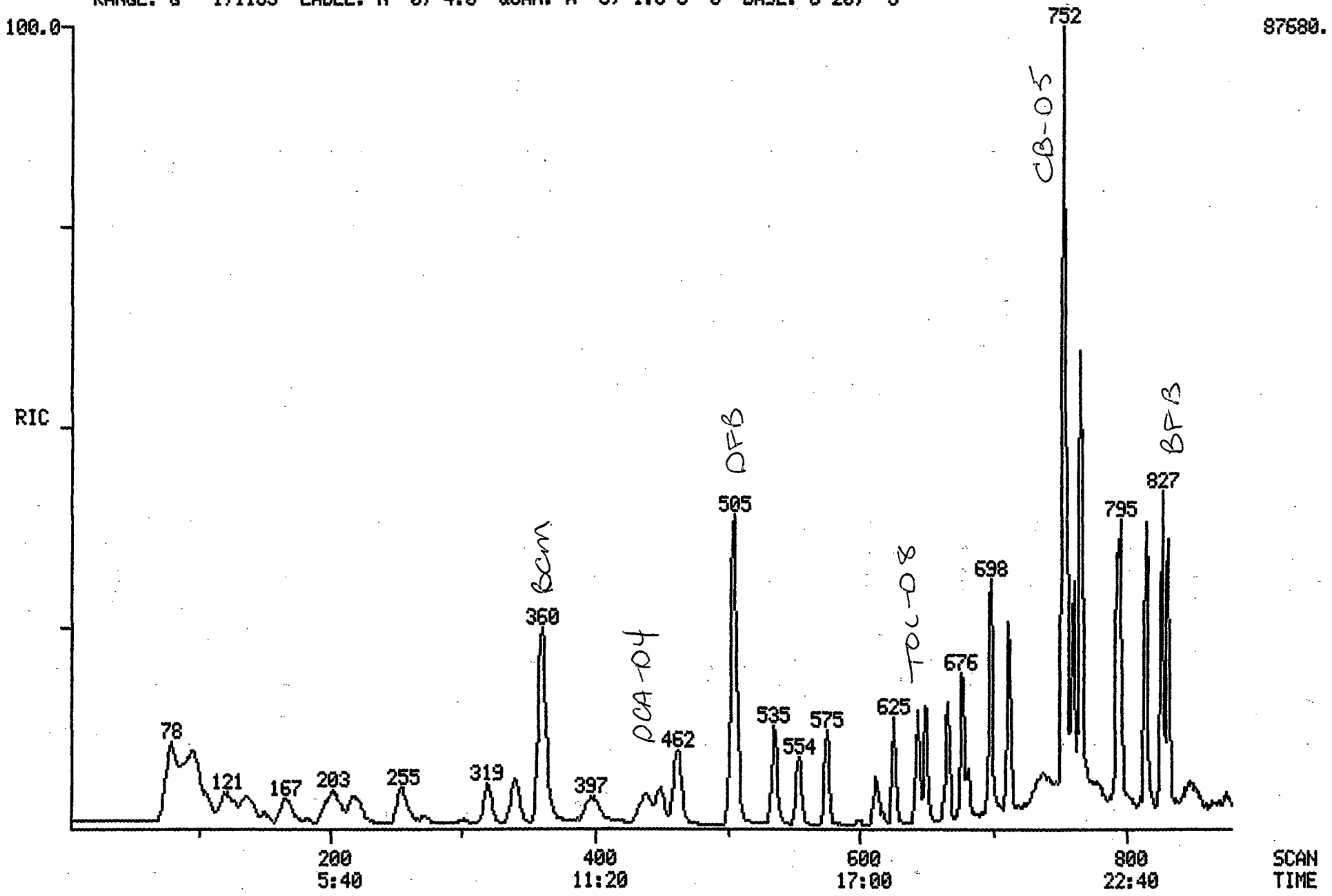
No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	365	10:21	1	1.000	A BB	20511.	250.000	NG	3.92
2	114	508	14:24	2	1.000	A BB	82315.	250.000	NG	3.92
3	117	753	21:20	3	1.000	A BB	84584.	250.000	NG	3.92
4	50	103	2:55	1	0.282	A BB	12451.	149.913	NG	2.35
5	94	123	3:29	1	0.337	A BB	11436.	120.291	NG	1.89
6	62	107	3:02	1	0.293	A BB	12426.	138.425	NG	2.17
7	64	120	3:24	1	0.329	A VB	6427.	128.200	NG	2.01
8	84	200	5:40	1	0.548	A BB	10769.	117.732	NG	1.85
9	43	157	4:27	1	0.430	A BB	3857.	110.523	NG	1.73
10	76	209	5:55	1	0.573	A BB	21860.	105.804	NG	1.66
11	96	169	4:47	1	0.463	A BB	10821.	114.447	NG	1.80
12	63	257	7:17	1	0.704	A BB	17052.	104.665	NG	1.64
13	96	220	6:14	1	0.603	A BB	12114.	114.708	NG	1.80
14	83	344	9:45	1	0.942	A BB	22315.	96.680	NG	1.52
15	62	466	13:12	1	1.277	A BB	16121.	100.504	NG	1.58
16	43	305	8:39	1	0.836	A BB	5058.	93.139	NG	1.46
17	97	402	11:24	2	0.791	A BB	16885.	132.262	NG	2.08
18	117	442	12:32	2	0.870	A BB	18968.	114.627	NG	1.80
19	43	260	7:22	2	0.512	A BV	23074.	112.331	NG	1.76
20	83	577	16:21	2	1.136	A BB	24894.	106.623	NG	1.67
21	63	556	15:45	2	1.094	A BB	11594.	104.140	NG	1.63
22	75	627	17:46	2	1.234	A BB	21598.	110.005	NG	1.73
23	130	538	15:15	2	1.059	A BB	18240.	106.717	NG	1.68
24	129	712	20:11	2	1.402	A VB	28507.	106.415	NG	1.67
25	97	677	19:11	2	1.333	A BB	14383.	108.263	NG	1.70
26	78	466	13:12	2	0.917	A BB	25894.	103.925	NG	1.63
27	75	667	18:54	2	1.313	A BV	17633.	98.608	NG	1.55
28	173	815	23:06	2	1.604	A BV	32711.	111.095	NG	1.74
29	43	614	17:24	3	0.815	A BB	20641.	116.798	NG	1.83
30	43	682	19:20	3	0.906	A BB	11295.	113.415	NG	1.78
31	164	698	19:47	3	0.927	A BB	20998.	110.966	NG	1.74
32	83	827	23:26	3	1.098	A BB	32294.	112.247	NG	1.76
33	91	651	18:27	3	0.865	A BB	36413.	107.164	NG	1.68
34	112	755	21:24	3	1.003	A BV	35738.	108.816	NG	1.71
35	106	760	21:32	3	1.009	A BV	14985.	106.323	NG	1.67
36	104	795	22:32	3	1.056	A BB	34710.	109.156	NG	1.71
37	106	765	21:41	3	1.016	A VB	40593.	215.093	NG	3.38
38	98	645	18:17	3	0.857	A BB	31905.	102.055	NG	1.60
39	95	832	23:35	3	1.105	A BB	32163.	121.708	NG	1.91
40	65	454	12:52	1	1.244	A BV	13394.	100.634	NG	1.58
41	63	611	17:19	2	1.203	A BB	431.	117.446	NG	1.84
42	106	793	22:28	3	1.053	A BB	20152.	107.616	NG	1.69
43	146	899	25:29	3	1.194	A BV	49398.	111.609	NG	1.75
44	146	906	25:40	3	1.203	A VB	54135.	117.926	NG	1.85
45	146	928	26:18	3	1.232	A BB	46815.	113.442	NG	1.78
46	56	153	4:20	1	0.419	A BB	2943.	331.427	NG	5.20
47	53	205	5:49	1	0.562	A BB	5912.	235.870	NG	3.70
48	101	139	3:56	1	0.381	A BB	23534.	112.540	NG	1.77
49	96	323	9:09	1	0.885	A BB	11811.	104.798	NG	1.65
50	NOT FOUND									

MIDRIC DATA: VOI3294 #1 SCANS 1 TO 880
04/29/92 16:53:00 CALI: VOI3294 #3
SAMPLE: VSTD010, 50NG VOL STD, 5ML
CONDS.: ~~FINN50-1~~ INCOS50-1 5/20/92 gl
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

000166



Quantitation Report File: VOI3294

Data: VOI3294.TI
04/29/92 16:53:00
Sample: VSTD010, 50NG VOL STD, 5ML
Conds.: ~~FINN50-1~~ FINCOS 50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS 5/20/92 Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	360	10:12	1	1.000	A BB	19621.	250.000	NG	6.56
2	114	505	14:19	2	1.000	A BB	73157.	250.000	NG	6.56
3	117	752	21:19	3	1.000	A BB	75197.	250.000	NG	6.56
4	50	101	2:52	1	0.281	A VB	4605.	57.958	NG	1.52
5	94	121	3:26	1	0.336	A BB	5733.	63.041	NG	1.65
6	62	105	2:59	1	0.292	A BB	5724.	66.658	NG	1.75
7	64	119	3:22	1	0.331	A VB	3254.	67.841	NG	1.78
8	84	198	5:37	1	0.550	A BB	5493.	62.777	NG	1.65
9	43	155	4:24	1	0.431	A BV	1834.	54.938	NG	1.44
10	76	207	5:52	1	0.575	A BB	10341.	52.321	NG	1.37
11	96	167	4:44	1	0.464	A BB	5694.	62.957	NG	1.65
12	63	253	7:10	1	0.703	A BB	8033.	51.547	NG	1.35
13	96	219	6:12	1	0.608	A BB	6065.	60.035	NG	1.58
14	83	340	9:38	1	0.944	A BB	12725.	57.635	NG	1.51
15	62	462	13:06	1	1.283	A BB	8324.	54.251	NG	1.42
16	43	301	8:32	1	0.836	A BB	2592.	49.890	NG	1.31
17	97	398	11:17	2	0.788	A BB	7955.	70.111	NG	1.84
18	117	437	12:23	2	0.865	A BB	9881.	67.188	NG	1.76
19	43	256	7:15	2	0.507	A BB	5934.	32.505	NG	0.85
20	83	575	16:18	2	1.139	A BB	12769.	61.537	NG	1.62
21	63	554	15:42	2	1.097	A BB	5672.	57.325	NG	1.50
22	75	625	17:43	2	1.238	A BB	10611.	60.810	NG	1.60
23	130	535	15:10	2	1.059	A BB	8840.	58.195	NG	1.53
24	129	711	20:09	2	1.408	A BB	16657.	69.964	NG	1.84
25	97	676	19:09	2	1.339	A BB	8066.	68.315	NG	1.79
26	78	461	13:04	2	0.913	A BB	12654.	57.144	NG	1.50
27	75	666	18:52	2	1.319	A BV	9228.	58.065	NG	1.52
28	173	815	23:06	2	1.614	A BV	22466.	85.852	NG	2.25
29	43	612	17:21	3	0.814	A BV	8912.	56.724	NG	1.49
30	43	681	19:18	3	0.906	A BB	4934.	55.734	NG	1.46
31	164	698	19:47	3	0.928	A BB	9944.	59.110	NG	1.55
32	83	827	23:26	3	1.100	A BB	22104.	86.420	NG	2.27
33	91	649	18:23	3	0.863	A BB	17319.	57.333	NG	1.50
34	112	755	21:24	3	1.004	A BB	19086.	65.369	NG	1.72
35	106	760	21:32	3	1.011	A BV	7861.	62.734	NG	1.65
36	104	795	22:32	3	1.057	A BB	19211.	67.958	NG	1.78
37	106	765	21:41	3	1.017	A VB	20668.	123.187	NG	3.23
38	98	643	18:13	3	0.855	A BB	15229.	54.795	NG	1.44
39	95	832	23:35	3	1.106	A VB	12845.	54.673	NG	1.43
40	65	449	12:43	1	1.247	A BV	6758.	53.083	NG	1.39
41	63	610	17:17	2	1.208	A BB	131.	40.166	NG	1.05
42	106	793	22:28	3	1.055	A BB	11025.	66.224	NG	1.74
43	146	900	25:30	3	1.197	A BV	32423.	82.401	NG	2.16
44	146	906	25:40	3	1.205	A VB	35699.	87.474	NG	2.30
45	146	929	26:20	3	1.235	A BB	34020.	92.727	NG	2.43
46	56	150	4:15	1	0.417	A BB	739.	86.984	NG	2.28
47	53	202	5:43	1	0.561	A BB	2142.	89.358	NG	2.35
48	101	137	3:53	1	0.381	A BB	14295.	71.462	NG	1.88
49	96	319	9:02	1	0.886	A BB	5939.	55.092	NG	1.45
50	85	89	2:31	1	0.247	A BB	8262.	63.489	NG	1.67

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:INCOS50-2 Calibration Date: 5/01/92 Time:2042

Lab File ID:VOL2520 Init. Calib. Date(s): 4/20/92 4/20/92

Heated Purge: (Y/N) N Init. Calib. Times: 0754 1048

GC Column:DB624 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.862	0.845		2.0	
Bromomethane	2.824	2.338	0.100	17.2	25.0
Vinyl Chloride	1.449	1.164	0.100	19.7	25.0
Chloroethane	1.768	1.386		21.6	
Methylene Chloride	1.218	1.307		7.3	
Acetone	0.382	0.308		19.4	
Carbon Disulfide	3.743	3.864		3.2	
1,1-Dichloroethene	1.657	1.445	0.100	12.8	25.0
1,1-Dichloroethane	2.567	2.805	0.200	9.3	25.0
1,2-Dichloroethene (total)	1.322	1.308		1.1	
Chloroform	3.313	3.685	0.200	11.2	25.0
1,2-Dichloroethane	2.363	2.975	0.100	25.9	25.0
2-Butanone	0.558	0.441		21.0	
1,1,1-Trichloroethane	0.834	1.013	0.100	21.5	25.0
Carbon Tetrachloride	0.837	1.020	0.100	21.9	25.0
Bromodichloromethane	0.793	0.943	0.200	18.9	25.0
1,2-Dichloropropane	0.391	0.440		12.5	
cis-1,3-Dichloropropene	0.605	0.694	0.200	14.7	25.0
Trichloroethene	0.473	0.491	0.300	3.8	25.0
Dibromochloromethane	0.912	0.994	0.100	9.0	25.0
1,1,2-Trichloroethane	0.415	0.452	0.100	8.9	25.0
Benzene	1.086	1.160	0.500	6.8	25.0
trans-1,3-Dichloropropene	0.555	0.682	0.100	22.9	25.0
Bromoform	0.806	0.910	0.100	12.9	25.0
4-Methyl-2-Pentanone	0.434	0.389		10.4	
2-Hexanone	0.313	0.239		23.6	
Tetrachloroethene	0.526	0.547	0.200	4.0	25.0
1,1,2,2-Tetrachloroethane	0.833	0.824	0.500	1.1	25.0
Toluene	1.069	1.102	0.400	3.1	25.0
Chlorobenzene	1.019	1.005	0.500	1.4	25.0
Ethylbenzene	0.431	0.427	0.100	0.9	25.0
Styrene	1.055	1.038	0.300	1.6	25.0
Xylene (total)	0.603	0.593	0.300	1.7	25.0
Toluene-d8	1.059	1.002		5.4	
Bromofluorobenzene	1.011	1.029	0.200	1.8	25.0
1,2-Dichloroethane-d4	2.203	2.528		14.8	

000169

All other compounds must meet a minimum RRF of 0.010

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:INCOS50-1 Calibration Date: 5/01/92 Time:0832

Lab File ID:VOI3321 Init. Calib. Date(s): 4/29/92 4/29/92

Heated Purge: (Y/N) Y Init. Calib. Times: 1345 1653

GC Column:RTX502.2 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Chloromethane	1.263	1.213		4.0	
Bromomethane	1.461	1.215	0.100	16.8	25.0
Vinyl Chloride	1.418	1.178	0.100	16.9	25.0
Chloroethane	0.810	0.577		28.8	
Methylene Chloride	1.214	1.066		12.2	
Acetone	0.425	0.407		4.2	
Carbon Disulfide	2.606	2.758		5.8	
1,1-Dichloroethene	1.215	1.178	0.100	3.0	25.0
1,1-Dichloroethane	1.943	1.985	0.200	2.2	25.0
1,2-Dichloroethene (total)	1.348	1.242		7.9	
Chloroform	2.879	2.729	0.200	5.2	25.0
1,2-Dichloroethane	2.006	1.894	0.100	5.6	25.0
2-Butanone	0.751	0.606		19.3	
1,1,1-Trichloroethane	0.460	0.454	0.100	1.3	25.0
Carbon Tetrachloride	0.577	0.566	0.100	1.9	25.0
Bromodichloromethane	0.812	0.710	0.200	12.6	25.0
1,2-Dichloropropane	0.357	0.313		12.3	
cis-1,3-Dichloropropene	0.683	0.584	0.200	14.5	25.0
Trichloroethene	0.543	0.520	0.300	4.2	25.0
Dibromochloromethane	0.956	0.916	0.100	4.2	25.0
1,1,2-Trichloroethane	0.487	0.418	0.100	14.2	25.0
Benzene	0.783	0.703	0.500	10.2	25.0
trans-1,3-Dichloropropene	0.617	0.540	0.100	12.5	25.0
Bromoform	1.136	1.047	0.100	7.8	25.0
4-Methyl-2-Pentanone	0.620	0.450		27.4	
2-Hexanone	0.385	0.270		29.9	
Tetrachloroethene	0.635	0.611	0.200	3.8	25.0
1,1,2,2-Tetrachloroethane	1.058	0.867	0.500	18.1	25.0
Toluene	1.134	0.964	0.400	15.0	25.0
Chlorobenzene	1.078	0.923	0.500	14.4	25.0
Ethylbenzene	0.454	0.401	0.100	11.7	25.0
Styrene	1.038	0.915	0.300	11.8	25.0
Xylene (total)	0.606	0.554	0.300	8.6	25.0
Toluene-d8	1.038	0.912		12.1	
Bromofluorobenzene	0.886	0.957	0.200	8.0	25.0
1,2-Dichloroethane-d4	1.658	1.607		3.1	

000170

All other compounds must meet a minimum RRF of 0.010

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Instrument ID:INCOS50-1 Calibration Date: 5/04/92 Time:0840

Lab File ID:VOI3338 Init. Calib. Date(s): 4/29/92 4/29/92

Heated Purge: (Y/N) Y Init. Calib. Times: 1345 1653

GC Column:RTX502.2 ID: 0.53 (mm)

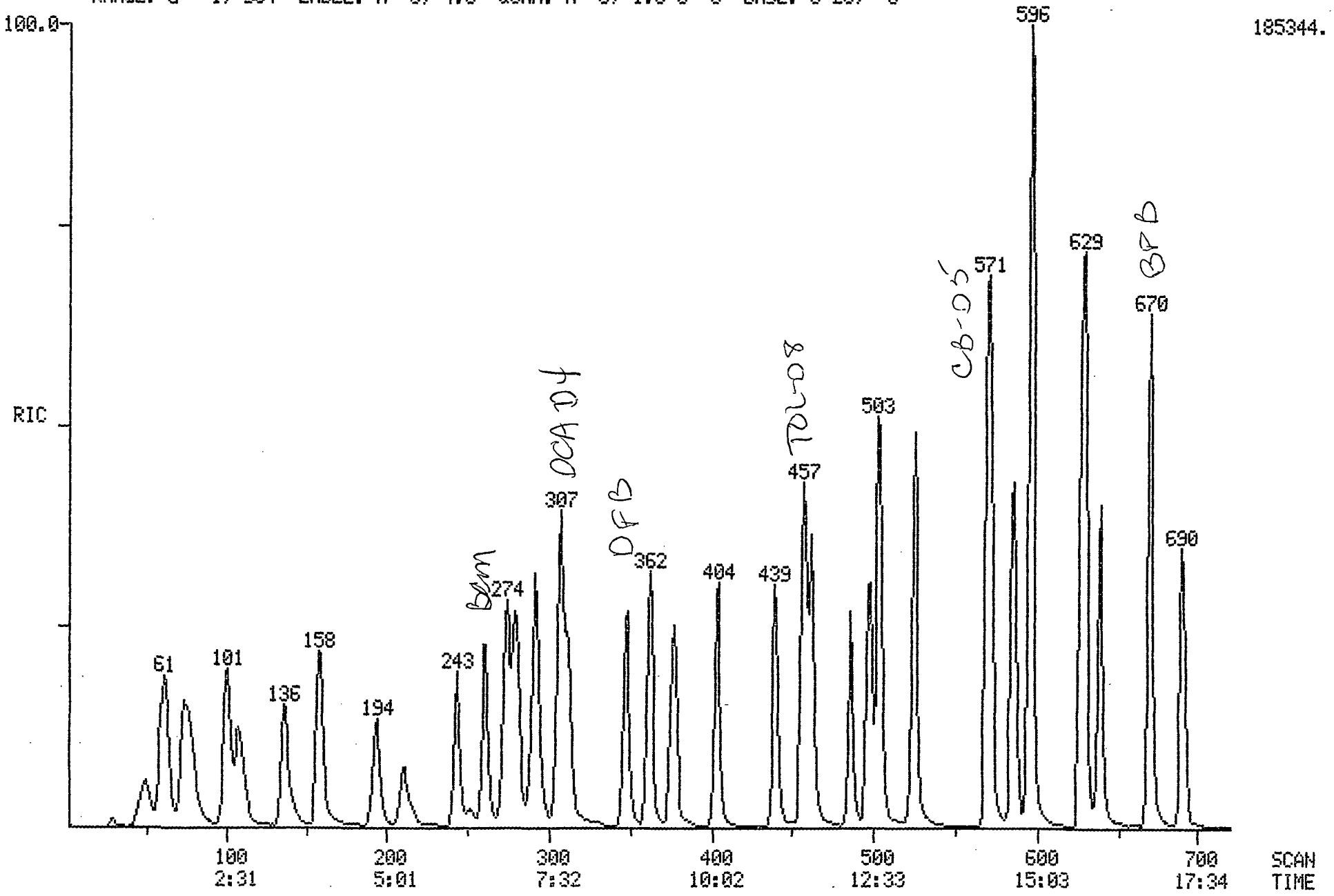
COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Chloromethane	1.263	1.088		13.9	
Bromomethane	1.461	1.089	0.100	25.5	25.0
Vinyl Chloride	1.418	1.069	0.100	24.6	25.0
Chloroethane	0.810	0.531		34.4	
Methylene Chloride	1.214	0.978		19.4	
Acetone	0.425	0.344		19.1	
Carbon Disulfide	2.606	2.387		8.4	
1,1-Dichloroethene	1.215	0.970	0.100	20.2	25.0
1,1-Dichloroethane	1.943	1.798	0.200	7.5	25.0
1,2-Dichloroethene (total)	1.348	1.149		14.8	
Chloroform	2.879	2.459	0.200	14.6	25.0
1,2-Dichloroethane	2.006	1.664	0.100	17.0	25.0
2-Butanone	0.751	0.437		41.8	
1,1,1-Trichloroethane	0.460	0.403	0.100	12.4	25.0
Carbon Tetrachloride	0.577	0.567	0.100	1.7	25.0
Bromodichloromethane	0.812	0.685	0.200	15.6	25.0
1,2-Dichloropropane	0.357	0.293		17.9	
cis-1,3-Dichloropropene	0.683	0.553	0.200	19.0	25.0
Trichloroethene	0.543	0.508	0.300	6.4	25.0
Dibromochloromethane	0.956	0.907	0.100	5.1	25.0
1,1,2-Trichloroethane	0.487	0.401	0.100	17.7	25.0
Benzene	0.783	0.668	0.500	14.7	25.0
trans-1,3-Dichloropropene	0.617	0.508	0.100	17.7	25.0
Bromoform	1.136	1.061	0.100	6.6	25.0
4-Methyl-2-Pentanone	0.620	0.361		41.8	
2-Hexanone	0.385	0.208		46.0	
Tetrachloroethene	0.635	0.580	0.200	8.7	25.0
1,1,2,2-Tetrachloroethane	1.058	0.829	0.500	21.6	25.0
Toluene	1.134	0.892	0.400	21.3	25.0
Chlorobenzene	1.078	0.914	0.500	15.2	25.0
Ethylbenzene	0.454	0.395	0.100	13.0	25.0
Styrene	1.038	0.915	0.300	11.8	25.0
Xylene (total)	0.606	0.543	0.300	10.4	25.0
Toluene-d8	1.038	0.862		17.0	
Bromofluorobenzene	0.886	0.930	0.200	5.0	25.0
1,2-Dichloroethane-d4	1.658	1.405		15.3	

000171

All other compounds must meet a minimum RRF of 0.010

000172

MIDRIC DATA: VOL2520 #1 SCANS 1 TO 720
05/01/92 20:42:00 CALI: CALTAB #3
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-2
RANGE: G 1, 384 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: VOL2520

Data: VOL2520.TI
05/01/92 20:42:00
Sample: VSTD050, 250NG VOL STD, 5ML
Conds.: INCOS50-2
Formula: VOC Instrument: FINN52 Weight: 0.001
Submitted by: WADS Analyst: JP Acct. No.: 68D10008

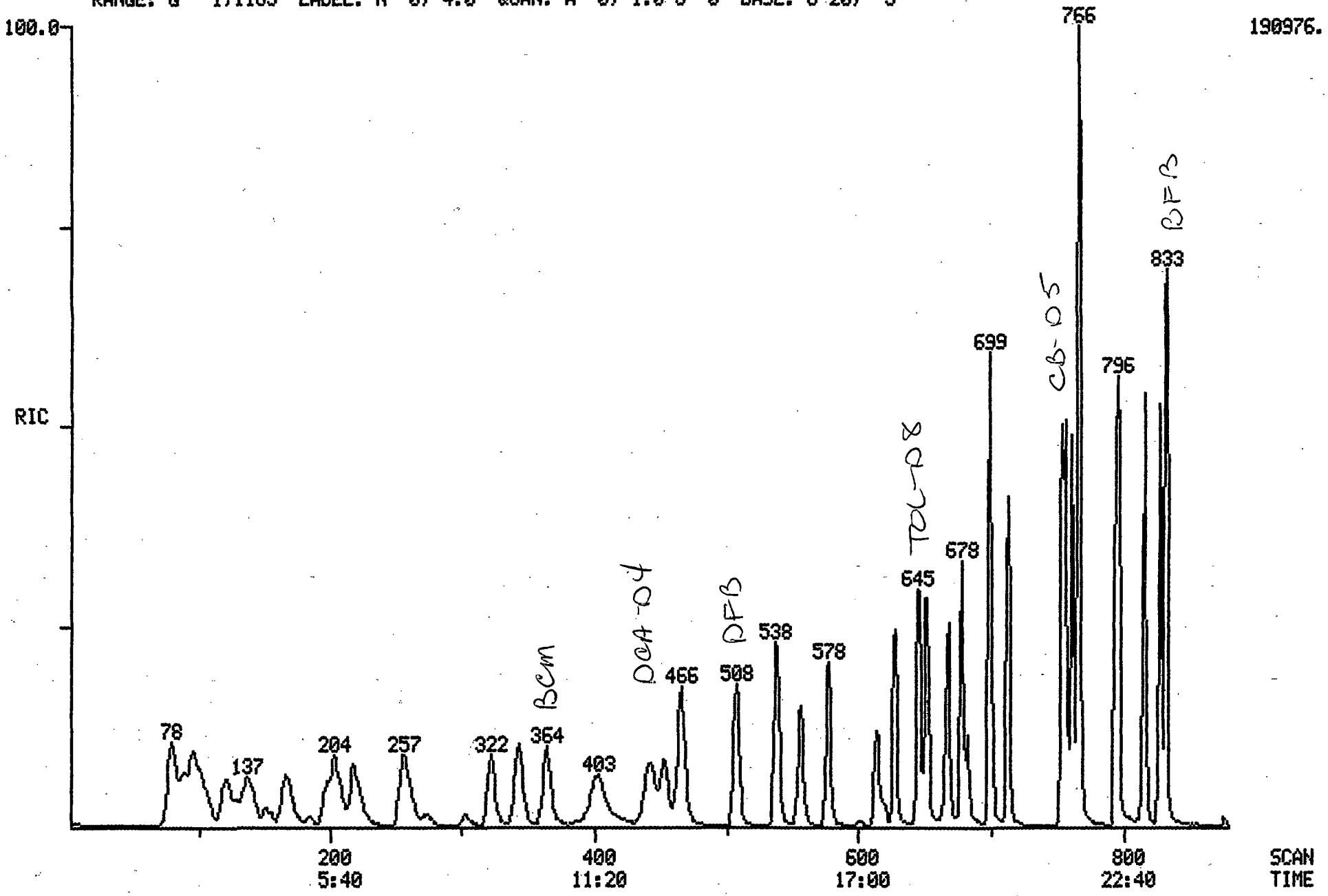
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	DICHLORODIFLUOROMETHANE
50	CIS-1,2-DICHLOROETHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	260	6:32	1	1.000	A BB	21029.	250.000 NG	1.96
2	114	347	8:43	2	1.000	A BB	71589.	250.000 NG	1.96
3	117	569	14:17	3	1.000	A BB	77233.	250.000 NG	1.96
4	50	46	1:09	1	0.177	A BB	17775.	250.000 NG	1.96
5	94	60	1:30	1	0.231	A BB	49168.	250.000 NG	1.96
6	62	50	1:15	1	0.192	A BV	24479.	250.000 NG	1.96
7	64	62	1:33	1	0.238	A VB	29156.	250.000 NG	1.96
8	84	136	3:25	1	0.523	A BB	27481.	250.000 NG	1.96
9	43	109	2:44	1	0.419	A BB	6467.	250.000 NG	1.96
10	76	108	2:43	1	0.415	A BB	81254.	250.000 NG	1.96
11	96	100	2:31	1	0.385	A BB	30391.	250.000 NG	1.96
12	63	194	4:52	1	0.746	A BB	58988.	250.000 NG	1.96
13	96	158	3:58	1	0.608	A BB	27508.	250.000 NG	1.96
14	83	274	6:53	1	1.054	A BB	77490.	250.000 NG	1.96
15	62	312	7:50	1	1.200	A BB	62561.	250.000 NG	1.96
16	43	252	6:19	1	0.969	A BB	9283.	250.000 NG	1.96
17	97	279	7:00	2	0.804	A BB	72543.	250.000 NG	1.96
18	117	292	7:20	2	0.841	A BB	73047.	250.000 NG	1.96
19	43	210	5:16	2	0.605	A BB	55138.	250.000 NG	1.96
20	83	404	10:08	2	1.164	A BB	67530.	250.000 NG	1.96
21	63	377	9:28	2	1.086	A BB	31471.	250.000 NG	1.96
22	75	439	11:01	2	1.265	A BB	52632.	265.000 NG	2.08
23	130	362	9:05	2	1.043	A BB	35185.	250.000 NG	1.96
24	129	525	13:11	2	1.513	A BB	71131.	250.000 NG	1.96
25	97	497	12:28	2	1.432	A BB	32372.	250.000 NG	1.96
26	78	308	7:44	2	0.888	A BB	83079.	250.000 NG	1.96
27	75	486	12:12	2	1.401	A BB	44890.	230.000 NG	1.80
28	173	639	16:02	2	1.841	A BB	65151.	250.000 NG	1.96
29	43	458	11:30	3	0.805	A BB	30051.	250.000 NG	1.96
30	43	525	13:11	3	0.923	A BB	18460.	250.000 NG	1.96
31	164	503	12:37	3	0.884	A BB	42273.	250.000 NG	1.96
32	83	690	17:19	3	1.213	A BB	63659.	250.000 NG	1.96
33	91	462	11:36	3	0.812	A BB	85085.	250.000 NG	1.96
34	112	571	14:20	3	1.004	A BB	77636.	250.000 NG	1.96
35	106	585	14:41	3	1.028	A BV	33016.	250.000 NG	1.96
36	104	629	15:47	3	1.105	A BB	80178.	250.000 NG	1.96
37	106	596	14:57	3	1.047	A VB	97091.	500.000 NG	3.92
38	98	457	11:28	3	0.803	A BB	77387.	250.000 NG	1.96
39	95	670	16:49	3	1.178	A BB	79444.	250.000 NG	1.96
40	65	306	7:41	1	1.177	A BB	53154.	250.000 NG	1.96
41	NOT	FOUND							
42	106	627	15:44	3	1.102	A BB	45820.	250.000 NG	1.96
43	146	761	19:06	3	1.337	A BV	97185.	250.000 NG	1.96
44	146	770	19:19	3	1.353	A VB	103769.	250.000 NG	1.96
45	146	800	20:05	3	1.406	A BB	90512.	250.000 NG	1.96
46	56	97	2:26	1	0.373	A BB	5529.	500.000 NG	3.92
47	53	159	3:59	1	0.612	A BB	10750.	500.000 NG	3.92
48	101	73	1:50	1	0.281	A BB	100245.	250.000 NG	1.96
49	NOT	FOUND							
50	96	243	6:06	1	0.935	A BB	28475.	250.000 NG	1.96

MIDRIC DATA: VOI3321 #880 SCANS 1 TO 880
05/01/92 8:32:00 CALI: VOI3321 #3
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-1
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



000175

Quantitation Report File: VOI3321

Data: VOI3321.TI
05/01/92 8:32:00
Sample: VSTD050, 250NG VOL STD, 5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

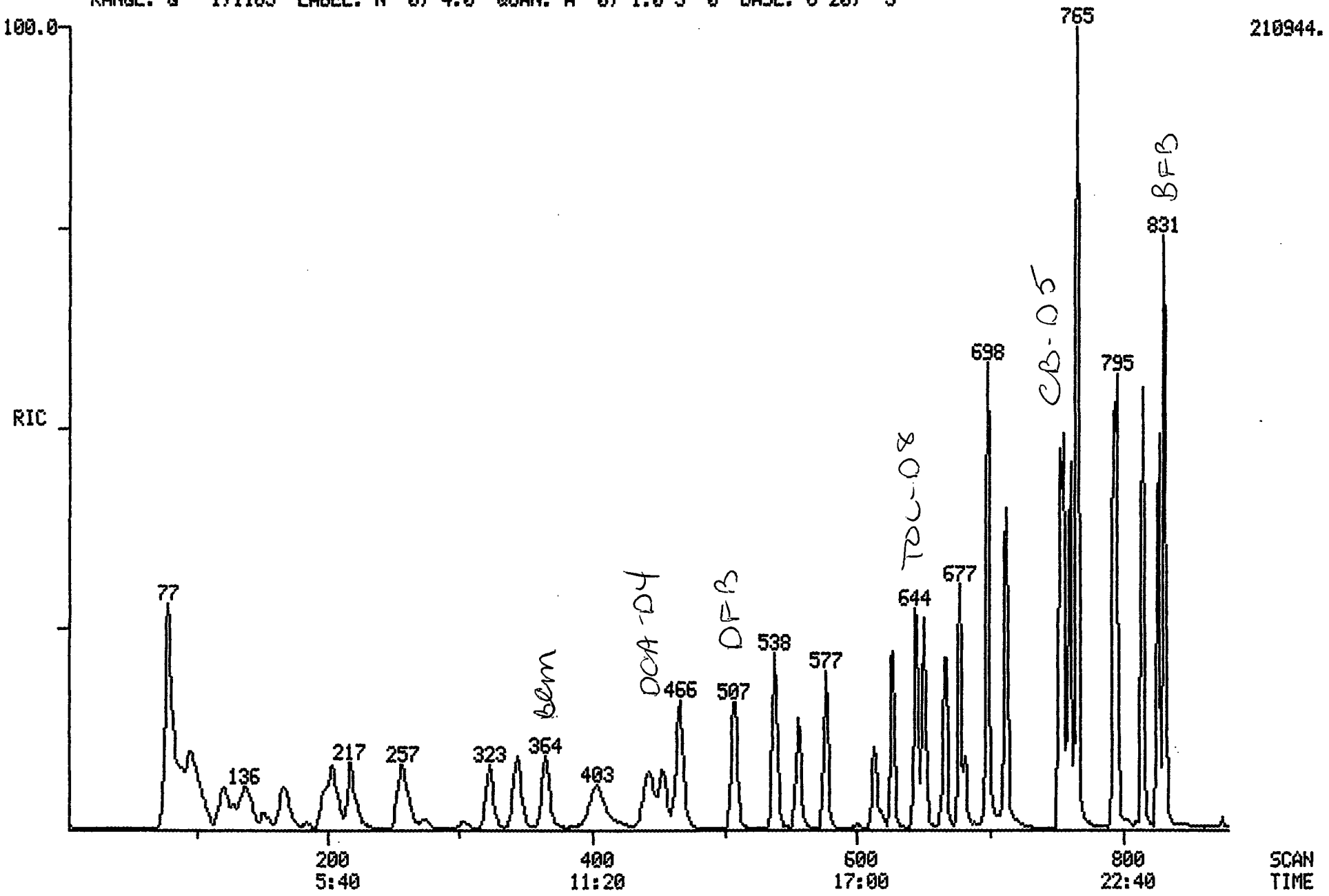
No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	364	10:19	1	1.000	A BB	17514.	250.000	NG	1.88
2	114	508	14:24	2	1.000	A BB	71568.	250.000	NG	1.88
3	117	754	21:22	3	1.000	A BB	77651.	250.000	NG	1.88
4	50	101	2:52	1	0.277	A BB	21252.	250.000	NG	1.88
5	94	122	3:27	1	0.335	A BB	21279.	250.000	NG	1.88
6	62	106	3:00	1	0.291	A BB	20634.	250.000	NG	1.88
7	64	119	3:22	1	0.327	A BB	10104.	250.000	NG	1.88
8	84	199	5:38	1	0.547	A BB	18672.	250.000	NG	1.88
9	43	155	4:24	1	0.426	A BB	7133.	250.000	NG	1.88
10	76	207	5:52	1	0.569	A BB	48302.	250.000	NG	1.88
11	96	167	4:44	1	0.459	A BB	20628.	250.000	NG	1.88
12	63	256	7:15	1	0.703	A BB	34761.	250.000	NG	1.88
13	96	218	6:11	1	0.599	A BB	21761.	250.000	NG	1.88
14	83	343	9:43	1	0.942	A BB	47794.	250.000	NG	1.88
15	62	466	13:12	1	1.280	A BB	33169.	250.000	NG	1.88
16	43	303	8:35	1	0.832	A BB	10612.	250.000	NG	1.88
17	97	403	11:25	2	0.793	A BB	32498.	250.000	NG	1.88
18	117	442	12:32	2	0.870	A BB	40511.	250.000	NG	1.88
19	43	258	7:19	2	0.508	A BB	31929.	250.000	NG	1.88
20	83	578	16:23	2	1.138	A BB	50797.	250.000	NG	1.88
21	63	557	15:47	2	1.096	A BB	22410.	250.000	NG	1.88
22	75	628	17:48	2	1.236	A BB	44302.	265.000	NG	1.99
23	130	538	15:15	2	1.059	A BB	37191.	250.000	NG	1.88
24	129	713	20:12	2	1.404	A VB	65571.	250.000	NG	1.88
25	97	678	19:13	2	1.335	A BB	29928.	250.000	NG	1.88
26	78	466	13:12	2	0.917	A BB	50307.	250.000	NG	1.88
27	75	668	18:56	2	1.315	A BB	35530.	230.000	NG	1.73
28	173	816	23:07	2	1.606	A BV	74928.	250.000	NG	1.88
29	43	614	17:24	3	0.814	A BB	34906.	250.000	NG	1.88
30	43	682	19:20	3	0.905	A BB	20982.	250.000	NG	1.88
31	164	699	19:49	3	0.927	A BB	47420.	250.000	NG	1.88
32	83	828	23:28	3	1.098	A BB	67310.	250.000	NG	1.88
33	91	651	18:27	3	0.863	A BB	74830.	250.000	NG	1.88
34	112	756	21:25	3	1.003	A BB	71696.	250.000	NG	1.88
35	106	761	21:34	3	1.009	A BV	31111.	250.000	NG	1.88
36	104	796	22:33	3	1.056	A BB	71072.	250.000	NG	1.88
37	106	766	21:42	3	1.016	A VB	83172.	500.000	NG	3.76
38	98	645	18:17	3	0.855	A BB	70840.	250.000	NG	1.88
39	95	833	23:36	3	1.105	A BB	74305.	250.000	NG	1.88
40	65	453	12:50	1	1.245	A BV	28140.	250.000	NG	1.88
41	63	612	17:21	2	1.205	A BB	659.	250.000	NG	1.88
42	106	794	22:30	3	1.053	A BB	42983.	250.000	NG	1.88
43	146	900	25:30	3	1.194	A BV	104603.	250.000	NG	1.88
44	146	907	25:42	3	1.203	A VB	108607.	250.000	NG	1.88
45	146	929	26:20	3	1.232	A BB	98849.	250.000	NG	1.88
46	56	151	4:17	1	0.415	A BB	3648.	500.000	NG	3.76
47	53	204	5:47	1	0.560	A BB	11638.	500.000	NG	3.76
48	101	137	3:53	1	0.376	A BB	50902.	250.000	NG	1.88
49	96	322	9:07	1	0.885	A BB	22573.	250.000	NG	1.88
50	85	93	2:38	1	0.255	A BB	32854.	250.000	NG	1.88

MIDRIC
05/04/92 8:40:00
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-1
RANGE: G 1.1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOI3338 #880 SCANS 1 TO 880
CALI: VOI3338 #3

000178



Quantitation Report File: VOI3338

Data: VOI3338.TI
05/04/92 8:40:00
Sample: VSTD050, 250NG VOL STD, 5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	364	10:19	1	1.000	A BB	19741.	250.000 NG	1.88
2	114	508	14:24	2	1.000	A BB	77258.	250.000 NG	1.88
3	117	752	21:19	3	1.000	A BB	85971.	250.000 NG	1.88
4	50	100	2:50	1	0.275	A BB	21482.	250.000 NG	1.88
5	94	120	3:24	1	0.330	A BB	21500.	250.000 NG	1.88
6	62	105	2:59	1	0.288	A BB	21105.	250.000 NG	1.88
7	64	119	3:22	1	0.327	A BB	10491.	250.000 NG	1.88
8	84	198	5:37	1	0.544	A BB	19303.	250.000 NG	1.88
9	43	155	4:24	1	0.426	A BB	6799.	250.000 NG	1.88
10	76	206	5:50	1	0.566	A BB	47112.	250.000 NG	1.88
11	96	166	4:42	1	0.456	A BB	19143.	250.000 NG	1.88
12	63	255	7:14	1	0.701	A BB	35501.	250.000 NG	1.88
13	96	217	6:09	1	0.596	A BB	22691.	250.000 NG	1.88
14	83	344	9:45	1	0.945	A BB	48543.	250.000 NG	1.88
15	62	466	13:12	1	1.280	A BB	32843.	250.000 NG	1.88
16	43	303	8:35	1	0.832	A BB	8636.	250.000 NG	1.88
17	97	403	11:25	2	0.793	A BB	31137.	250.000 NG	1.88
18	117	442	12:32	2	0.870	A BB	43800.	250.000 NG	1.88
19	43	258	7:19	2	0.508	A BV	29631.	250.000 NG	1.88
20	83	577	16:21	2	1.136	A BB	52915.	250.000 NG	1.88
21	63	556	15:45	2	1.094	A BB	22601.	250.000 NG	1.88
22	75	626	17:44	2	1.232	A BB	45261.	265.000 NG	1.99
23	130	538	15:15	2	1.059	A BB	39219.	250.000 NG	1.88
24	129	712	20:11	2	1.402	A VB	70056.	250.000 NG	1.88
25	97	677	19:11	2	1.333	A BB	31008.	250.000 NG	1.88
26	78	466	13:12	2	0.917	A BB	51628.	250.000 NG	1.88
27	75	667	18:54	2	1.313	A BB	36122.	230.000 NG	1.73
28	173	815	23:06	2	1.604	A BV	81973.	250.000 NG	1.88
29	43	613	17:22	3	0.815	A BB	31006.	250.000 NG	1.88
30	43	681	19:18	3	0.906	A BB	17871.	250.000 NG	1.88
31	164	698	19:47	3	0.928	A BB	49882.	250.000 NG	1.88
32	83	827	23:26	3	1.100	A BB	71239.	250.000 NG	1.88
33	91	650	18:25	3	0.864	A BB	76656.	250.000 NG	1.88
34	112	755	21:24	3	1.004	A BB	78605.	250.000 NG	1.88
35	106	760	21:32	3	1.011	A BV	33969.	250.000 NG	1.88
36	104	795	22:32	3	1.057	A BB	78660.	250.000 NG	1.88
37	106	765	21:41	3	1.017	A VB	89204.	500.000 NG	3.76
38	98	644	18:15	3	0.856	A BB	74068.	250.000 NG	1.88
39	95	831	23:33	3	1.105	A BB	79993.	250.000 NG	1.88
40	65	454	12:52	1	1.247	A BV	27737.	250.000 NG	1.88
41	63	611	17:19	2	1.203	A BB	641.	250.000 NG	1.88
42	106	793	22:28	3	1.055	A BB	46683.	250.000 NG	1.88
43	146	899	25:29	3	1.195	A BV	118280.	250.000 NG	1.88
44	146	906	25:40	3	1.205	A VB	121929.	250.000 NG	1.88
45	146	928	26:18	3	1.234	A BB	110945.	250.000 NG	1.88
46	56	151	4:17	1	0.415	A BB	4015.	500.000 NG	3.76
47	53	204	5:47	1	0.560	A BB	11303.	500.000 NG	3.76
48	101	136	3:51	1	0.374	A BB	50640.	250.000 NG	1.88
49	96	322	9:07	1	0.885	A BB	24254.	250.000 NG	1.88
50	85	89	2:31	1	0.245	A BB	32123.	250.000 NG	1.88

[illegible]

VOLATILE RAW QC DATA

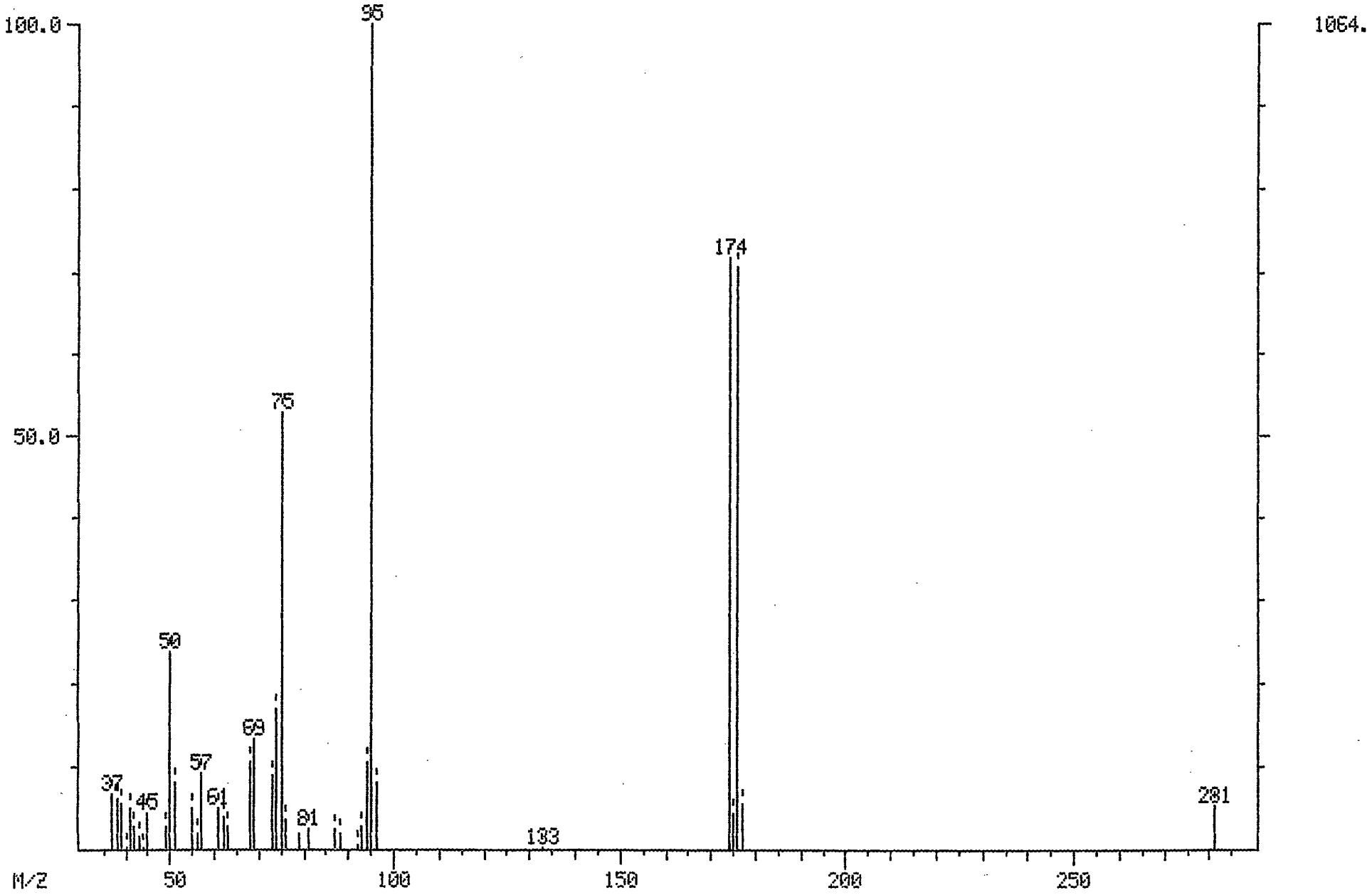
MID MASS SPECTRUM
04/20/92 7:45:00 + 2:31
SAMPLE: 50NG INJECTION OF BFB
CONDS.: ~~FINN52~~ INCOS80-2
GC TEMP: 127 DEG. C
#99 TO #101 AVERAGED - #67 X1.00

5/20/92 JCL

DATA: BFB609L #100
CALI: BFB609L #3

BASE M/Z: 95
RIC: 5224.

000181

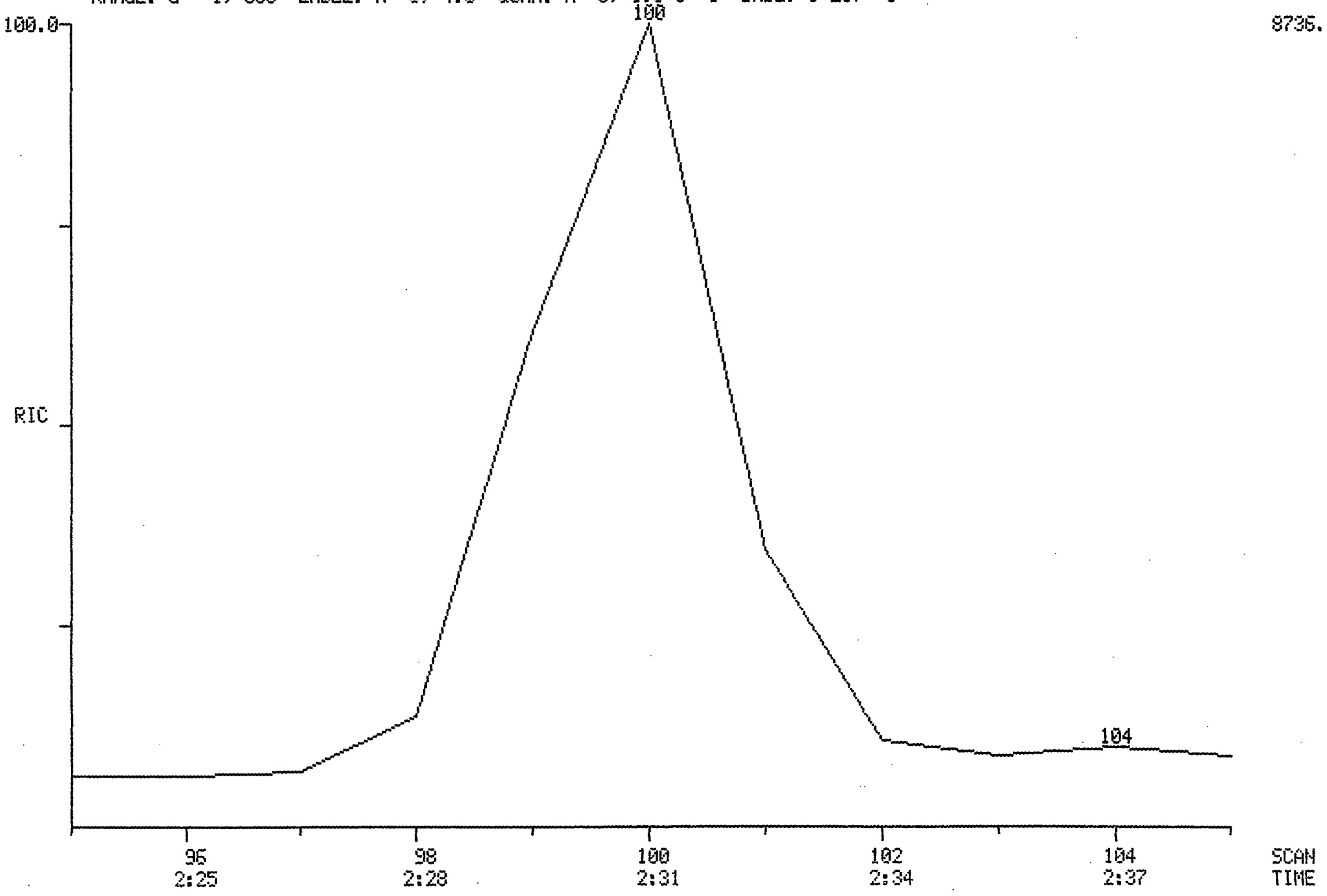


MID Mass List Data: BFB609L # 100 Base m/z: 95
04/20/92 7:45:00 + 2:31 Cali: BFB609L # 3 RIC: 5224.
Sample: 50NG INJECTION OF BFB
Conds.: ~~FINN52~~ INCOS50-2 5/20/92
#99 to #101 Averaged - #67 X1.00

37	0.00	0.00	0.	Minima	Min inten:	0.
281			# 0	Maxima		

Mass		% RA	% RIC	Inten.
37.00?	S	6.77	1.38	72.
38.00?	S	6.20	1.26	66.
39.00?	S	5.64	1.15	60.
40.00?	S	0.38	0.08	4.
41.00?	S	4.89	1.00	52.
42.00?	S	2.73	0.56	29.
43.00?	S	1.69	0.34	18.
44.00?	S	0.38	0.08	4.
45.00?	S	4.42	0.90	47.
49.00?	S	2.73	0.56	29.
50.00?	S	23.87	4.86	254.
51.00?	S	7.99	1.63	85.
55.00?	S	5.08	1.03	54.
56.00?	S	1.97	0.40	21.
57.00?	S	9.02	1.84	96.
61.00?	S	4.98	1.01	53.
62.00?	S	3.76	0.77	40.
63.00?	S	2.82	0.57	30.
68.00?	S	10.62	2.16	113.
69.00	S	13.35	2.72	142.
73.00	S	8.93	1.82	95.
74.00	S	16.73	3.41	178.
75.00	S	52.73	10.74	561.
76.00	S	3.67	0.75	39.
79.00	S	1.88	0.38	20.
81.00	S	2.44	0.50	26.
87.00	S	2.54	0.52	27.
88.00	S	1.88	0.38	20.
92.00	S	0.56	0.11	6.
93.00	S	2.82	0.57	30.
94.00	S	10.43	2.12	111.
95.00	S	100.00	20.37	1064.
96.00	S	7.99	1.63	85.
133.00	S	0.38	0.08	4.
174.00	S	71.80	14.62	764.
175.00	S	4.51	0.92	48.
176.00	S	70.68	14.40	752.
177.00	S	5.55	1.13	59.
281.00	S	5.36	1.09	57.

MIDRIC DATA: BFB609L #1 SCANS 95 TO 105
04/20/92 7:45:00 CALI: BFB609L #3
SAMPLE: 50NG INJECTION OF BFB
CONDS.: ~~FINN52~~ INCOS50-2 5/20/92 JL
RANGE: G 1, 300 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



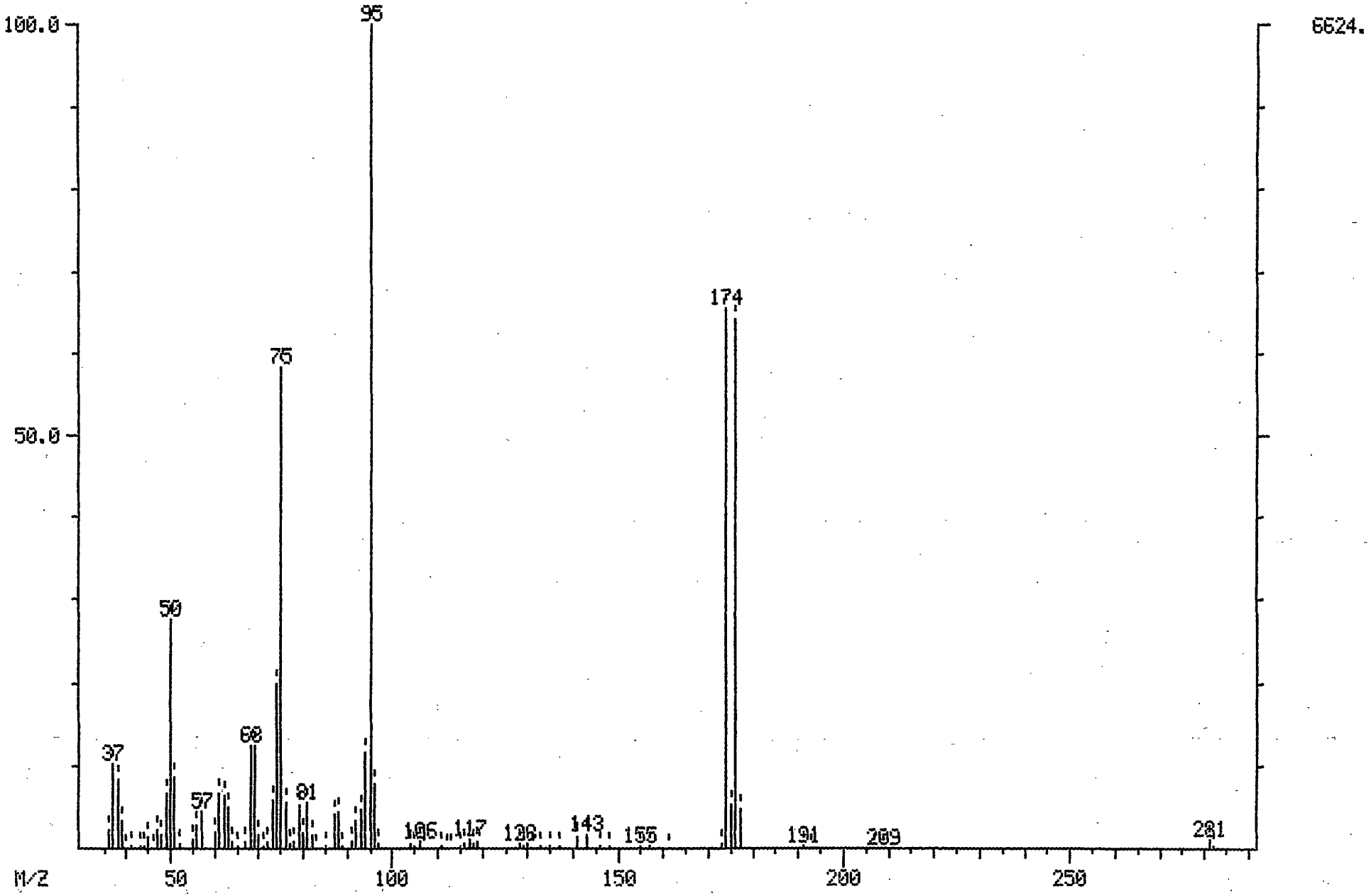
000183

MID MASS SPECTRUM
05/01/92 20:27:00 + 2:55
SAMPLE: 50NG INJECTION OF BFB
CONDS.: INCOS50-2
GC TEMP: 134 DEG. C
#115 TO #117 AVERAGED - #105 X1.00

DATA: BFB620L #116
CALI: BFB620L #3

BASE M/Z: 95
RIC: 34880.

000184

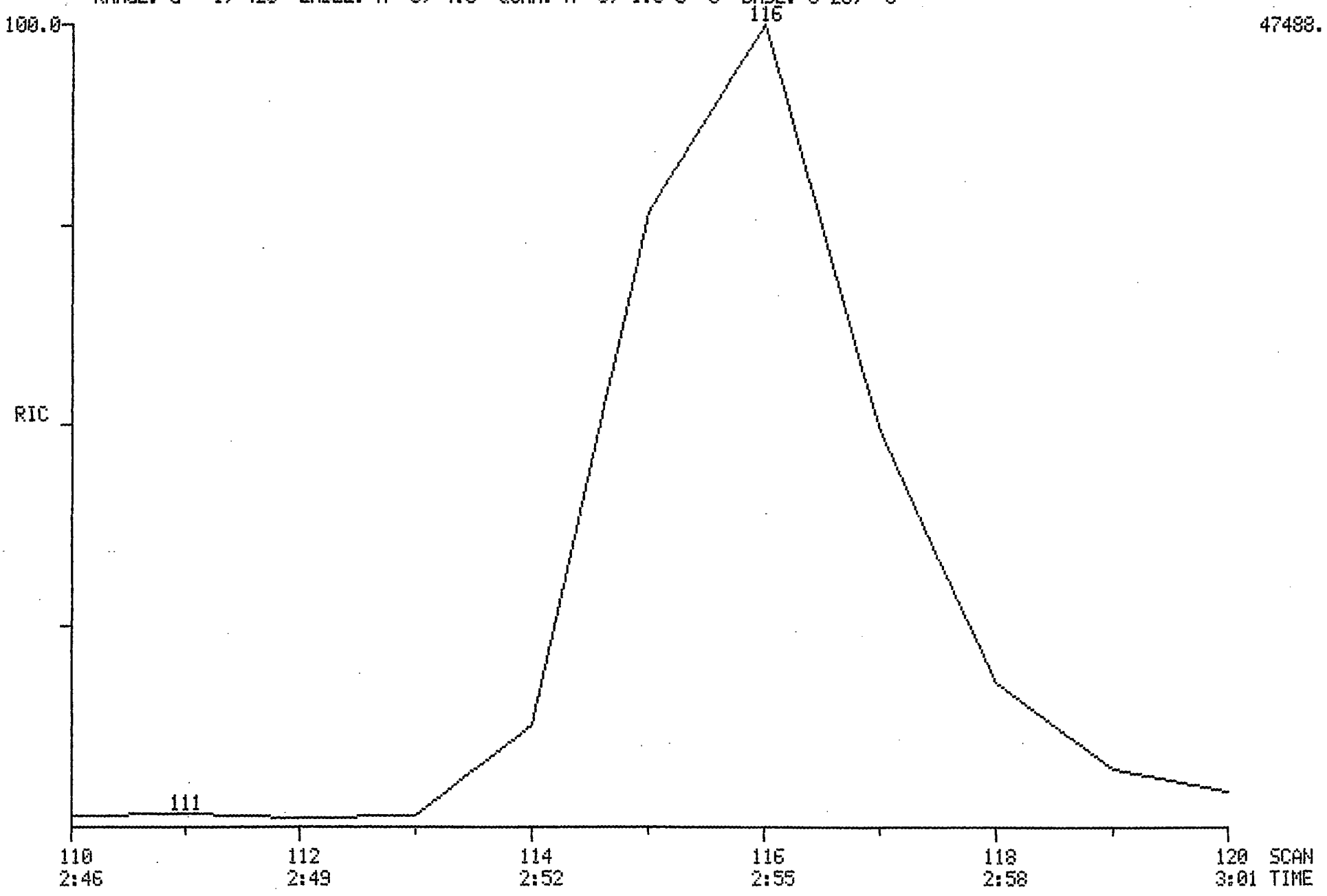


MID Mass List Data: BFB620L # 116 Base m/z: 95
05/01/92 20:27:00 + 2:55 Cali: BFB620L # 3 RIC: 34880.
Sample: 50NG INJECTION OF BFB
Conds.: INCOS50-2
#115 to #117 Averaged - #105 X1.00

36 0.00 0.00 0. Minima Min inten: 0.
282 # 0 Maxima

Mass		% RA	% RIC	Inten.	Mass		% RA	% RIC	Inten.
36.00?	S	2.31	0.44	153.	95.00	S	100.00	18.99	6624.
37.00?	S	10.10	1.92	669.	96.00	S	7.73	1.47	512.
38.00?	S	8.42	1.60	558.	97.00	S	0.47	0.09	31.
39.00?	S	3.44	0.65	228.	104.00	S	0.68	0.13	45.
40.00?	S	0.11	0.02	7.	105.00	S	0.35	0.07	23.
41.00?	S	0.27	0.05	18.	106.00	S	0.80	0.15	53.
43.00?	S	0.39	0.07	26.	107.00	S	0.08	0.01	5.
44.00?	S	0.41	0.08	27.	111.00	S	0.26	0.05	17.
45.00?	S	1.34	0.26	89.	112.00	S	0.08	0.01	5.
46.00?	S	0.11	0.02	7.	113.00	S	0.08	0.01	5.
47.00?	S	2.13	0.40	141.	115.00	S	0.23	0.04	15.
48.00?	S	1.59	0.30	105.	116.00	S	0.50	0.09	33.
49.00?	S	6.69	1.27	443.	117.00	S	0.98	0.19	65.
50.00?	S	27.63	5.25	1830.	118.00	S	0.57	0.11	38.
51.00?	S	8.65	1.64	573.	119.00	S	0.91	0.17	60.
52.00?	S	0.60	0.11	40.	128.00	S	0.48	0.09	32.
55.00?	S	1.10	0.21	73.	129.00	S	0.18	0.03	12.
56.00?	S	2.69	0.51	178.	130.00	S	0.48	0.09	32.
57.00?	S	4.53	0.86	300.	131.00	S	0.08	0.01	5.
60.00?	S	1.83	0.35	121.	133.00	S	0.18	0.03	12.
61.00?	S	6.51	1.24	431.	135.00	S	0.23	0.04	15.
62.00?	S	6.45	1.22	427.	137.00	S	0.29	0.05	19.
63.00?	S	5.09	0.97	337.	141.00	S	1.48	0.28	98.
64.00?	S	0.71	0.13	47.	143.00	S	1.52	0.29	101.
65.00?	S	0.18	0.03	12.	146.00	S	0.17	0.03	11.
67.00?	S	0.74	0.14	49.	148.00	S	0.35	0.07	23.
68.00?	S	12.52	2.38	829.	155.00	S	0.23	0.04	15.
69.00	S	12.33	2.34	817.	157.00	S	0.17	0.03	11.
70.00	S	1.52	0.29	101.	161.00	S	0.08	0.01	5.
71.00	S	0.20	0.04	13.	173.00	S	0.57	0.11	38.
72.00	S	0.97	0.18	64.	174.00	S	65.58	12.45	4344.
73.00	S	5.92	1.12	392.	175.00	S	5.13	0.97	340.
74.00	S	19.90	3.78	1318.	176.00	S	64.01	12.16	4240.
75.00	S	58.27	11.07	3860.	177.00	S	4.71	0.89	312.
76.00	S	5.53	1.05	366.	191.00	S	0.18	0.03	12.
77.00	S	0.60	0.11	40.	193.00	S	0.11	0.02	7.
78.00	S	0.91	0.17	60.	207.00	S	0.03	0.01	2.
79.00	S	5.27	1.00	349.	209.00	S	0.09	0.02	6.
80.00	S	1.93	0.37	128.	281.00	S	1.24	0.24	82.
81.00	S	5.51	1.05	365.	282.00	S	0.20	0.04	13.
82.00	S	1.74	0.33	115.					
83.00	S	0.12	0.02	8.					
85.00	S	0.18	0.03	12.					
87.00	S	4.09	0.78	271.					
88.00	S	4.30	0.82	285.					
89.00	S	0.30	0.06	20.					
91.00	S	0.83	0.16	55.					
92.00	S	3.26	0.62	216.					
93.00	S	4.79	0.91	317.					
94.00	S	11.53	2.19	764.					

MIDRIC DATA: BFB620L #1 SCANS 110 TO 120
05/01/92 20:27:00 CALI: BFB620L #3
SAMPLE: 50NG INJECTION OF BFB
CONDS.: INCOS50-2
RANGE: G 1, 425 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



000186

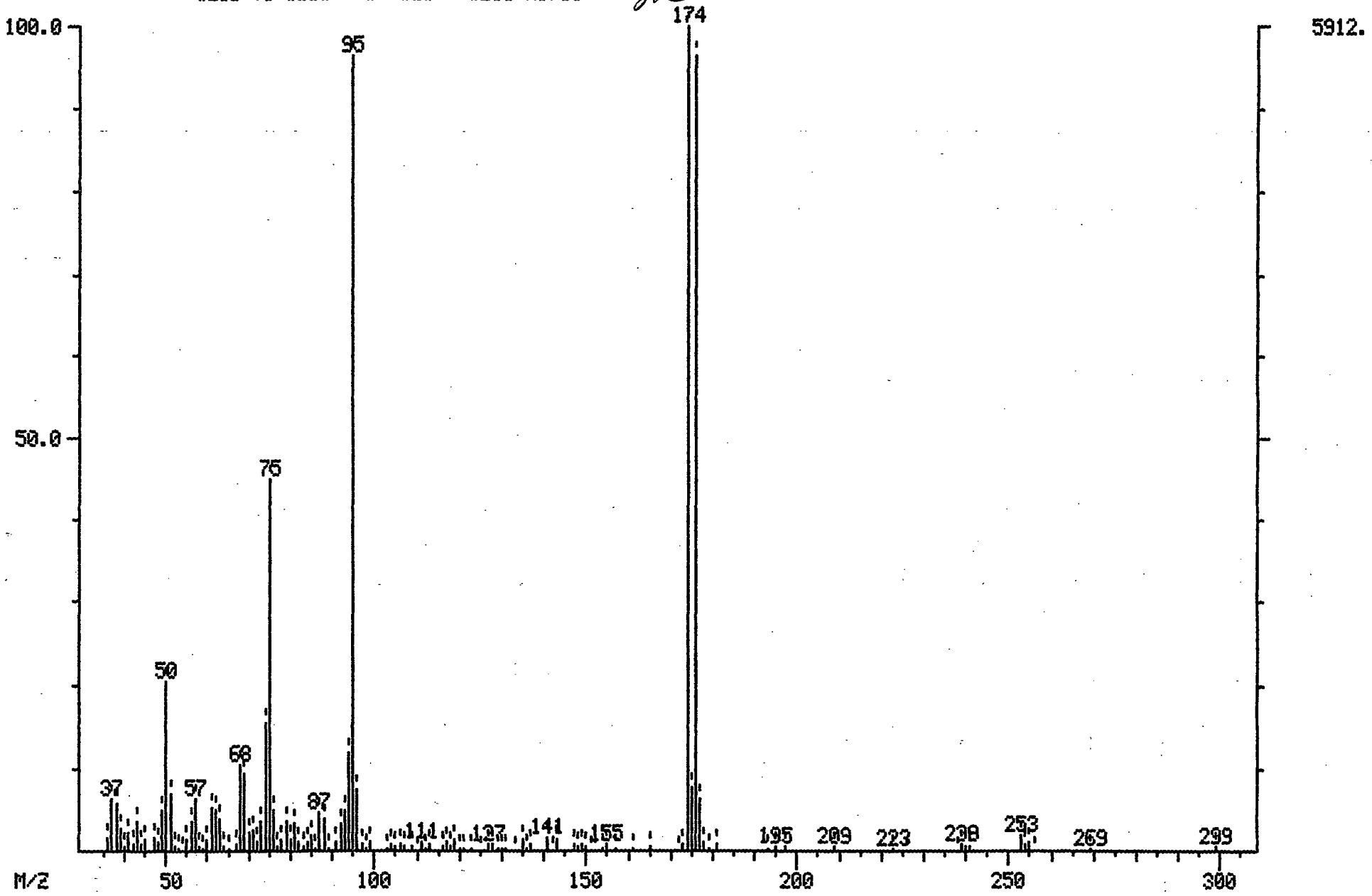
MID MASS SPECTRUM
04/29/92 13:32:00 + 6:14
SAMPLE: 50NG INJECTION OF BFB
CONDS.: ~~FINN50-1~~ INCOS 50-1
GC TEMP: 201 DEG. C
#219 TO #221 AVERAGED - #200 X1.00

5/20/92
jw

DATA: BFB960I #220
CALI: BFB960I #3

BASE M/Z: 174
RIC: 34560.

000187

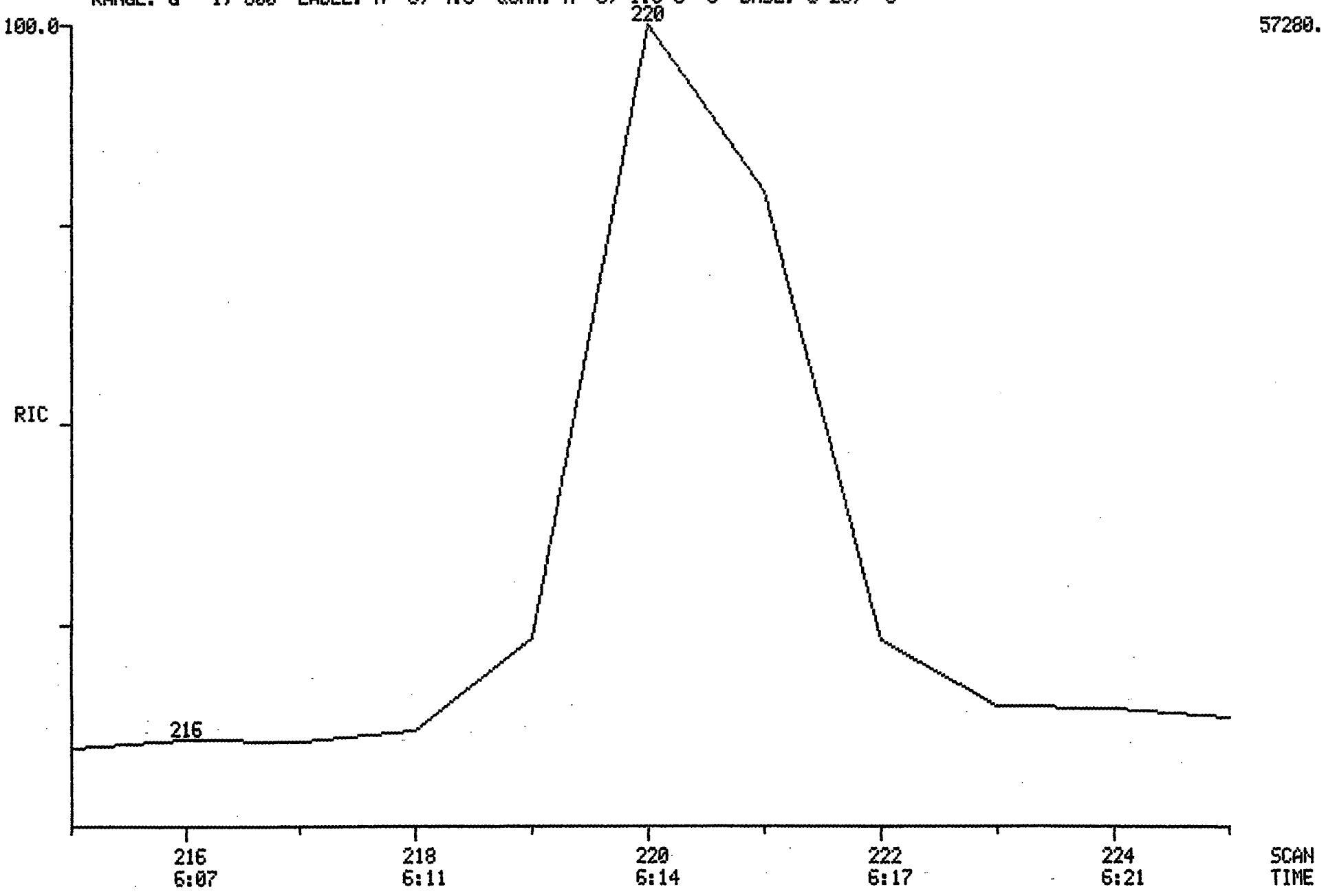


MID Mass List Data: BFB960I # 220 Base m/z: 174
04/29/92 13:32:00 + 6:14 Cali: BFB960I # 3 RIC: 34560.
Sample: 50NG INJECTION OF BFB
Conds.: ~~FINN50-1~~ FNCO50-1 5/20/92
#219 to #221 Averaged - #200 X1.00 JU

36 0.00 0.00 0. Minima Min inten: 22.
299 # 0 Maxima 100% RA at m/z: 95

Mass		% RA	% RIC	Inten.	Mass		% RA	% RIC	Inten.
36.00?	S	1.58	0.26	90.	95.00	S	100.00	16.48	5696.
37.00?	S	6.62	1.09	377.	96.00	S	7.65	1.26	436.
38.00?	S	5.95	0.98	339.	97.00	S	0.84	0.14	48.
39.00?	S	2.77	0.46	158.	98.00	S	0.40	0.07	23.
40.00?	S	0.51	0.08	29.	99.00	S	1.23	0.20	70.
41.00?	S	2.18	0.36	124.	104.00	S	0.88	0.14	50.
42.00?	S	0.84	0.14	48.	105.00	S	0.51	0.08	29.
43.00?	S	3.79	0.62	216.	106.00	S	0.95	0.16	54.
44.00?	S	1.00	0.16	57.	107.00	S	0.44	0.07	25.
45.00?	S	1.49	0.25	85.	109.00	S	0.65	0.11	37.
47.00?	S	1.79	0.30	102.	111.00	S	1.09	0.18	62.
48.00?	S	1.12	0.19	64.	113.00	S	0.84	0.14	48.
49.00?	S	5.06	0.83	288.	116.00	S	0.54	0.09	31.
50.00?	S	21.21	3.50	1208.	117.00	S	1.11	0.18	63.
51.00?	S	7.08	1.17	403.	118.00	S	0.46	0.08	26.
52.00?	S	0.56	0.09	32.	119.00	S	1.30	0.21	74.
55.00?	S	1.39	0.23	79.	121.00	S	0.42	0.07	24.
56.00?	S	3.60	0.59	205.	127.00	S	0.81	0.13	46.
57.00?	S	6.65	1.10	379.	128.00	S	0.81	0.13	46.
58.00?	S	0.61	0.10	35.	135.00	S	1.39	0.23	79.
60.00?	S	1.47	0.24	84.	137.00	S	0.97	0.16	55.
61.00?	S	5.35	0.88	305.	141.00	S	1.86	0.31	106.
62.00?	S	5.06	0.83	288.	143.00	S	1.49	0.25	85.
63.00?	S	3.88	0.64	221.	147.00	S	0.84	0.14	48.
64.00?	S	0.58	0.10	33.	148.00	S	0.70	0.12	40.
67.00?	S	0.98	0.16	56.	149.00	S	0.77	0.13	44.
68.00?	S	10.80	1.78	615.	150.00	S	0.65	0.11	37.
69.00	S	9.88	1.63	563.	155.00	S	0.95	0.16	54.
70.00	S	2.41	0.40	137.	165.00	S	0.61	0.10	35.
71.00	S	2.62	0.43	149.	173.00	S	0.84	0.14	48.
72.00	S	1.11	0.18	63.	174.00	S	103.79	17.11	5912.
73.00	S	3.69	0.61	210.	175.00	S	7.99	1.32	455.
74.00	S	16.08	2.65	916.	176.00	S	100.14	16.50	5704.
75.00	S	46.77	7.71	2664.	177.00	S	6.67	1.10	380.
76.00	S	5.04	0.83	287.	178.00	S	1.16	0.19	66.
77.00	S	0.61	0.10	35.	181.00	S	0.75	0.12	43.
78.00	S	1.51	0.25	86.	195.00	S	0.60	0.10	34.
79.00	S	3.76	0.62	214.	197.00	S	0.44	0.07	25.
80.00	S	1.35	0.22	77.	209.00	S	0.67	0.11	38.
81.00	S	3.41	0.56	194.	239.00	S	1.00	0.16	57.
82.00	S	1.21	0.20	69.	240.00	S	0.58	0.10	33.
83.00	S	0.54	0.09	31.	241.00	S	0.44	0.07	25.
84.00	S	1.04	0.17	59.	253.00	S	1.97	0.32	112.
85.00	S	2.02	0.33	115.	254.00	S	0.93	0.15	53.
87.00	S	4.86	0.80	277.	255.00	S	1.25	0.21	71.
88.00	S	4.11	0.68	234.	299.00	S	0.70	0.12	40.
91.00	S	1.12	0.19	64.					
92.00	S	3.44	0.57	196.					
93.00	S	5.02	0.83	286.					
94.00	S	12.41	2.05	707.					

MIDRIC DATA: BFB960I #1 SCANS 215 TO 225
04/29/92 13:32:00 CALI: BFB960I #3
SAMPLE: 50NG INJECTION OF BFB
CONDS.: ~~FINN50-1~~ INCOS 50-1 5/20/92 JRL
RANGE: G 1, 300 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

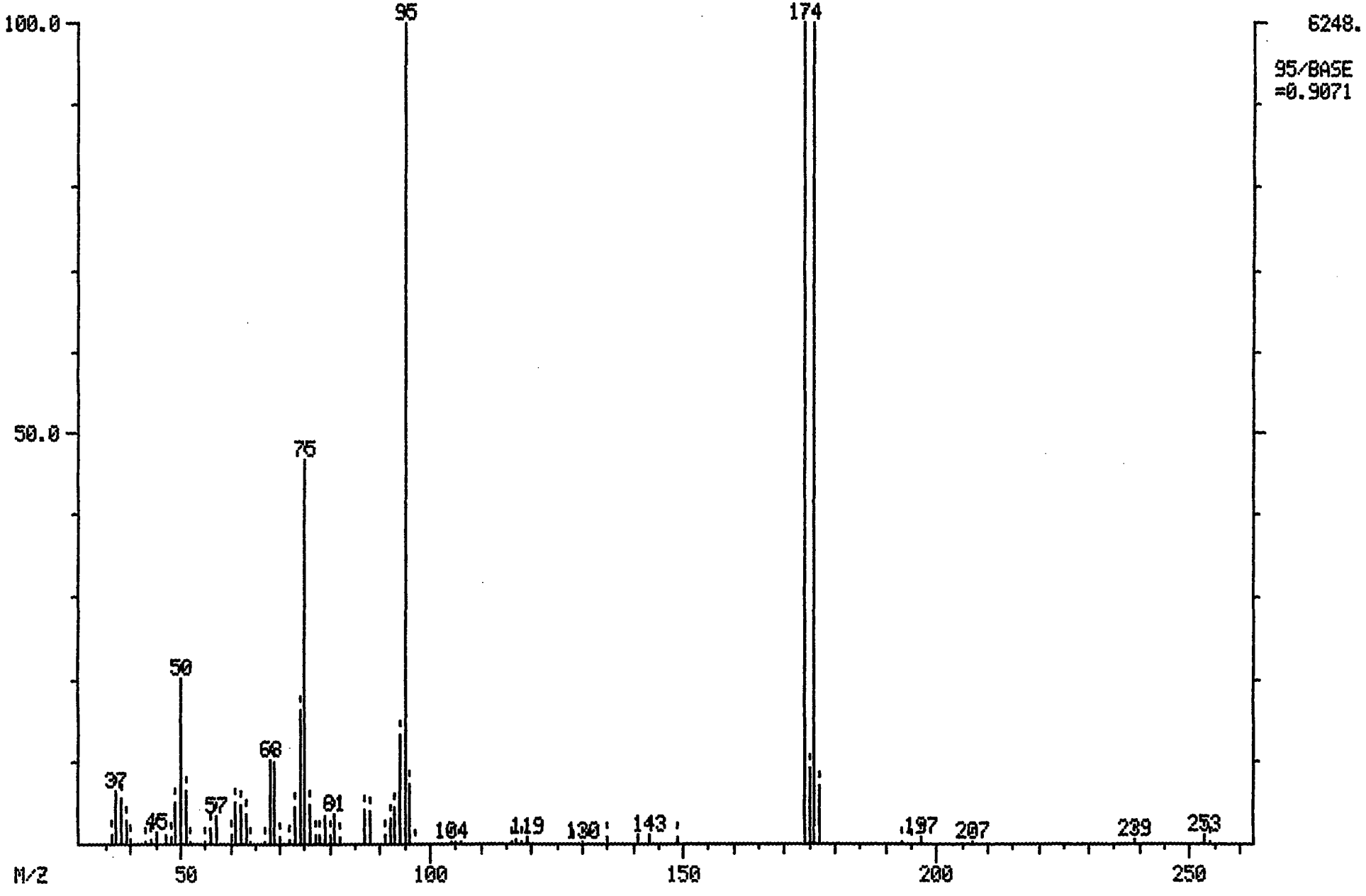


000189

MID MASS SPECTRUM
05/01/92 8:13:00 + 6:16
SAMPLE: 50NG INJECTION OF BFB
CONDS.: INCOS50-1
GC TEMP: 202 DEG. C
#220 TO #222 AVERAGED - #200 X1.00

DATA: BFB962I #221
CALI: BFB962I #3

BASE M/Z: 174
RIC: 34688.



000190

MID Mass List Data: BFB962I # 221 Base m/z: 174
05/01/92 8:13:00 + 6:16 Cali: BFB962I # 3 RIC: 34688.
Sample: 50NG INJECTION OF BFB
Conds.: INCOS50-1
#220 to #222 Averaged - #200 X1.00

36 0.00 0.00 0. Minima Min inten: 0.
254 # 0 Maxima 100% RA at m/z: 95

Mass		% RA	% RIC	Inten.	Mass		% RA	% RIC	Inten.
36.00?	S	1.22	0.22	76.	117.00	S	0.51	0.09	32.
37.00?	S	6.45	1.16	403.	118.00	S	0.34	0.06	21.
38.00?	S	5.55	1.00	347.	119.00	S	0.72	0.13	45.
39.00?	S	2.64	0.48	165.	128.00	S	0.11	0.02	7.
40.00?	S	0.45	0.08	28.	130.00	S	0.32	0.06	20.
43.00?	S	0.32	0.06	20.	131.00	S	0.08	0.01	5.
44.00?	S	0.69	0.12	43.	135.00	S	0.94	0.17	59.
45.00?	S	1.41	0.25	88.	141.00	S	0.99	0.18	62.
47.00?	S	1.14	0.20	71.	143.00	S	1.07	0.19	67.
48.00?	S	0.75	0.14	47.	149.00	S	0.75	0.14	47.
49.00?	S	5.01	0.90	313.	174.00	S	110.24	19.86	6888.
50.00?	S	20.07	3.62	1254.	175.00	S	9.14	1.65	571.
51.00?	S	6.45	1.16	403.	176.00	S	105.12	18.93	6568.
52.00?	S	0.18	0.03	11.	177.00	S	6.99	1.26	437.
55.00?	S	0.35	0.06	22.	193.00	S	0.21	0.04	13.
56.00?	S	2.03	0.37	127.	195.00	S	0.08	0.01	5.
57.00?	S	3.39	0.61	212.	197.00	S	0.88	0.16	55.
60.00?	S	1.04	0.19	65.	207.00	S	0.19	0.03	12.
61.00?	S	4.99	0.90	312.	239.00	S	0.48	0.09	30.
62.00?	S	4.79	0.86	299.	253.00	S	1.22	0.22	76.
63.00?	S	3.67	0.66	229.	254.00	S	0.24	0.04	15.
64.00?	S	0.21	0.04	13.					
67.00?	S	0.18	0.03	11.					
68.00?	S	10.23	1.84	639.					
69.00	S	9.84	1.77	615.					
70.00	S	0.78	0.14	49.					
72.00	S	0.51	0.09	32.					
73.00	S	4.34	0.78	271.					
74.00	S	16.33	2.94	1020.					
75.00	S	46.61	8.39	2912.					
76.00	S	4.59	0.83	287.					
77.00	S	1.04	0.19	65.					
78.00	S	1.04	0.19	65.					
79.00	S	3.44	0.62	215.					
80.00	S	1.04	0.19	65.					
81.00	S	3.52	0.63	220.					
82.00	S	0.72	0.13	45.					
87.00	S	4.16	0.75	260.					
88.00	S	3.99	0.72	249.					
91.00	S	1.09	0.20	68.					
92.00	S	3.17	0.57	198.					
93.00	S	4.35	0.78	272.					
94.00	S	13.17	2.37	823.					
95.00	S	100.00	18.01	6248.					
96.00	S	7.25	1.31	453.					
97.00	S	0.10	0.02	6.					
104.00	S	0.40	0.07	25.					
105.00	S	0.27	0.05	17.					
106.00	S	0.40	0.07	25.					
116.00	S	0.27	0.05	17.					

[illegible]

[illegible]

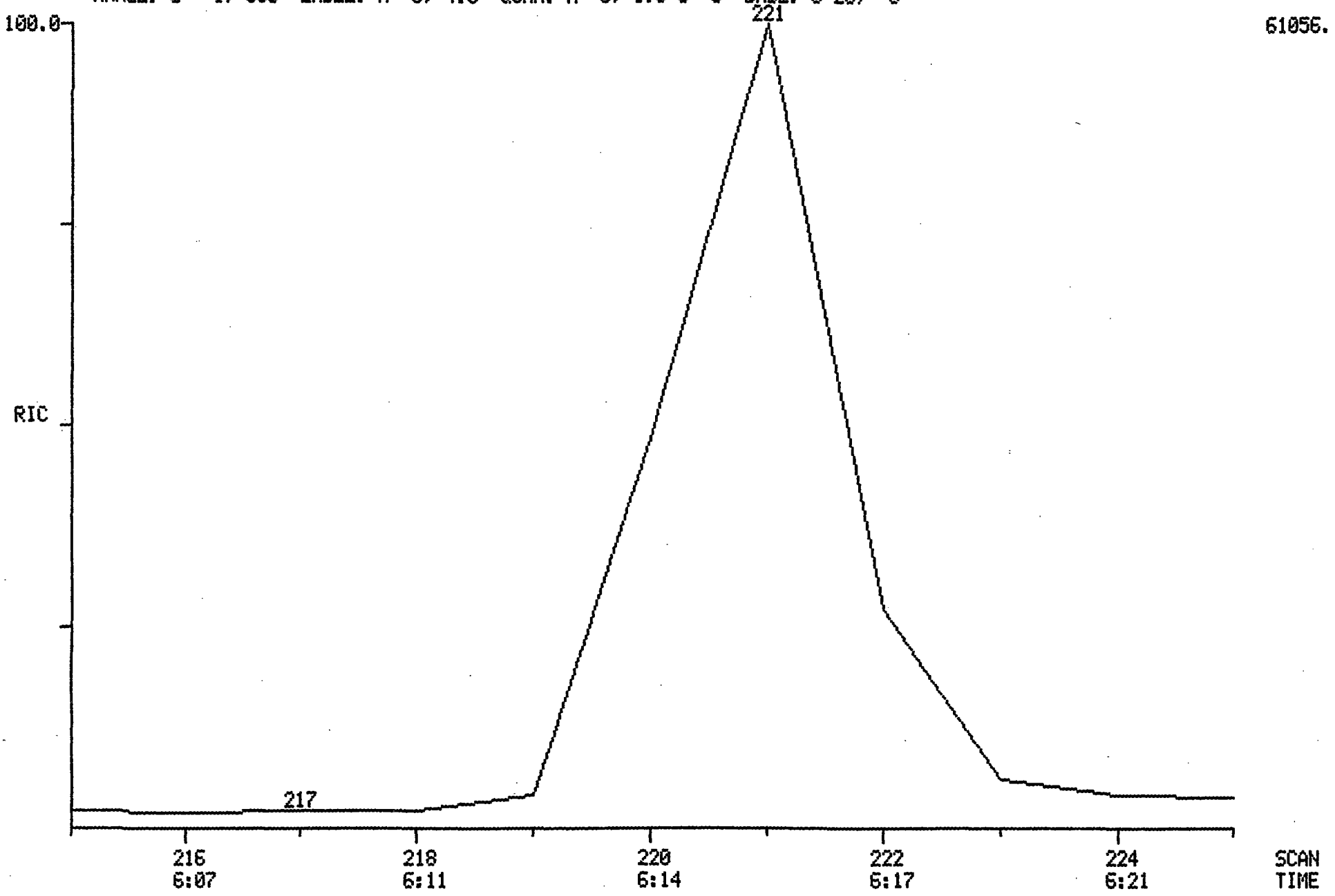
[illegible]

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

MIDRIC DATA: BFB962I #1 SCANS 215 TO 225
05/01/92 8:13:00 CALI: BFB962I #3
SAMPLE: 50NG INJECTION OF BFB
CONDS.: INCO550-1
RANGE: G 1, 300 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

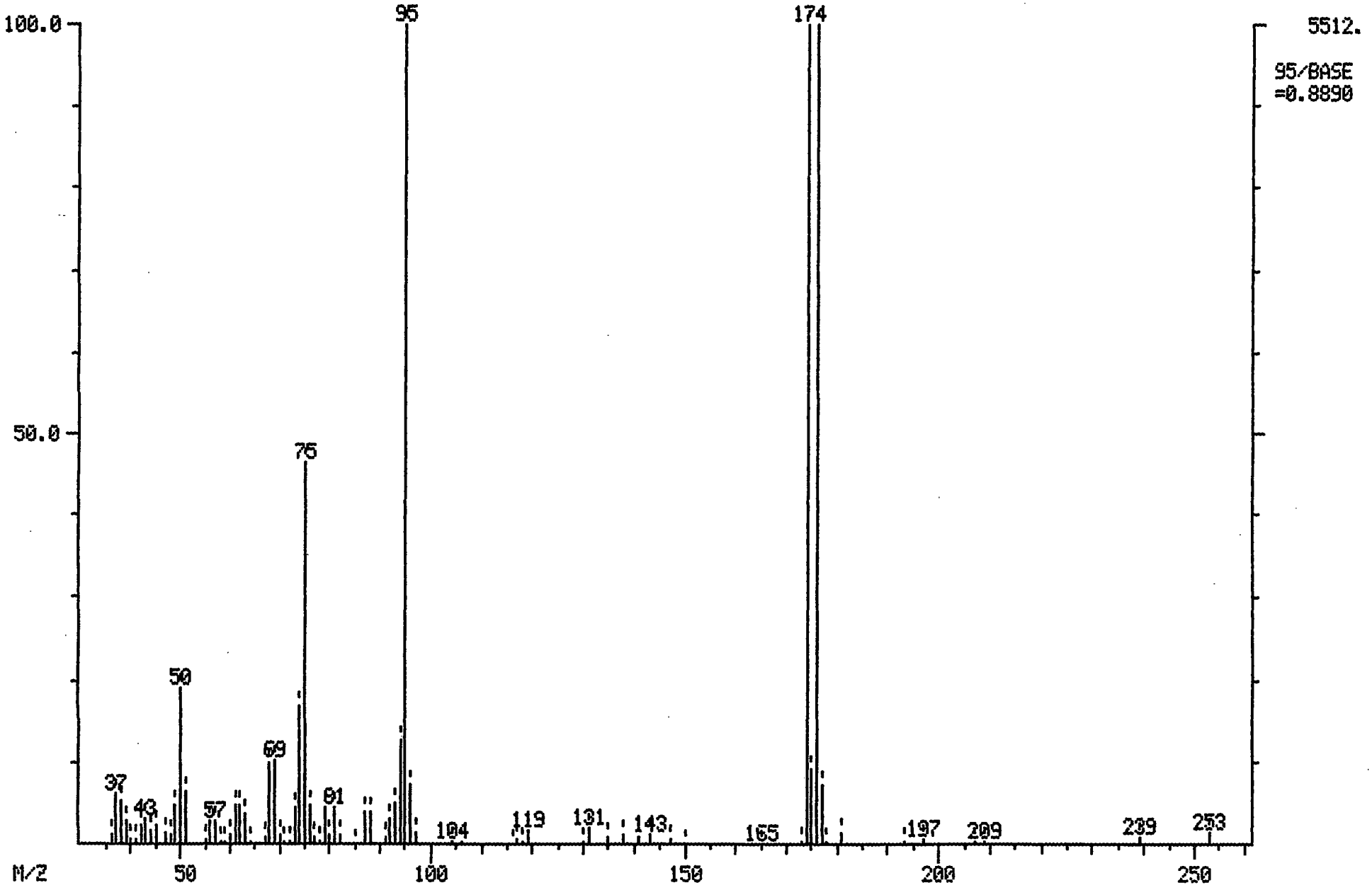


000192

MID MASS SPECTRUM
05/04/92 8:28:00 + 6:16
SAMPLE: 50NG INJECTION OF BFB
CONDS.: INCOS50-1
GC TEMP: 201 DEG. C
#220 TO #222 AVERAGED - #200 X1.00

DATA: BFB963I #221
CALI: BFB963I #3

BASE M/Z: 174
RIC: 31744.



000193

MID Mass List Data: BFB963I # 221 Base m/z: 174
05/04/92 8:28:00 + 6:16 Cali: BFB963I # 3 RIC: 31744.
Sample: 50NG INJECTION OF BFB
Conds.: INCOS50-1
#220 to #222 Averaged - #200 X1.00

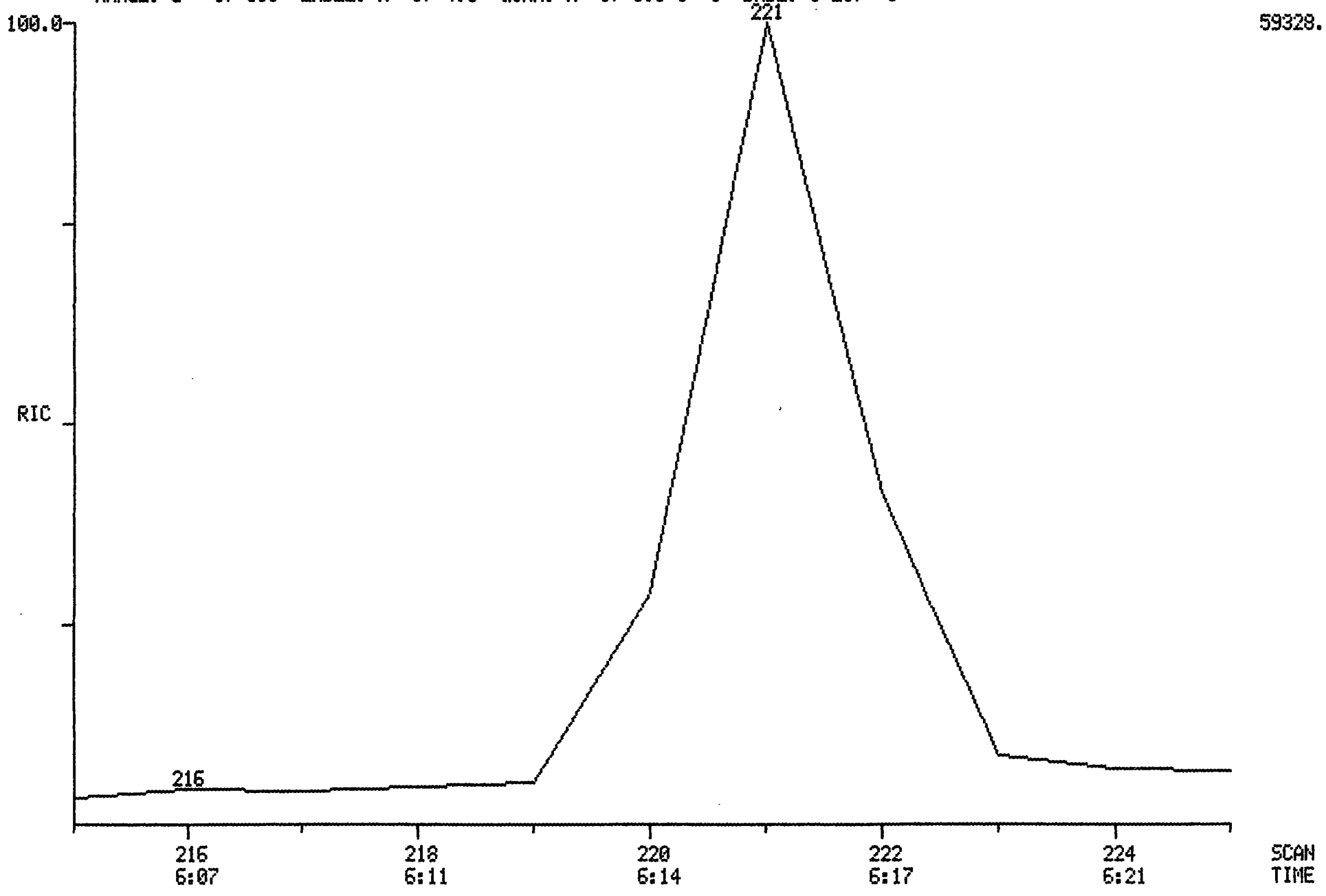
36 0.00 0.00 0. Minima Min inten: 0.
253 # 0 Maxima 100% RA at m/z: 95

Mass		% RA	% RIC	Inten.	Mass		% RA	% RIC	Inten.
36.00?	S	1.07	0.19	59.	97.00	S	1.29	0.22	71.
37.00?	S	6.04	1.05	333.	104.00	S	0.24	0.04	13.
38.00?	S	5.17	0.90	285.	106.00	S	0.20	0.03	11.
39.00?	S	2.74	0.48	151.	116.00	S	0.11	0.02	6.
40.00?	S	0.51	0.09	28.	117.00	S	0.54	0.09	30.
41.00?	S	0.51	0.09	28.	118.00	S	0.33	0.06	18.
42.00?	S	2.10	0.37	116.	119.00	S	1.60	0.28	88.
43.00?	S	3.17	0.55	175.	130.00	S	0.22	0.04	12.
44.00?	S	1.52	0.26	84.	131.00	S	2.00	0.35	110.
45.00?	S	2.09	0.36	115.	135.00	S	0.80	0.14	44.
47.00?	S	1.29	0.22	71.	138.00	S	1.11	0.19	61.
48.00?	S	0.98	0.17	54.	141.00	S	0.83	0.14	46.
49.00?	S	4.83	0.84	266.	143.00	S	1.07	0.19	59.
50.00?	S	19.19	3.33	1058.	147.00	S	0.67	0.12	37.
51.00?	S	6.48	1.12	357.	150.00	S	0.09	0.02	5.
55.00?	S	0.53	0.09	29.	165.00	S	0.09	0.02	5.
56.00?	S	2.63	0.46	145.	173.00	S	0.18	0.03	10.
57.00?	S	2.81	0.49	155.	174.00	S	112.48	19.53	6200.
58.00?	S	0.24	0.04	13.	175.00	S	9.23	1.60	509.
59.00?	S	0.34	0.06	19.	176.00	S	107.84	18.72	5944.
60.00?	S	1.11	0.19	61.	177.00	S	7.18	1.25	396.
61.00?	S	4.81	0.83	265.	178.00	S	0.29	0.05	16.
62.00?	S	4.64	0.81	256.	181.00	S	1.32	0.23	73.
63.00?	S	3.54	0.61	195.	193.00	S	0.34	0.06	19.
64.00?	S	0.31	0.05	17.	197.00	S	0.67	0.12	37.
67.00?	S	0.74	0.13	41.	207.00	S	0.15	0.03	8.
68.00?	S	9.96	1.73	549.	209.00	S	0.31	0.05	17.
69.00	S	10.25	1.78	565.	239.00	S	0.89	0.15	49.
70.00	S	1.16	0.20	64.	253.00	S	1.42	0.25	78.
71.00	S	0.38	0.07	21.					
72.00	S	0.34	0.06	19.					
73.00	S	4.46	0.77	246.					
74.00	S	16.82	2.92	927.					
75.00	S	46.52	8.08	2564.					
76.00	S	4.59	0.80	253.					
77.00	S	0.93	0.16	51.					
78.00	S	0.36	0.06	20.					
79.00	S	4.34	0.75	239.					
80.00	S	1.14	0.20	63.					
81.00	S	4.34	0.75	239.					
82.00	S	1.20	0.21	66.					
85.00	S	0.11	0.02	6.					
87.00	S	3.96	0.69	218.					
88.00	S	3.88	0.67	214.					
91.00	S	0.80	0.14	44.					
92.00	S	2.94	0.51	162.					
93.00	S	5.08	0.88	280.					
94.00	S	12.72	2.21	701.					
95.00	S	100.00	17.36	5512.					
96.00	S	7.28	1.26	401.					

MIDRIC
05/04/92 8:28:00
SAMPLE: 50NG INJECTION OF BFB
CONDS.: INCOS50-1
RANGE: G 1, 300 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: BFB963I #1
CALI: BFB963I #3

SCANS 215 TO 225

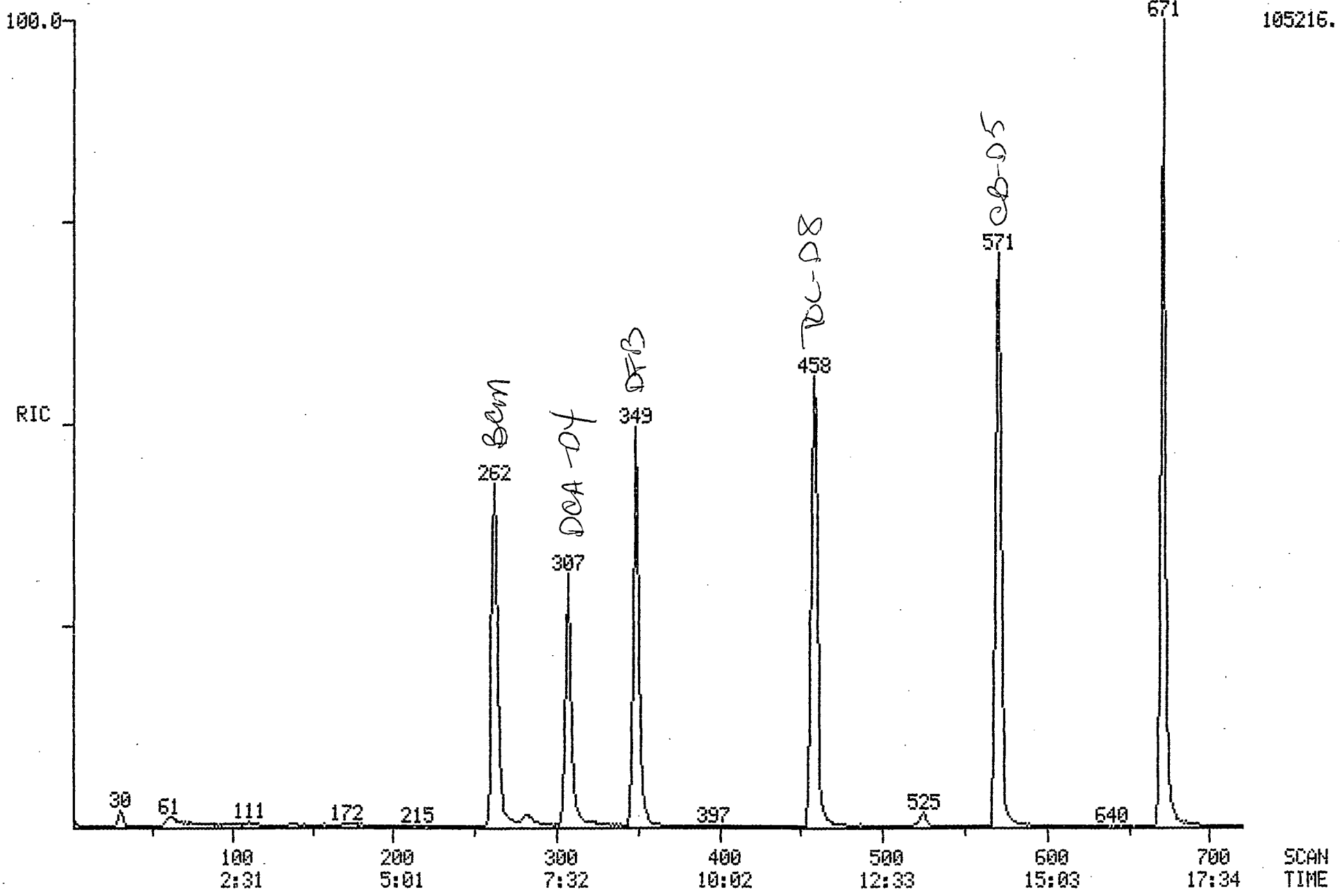


000195

MIDRIC
05/01/92 21:25:00
SAMPLE: VBLK2, 5ML
CONDS.: INCOS50-2
RANGE: G 1, 984 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOL2521 #1
CALI: VOL2521 #3

SCANS 1 TO 720



000198

Quantitation Report File: VOL2521

Data: VOL2521.TI
05/01/92 21:25:00
Sample: VBLK2, 5ML
Conds.: INCOS50-2
Formula: VOC Instrument: FINN52 Weight: 0.001
Submitted by: WADS Analyst: JP Acct. No.: 68D10008

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	DICHLORODIFLUOROMETHANE
50	CIS-1,2-DICHLOROETHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	262	6:35	1	1.000	A BB	21119.	250.000	NG	16.31
2	114	349	8:46	2	1.000	A BB	72151.	250.000	NG	16.31
3	117	571	14:20	3	1.000	A BB	70691.	250.000	NG	16.31
4	NOT FOUND									
5	94	60	1:30	1	0.229	A BB	46.	0.233	NG	0.02
6	NOT FOUND									
7	NOT FOUND									
8	84	138	3:28	1	0.527	A BB	234.	2.120	NG	0.14
9	NOT FOUND									
10	76	109	2:44	1	0.416	A BB	833.	2.552	NG	0.17
11	96	104	2:37	1	0.397	A BB	120.	0.983	NG	0.06
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	NOT FOUND									
16	43	255	6:24	1	0.973	A BV	813.	21.802	NG	1.42
17	NOT FOUND									
18	NOT FOUND									
19	43	215	5:24	2	0.616	A BB	157.	0.706	NG	0.05
20	NOT FOUND									
21	63	377	9:28	2	1.080	A BB	39.	0.307	NG	0.02
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	78	309	7:45	2	0.885	A BB	910.	2.717	NG	0.18
27	NOT FOUND									
28	173	640	16:04	2	1.834	A BB	61.	0.232	NG	0.02
29	43	459	11:31	3	0.804	A BV	1587.	14.428	NG	0.94
30	43	527	13:14	3	0.923	A BB	470.	6.962	NG	0.45
31	NOT FOUND									
32	83	691	17:21	3	1.210	A BB	239.	1.025	NG	0.07
33	91	463	11:37	3	0.811	A BB	353.	1.133	NG	0.07
34	112	573	14:23	3	1.004	A BB	171.	0.602	NG	0.04
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	98	458	11:30	3	0.802	A BB	72554.	256.082	NG	16.70
39	95	671	16:50	3	1.175	A BB	68630.	235.957	NG	15.39
40	65	307	7:42	1	1.172	A BB	50390.	235.992	NG	15.39
41	NOT FOUND									
42	NOT FOUND									
43	146	771	19:21	3	1.350	A BB	367.	1.031	NG	0.07
44	NOT FOUND									
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

5/5/92 JL

Low pr

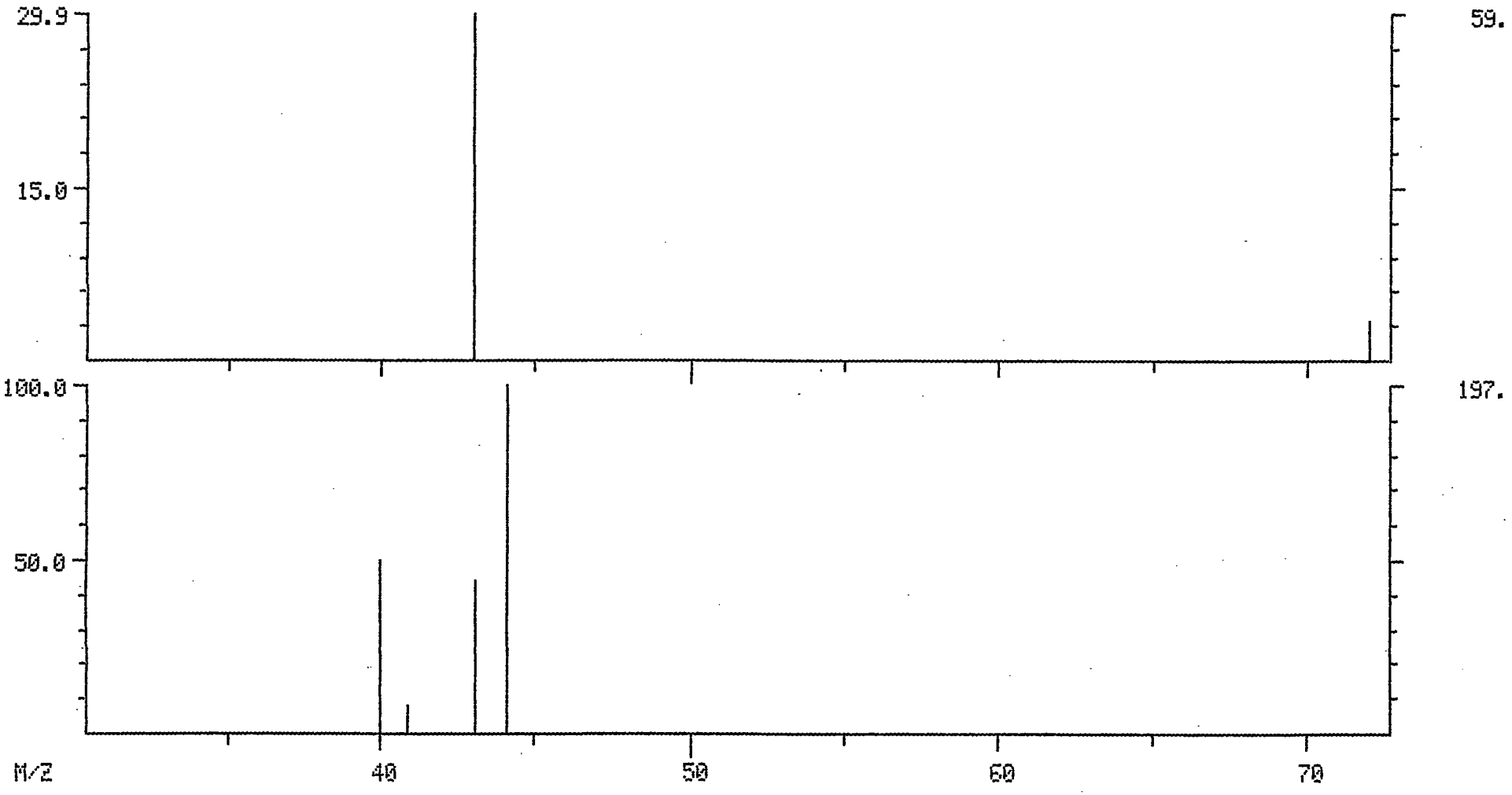
MID DUAL MASS SPECTRUM
05/01/92 21:25:00 + 6:24
SAMPLE: VBLK2, 5ML
CONDS.: INCOS50-2
GC TEMP: 24 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOL2521 #255
CALI: VOL2521 #3

BASE M/Z: 43/ 44
RIC: 65./ 396.

000201

2-BUTANONE

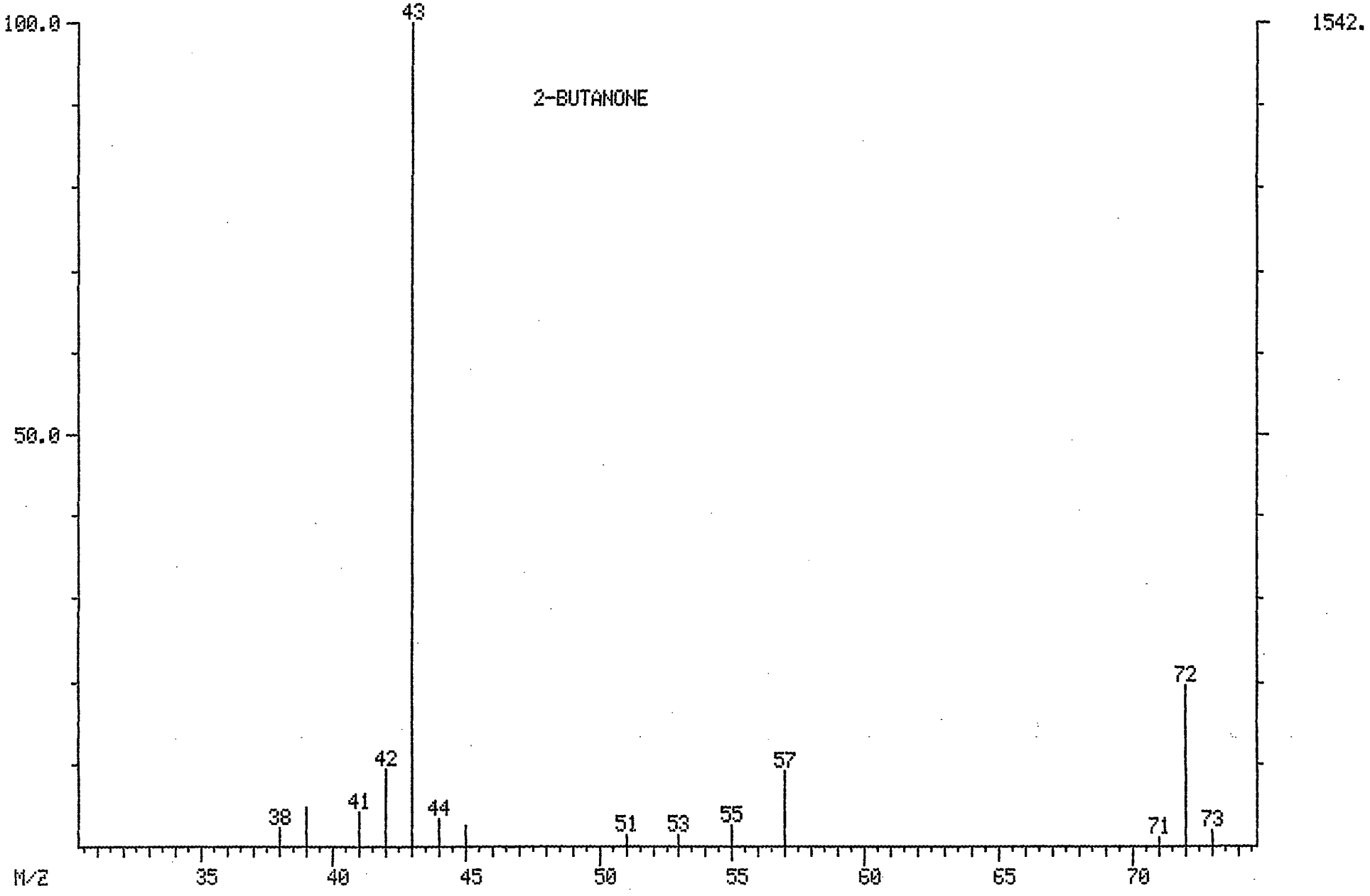


MID MASS SPECTRUM
05/01/92 20:42:00 + 6:19
SAMPLE: VSTD050, 250NG VOL STD, 5ML
CONDS.: INCOS50-2
GC TEMP: 24 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: VOL2520 #252
CALI: CALTAB #3

BASE M/Z: 43
RIC: 2520.

000202

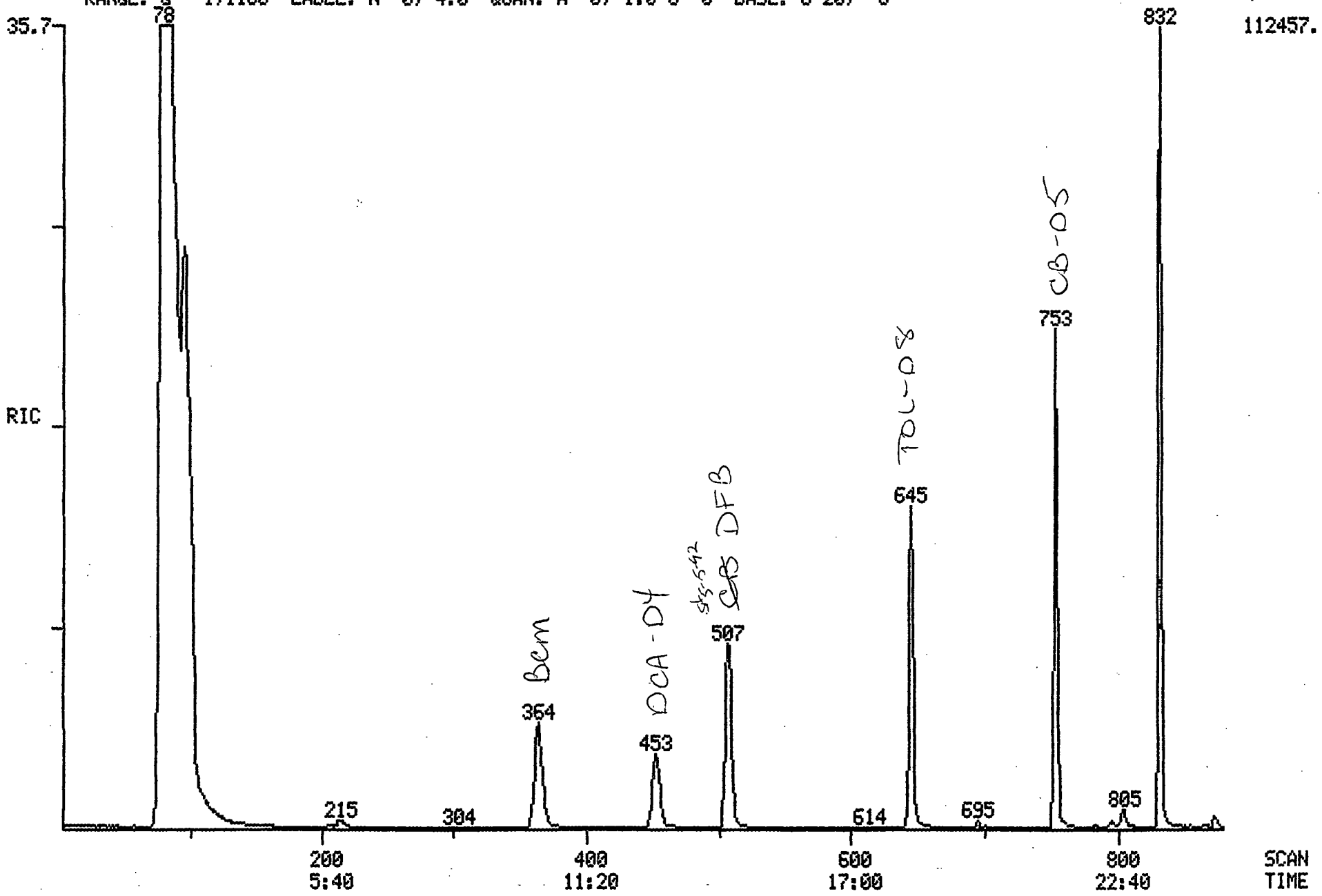


000205

MIDRIC
05/01/92 10:17:00
SAMPLE: VBLK3, 5G/5ML
CONDS.: INCOS50-1
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOI3323 #1
CALI: VOI3323 #3

SCANS 1 TO 880



Quantitation Report File: VOI3323

Data: VOI3323.TI
05/01/92 10:17:00
Sample: VBLK3, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

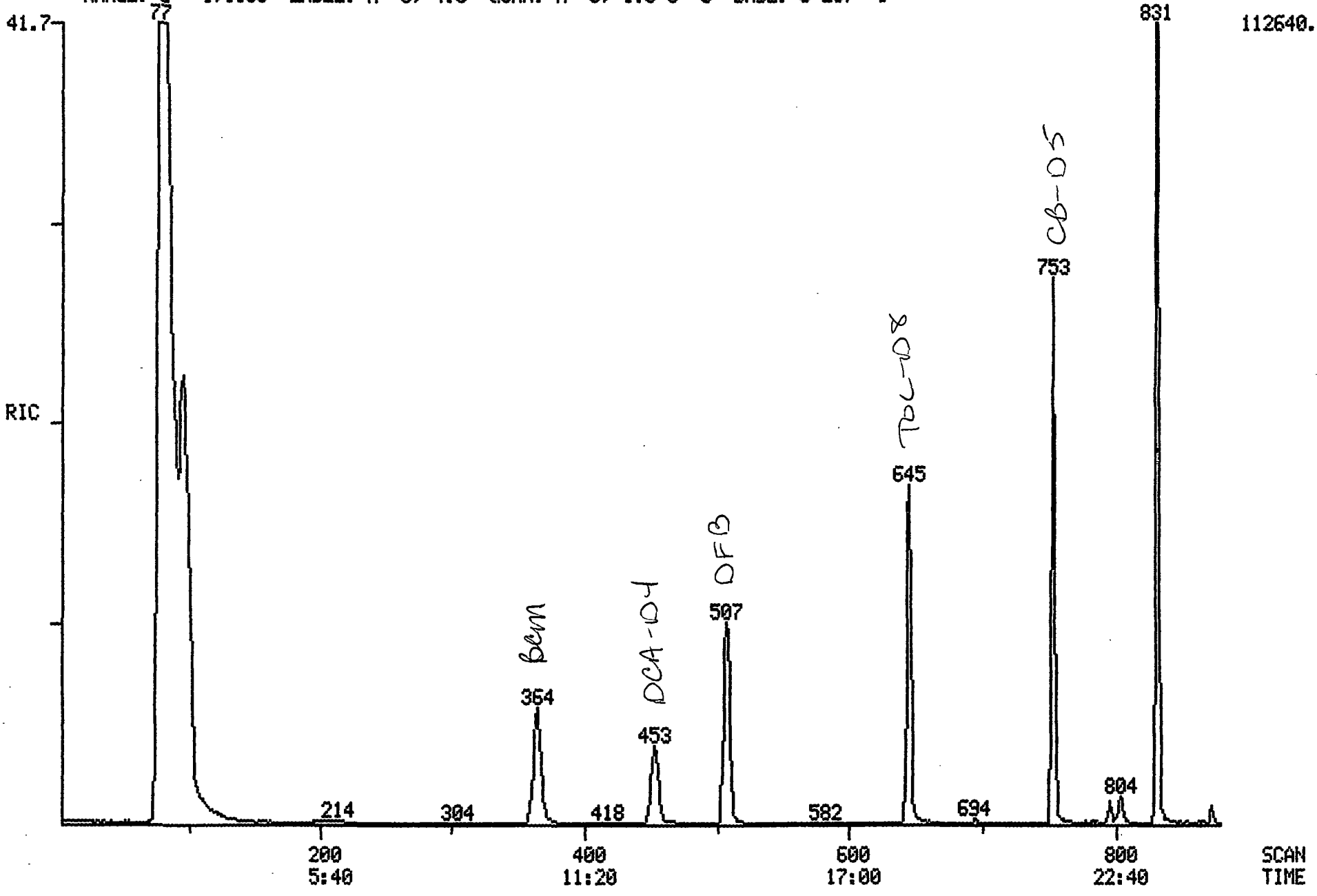
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	364	10:19	1	1.000	A BB	13731.	250.000	NG	15.38
2	114	507	14:22	2	1.000	A BB	54717.	250.000	NG	15.38
3	117	753	21:20	3	1.000	A BB	56775.	250.000	NG	15.38
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	NOT FOUND									
9	43	156	4:25	1	0.429	A BB	834.	~~37~~.283	NG	2.29
10	NOT FOUND									
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	NOT FOUND									
16	43	304	8:37	1	0.835	A BB	237.	7.121	NG	0.44
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	78	466	13:12	2	0.919	A BB	490.	3.185	NG	0.20
27	NOT FOUND									
28	NOT FOUND									
29	43	614	17:24	3	0.815	A BB	233.	2.282	NG	0.14
30	NOT FOUND									
31	NOT FOUND									
32	NOT FOUND									
33	91	651	18:27	3	0.865	A BB	489.	2.234	NG	0.14
34	NOT FOUND									
35	NOT FOUND									
36	NOT FOUND									
37	106	766	21:42	3	1.017	A BB	87.	0.715	NG	0.04
38	98	645	18:17	3	0.857	A BB	52887.	255.271	NG	15.71
39	95	832	23:35	3	1.105	A BB	48686.	224.037	NG	13.79
40	65	453	12:50	1	1.245	A BB	22183.	251.379	NG	15.47
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	146	906	25:40	3	1.203	A BB	717.	2.257	NG	0.14
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

Low pt 5/5/92 JAL

MIDRIC
05/04/92 10:32:00
SAMPLE: VBLK4, 5G/5ML
CONDS.: INCOS50-1
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOI3340 #1
CALI: VOI3340 #3

SCANS 1 TO 880



000210

Quantitation Report File: VOI3340

Data: VOI3340.TI
05/04/92 10:32:00
Sample: VBLK4, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	364	10:19	1	1.000	A BB	14528.	250.000	NG	14.77
2	114	507	14:22	2	1.000	A BB	61037.	250.000	NG	14.77
3	117	753	21:20	3	1.000	A BB	63862.	250.000	NG	14.77
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	84	200	5:40	1	0.549	A BB	457.	8.043	NG	0.48
9	43	156	4:25	1	0.429	A BB	713.	~~35~~.625	NG	2.10
10	76	208	5:54	1	0.571	A BB	296.	2.134	NG	0.13
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	NOT FOUND									
16	43	305	8:39	1	0.838	A BB	41.	1.613	NG	0.10
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	78	465	13:11	2	0.917	A BB	547.	3.353	NG	0.20
27	NOT FOUND									
28	NOT FOUND									
29	43	613	17:22	3	0.814	A BB	226.	2.453	NG	0.14
30	NOT FOUND									
31	NOT FOUND									
32	NOT FOUND									
33	91	651	18:27	3	0.865	A BB	296.	1.300	NG	0.08
34	NOT FOUND									
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	98	645	18:17	3	0.857	A BB	59355.	269.696	NG	15.93
39	95	832	23:35	3	1.105	A BV	54619.	229.797	NG	13.57
40	65	453	12:50	1	1.245	A BB	23877.	292.432	NG	17.27
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	146	906	25:40	3	1.203	A BB	937.	2.586	NG	0.15
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

low pk 5/6/92 JGL

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK02MS

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60020103

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3348

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 19 Date Analyzed: 5/04/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

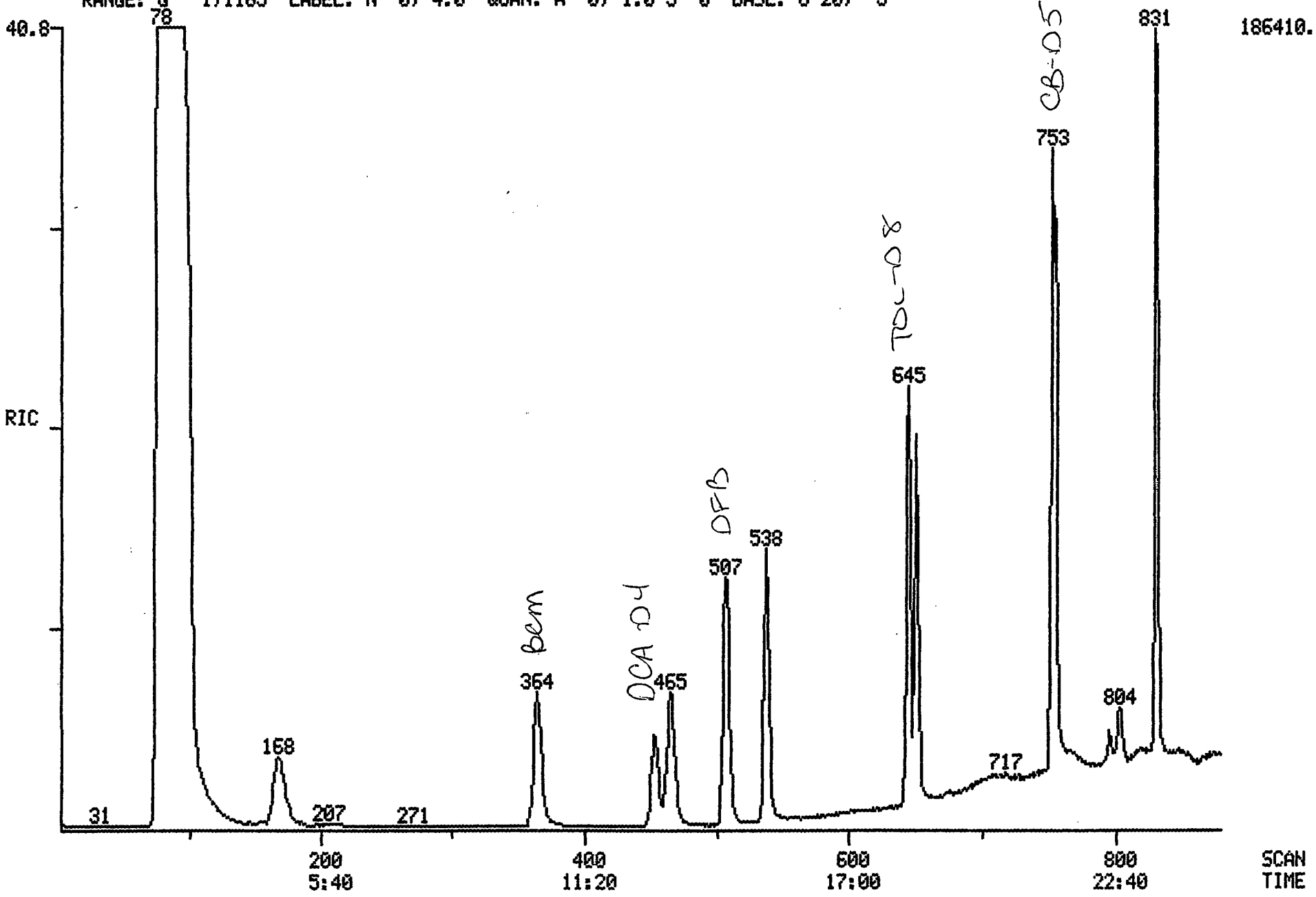
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	12.	U
67-64-1	Acetone	25.	
75-15-0	Carbon Disulfide	12.	U
75-35-4	1,1-Dichloroethene	65.	
75-34-3	1,1-Dichloroethane	12.	U
540-59-0	1,2-Dichloroethene (total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	7.	J
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon Tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U
79-01-6	Trichloroethene	51.	
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	60.	
10061-02-6	trans-1,3-Dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	65.	
108-90-7	Chlorobenzene	54.	
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (total)	12.	U

000213

MIDRIC
05/04/92 15:55:00
SAMPLE: 60020103, EQK02MS, 5G/5ML
CONDS.: INCOS50-1
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOI3348 #1
CALI: VOI3348 #3

SCANS 1 TO 880



000214

Quantitation Report File: VOI3348

Data: VOI3348.TI
05/04/92 15:55:00
Sample: 60020103, EQK02MS, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	365	10:21	1	1.000	A BB	29777.	250.000	NG	8.56
2	114	507	14:22	2	1.000	A BB	130281.	250.000	NG	8.56
3	117	753	21:20	3	1.000	A BB	119585.	250.000	NG	8.56
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	84	199	5:38	1	0.545	A BB	662.	5.684	NG	0.19
9	43	156	4:25	1	0.427	A BB	4210.	102.629	NG	3.51
10	76	209	5:55	1	0.573	A BB	1322.	4.651	NG	0.16
11	96	167	4:44	1	0.458	A BB	30371.	262.959	NG	9.00
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	62	465	13:11	1	1.274	A BB	992.	5.006	NG	0.17
16	43	304	8:37	1	0.833	A BB	1521.	29.189	NG	1.00
17	97	403	11:25	2	0.795	A BB	1041.	4.957	NG	0.17
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	130	538	15:15	2	1.061	A BB	54150.	204.694	NG	7.01
24	NOT FOUND									
25	NOT FOUND									
26	78	465	13:11	2	0.917	A BB	84434.	242.457	NG	8.30
27	NOT FOUND									
28	173	816	23:07	2	1.609	A VV	406.	0.734	NG	0.03
29	NOT FOUND									
30	NOT FOUND									
31	164	698	19:47	3	0.927	A*VV	611.	2.201	NG	0.08
32	83	827	23:26	3	1.098	A BV	125.	0.315	NG	0.01
33	91	651	18:27	3	0.865	A BB	111948.	262.475	NG	8.98
34	112	755	21:24	3	1.003	A BB	96084.	219.695	NG	7.52
35	106	765	21:41	3	1.016	A VV	820.	4.337	NG	0.15
36	104	796	22:33	3	1.057	A BB	255.	0.583	NG	0.02
37	106	765	21:41	3	1.016	A VV	820.	3.303	NG	0.11
38	98	645	18:17	3	0.857	A BB	121828.	295.619	NG	10.12
39	95	832	23:35	3	1.105	A VB	82794.	186.022	NG	6.37
40	65	453	12:50	1	1.241	A BB	43573.	260.368	NG	8.91
41	NOT FOUND									
42	106	793	22:28	3	1.053	A BV	452.	1.740	NG	0.06
43	146	899	25:29	3	1.194	A BB	180.	0.274	NG	0.01
44	146	906	25:40	3	1.203	A*BB	912.	1.344	NG	0.05
45	146	928	26:18	3	1.232	A BB	176.	0.285	NG	0.01
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	85	93	2:38	1	0.255	A VB	418.	2.157	NG	0.07

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK26MS

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60304102

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: VOL2533

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: not dec. Date Analyzed: 5/02/92

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

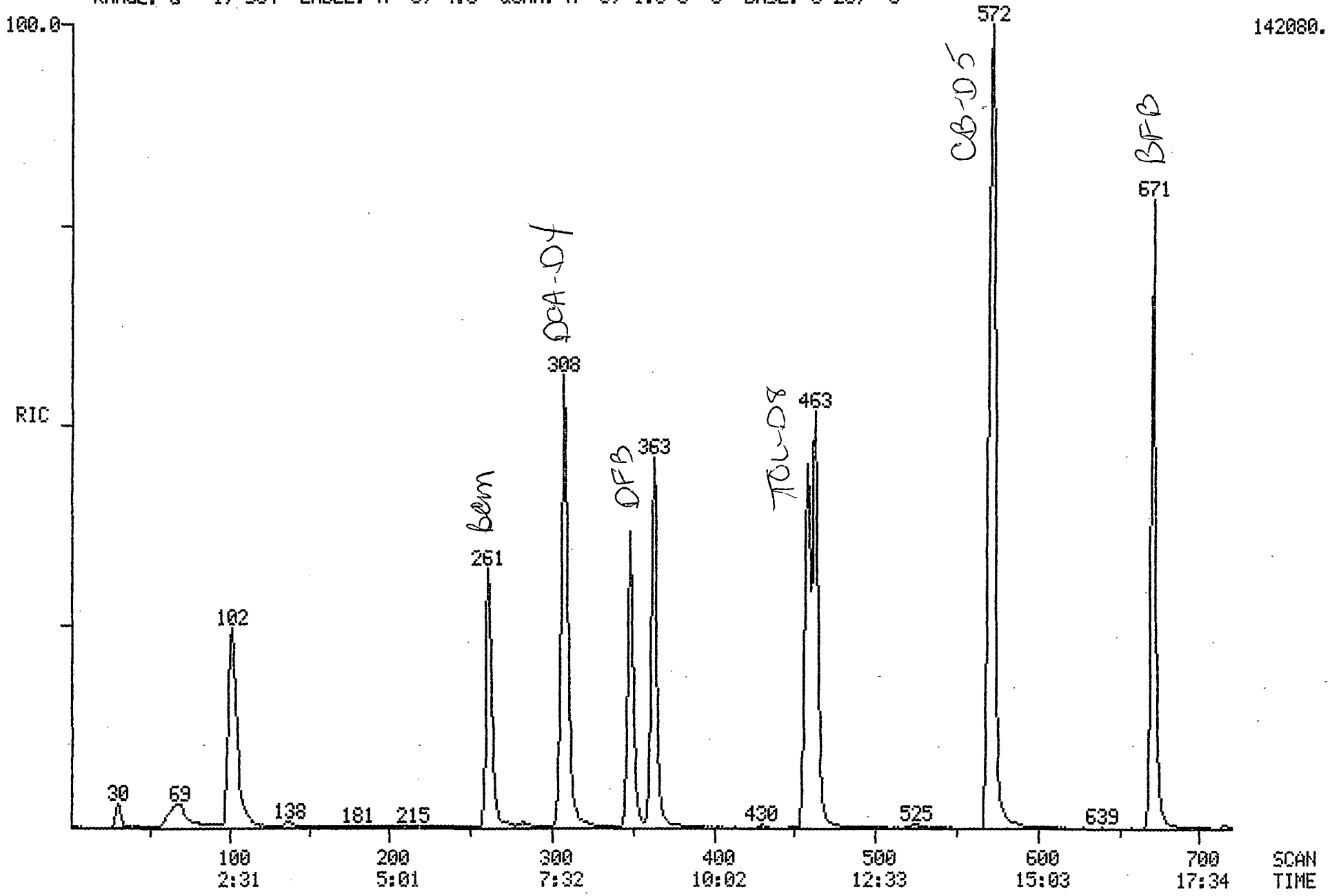
Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	11.	
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	48.	
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	54.	
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	52.	
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	52.	
108-90-7	Chlorobenzene	53.	
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

000217

5/20/92 JL

MIDRIC 60304102 DATA: VOL2533 #1 SCANS 1 TO 720
05/02/92 4:06:00 CALI: VOL2533 #3
SAMPLE: ~~60204102~~, EQK26MS, 5ML
CONDS.: INCOS50-2
RANGE: G 1, 984 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



000218

Quantitation Report File: VOL2533

Data: VOL2533.TI
05/02/92 4:06:00 5/20/92
Sample: ~~60204162~~ 60389182, EQK26MS, 5ML
Conds.: INCOS50-2
Formula: VOC Instrument: FINN52 Weight: 0.001
Submitted by: WADS Analyst: JP Acct. No.: 68D10008

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	DICHLORODIFLUOROMETHANE
50	CIS-1,2-DICHLOROETHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	261	6:33	1	1.000	A BB	22535.	250.000	NG	8.84
2	114	348	8:44	2	1.000	A BB	77407.	250.000	NG	8.84
3	117	571	14:20	3	1.000	A BB	84390.	250.000	NG	8.84
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	84	138	3:28	1	0.529	A BB	287.	2.436	NG	0.09
9	43	111	2:47	1	0.425	A BB	1522.	54.901	NG	1.94
10	76	111	~~2:47~~ 2:49 RT	1	0.425	A BB	2733.	7.847	NG	0.28
11	96	102	2:34	1	0.391	A BB	31336.	240.547	NG	8.51
12	NOT FOUND									
13	NOT FOUND									
14	83	275	6:54	1	1.054	A BB	142.	0.428	NG	0.02
15	NOT FOUND									
16	43	255	6:24	1	0.977	A BB	341.	8.570	NG	0.30
17	NOT FOUND									
18	117	292	7:20	2	0.839	A BB	38.	0.120	NG	0.00
19	NOT FOUND									
20	NOT FOUND									
21	63	376	9:26	2	1.080	A BB	143.	1.051	NG	0.04
22	NOT FOUND									
23	130	363	9:07	2	1.043	A BB	41073.	269.907	NG	9.55
24	NOT FOUND									
25	NOT FOUND									
26	78	309	7:45	2	0.888	A BB	92638.	257.813	NG	9.12
27	NOT FOUND									
28	NOT FOUND									
29	43	458	11:30	3	0.802	A BV	905.	6.890	NG	0.24
30	43	525	13:11	3	0.919	A BB	40.	0.496	NG	0.02
31	NOT FOUND									
32	NOT FOUND									
33	91	463	11:37	3	0.811	A BB	96577.	259.699	NG	9.19
34	112	572	14:21	3	1.002	A BB	90272.	266.037	NG	9.41
35	NOT FOUND									
36	NOT FOUND									
37	106	598	15:00	3	1.047	A BB	30.	0.141	NG	0.01
38	98	458	11:30	3	0.802	A BB	81425.	240.738	NG	8.52
39	95	671	16:50	3	1.175	A BB	75188.	216.541	NG	7.66
40	65	307	7:42	1	1.176	A BB	55257.	242.525	NG	8.58
41	NOT FOUND									
42	NOT FOUND									
43	146	763	19:09	3	1.336	A BB	118.	0.278	NG	0.01
44	146	771	19:21	3	1.350	A BB	178.	0.392	NG	0.01
45	146	800	20:05	3	1.401	A BB	77.	0.195	NG	0.01
46	NOT FOUND									
47	NOT FOUND									
48	101	77	1:56	1	0.295	A BB	291.	0.677	NG	0.02
49	NOT FOUND									
50	NOT FOUND									

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK02MSD

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) SOIL Lab Sample ID:60020103

Sample wt/vol: 5.00 (g/ml) G Lab File ID: VOI3342

Level: (low/med) LOW Date Received: 4/29/92

% Moisture: not dec. 19 Date Analyzed: 5/04/92

GC Column:RTX502.2 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	12.	U
67-64-1	Acetone	32.	
75-15-0	Carbon Disulfide	12.	U
75-35-4	1,1-Dichloroethene	86.	
75-34-3	1,1-Dichloroethane	12.	U
540-59-0	1,2-Dichloroethene (total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon Tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U
79-01-6	Trichloroethene	63.	
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	68.	
10061-02-6	trans-1,3-Dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	76.	
108-90-7	Chlorobenzene	66.	
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (total)	12.	U

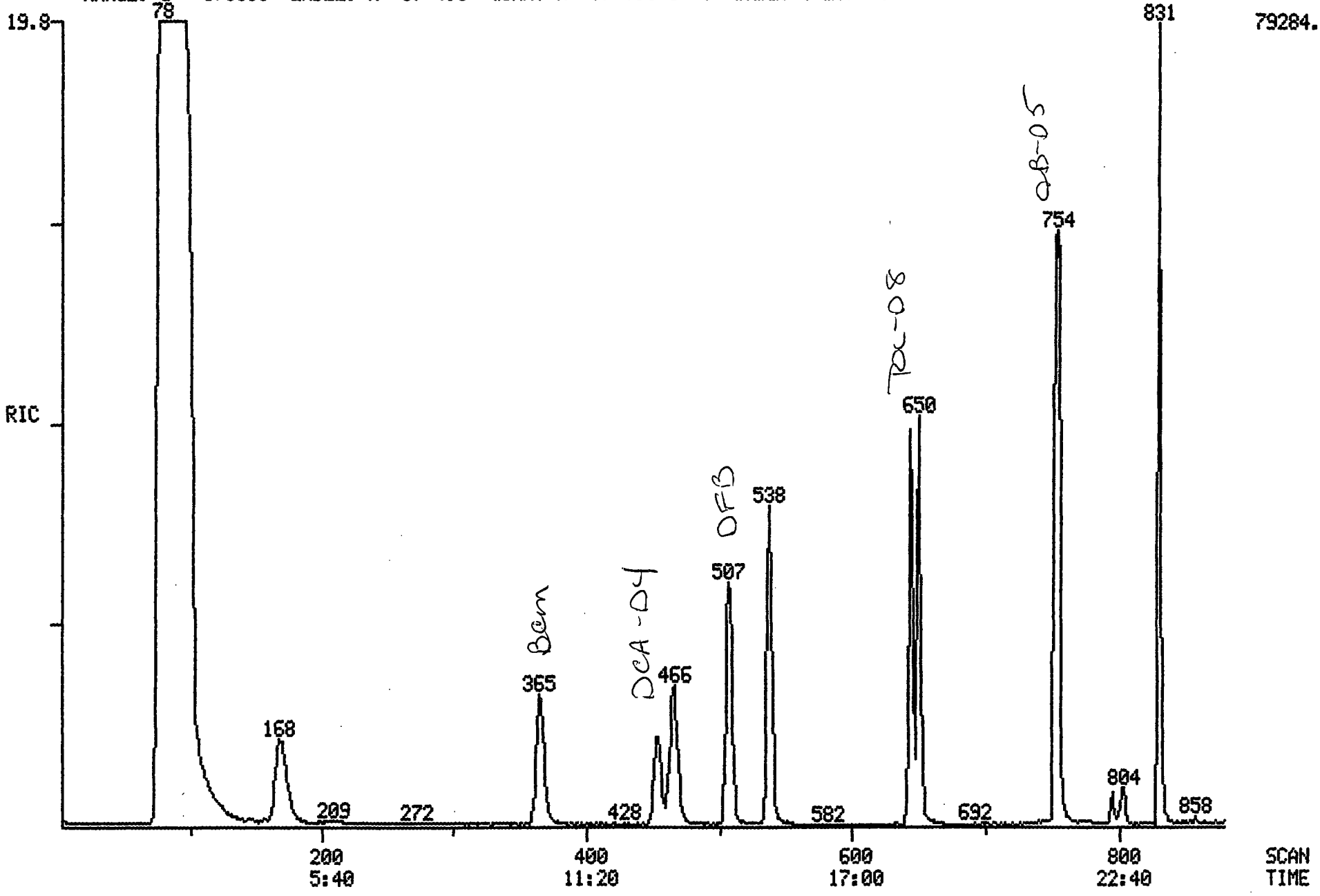
000221

MIDRIC
05/04/92 11:53:00
SAMPLE: 60020103, EQK02MSD, 5G/5ML
CONDS.: INCOS50-1
RANGE: G 1,1165 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOI3342 #1
CALI: VOI3342 #3

SCANS 1 TO 880

000222



Quantitation Report File: VOI3342

Data: VOI3342.TI
05/04/92 11:53:00
Sample: 60020103, EQK02MSD, 5G/5ML
Conds.: INCOS50-1
Formula: VOC Instrument: FINN50 Weight: 0.000
Submitted by: WADS Analyst: JP Acct. No.: 68D10085

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	CIS-1,2-DICHLOROETHENE
50	DICHLORODIFLUOROMETHANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	365	10:21	1	1.000	A BB	12007.	250.000	NG	7.78
2	114	507	14:22	2	1.000	A BB	50437.	250.000	NG	7.78
3	117	752	21:19	3	1.000	A BB	46194.	250.000	NG	7.78
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	84	199	5:38	1	0.545	A BB	258.	5.494	NG	0.17
9	43	156	4:25	1	0.427	A BB	2172.	131.306	NG	4.09
10	76	209	5:55	1	0.573	A BB	1622.	~~14~~.151	NG	0.44
11	96	168	4:46	1	0.460	A BB	16253.	348.967	NG	10.86
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	62	466	13:12	1	1.277	A BB	409.	5.118	NG	0.16
16	43	304	8:37	1	0.833	A BB	181.	8.614	NG	0.27
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	130	537	15:13	2	1.059	A BB	26116.	255.004	NG	7.94
24	NOT FOUND									
25	NOT FOUND									
26	78	466	13:12	2	0.919	A BB	37286.	276.566	NG	8.61
27	NOT FOUND									
28	NOT FOUND									
29	NOT FOUND									
30	NOT FOUND									
31	NOT FOUND									
32	NOT FOUND									
33	91	650	18:25	3	0.864	A BB	50822.	308.471	NG	9.60
34	112	755	21:24	3	1.004	A BB	44847.	265.457	NG	8.26
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	98	644	18:15	3	0.856	A BV	46642.	292.990	NG	9.12
39	95	831	23:33	3	1.105	A BB	33274.	193.536	NG	6.03
40	65	453	12:50	1	1.241	A BB	18831.	279.048	NG	8.69
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	146	905	25:39	3	1.203	A BB	889.	3.392	NG	0.11
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	85	94	2:40	1	0.258	A BB	44.	0.563	NG	0.02

Low fix 5/6/92 JEL

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQK26MSD

Lab Name:WADSWORTH/ALERT Contract:68-D1-0085

Lab Code:WADS Case No.:19026 SAS No.: SDG No.:EQK01

Matrix: (soil/water) WATER Lab Sample ID:60304102MSD

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: VOL2534

Level: (low/med) LOW Date Received: 4/30/92

% Moisture: not dec. Date Analyzed: 5/02/92

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	13.	
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	47.	
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	53.	
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	49.	
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	49.	
108-90-7	Chlorobenzene	50.	
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

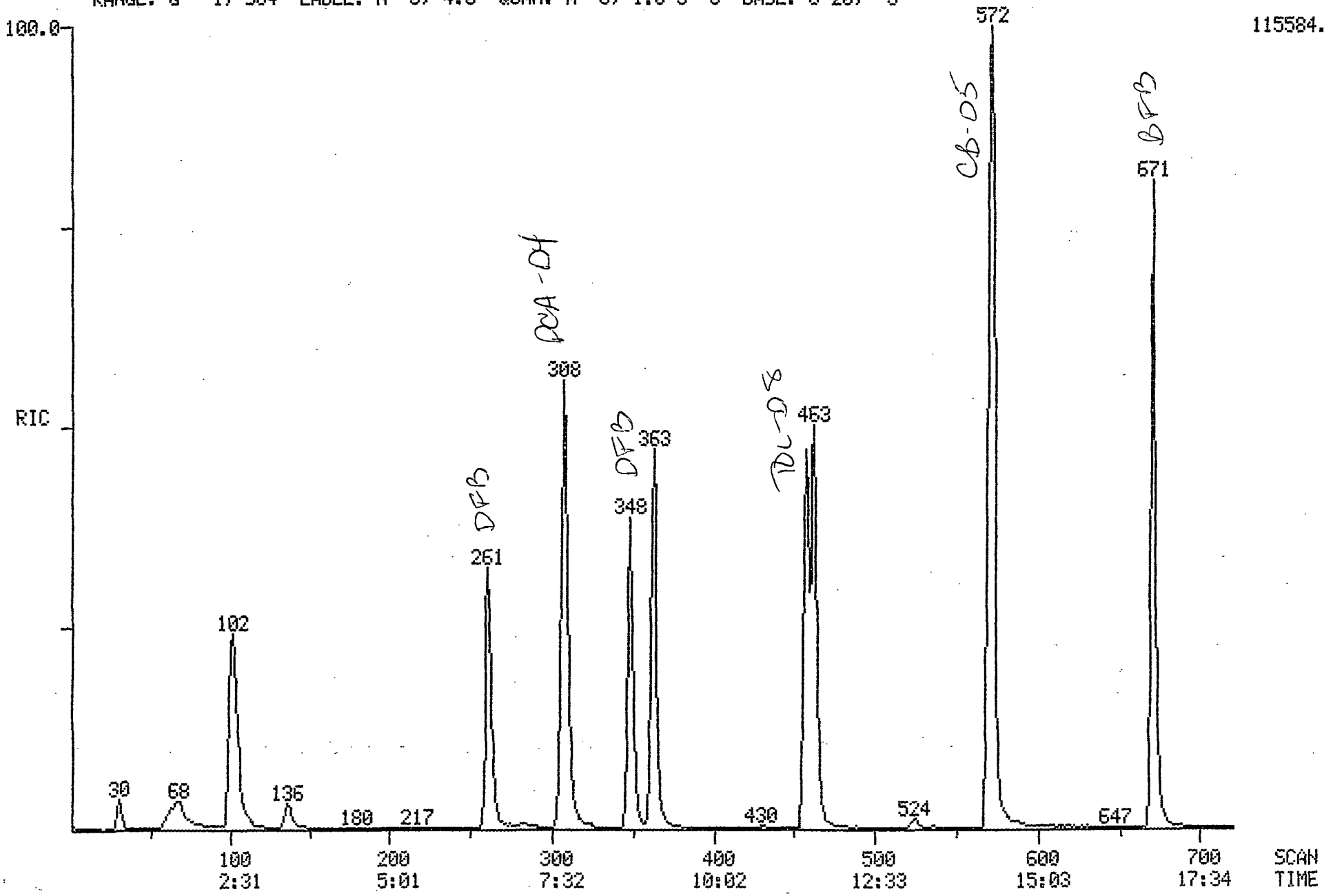
000225

MIDRIC
05/02/92 4:39:00
SAMPLE: 60304102, EQK26MSD, 5ML
CONDS.: INCOS50-2
RANGE: G 1, 984 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOL2534 #1
CALI: VOL2534 #3

SCANS 1 TO 720

000226



Quantitation Report File: VOL2534

Data: VOL2534.TI
05/02/92 4:39:00
Sample: 60304102, EQK26MSD, 5ML
Conds.: INCOS50-2
Formula: VOC Instrument: FINN52 Weight: 0.001
Submitted by: WADS Analyst: JP Acct. No.: 68D10008

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	BROMOCHLOROMETHANE
2	1,4-DIFLUOROBENZENE
3	CHLOROBENZENE-D5
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACETONE
10	CARBON DISULFIDE
11	1,1-DICHLOROETHENE
12	1,1-DICHLOROETHANE
13	1,2-DICHLOROETHENE (TOTAL)
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	2-BUTANONE
17	1,1,1-TRICHLOROETHANE
18	CARBON TETRACHLORIDE
19	VINYL ACETATE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	CIS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	TRANS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	4-METHYL-2-PENTANONE
30	2-HEXANONE
31	TETRACHLOROETHENE
32	1,1,2,2-TETRACHLOROETHANE
33	TOLUENE
34	CHLOROBENZENE
35	ETHYLBENZENE
36	STYRENE
37	XYLENES
38	TOLUENE-D8
39	BROMOFLUOROBENZENE
40	1,2-DICHLOROETHANE-D4
41	2-CHLOROETHYL VINYL ETHER
42	XYLENE (TOTAL)
43	1,3-DICHLOROBENZENE
44	1,2-DICHLOROBENZENE
45	1,4-DICHLOROBENZENE
46	ACROLEIN
47	ACRYLONITRILE

No	Name
48	TRICHLOROFLUOROMETHANE
49	DICHLORODIFLUOROMETHANE
50	CIS-1,2-DICHLOROETHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	261	6:33	1	1.000	A BB	18266.	250.000	NG	9.01
2	114	348	8:44	2	1.000	A BB	66560.	250.000	NG	9.01
3	117	570	14:18	3	1.000	A BB	70838.	250.000	NG	9.01
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	84	137	3:26	1	0.525	A BB	95.	0.995	NG	0.04
9	43	111	2:47	1	0.425	A BB	1443.	64.216	NG	2.31
10	76	110	2:46	1	0.421	A BB	1002.	3.549	NG	0.13
11	96	102	2:34	1	0.391	A BB	25072.	237.443	NG	8.55
12	NOT FOUND									
13	NOT FOUND									
14	83	275	6:54	1	1.054	A BB	89.	0.331	NG	0.01
15	NOT FOUND									
16	43	254	6:22	1	0.973	A BB	243.	7.534	NG	0.27
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	63	378	9:29	2	1.086	A BB	114.	0.974	NG	0.04
22	NOT FOUND									
23	130	363	9:07	2	1.043	A BB	34356.	262.556	NG	9.46
24	NOT FOUND									
25	NOT FOUND									
26	78	308	7:44	2	0.885	A BB	76174.	246.543	NG	8.88
27	NOT FOUND									
28	NOT FOUND									
29	43	458	11:30	3	0.804	A BV	786.	7.133	NG	0.26
30	43	524	13:09	3	0.919	A*BV	275.	4.060	NG	0.15
31	NOT FOUND									
32	NOT FOUND									
33	91	463	11:37	3	0.812	A BB	76235.	244.215	NG	8.80
34	112	572	14:21	3	1.004	A BB	71831.	252.190	NG	9.08
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	98	458	11:30	3	0.804	A BB	68154.	240.050	NG	8.65
39	95	671	16:50	3	1.177	A BB	62878.	215.732	NG	7.77
40	65	307	7:42	1	1.176	A BB	44296.	239.852	NG	8.64
41	NOT FOUND									
42	NOT FOUND									
43	146	771	19:21	3	1.353	A BB	157.	0.440	NG	0.02
44	NOT FOUND									
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

MISCELLANEOUS DATA

Analyst NJF
Case 19026

Client Code C01112

SDG Number EQK01

Wadsworth/ALERT Laboratories
ORGANIC EXTRACTION WORKSHEET

BNA Liq./Liq.

	Lot #	Mfr.
Dichloromethane	32029	EM
Acetone	N/A	
Hexane	N/A	
Sodium Sulfate	8024KJDV Mallinckrodt	

001119

Start Date Initial	Comp. Date Initial	WAL Sample ID / Client Sample ID	Parameter / Matrix	Initial Wt./Vol.	Initial pH	pH Adj.	Extraction Solvent & Volume	Exchange Solvent	Final Vol	QC Data Spike Standard # / Surrogate ID	Comments
4-30-93 NJF	5-1-93 NJF	90430 SBIKI	BNA H_2O	1000ml	7	2	500 ml $MeCl_2$	None	1 ml ~~5 ml~~ 4-30-93 NJF	0.5 ml 100/150 ppm	BNA surr. #1962
		60304 EQK26			7	2			1 ml		
		60304MS EQK26MS			7	2			1 ml	0.5 ml 100/150 ppm	BNA spike #195
		60304MSD EQK26MSD			7	2			1 ml		
		60305 EQK27			7	2			1 ml		
		60306 EQK28			5	2			1 ml		

4-30-93 NJF

Analyst CJ
Case 19026

Client Code C0142

SDG Number EQK01

Wadsworth/ALERT Laboratories
ORGANIC EXTRACTION WORKSHEET

BNA Low Levels

Dichloromethane 32029 EM
Acetone BC069 Baxter

Hexane N/A

Sodium Sulfate 80241KSDV Mallinkrodt

Start Date Initial	Comp. Date Initial	WAL Sample ID / Client Sample ID	Parameter / Matrix	Initial Wt./Vol.	Initial pH	pH Adj.	Extraction Solvent & Volume	Exchange Solvent	Final Vol	QC Data Spike Standard # Surrogate ID	Comments
5-4-92 CJ	5-4-92 CJ	92504 SB1KII	BNA solid	30.00g			300ml 1:1 MeCl2/Acetone	None	.5ml	.5ml 100/150 ppm surrogate	BNA #1962
		60014 EQK01		30.01g							
		60016 EQK08		30.06g							
		60017 EQK09		30.02g							
		60020 EQK02		30.06g							
		60020MS EQK02MS		30.00g						0.5ml 100/150 ppm BNA spike	#1913
		60020MSD EQK02MSD		30.02g							

5-4-92 CJ

00116

Analyst CJ
Case 19026

Client Code C0142

SDG Number EQK01

Wadsworth/ALERT Laboratories
ORGANIC EXTRACTION WORKSHEET

BNA Low Level RE

Dichloromethane 32029 EM
Acetone BC069 Baxter

Hexane N/A

Sodium Sulfate 8024KJDV Mallinkrodt

Start Date Initial	Comp. Date Initial	WAL Sample ID / Client Sample ID	Parameter / Matrix	Initial Wt./Vol.	Initial pH	pH Adj.	Extraction Solvent & Volume	Exchange Solvent	Final Vol	QC Data Spike Standard # / Surrogate ID	Comments
5-8-92 CJ	5-8-92 CJ	92508 SBIKIII	BNA Solid	30.00 g			300 ml 1:1 MeCl2/Acetone	None	.5 ml	0.5 ml 1ω/150 ppm BNA sum # 1967	
		60014RE EQK01RE		30.00 g							
		60016RE EQK08RE		30.09 g							
		60017RE EQK09RE		30.03 g							
											5-8-92 CJ

001121

Analyst NJF
Case 19026

Client Code CØ142

SDG Number EQK01

Wadsworth/ALERT Laboratories
ORGANIC EXTRACTION WORKSHEET

P/P Liq./Liq.

Dichloromethane 32029 EM
Acetone N/A

Hexane 32078 EM

Sodium Sulfate 8024KJDV Mallinckrodt

Start Date Initial	Comp. Date Initial	WAL Sample ID / Client Sample ID	Parameter / Matrix	Initial Wt./Vol.	Initial pH	pH Adj.	Extraction Solvent & Volume	Exchange Solvent	Final Vol	QC Data Spike Standard # / Surrogate ID	Comments
4-30-92 NJF	5-1-92 NJF	90438 PB1KI	P/P H2O	1000ml	7		500ml MECl2	50ml Hexane	10ml	1 ml of Pest CLP Surr. #1963	
		60304 EQK26			7						
		60304MS EQK26MS			7					1 ml of Pest CLP spike #1970	
		60304MSD EQK26MSD			7						
		60305 EQK27			7						
		60306 EQK28			5						

4-30-92 NJF

001122

Analyst CJ
Case ~~C0142~~ 19026 5-4-92 CJ

Client Code ~~19026~~ C0142 5-4-92 CJ

SDG Number EQK01

Wadsworth/ALERT Laboratories
ORGANIC EXTRACTION WORKSHEET

Dichloromethane 32029 EM
Acetone BC069 Baxter

Hexane 32078 EM

Sodium Sulfate 8024KJDV Mallinckrodt

PIP Low Levels

Start Date Initial	Comp. Date Initial	WAL Sample ID / Client Sample ID	Parameter / Matrix	Initial Wt./Vol.	Initial pH	pH Adj.	Extraction Solvent & Volume	Exchange Solvent	Final Vol	QC Data Spike Standard # / Surrogate ID	Comments
5-4-92 CJ	5-4-92 CJ	92504 PBLKII	PIP Solid	30.00g			300 ml 1:1 Hexane/Acetone	50 ml Hexane	5 ml	2 ml of Pest CLP surr. #1963	
		60014 EQK01		30.01g							
		60016 EQK08		30.03g							
		60017 EQK09		30.01g							
		60030 EQK07		30.09g							
		60020MS EQK02MS		30.01g						2 ml of Pest CLP spike #1970	
		60020MSD EQK02MSD		30.01g							

5-4-92 CJ

001123

WADSWORTH / ALERT LABORATORY
BNA LOGSHEET

Case# 19026 SDG# EQK01

SAMPLE ID	COMPANY ID	DATE EXTRACTED	ANALYST INITIALS	AMOUNT EXTRACTED	INITIAL pH	ADJUSTED pH	SOLVENT VOLUME(ml)	FRACTION (acid / BN)	FINAL VOLUME (ml)	SURROGATE ADDED	COMMENTS
SBIK I	90430	4-30-92	NJF	1000 ml	7	2	500 ml MeCl2	1 ml	1 ml	0.5 ml 100/150ppm BNA surr. #1962	
EQK26	60304				7	2					
EQK26MS	60304MS				7	2				0.5 ml 100/150 ppm BNA spike #1913	
EQK26MSD	60304MSD				7	2					
EQK27	60305				7	2					
EQK28	60306				5	2					
SBIK II	92504	5-4-92	CJ	30.00g	7.0		300ml 1:1 MeCl2/Acetone	0.5 ml	0.5 ml		
EQK01	60014			30.01g	8.95						
EQK08	60016			30.06g	10.35						
EQK09	60017			30.02g	10.26						
EQK02	60020			30.06g	6.66						
EQK02MS	60020MS			30.00g	6.66					0.5 ml 100/150ppm BNA spike #1913	
EQK02MSD	60020MSD			30.02g	6.66						
SBIK III	92508	5-8-92		30.00g	7.0						
EQK01RE	60014RE			30.00g	8.95						
EQK08RE	60016RE			30.08g	10.35						
EQK09RE	60017RE			30.03g	10.26						

5-8-92 CJ

Form 190

№ 219

001124

Case # 19026 SDG # EQK01

WADSWORTH / ALERT LABORATORIES
PEST / PCB LOGSHEET

SAMPLE ID	COMPANY ID	DATE EXTRACTED	ANALYST INITIALS	AMOUNT EXTRACTED	INITIAL pH	ADJUSTED pH	SOLVENT, VOLUME (ml)	EXCHANGE SOLVENT	FINAL VOLUME (ml)	SURROGATE ADDED	COMMENTS
PBIKI	90430	4-30-92	NJF	1000 ml	7		500 ml $MeCl_2$	50 ml Hexane	10 ml	1 ml 2 ppm Pest surr #1963	
EQK26	60304				7						
EQK26MS	60304MS				7					1 ml 1/.5 ppm	Pest spike #1970
EQK26MSD	60304MSD				7						
EQK27	60305				7						
EQK28	60306				5						
PBIKII	92504	5-4-92	CJ	30.00g	7.0		300 ml 1:1 $MeCl_2$/Acetone		5 ml	2 ml 2 ppm	Pest surr #1963
EQK01	60014			30.01g	8.95						
EQK08	60016			30.03g	10.35						
EQK09	60017			30.01g	10.26						
EQK02	60020			30.09g	6.66						
EQK02MS	60020MS			30.01g	6.66					1 ml 1/.5 ppm	Pest spike #1970
EQK02MSD	60020MSD			30.01g	6.66						

5-4-92 CJ

Form 180

№ 289

001125

WADSWORTH/ALERT LABORATORIES

FLOROSIL CARTRIDGE CLEAN UP

ANALYST NJF DATE 5-1-92

SAMPLE #	CARTRIDGE LOT #	MANUFACTURER	COMMENTS
PBIK I	942324	Analytichem	Case # 19026 SDG # EQK01, PIP H2O's
EQK26	↓	↓	↓
EQK26MS	↓	↓	↓
EQK26MSD	↓	↓	↓
EQK27	↓	↓	↓
EQK28	↓	↓	↓
			5-1-92 NJF

WADSWORTH/ALERT LABORATORIES

FLOROSIL CARTRIDGE CLEAN UP

ANALYST NJF DATE 5-8-92

SAMPLE #	CARTRIDGE LOT #	MANUFACTURER	COMMENTS
PBIKII	942824	Analytichem	CUS# 14026 SDG# EQK01 PIPLOWS
EQK01			
EQK08			
EQK09			
EQK02			
EQK02MS			
EQK02MSD			
			5-8-92 NJF

WADSWORTH/ALERT LABORATORIES

GPC CLEAN UP

ANALYST NJF DATE 4-29-92

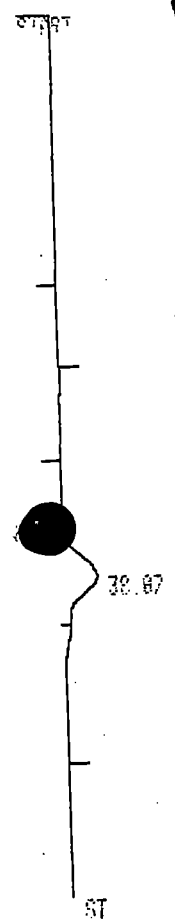
RUN NUMBER	SAMPLE NUMBER	COMMENTS
165	Cal. Fluid	Weekly calibration
5	Pest r soln.	↓
4	PCB r soln.	↓
		4-29-92 NJF

WADSWORTH/ALERT LABORATORIES

GPC CLEAN UP

ANALYST NJF DATE 5-5-92

RUN NUMBER	SAMPLE NUMBER	COMMENTS
1	SBIK II	CLSC#19026 SDG# EQK01 BNA LOWS
2	EQK01	
3	EQK08	
4	EQK09	
5	EQK02	
6	EQK02MS	
7	EQK02MSD	
		5-5-92 NJF



5-5-92 NJF

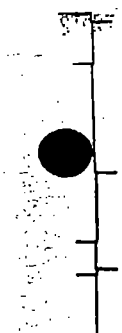
SBIK ~~III~~ II
BNA LOW
5-5-92 NJF

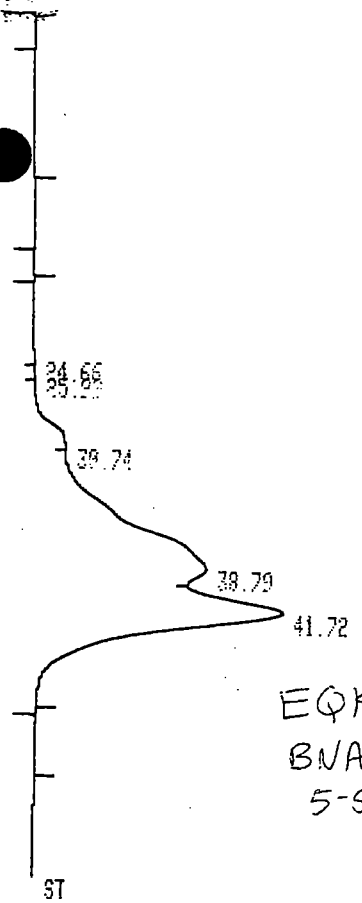
RUN # 1

AREA%

RT	AREA	TYPE	AR/HT	AREA%
38.07	1333300	BV	2.845	100.000

TOTAL AREA= 1333300
MUL. FACTOR= 1.0000E+00





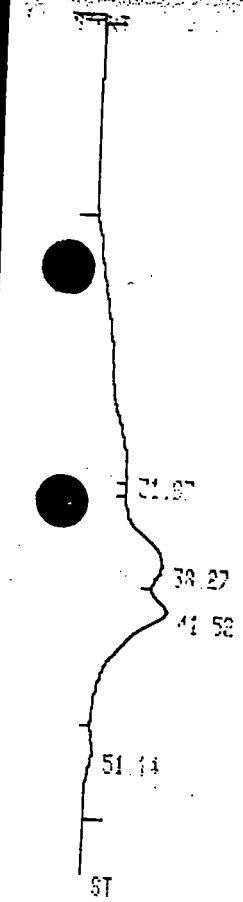
EQK01
BNA Low
5-5-92 NSF

RUN # 2

AREA%

RT	AREA	TYPE	AR/HT	AREA%
24.66	2122	PV	0.213	0.009
25.99	11213	VV	0.697	0.047
30.74	846250	VV	1.910	3.525
38.79	1.2375E+07	VV	5.013	51.543
41.72	1.0774E+07	VB	3.013	44.877

TOTAL AREA= 2.4009E+07
MUL FACTOR= 1.0000E+00



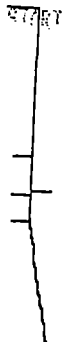
EQK08
BNA LOW
5-5-92 NJF

RUN # 3

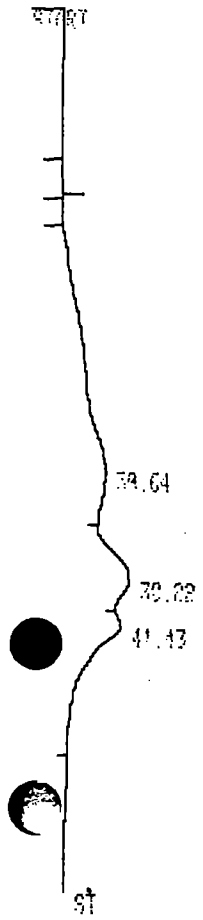
AREA%

RT	AREA	TYPE	AR/HT	AREA%
31.97	4640300	BV	9.215	32.063
38.27	5055600	VV	4.879	34.933
41.52	4451800	VV	3.995	30.760
51.14	324810	VB	2.906	2.244

TOTAL AREA= 1.4472E+07
MUL FACTOR= 1.0000E+00



TOTAL AREA= 1.4472E+07
MUL FACTOR= 1.0000E+00



EQK09
BNA LOW
5-5-92 NSF

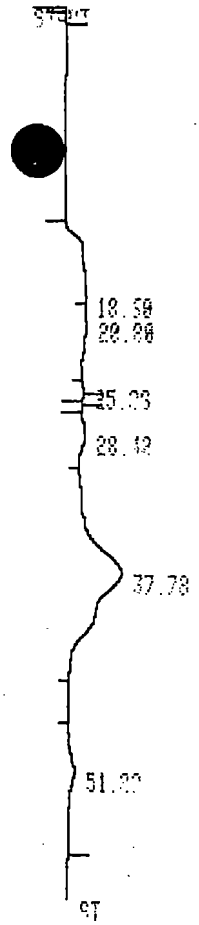
RUN # 4

AREA%

RT	AREA	TYPE	AR/HT	AREA%
30.61	7158700	BV	11.259	47.294
38.22	4525200	VV	4.569	29.889
41.43	3455900	VV	4.053	22.827

TOTAL AREA= 1.5140E+07
MUL FACTOR= 1.0000E+00

MUL FACTOR= 1.0000E+00



EQK02
BNA Low
5-5-92 NSF

RUN # , 5

AREA%

RT	AREA	TYPE	AR/HT	AREA%
18.60	831620	PV	4.406	16.517
20.80	489630	VV	3.044	9.725
25.23	14188	VB	1.416	0.282
28.42	90050	BP	1.651	1.789
37.79	3408500	PP	4.985	67.696
51.22	201050	PB	2.324	3.993

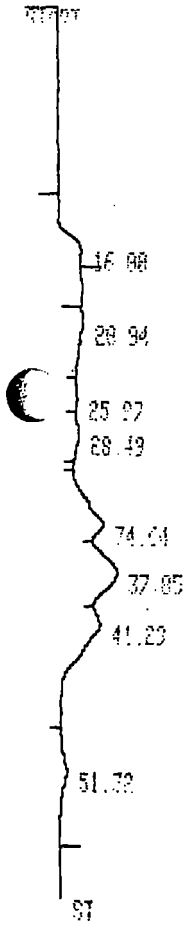
TOTAL AREA= 5035000
MUL FACTOR= 1.0000E+00

START

001134

28.42	[illegible]	[illegible]	[illegible]	[illegible]
37.79	3408500	PP	4.985	[illegible]
51.22	201050	PB	2.324	3.993

TOTAL AREA= 5035000
MUL FACTOR= 1.0000E+00



EQK02 MS
BNA LOW
5-5-92 NJF

RUN # 6

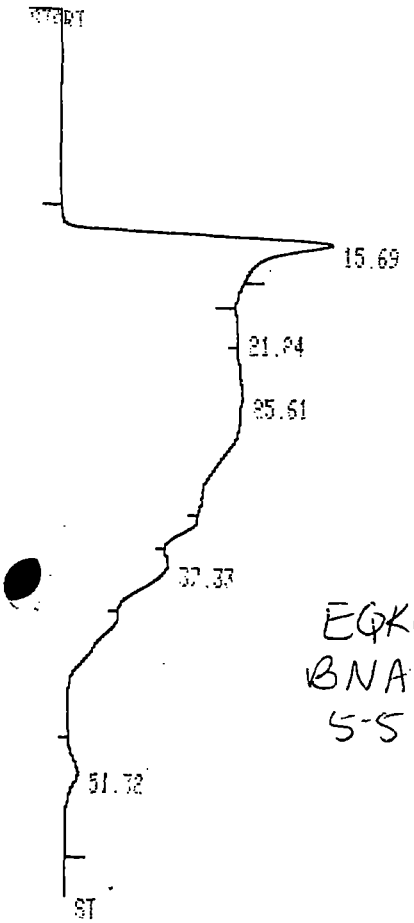
AREA%

RT	AREA	TYPE	AR/HT	AREA%
20.94	77444	BP	1.638	1.351
25.97	46140	PV	1.511	0.805
28.49	164710	VV	2.133	2.873
34.64	1281500	VV	2.585	22.354
37.85	2434600	VV	3.322	42.468
41.29	1508500	VP	2.990	26.314
51.32	219850	PB	2.390	3.835

TOTAL AREA= 5732700
MUL FACTOR= 1.0000E+00

41.29	1508500	VP	2.990	26.314
51.32	219850	PB	2.390	3.835

TOTAL AREA= 5732700
MUL FACTOR= 1.0000E+00



EQK02 MSD
BNA LOW
5-5-92 NJF

RUN # 7

AREA%

RT	AREA	TYPE	AR/HT	AREA%
15.69	2742200	PB	1.109	22.742
21.24	305790	BV	1.964	2.536
25.61	7113100	VV	11.682	58.990
37.37	1524900	VV	2.826	12.645
51.32	372010	PB	2.270	3.085

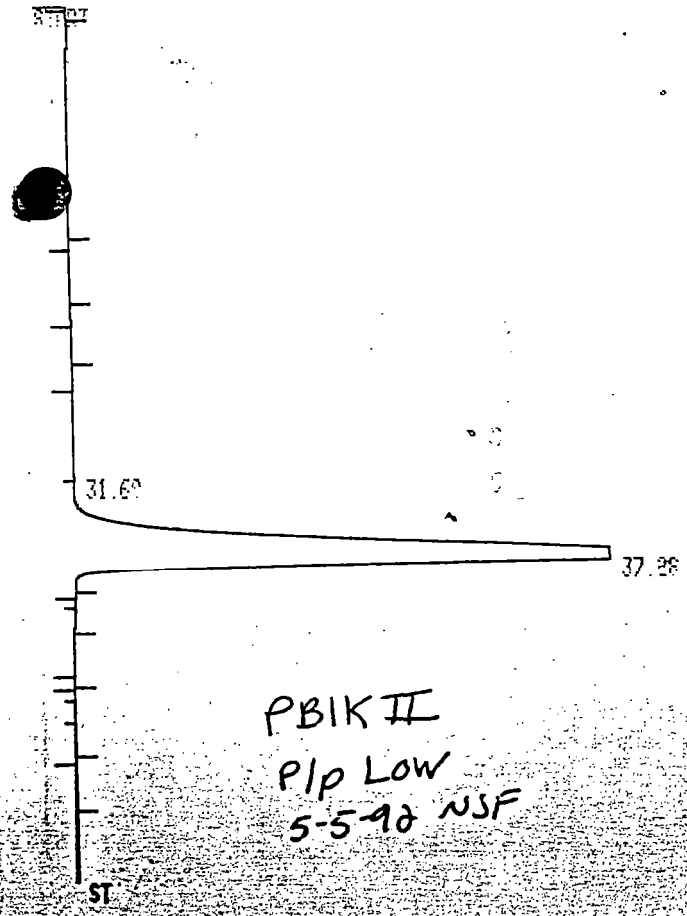
TOTAL AREA= 1.2058E+07
MUL FACTOR= 1.0000E+00

WADSWORTH/ALERT LABORATORIES

GPC CLEAN UP

ANALYST NJF DATE 5-5-92

RUN NUMBER	SAMPLE NUMBER	COMMENTS
18	PB1K II	Case# 19026 SDG# EQK01 P/P Lows
19	EQK01	
20	EQK08	
21	EQK09	
22	EQK02	
23	EQK02MS	
24	EQK02MSD	
		5-5-92 NJF



PBIK II
P/p Low
5-5-92 NSF

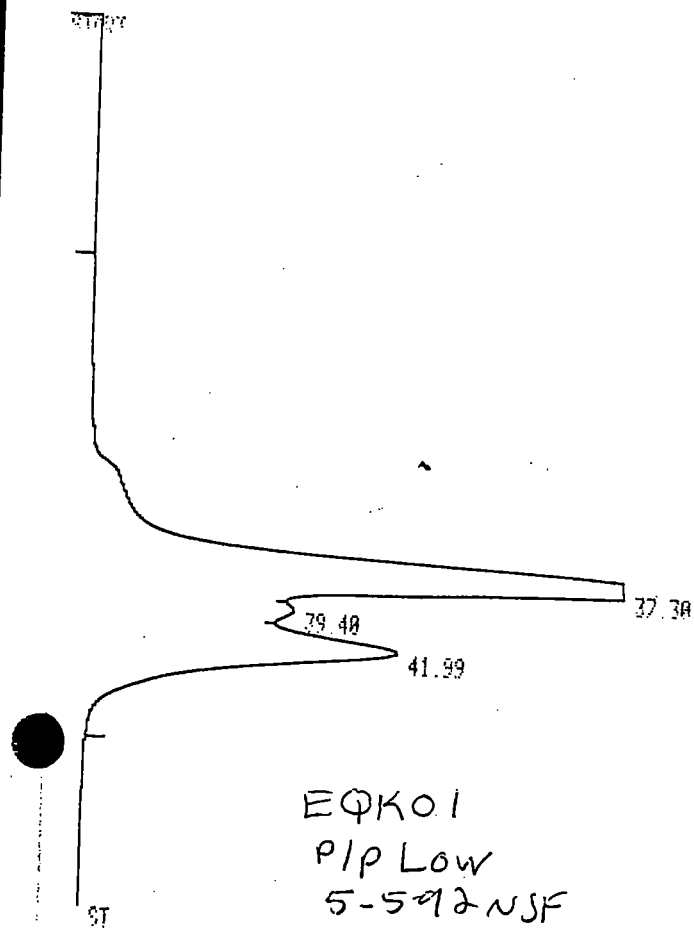
RUN # 19

AREA%

RT	AREA	TYPE	AR/HT	AREA%
31.68	27815	BV	3.709	0.172
37.28	1.6171E+07	VB	1.698	99.828

TOTAL AREA= 1.6199E+07
MUL FACTOR= 1.0000E+00

TOTAL AREA= 1.6199E+07
MUL FACTOR= 1.0000E+00



EQK01
P/P Low
5-592NSF

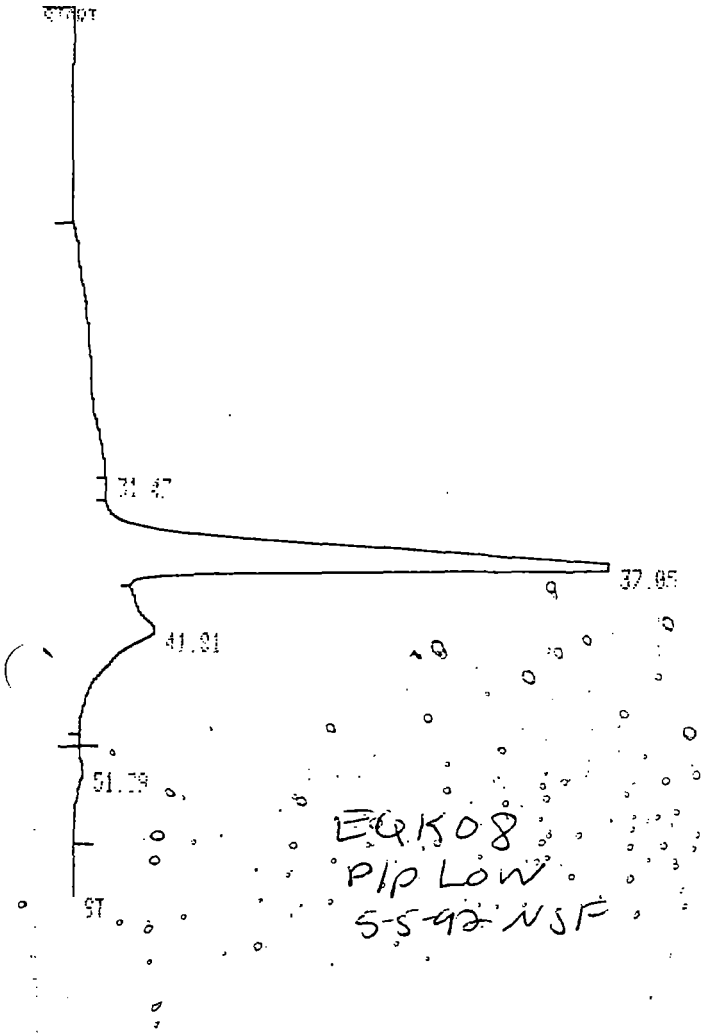
RUN # 19

AREA%

RT	AREA	TYPE	AR/HT	AREA%
37.30	2.6341E+07	BV	2.386	60.550
39.40	4367900	VV	1.461	10.040
41.99	1.2794E+07	VB	2.846	29.410

TOTAL AREA= 4.3503E+07
MUL FACTOR= 1.0000E+00

START



RUN # 20

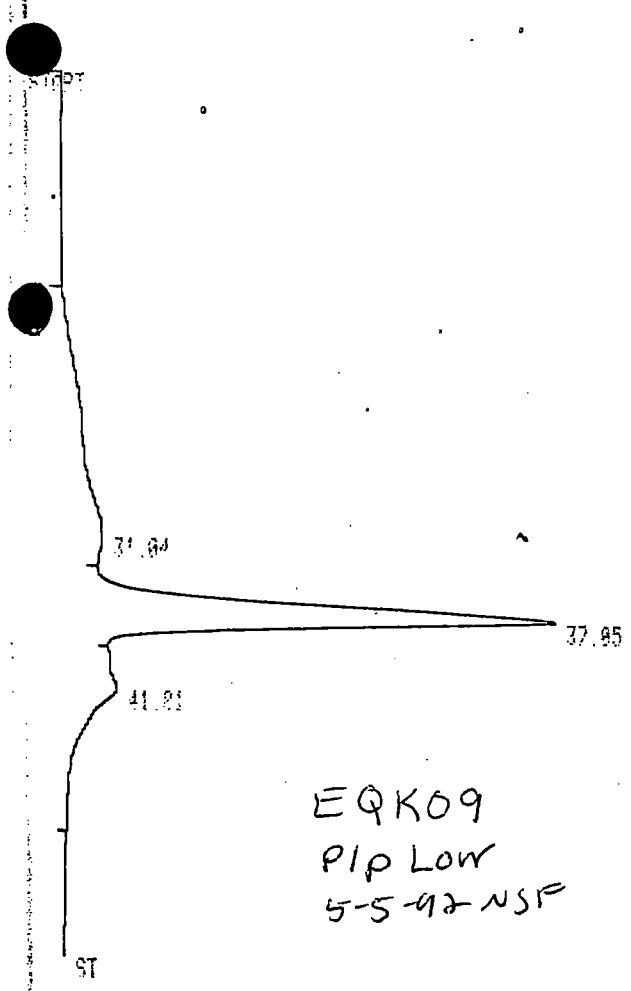
AREA%

RT	AREA	TYPE	AR/HT	AREA%
31.47	3338500	BV	8.514	15.283
37.09	1.5775E+07	VV	1.918	62.809
41.81	5359500	VV	4.662	21.339
51.39	143010	BB	1.703	0.569

TOTAL AREA= 2.5116E+07
MUL FACTOR= 1.0000E+00

RT	AREA	TYPE	AR/HT	AREA%
31.47	3838500	BV	8.514	15.283
37.05	1.5775E+07	VV	1.918	62.809
41.81	5359500	VV	4.662	21.339
51.39	143010	BB	1.703	0.569

TOTAL AREA= 2.5116E+07
MUL FACTOR= 1.0000E+00



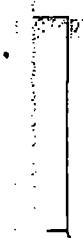
EQK09
P/P Low
5-5-92 NSF

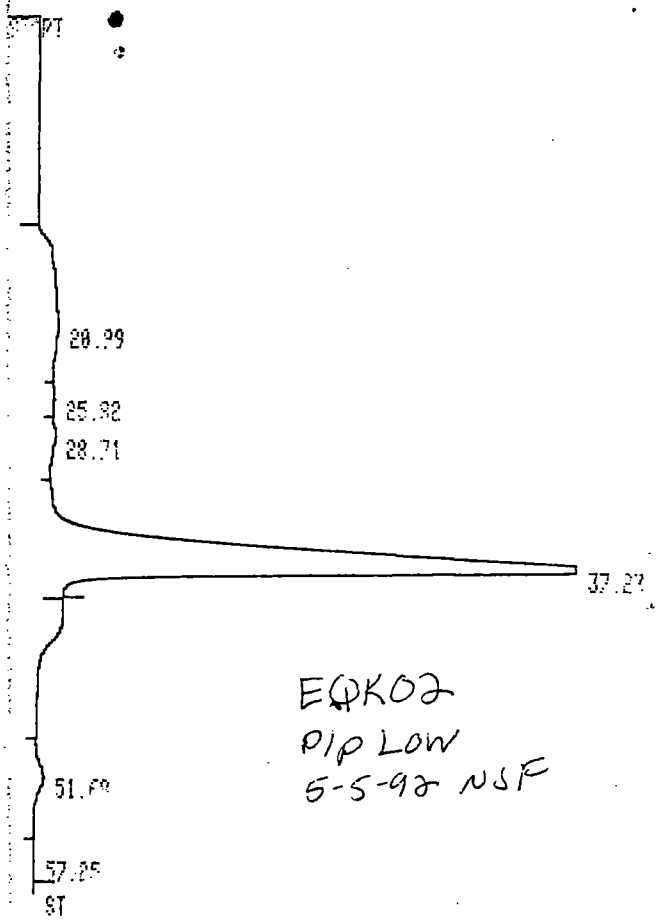
RUN # 21

AREA%

RT	AREA	TYPE	AR/HT	AREA%
31.04	5826100	BV	9.990	24.417
37.05	1.7726E+07	VV	1.930	57.525
41.81	4308600	VV	5.458	18.058

TOTAL AREA= 2.3861E+07
MUL FACTOR= 1.0000E+00



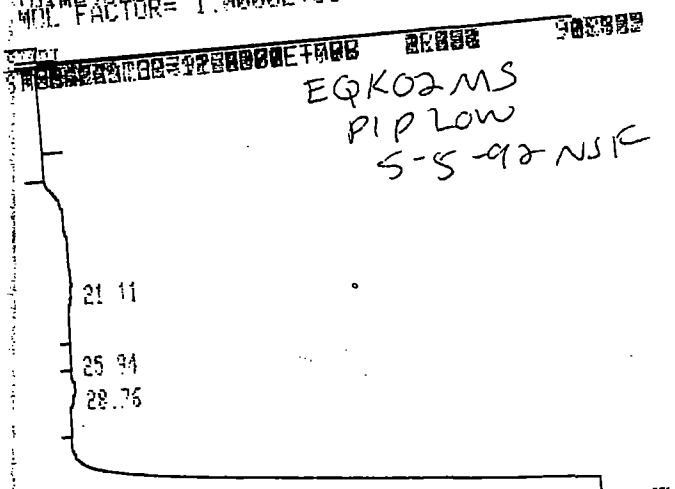


EQK02
PIP LOW
5-5-92 NSF

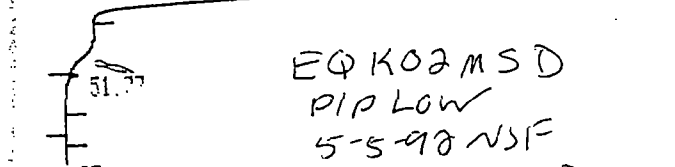
PUN # 02

AREA#		AREA TYPE	AR/HT	AREA%
20.99	1551600	BV	2.[illegible]	[illegible]
25.92	252540	VV	1.[illegible]	[illegible]

TOTAL AREA= 3[illegible]E+08
MUL FACTOR= 1.0000E+00



EQK02MS
PIP LOW
5-5-92 NSF



EQK02MSD
PIP LOW
5-5-92 NSF

RUN # 04

AREA#		AREA TYPE	AR/HT	AREA%
21.11	[illegible]	[illegible]	[illegible]	[illegible]
25.94	2.1[illegible]	[illegible]	[illegible]	[illegible]

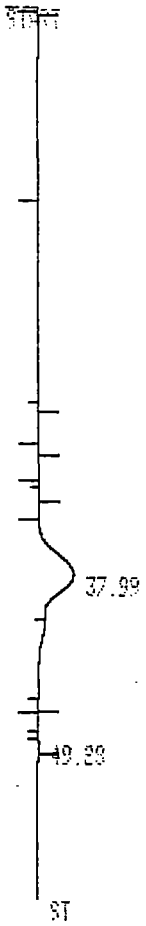
TOTAL AREA= 2.[illegible]E+08

WADSWORTH/ALERT LABORATORIES

GPC CLEAN UP

ANALYST NJF DATE 5-6-92

RUN NUMBER	SAMPLE NUMBER	COMMENTS
74	Cal. Fluid	Weekly calibration
54	PCB ✓ soln.	↓
55	Pest ✓ soln.	↓
		5-6-92 NJF



SBIK III
BNA LOW
5-11-92 NJF

RUN # 27

AREA%

RT	AREA	TYPE	AR/HT	AREA%
37.99	1538300	BV	2.938	99.775
49.28	3476	D VB	0.307	0.225

TOTAL AREA= 1542300
MUL FACTOR= 1.0000E+00

001144

Temp. 108°C
5-11-92 NJF

WADSWORTH/ALERT LABORATORIES, INC.

pH & MOISTURE LOGSHEET

Date	Sample ID	Client	pH	Sample Wet	Sample Dry	Diff.	% Moist	Weight of Pan	Analyst Initials
5-11-92	60014	CØ142	8.95	5.51g	4.11g	1.40g	31.67	1.09g	NJF
	60016		10.35	5.66g	3.22g	2.44g	53.16	1.07g	
	60017		10.26	5.81g	2.77g	3.04g	64.14	1.07g	
	60020		6.66	5.23g	4.43g	0.80g	19.18	1.06g	
	60112	039934	7.55	5.30g	4.61g	0.69g	16.35	1.08g	
	60114 5-11-92 NJF		6.88	5.01g	4.50g	0.51g	12.98	1.08g	
	60350		7.14	5.40g	2.09g	3.31g	76.62	1.08g	
	60352		7.13	5.31g	1.99g	3.32g	78.67	1.09g	
	60354		6.70	5.02g	3.91g	1.11g	28.24	1.09g	
	60355		7.34	5.49g	3.04g	2.45g	55.43	1.07g	
	60652		7.12	5.87g	4.39g	1.48g	33.11	1.10g	
	60655		6.55	5.72g	2.33g	3.39g	73.06	1.08g	
	60658		7.21	5.64g	4.68g	0.96g	21.15	1.09g	
	60663		7.00	5.71g	4.15g	1.56g	33.69	1.08g	
	60015	CØ142		5.19g	5.03g	0.16g	3.90	1.09g	
	60018			5.33g	3.34g	1.99g	46.71	1.07g	
	60019			5.44g	4.44g	1.00g	22.94	1.08g	
	60021			5.41g	4.01g	1.40g	32.26	1.07g	
	60022			5.94g	4.10g	1.84g	37.86	1.08g	
	60023			5.20g	3.45g	1.75g	42.48	1.08g	
	60024			5.18g	3.27g	1.91g	46.59	1.08g	

5-11-92 NJF

Wadsworth/ALERT Laboratories, Inc.

Instrument : Incos 50-2

GC/MS VOA Run Log

Temperature Program

Date : 1/20

Case :

Column	BFB	Analysis	Purge & Trap
Type: DB624	35 °C for 0.1 min	10 °C for 1 min	Trap: 6 SV
Length: 30 m	to 200 °C @ 20 °C/min	to 110 °C @ 6 °C/min	Purge: 11 min
I.D. 53 mm	hold ___ min	hold ___ min	Desorb: 1 min @ 180 °C
Flow rate: 15 mL/L			Bake: 10 min @ 200 °C

Auto num	Sample ID lot.sample#	Client	File name	Amt purged	Sample Prep	comments	Analyst
	BFB		79 ng -67 BFB6246	5 ml		Direct Inj (745)	TP
1	VOC Std		VOC 2291	100 ml			
1			VOC 2292	50 ml			
2			VOC 2293	100 ml	Blank Spike	100326	
3			VOC 2294	50 ml		10 ug SPC -7240	
4			VOC 2295	25 ml			
5			VOC 2296	100 ml			
5	Blank	VBLK1	VOC 2297	5 ml		ok	
6	57241-102		VOC 2298	10 ml		@ 2.5 ml	
7	57242-102	X4204	VOC 2299	10 ml		ok	
8	57142-103		VOC 2300	5 ml		ok	
9	57146-104		VOC 2301	5 ml		ok	
10	57150-101		VOC 2302	5 ml		ok	
11	57152-101		VOC 2303	5 ml		ok	
12	57157-102		VOC 2304	5 ml		ok	
13	57159-101		VOC 2305	5 ml		OK	
14	57162-102		VOC 2306	5 ml		OK	
15	57164-101		VOC 2307	5 ml		OK	
16	57165-101		VOC 2308	5 ml		OK	
1	57241-102		VOC 2309	2.5 ml		@ 3 ml	
2	57142-102MS		VOC 2310	5 ml + 20 ml		ok	
3	57142-102MSD		VOC 2311	5 ml + 20 ml		ok	
4	57243-101	HW Blank	VOC 2312	5 ml	Holden Blank	OK	

001146

TRAFFIC REPORT

SDG NARRATIVE

Wadsworth/ALERT Laboratories, Inc.

Instrument : Incos 50-2

GC/MS VOA Run Log

Date : 5-1-92
Case : _____

21
72
77

Column

Type: DB624
Length: 30 m
I.D. 53 mm
Flow rate: 1.5 mL/L

BFB

[illegible] °C for 1 min
to [illegible] °C @ [illegible] °C/min
hold ___ min

Analysis

[illegible] °C for 4 min
to [illegible] °C @ [illegible] °C/min
hold ___ min

Purge & Trap

Trap: 624
Purge: 11 min
Desorb: 4 min @ 180 °C
Bake: 10 (min) min @ 200 °C

Auto num	Sample ID lot#,sample#	Client	File name	Amt purged	Sample Prep	comments	Analyst
	BFB		[illegible]	[illegible]		[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	
2	BLANK	[illegible]	21	5mL		ok	
3	60172-102		22	5mL/5mL		ok	
4	60173-102		23			ok	
5	60426-102		24			ok	
6	60427-102		V02525			ok	
7	60430-102		26	5mL/5mL		ok	
8	60431-102		27			ok	
9	60434-102		28			ok	
10	60438-102		29			ok	
11	60439-102		V02530	5mL/5mL		ok	
12	60441-102		31			ok	
13	60304-102 150	EDK26	32		4-30	ok	
14	60304 ms 150	EDK26 ms	33		4-30 + 25 ug cup	ok	
15	60304 msd 150	EDK26 msd	34	5mL/5mL	4-30	ok	
16	60305-102	EDK27	[illegible]		4-30	ok	
1	60306-102	EDK28	36		4-30	ok	
2	60307-102	EDK29	37	5mL/5mL	4-30	ok	
3	[illegible]						

Wadsworth/ALERT Laboratories, Inc.

Instrument : Incos 50-1

CLP GC/MS VOA Run Log

Temperature Program

Date : [illegible]
Case : _____

Column
Type: RTX 502.2
Length: [illegible] m
I.D. [illegible] mm
Flow rate: [illegible]

BFB
[illegible] °C for [illegible] min
to [illegible] °C @ [illegible] °C/min
hold ___ min

Analysis
[illegible] °C for [illegible] min
to [illegible] °C @ [illegible] °C/min
hold [illegible] min

Purge & Trap
Trap: [illegible]
Purge: 11 min
Desorb: 4 min @ 180 °C
Bake: 10 min @ 200 °C

Auto num	Sample ID lot#.sample#	Client	File name	Amt purged	Sample Prep	comments	Analyst
	BFB		[illegible] BFB960 I	[illegible] 50ng		Direct Inject 1332	TP
1	VOC SH		VOI 3290	25ng		[illegible]	
14			VOI 3291	100ng			
15			VOI 3292	200ng		VOI 29 I (A)	
16			VOI 3293	100ng		m for 3/5c + [illegible]	
1	—		VOI 3294	50ng			
2	Blank	VSU41	VOI 3295	5mls		[illegible]	
3	Matrix Blank		VOI 3296	5g / 5mls		HI TCA	
4	59226-103	EMS55	VOI 3297	5g	4-24	ok	
5	59222-103	EMZ96	VOI 3298	5g		ok	
6	59223-103		VOI 3299	5g		(R) ISI	
7	59224-103	EMZ98	VOI 3300	5g		ok	
8	59225-103	EMZ99	VOI 3301	5g		ok	
9	59226-103 MS	EMS55MS	VOI 3302	5g + 25ng		ok	
10	59226-103 MSD	EMS55MSD	VOI 3303	5g + 25ng		ok	
			VOI 3304				
			VOI 3305				
			VOI 3306				

Wadsworth/ALERT Laboratories, Inc.

Instrument : Incos 50-1

CLP GC/MS VOA Run Log

Temperature Program

Date : 5/1/92
Case :

Column
Type: RTX 502.2
Length: 60 m
I.D. 53 mm
Flow rate: 15 mL

BFB
22 °C for 01 min
to 220 °C @ 20 °C/min
hold ___ min

Analysis
40 °C for 12 min
to 210 °C @ 10 °C/min
hold 0 min

Purge & Trap
Trap: 001
Purge: 11 min
Desorb: 4 min @ 180 °C
Bake: 10 (min) min @ 200 °C

Auto num	Sample ID lot#,sample#	Client	File name	Amt purged	Sample Prep	comments	Analyst
	[redacted]	[redacted]	220 222-200	[redacted]	[redacted]	[redacted]	TP
	[redacted]	[redacted]		[redacted]	[redacted]	[redacted]	
	[redacted]	[redacted]	VCI 3322	5ml/s		ok	
2	[redacted]	[redacted]	VCI 3323	5g/5ml/s		ok	
3	60112-104		VCI 3324	5g		(R) IS↓	
4	60114-104		VCI 3325	TP 5/1/92 1g		ok - IS↓	
	[redacted]	[redacted]		[redacted]	4 29	ok 32	2
	[redacted]	[redacted]		[redacted]	4 29	ok 4	
	[redacted]	[redacted]	[redacted]	[redacted]	4 29	ok 53	
	[redacted]	[redacted]	[redacted]	[redacted]	4 29	ok 64	
	[redacted]	[redacted]	[redacted]	[redacted]	4 29	ok 47	
	[redacted]	[redacted]	[redacted]	[redacted]	4 29	ok 23	
	[redacted] LSD	[redacted]	[redacted]	[redacted]	4 29	ok 19	
	[redacted]	[redacted]	[redacted]	[redacted]	4 29	ok 33	
	[redacted]	EQK05		[redacted]	[redacted]	[redacted] 38	
14	60023-101		VCI 3335	5g		ok SS	
	[redacted]	[redacted]		[redacted]	4 29	ok 46	
	60112-104		VCI 3337	5g		ok	

001149

Wadsworth/ALERT Laboratories, Inc.

Instrument : Incos 50-1

CLP GC/MS VOA Run Log

Temperature Program

Date : 5/6/92
Case : _____

Column	BFB	Analysis	Purge & Trap
Type: RTX-502.2	70 °C for 2.1 min	40 °C for 12 min	Trap: Tenax
Length: 60 m	to 200 °C @ 20 °C/min	to 190 °C @ 10 °C/min	Purge: 11 min
I.D. 53 mm	hold ___ min	hold 6 min	Desorb: 4 min @ 180 °C
Flow rate: 1.5 ml/min			Bake: 10 (min) min @ 200 °C

Auto num	Sample ID lot#.sample#	Client	File name	Amt purged	Sample Prep	comments	Analyst
	[redacted]		220 322-22 [illegible]	[redacted]		[redacted]	TP
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]		[redacted]	
[redacted]	[redacted]		[redacted] 3339	5 mls		[illegible]	
[redacted]	[redacted]	[redacted]	VOI 3340	5g / 5 mls		[illegible]	
3	60020 -103MS		VOI 3341	5g / 25g		FSL	
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]		[redacted]	19
[redacted]	[redacted]	[redacted]	[redacted]	5g		[redacted]	42
6	60350 -104		VOI 3344	1g		R1	
7	60352 -104		VOI 3345	5g		R2	
8	60354 -104	Q	VOI 3346	5g		R3	
9	60355 -104		VOI 3347	2.5g		[illegible]	
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]		[redacted]	19
11	60655 -104		VOI 3349	5g			
12	60352 -104		VOI 3350	1g			
13	60352 -104		VOI 3351	2g			
14	60354 -104		VOI 3352	3g			
15	60657 -104		VOI 3353	5g			
16	60663 -104		VOI 3354	5g			

Wadsworth/ALERT Laboratories, Inc.

Extrel #3 Daily Run Log

30291 page 26

001151

DFTPP: 60 °C, 25 °C/min, 300 °C

BNA: 40 °C 3 min, 10 °C/min, 5 min 300 °C

GC parameters
Injection temp : 275 °C
Volume inj : 1uL
Splitter flow : 40 mL/min
Column pressure : 7.5 psi
Column flow : cm/sec
Interface Temp : 300 °C

MS parameters
Tune:[301,200]T 0507
PTA cal date: 0507
EM setting : 1.28
PIO setting :
Ionizer temp : 200 °C

Date : 5/7/92
DRO:/DR2: [301,3]
Tape # 1067
Date deleted
Quan Library: EPABNA
FD-2.00 MX-08.00

Filename	A.S. num	other ID lot#,sample#	Client	Sample prep	Diln Factor	Comments	Analyst
3DF0507B		25ng DFTPP SN594				OK (10:10)	JH
3BNL0507B		25ng BNA SN012				OK Jul 5/7/92	
5BLK1		90430		4/30 1L→1mL	ST	OK Case# 190230 SDG EQK01	
EQK26		60304				OK	
EQK26MS		60304MS				OK	
EQK26MD		60304MSD				OK	
EQK27		60305				OK	
EQK28		60306				OK	
5BLK2		92504		5/4 30g→.5mL		OK	
EQK01		60014				OK rext (50/100)	
EQK08		60016				OK rext	
EQK09		60017				MS. error rerun 50/100	
EQK02		60020					
EQK02MS		60020MS					
EQK02MD		60020MSD					

Wadsworth/ALERT Laboratories, Inc.

Extrel #3 Daily Run Log

30292

001152

DFTPP: 60 °C (25 °C/min) 300 °C

BNA: 40 °C 3 min (10 °C/min) 5 min 300 °C

GC parameters
Injection temp : 275 °C
Volume inj : 1uL
Splitter flow : 40 mL/min
Column pressure : 7.5 psi
Column flow : cm/sec
Interface Temp : 300 °C

MS parameters
Tune:[301,200]T 0508
PTA cal date: 0508
EM setting : 1.28
PIO setting :
Ionizer temp : 200 °C

Date : 5/8/92 (1001)
DR0/DR2: [301, 4]
Tape # 1067
Date deleted
Quan Library: EPABNA
FD-1.58 MX-27.00

Filename	A.S. num	other ID lot*,sample*	Client	Sample prep	Dilu Factor	Comments	Analyst
3DT0508		25ppm DFTPP SW514				OK	SK
3SMT0508		25ppm BNA SW612				OK del TH 5/11/92	
EQK01R		60014		5/4 30g→.5mL	50/100	OK text Case# 19036 SDG EQK01	
EQK01R		60017			50/100	OK text	
EQK02		60020			5T	OK	
EQK02MS		60020MS				OK	
EQK02MD		60020MSD				OK	

WADSWORTH/ALERT
Laboratories

INSTRUMENT: EXTREL #3 DATE: 5/15/92 PAGE: 4

DRIVE: DUO

GC/MS SEMI-VOLATILE RUN LOG

UIC: [7]

COLUMN
TYPE: DB5.625
LENGTH: 30m
ID: .32 mm
FILM THICKNESS: .5 MICRONS

ANALYSIS
40 deg. C for 1.5 min.
to 320 deg. C @ 11.5 deg. C/min
hold for 3 min.

CASE NO. 19026
SDG NO. EQK01
TUNE: 0515A
CAL: 0515A
TAPE NO:
DATE DEL:

00142

F.O. = 2.20 E.T. = 29.00

30294

FILE NAME	LAB ID.	SAMPLE PREP.	D.F.	QUAL	COMMENTS	ANALYST
3DF0515	25 ppm DFTPP SV594			OK	7.44	JH
3SMLO515	25 ppm BNA SV612			OK	Cal STD. Checked By:	
SBLK3	92508	5/8 30g → 5mL	ST	OK		
EQK01RE	60014		ST	OK		
EQK08RE	60016		ST	Rerun	Power failure	
EQK09RE	60017		ST	Rerun		JH
		5/15/92 JH				

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WADSWORTH/ALERT
Laboratories

INSTRUMENT: EXTREL #3 DATE: 5/18/92 PAGE: 5

DRIVE: DUO

GC/MS SEMI-VOLATILE RUN LOG

UIC: [10]

COLUMN	ANALYSIS		
TYPE: DB5.625	40 deg. C for 1.5 min.	CASE NO. 19026	TUNE: 0518C
LENGTH: 30m	to 320 deg. C @ 11.5 deg. C/min	SDG NO. EQK01	CAL: 0518
ID: 0.32 mm	hold for 3 min.		TAPE NO:
FILM THICKNESS: 0.5 MICRONS		F.D. = 2:18 E.T. = 29:00	DATE DEL: 30295

FILE NAME	LAB ID.	SAMPLE PREP.	D.F.	QUAL	COMMENTS	ANALYST
3DF0518A	25 ppm DFLPP #SV594			ok	(12:53)	TH
TH 5/18 3SML0518A	~~30~~ 25 ppm BNA #SV612			ok	Cal STD. OK Checked By: MU 5-19-92	↓
EQK0ERE	60016	5/8 30 g / .5 ml	st.	Reach	IS out	↓
EQK09RE	60017	5/8 30 g / .5 ml	st	Rerun	IS out	TH

001154

WADSWORTH/ALERT
Laboratories

INSTRUMENT: EXTREL #3 DATE: 5/19/92 PAGE: 8

DRIVE: DUO

GC/MS SEMI-VOLATILE RUN LOG

UIC: (1/1)

COLUMN
TYPE: DB5.625
LENGTH: 30m
ID: 0.32 mm
FILM THICKNESS: 0.5 MICRONS

ANALYSIS
40 deg. C for 1.5 min.
to 320 deg. C @ 11.5 deg. C/min
hold for 3 min.

CASE NO. 19026
SDG NO. EGK01

TUNE: 0519A
CAL: 0519A
TAPE NO:
DATE DEL:

F.D. = 2:18 E.T. = 29:00 30296

FILE NAME	LAB ID.	SAMPLE PREP.	D.F.	QUAL	COMMENTS	ANALYST
3DF0519	25 ppm DFTPP #SV 594			ok	(12:21)	TH
3SML0519	25 ppm BNA #SV 612				Cal STD. OK Checked By: MU 5-20-92	
EGK08RE	60016	5/8 30g/.5 ml	st.	OK	IS out 2X	
EGK09RE	60017	5/8 30g/.5 ml	st.	OK	SS out	TH

Wadsworth/ALERT Laboratories, Inc.

GC Instrument Log

Semivolatiles: Pest / PCB / Herb / TPH / CLP Instrument ID: HP5890XA

GC Parameters

Injector: 250 °C Init Temp: 150 °C Final Temp: 165/265 °C

Detector: 350 °C Init Time: 0.5 Min. Final Time: 5/8 Min.

Detector Type: ECD/FID Rate: 3/5 °C/Min. Column: ~~DB-5/DB-608~~ RTX1701 MP 5/14/92

Sample ID	File	Date mo/dd/yr	Diln	Inj/Amt µl/ng	Comments	Analyst
RESCA1	XA512003	5/13/92	—	1 µl	INITIAL CAL. 5/13/92	MP/SKG
PEMA1	004					
AR1660A1	005					
AR1221	006					
AR1232A1	007					
AR1242A1	008					
AR1248A1	009					
AR1254A1	010					
TOXAPHA1	011					
INDALA1	012					
INDBLA1	013					
INDAMA1	014	5/14/92				
INDBMA1	015					
INDAHA1	016					
INDBHA1	017					
						MP 5/14/92

Wadsworth/ALERT Laboratories, Inc.

GC Instrument Log

Semivolatiles: (Pest /PCB) / Herb / TPH / CLP Instrument ID: HP5890XB

GC Parameters

Injector: 250 °C Init Temp: 150 °C Final Temp: 165/265 °C

Detector: 350 °C Init Time: 0.5 Min. Final Time: 5/8 Min.

Detector Type: (ECD)/FID Rate: 3/5 °C/Min. Column: ~~DB-5/DB-608~~ RTX5 MP 5/14/92

Sample ID	File	Date mo/dd/yr	Diln	Inj/Amt µl/ng	Comments	Analyst
RESCB1	XB512003	5/13/92	—	1ul	INITIAL CAL. 5/13/92	MP/JKG
PEMB1	004					
AR1660B1	005					
AR1221	006					
AR1232B1	007					
AR1242B1	008					
AR1248B1	009					
AR1254B1	010					
TOXAPHB1	011					
INDALB1	012					
INDBLB1	013					
INDAMB1	014	5/14/92				
INDBMB1	015					
INDAHB1	016					
INDBHB1	017					

MP 5/14/92

Wadsworth/ALERT Laboratories, Inc.

GC Instrument Log

Semivolatiles: (Pest / PCB) / Herb / TPH / CLP Instrument ID: HP5890XA

GC Parameters

Injector: 250 °C Init Temp: 150 °C Final Temp: 165/265 °C

Detector: 350 °C Init Time: 0.5 Min. Final Time: 5/8 Min.

Detector Type: (ECD) / FID Rate: 3/5 °C/Min. Column: ~~DB-5/DB-608~~ RTX1701 MP 5/20/92

Sample ID	File	Date mo/dd/yr	Diln	Inj/Amt µl/ng	Comments	Analyst
PIBLKX9	XA518002	5/18/92	—	1 ul	CASE 19026	MP/JKG
PEMA7	003				SDG EQK01	
22222	004					
22222	005					
22222	006					
22222	007					
PBLKI	008					
EQK26	009					
EQK26MS	010					
EQK26MSD	011	5/19/92				
22222	012					
22222	013					
PIBLKX10	014					
INDAMAS	015					
INDBMAS	016					
EQK27	017					
EQK28	018					
GPCCK92504PC MP 5/20/92	019					
GPCCK92504PE	020					
PBLKII	021					
EQK01DL	022		1:10			
EQK01	023		—			
EQK08	024					
22222	025					
22222	026					

Wadsworth/ALERT Laboratories, Inc.

GC Instrument Log

Semivolatiles: (Pest /PCB) / Herb / TPH / CLP Instrument ID: HP5890XB

GC Parameters

Injector: 250 °C Init Temp: 150 °C Final Temp: 165/265 °C

Detector: 350 °C Init Time: 0.5 Min. Final Time: 5/8 Min.

Detector Type: (ECD)/FID Rate: 3/5 °C/Min. Column : ~~DB 5/DB 608~~ RTX5 MP 5/20/92

Sample ID	File	Date mo/dd/yr	Diln	Inj/Amt µl/ng	Comments	Analyst
PIBLKX9	XB518002	5/18/92	—	1 ul	CASE 19026	MB/JKG
PEMB7	003				SDG EQK01	
22222	004					
22222	005					
22222	006					
22222	007					
PBLKI	008					
EQK26	009					
EQK26MS	010					
EQK26MSD	011	5/19/92				
22222	012					
22222	013					
PIBLKX10	014					
INDAMB5	015					
INDBMB5	016					
EQK27	017					
EQK28	018					
GPCCK92504PC	019					
GPCCK92504PE	020					
PBLKII	021					
EQK01DL	022		1:10			
EQK01	023		—			
EQK08	024					
22222	025					
22222	026					

Wadsworth/ALERT Laboratories, Inc.

GC Instrument Log

Semivolatiles: Pest / PCB / Herb / TPH / CLP Instrument ID: HP5890XA

GC Parameters

Injector: 250 °C Init Temp: 150 °C Final Temp: 165/265 °C

Detector: 350 °C Init Time: 0.5 Min. Final Time: 5/8 Min.

Detector Type: ECD/FID Rate: 3/5 °C/Min. Column: ~~DB-5/DB-608~~ RTx1701 MP 5/20/92

Sample ID	File	Date mo/dd/yr	Diln	Inj/Amt µl/ng	Comments	Analyst
PIBLKX11	XA518027	5/19/92	–	1 µl	CASE 19026	MP/JKL
PEMA8	028				SDG EQK01	
EQK09	029					
EQK02	030					
EQK02MS	031					
EQK02MSD	032					
22222	033					
22222	034					
PIBLKX12	035					
INDAMA6	036					
INDBMA6	037					

MP 5/20/92

Wadsworth/ALERT Laboratories, Inc.

GC Instrument Log

Semivolatiles: Pest / PCB / Herb / TPH / CLP Instrument ID: HP5890XB

GC Parameters

Injector: 250 °C Init Temp: 150 °C Final Temp: 165/265 °C

Detector: 350 °C Init Time: 0.5 Min Final Time: 5/8 Min.

Detector Type: ECD/FID Rate: 3/5 °C/Min. Column: ~~DB-5/DB-608~~ RTx5 MP 5/20/92

Sample ID	File	Date mo/dd/yr	Diln	Inj/Amt µl/ng	Comments	Analyst
PIBLKX11	XB518027	5/19/92	—	1 ul	CASE 19026	MP/JKG
PEMB58	028				SDG EQK01	
EQK09	029					
EQK02	030					
EQK02MS	031					
EQK02MSD	032					
22222	033					
22222	034					
PIBLKX12	035					
INDBMB6 MP 5/20/92	036					
INDBMB6	037					

MP 5/20/92

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001162

Client: C0142

Case Number/SDG: 19026 / EQK01

Storage Location: VOCCLP

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date & Time Entered
60014-1	JJ	4-29-92 1255	X		Storage	
60015-1						
60015-2						
60016-1						
60017-1						
60018-1						
60018-2						
60019-1						
60019-2						
60020-1						
60021-1						
60021-2						
60022-1						
60022-2						
60023-1						
60023-2						
60024-1						

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001163

Client: C0142

Case Number/SDG: 19026 / EQK01

Storage Location: VOCCLP

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date & Time Entered
60024-2	JP	4-29-92 1255	X		Storage	
60025-1						
60025-2						

JP 4-29-91

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001164

Client: C0142

Case Number/SDG: 19026 /EQK01

Storage Location: VOCCLP

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date and Time Returned
60304-1	JP	4-30-92 1110	X		Storage	
60304-2						
60304-3						
60304-4						
60304-5						
60304-6						
60305-1						
60305-2						
60306-1						
60306-2						
60307-1						
60307-2						

JP 4-30-92

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

Client: CO142

Case Number/SDG: 19026/EQK01

Storage Location: Extractions

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date and Time Returned
60015	SLA	5-5-92	X		% moisture	
60018	↓	↓	X		↓	
60019	↓	↓	X		↓	
60021	↓	↓	X		↓	
60022	↓	↓	X		↓	
60023	↓	↓	X		↓	
60024	↓	↓	X		↓	

001165

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001166

Client: C0142

Case Number/SDG: 190226 / EQK01

Storage Location: GC/MS VOA

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date and Time Returned
60014	JP/[illegible]	5/1/92 1040		X	analysis	5/1/92 1220
60015				X		
60016				X		
60017				X		
60018				X		
60019				X		
60020				X		
60021				X		
60022				X		
60023				X		
60024				X		
60304		5/1/92 2220		X		5/2/92 0015
60305				X		
60306				X		
60307				X		
60020		5/4/92 1040		X		5/4/92 1110
60023				X		
60020		5/4/92 1500		X		5/4/92 1530

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

Client: C0142

Case Number/SDG: 19026 / EQK01

Storage Location: Gc/ms 10A

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date and Time Returned
60025	JP/JL	5/5/92 1005		X	analysis	5/5/92 1100
					5/5/92 JP/JL	

001167

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001168

Client: C0142

Case Number/SDG: 19026 / EQK01

Storage Location: CAGE-2

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date & Time Entered
60014-2	JP	4-29-92 1255	X		Storage	
60014-3						
60016-2						
60016-3						
60017-2						
60017-3						
60020-2						
60020-3						

JP 4-29-92

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001169

Client: C0142

Case Number/SDG: 19026 /EQK01

Storage Location: CAGE-2

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date and Time Returned
60304-7	JP	4-30-92 1110	X		Storage	
60304-8						
60304-9						
60304-10						
60305-3						
60305-4						
60306-3						
60306-4						

JP 4-30-92

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001170

Client: C0142

Case Number/SDG: 19026 / EQ1501

Storage Location: CLP CAGE

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date and Time Returned
60304		4-30-92 1:00 p.m.		X	BNA, P/P Liq/Liq	4-30-92 4:00 p.m.
60305	⊥	⊥		⊥	⊥	⊥
60306	⊥	⊥		⊥	⊥	⊥
						4-30-92

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001171

Client: C0142

Case Number/SDG: 19026/EQK01

Storage Location: CLP CAGE

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date and Time Returned
60014	CN	5-4-92 10:00am		X	BNA, Plp Low Level	5-4-92 6:00pm
60016						
60017						
60020						
						5-4-92 CN

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001172

Client: C0142

Case Number/SDG: 19026/EQK01

Storage Location: Extractions CLP Fridge

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date and Time Returned
90430 P/R Flots	NJF	5-1-92 9:00a.m.	X	5-1-92 11:00a.m.	store for Florisil	
60304						
60304MS						
60304MSD						
60305						
60306						
						5-1-92 NJF

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001173

Client: CØ142

Case Number/SDG: 19026/EQK01

Storage Location: Extractions CLP Fridge

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date and Time Returned
92504 PlpLows	NJF	5-4-92 6:00 p.m.	X	5-5-92 4:00 p.m.	store for GPC/Florisil	
60014						
60016						
60017						
60020						
60020MS						
60020MSD						
						5-4-92 NJF

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001174

Client: CØ142

Case Number/SDG: 19026/EQK01

Storage Location: Extractions CLP Fridge

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date and Time Returned
92504 BNALOWS	NJF	5-4-92 5:00 p.m.	X	5-4-92 7:00 p.m.	store for GPC	
60014						
60016						
60017						
60020						
60020MS						
60020MSD						
						5-4-92 NJF

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001175

Client: C0142

Case Number/SDG: 19026/EQK01

Storage Location: Semi-Volatiles CLP Fridge

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date and Time Returned
90430 BNA H_2O's	NJF	5-1-92 10:30 a.m.	X		submitted for analysis	
60304						
60304MS						
60304MSD						
60305						
60306						
						5-1-92 NJF

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001176

Client: C0142

Case Number/SDG: 19026/EQK01

Storage Location: Semi-Vols. CLP Fridge

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date and Time Returned
92504 BNA Laws	NJF	5-6-92 10:00 a.m.	X		submitted for analysis	
60014						
60016						
60017						
60020						
60020MS						
60020MSD						
						5-6-92 NJF

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001177

Client: C0142

Case Number/SDG: 19026 / EQK01

Storage Location: SV FRIDGE

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date and Time Returned
90430	JS	5-7-92 11:00		X	Analyze Samples	5-7-92 11:30
60304						
60304MS						
60304MSD						
60305						
60306						
92504						
60014						
60016						
60017						
60020						
60020MS						
60020MSD						
60014		5-8-92 8:30				5-8-92 9:00
60017						
60020						
60020 MS						
60020MSD						

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001178

Client: CØ142

Case Number/SDG: 19026/EQK01

Storage Location: Pesticides CLP Fridge

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date and Time Returned
90430 8 pkt's	NJF	5-1-92 7:30 p.m.	X		submitted for analysis	
60304						
60304MS						
60304MSD						
60305						
60306						
						5-1-92 NJF

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001179

Client: CØ142

Case Number/SDG: 19026/ EQK01

Storage Location: P/P CLP Refrig.

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date and Time Returned
92504 P/P LOWS	NJF	5-8-92 5:00 p.m.	X		submitted for analysis	
60014						
60016						
60017						
60020						
60020MS						
60020MSD						
						5-8-92 NJF

WADSWORTH/ALERT LABORATORIES

SAMPLE CONTROL RECORD

001180

Client: C0142

Case Number/SDG: 19026 / EQK01

Storage Location: P/P REFRIG

Laboratory Sample Number	Transferred By	Date and Time	Entered	Removed	Reason	Date & Time Entered
90430	JKG	5/18/92 4:30		Y	ANALYSIS	5/18/92 5:30
60304						
60304MS						
60304MSD						
60305						
60306						
92504						
60014						
60016						
60017						
60020						
60020MS						
60020MSD						
						JKG 5/18/92

SHIPPING/RECEIVING DOCUMENTS

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL
PACKAGE
TRACKING NUMBER 2271398651

2271398651

Date 4/20/92

RECIPIENT'S COPY

1 From (Your Name) Please Print: Jane Capp

Your Phone Number (Very Important): (513 241-1470

Company:

Department/Floor No.:

Street Address:

City:

State:

ZIP Required:

2 To (Recipient's Name) Please Print: Denise Allen

Recipient's Phone Number (Very Important): (216 457-9

Company: Wellman Hart Laboratories Inc.

Department/Floor No.:

Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): 4101 Chaffee Drive, NW

City: North Canton

State: OH

ZIP Required: 44720

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.): 130 - 002720

H IF HOLD FOR PICK-UP, Print FEDEX Address Here
Street Address:
City:
State:
ZIP Required:

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

4 SERVICES (Check only one box)

Priority Overnight (Delivery by next business morning†)	Standard Overnight (Delivery by next business afternoon†)
11 [1] YOUR PACKAGING	51 [ ] YOUR PACKAGING
16 [ ] FEDEX LETTER *	56 [ ] FEDEX LETTER *
12 [ ] FEDEX PAK *	52 [ ] FEDEX PAK *
13 [ ] FEDEX BOX	53 [ ] FEDEX BOX
14 [ ] FEDEX TUBE	54 [ ] FEDEX TUBE
Economy Two-Day (Delivery by second business day†)	**Government Overnight** (Restricted to authorized users only)
30 [ ] ECONOMY	46 [ ] GOVT LETTER
	41 [ ] GOVT PACKAGE

Freight Service (for Extra Large or any package over 150 lbs.)
70 [ ] OVERNIGHT FREIGHT ** (Confirmed reservation required)
80 [ ] TWO-DAY FREIGHT **

† Delivery commitment may be later in some areas
*Declared Value Limit $100.
**Call for delivery schedule

5 DELIVERY AND SPECIAL HANDLING (Check services required)

1 [ ] HOLD FOR PICK-UP (Fill in Box H)
2 [1] DELIVER WEEKDAY
3 DELIVER SATURDAY (Extra charge) (Not available to all locations) [ ]
4 [ ] DANGEROUS GOODS (Extra charge)
5 [ ]
6 [ ] DRY ICE Lbs
7 [ ] OTHER SPECIAL SERVICE
8 [ ]
9 [ ] SATURDAY PICK-UP (Extra charge)
10 [ ]
11 [ ]
12 [ ] HOLIDAY DELIVERY (If offered) (Extra charge)

6 PACKAGES / WEIGHT In Pounds Only / YOUR DECLARED VALUE

Total / Total / Total

DIM SHIPMENT (Chargeable Weight)
[ ] _____ lbs.
L x W x H = _____

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

Emp. No. Date
☐ Cash Received
☐ Return Shipment
☐ Third Party ☐ Chg. To Del. ☐ Chg. To Hold
Street Address
City State Zip
Received By: X John Gunter
Date/Time Received: 4-21-92 11:00 FedEx Employee Number

7 Release Signature:
FedEx Emp. No. Date/Time

Federal Express Use
Base Charges
Declared Value Charge
Other 1
Other 2
Total Charges

REVISION DATE 6/91
PART #137204 FXEM 2/92
FORMAT #099
099

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001181

001182

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL
PACKAGE TRACKING NUMBER 2271370600

2271370634

RECIPIENT'S COPY

1 Date 4/29/92

From (Your Name) Please Print: CHRIS CARPEL
Your Phone Number (Very Important): (513) 241-0149
Company:
Department/Floor No.:
Street Address:
City:
State:
ZIP Required:

2 To (Recipient's Name) Please Print: Daniel Cramer
Recipient's Phone Number (Very important): (216) 497-9396
Company: Wadsworth/Alert Laboratories, Inc
Department/Floor No.:
Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): 4101 Shuttle Drive, N.W.
City: North Canton
State: OH
ZIP Required: 44720

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.): 030-008920

H IF HOLD FOR PICK-UP, Print FEDEX Address Here
Street Address:
City:
State:
ZIP Required:

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

4 SERVICES (Check only one box)

Priority Overnight (Delivery by next business morning†)	Standard Overnight (Delivery by next business afternoon†)
11 [✓] YOUR PACKAGING	51 [ ] YOUR PACKAGING
16 [ ] FEDEX LETTER *	56 [ ] FEDEX LETTER *
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13 [ ] FEDEX BOX	53 [ ] FEDEX BOX
14 [ ] FEDEX TUBE	54 [ ] FEDEX TUBE
Economy Two-Day (Delivery by second business day†)	**Government Overnight** (Restricted to authorized users only)
30 [ ] ECONOMY	46 [ ] GOVT LETTER
	41 [ ] GOVT PACKAGE

Freight Service (for Extra Large or any package over 150 lbs.)
70 [ ] OVERNIGHT FREIGHT ** (Confirmed reservation required)
80 [ ] TWO-DAY FREIGHT **
† Delivery commitment may be later in some areas.
*Declared Value Limit $100.
**Call for delivery schedule

5 DELIVERY AND SPECIAL HANDLING (Check services required)

1 [ ] HOLD FOR PICK-UP (Fill in Box H)
2 [✓] DELIVER WEEKDAY
3 DELIVER SATURDAY (Extra charge) (Not available to all locations) [ ]
4 [ ] DANGEROUS GOODS (Extra charge)
5 [ ]
6 [ ] DRY ICE ___ Lbs
7 [ ] OTHER SPECIAL SERVICE:
8 [ ]
9 [ ] SATURDAY PICK-UP (Extra charge)
10 [ ]
11 [ ]
12 [ ] HOLIDAY DELIVERY (If offered) (Extra charge)

6 PACKAGES | WEIGHT In Pounds Only | YOUR DECLARED VALUE
1 | 78 | X
Total | Total | Total

DIM SHIPMENT (Chargeable Weight)
[ ] ___ lbs.
L x W x H = ___

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

Emp. No.
Date
[ ] Cash Received
[ ] Return Shipment
[ ] Third Party [✓] Chg. To Del. [ ] Chg. To Hold
Street Address
City State Zip
Received By: X John Graber
Date Time Received: 4-30-92 1000
FedEx Employee Number

7 Release Signature:
FedEx Emp. No.
Date/Time

Federal Express Use
Base Charges
Declared Value Charge
Other 1
Other 2
Total Charges

REVISION DATE 6/91
PART #137204 FXEM 2/92
FORMAT #099
099

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SAMPLE LOG-IN SHEET

Lab Name: WAdsworth Alert Lab Page 1 of 2

Received By (Print Name): John Gruber Log-in Date: 4-29-92

Received By (Signature): John Gruber

Case Number: 19026

Sample Delivery Group No.: EQK01

SAS Number:

REMARKS:

1. Custody Seal(s) Present/Absent* Intact/Broken
2. Custody Seal Nos.: 157429 157430
3. Chain-of-Custody Records Present/Absent*
4. Traffic Reports or Packing List Present/Absent*
5. Airbill Airbill Sticker Present/Absent*
6. Airbill No.: 2271398651
7. Sample Tags Present/Absent* Sample Tag Numbers Listed/Not Listed on Chain-of-Custody
8. Sample Condition Intact/Broken*/Leaking
9. Does information on custody records, traffic reports, and sample tags agree? Yes/No*
10. Date Received at Lab: 4-29-92
11. Time Received: 1110

Sample Transfer

Fraction:	VOA/CLP	BNA/CLP/Pesticide
Area #:	VOCCLP	CAGE
By:		
On:	4-29-92	4-29-92

	CORRESPONDING		
EPA SAMPLE #	SAMPLE TAG #	ASSIGNED LAB #	REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC
EQK01	5-046501-1	60014-1	Intact & ice
EQK01	5-046502-2	60014-2	
EQK01	5-046503-3	60014-3	
EQK04	5-046513-1	60015-1	
EQK04	5-046514-2	60015-2	
EQK08	5-046529-1	60016-1	
EQK08	5-046530-2	60016-2	
EQK08	5-046531-3	60016-3	
EQK09	5-046533-1	60017-1	
EQK09	5-046534-2	60017-2	
EQK09	5-046535-3	60017-3	
EQK10	5-046537-1	60018-1	
EQK10	5-046538-2	60018-2	
EQK11	5-046541-1	60019-1	
EQK11	5-046542-2	60019-2	
EQK02	5-046505-1	60020-1	
EQK02	5-046506-2	60020-2	
EQK02	5-046507-3	60020-3	
EQK03	5-046509-1	60021-1	
EQK03	5-046510-2	60021-2	
EQK05	5-046517-1	60022-1	
EQK05	5-046518-2	60022-2	
EQK06	5-046521-1	60023-1	
EQK06	5-046522-2	60023-2	
EQK07	5-046525-1	60024-1	

* Contact SMO and attach record of resolution

Reviewed By:

Date:

Logbook No.:

Logbook Page No.:

FORM OC-1

SAMPLE LOG-IN SHEET

Lab Name: WAdsworth Alert

Page 2 of 2

Received By (Print Name): John Gruber

Log-in Date: 4-29-92

Received By (Signature):

Case Number: 19026

Sample Delivery Group No.: EQK01

SAS Number:

REMARKS:

1. Custody Seal(s) Present/Absent* Intact/Broken
2. Custody Seal Nos.: 157429 157430
3. Chain-of-Custody Records Present/Absent*
4. Traffic Reports or Packing List Present/Absent*
5. Airbill Airbill/Sticker Present/Absent*
6. Airbill No.: 2271398651
7. Sample Tags Present/Absent*
   Sample Tag Numbers Listed/Not Listed on Chain-of-Custody
8. Sample Condition: Intact/Broken*/Leaking
9. Does information on custody records, traffic reports, and sample tags agree? Yes/No*
10. Date Received at Lab: 4-29-92
11. Time Received: 1110

EPA SAMPLE #	CORRESPONDING SAMPLE TAG #	CORRESPONDING ASSIGNED LAB #	REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC
EQK07	504652 8-2 (6 & 6 10/92)	60024-2	Intact @ RT

4-29-92

Sample Transfer

Fraction:	VOA/CLP	BNA/CLP/Pesticide
Area #:	VOA/CLP	GC/GC
By:	[illegible]	[illegible]
On:	4-29-92	4-29-92

* Contact SMO and attach record of resolution

Reviewed By:

Date:

Logbook No.:

Logbook Page No.:

FORM OC-1

WADSWORTH/ALERT LABORATORIES COOLER RECEIPT FORM

Client: EPA CLP Project: 19026 Quote#:

Cooler received on 4-29-92 and opened on 4-29-92 by (signature)

Cooler/Safe/Other

WAL Shipper No. Hand

	Yes	No
1) Were custody seals on the outside of the cooler?	☑	☐
If YES, how many and where? Quantity 2 Location Top	☐	☐
Were signature and date correct? N/A	☐	☐
2) Were custody papers included inside the cooler?	☑	☐
3) Were custody papers properly filled out (ink, signed, match labels)?	☑	☐
4) Did you sign the custody papers in the appropriate place?	☑	☐
5) Shipper's packing slip attached to this form?	☑	☐
6) Was packing material used?	☑	☐
If YES, what type? Vermiculite	☐	☐
7) Were samples chilled? 8.8	☑	☐
8) Were all the bottles sealed in separate plastic bags?	☑	☐
9) Did all bottles arrive in good conditions (unbroken)?	☑	☐
10) Were all bottle labels complete (No. date, signed, analysis, preservations)?	☑	☐
11) Did all bottle labels and tags agree with custody papers?	☑	☐
12) Were correct bottles used for the tests indicated?	☑	☐
13) Were all VOA bottles checked for the presence of air bubbles? N/A	☐	☐
14) Was a sufficient amount of sample sent in each bottle?	☑	☐
15) Sample received by Fed Ex/UPS/Client drop off/Other	☐	☐

Explain any discrepancies

was contacted on _____ by _____

to resolve discrepancies.

Client ID	pH	Date	Initials

SAMPLE LOG-IN SHEET

Lab Name: Wadsworth Alert LAB Page 1 of 1

Received By (Print Name): John Gruber Log-in Date: 4-30-92

Received By (Signature): John Gruber

Case Number: 19026

Sample Delivery Group No.: EQK01

SAS Number:

REMARKS:

1. Custody Seal(s) Present/Absent* Intact/Broken
2. Custody Seal No.: 157433 / 157434
3. Chain-of-Custody Records Present/Absent*
4. Traffic Reports or Packing List Present/Absent*
5. Airbill Airbill/Sticker Present/Absent*
6. Airbill No.: 2271398684
7. Sample Tags Present/Absent*
8. Sample Tag Numbers Listed/Not Listed on Chain-of-Custody
9. Sample Conditions Intact/Broken* Leaking
10. Does information on custody records, traffic reports, and sample tags agree? Yes/No*
11. Date Received at Lab: 4-30-92
12. Time Received: 1000

	EPA SAMPLE #	CORRESPONDING SAMPLE TAG #	CORRESPONDING ASSIGNED LAB #	REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
✓	EQK26	5-046577-1	60304-1	intact & ice
✓	EQK26	5-046578-2	60304-2	
✓	EQK26	5-046579-3	60304-3	
✓	EQK26	5-046580-4	60304-4	
✓	EQK26	5-046581-5	60304-5	
✓	EQK26	5-046582-6	60304-6	
✓	EQK26	5-046583-7	60304-7	
✓	EQK26	5-046584-8	60304-8	
✓	EQK26	5-046585-9	60304-9	
✓	EQK26	5-046586-10	60304-10	
✓	EQK27	5-046591-1	60305-1	
✓	EQK27	5-046592-2	60305-2	
✓	EQK27	5-046593-3	60305-3	
✓	EQK27	5-046594-4	60305-4	
✓	EQK28	5-046597-1	60306-1	
✓	EQK28	5-046598-2	60306-2	
✓	EQK28	5-046599-3	60306-3	
✓	EQK28	5-046600-4	60306-4	
✓	EQK29	5-046603-1	60307-1	
✓	EQK29	5-046604-2	60307-2	

Sample Transfer

Fraction:	VOACLP	BNACLP/PESTCLP
Area #:	VOCCLP	CAGC
By:	[illegible]	[illegible]
On:	4-30-92	4-30-92

[illegible] 4-30-92

* Consult SMO and submit record of resolution

Reviewed By:

Date:

Logbook No.:

Logbook Page No.:

FORM OC-1

001187

WADSWORTH/ALERT LABORATORIES COOLER RECEIPT FORM

Client: EPA CLP Project: 19026 Quotes:

Cooler received on 4-30-92 and opened on 4-30-92 by John Strubes (signature)

Cooler/Safe/Other

WAL Shipper No. their

	Yes	No
1) Were custody seals on the outside of the cooler?	☑	☐
If YES, how many and where? Quantity 2 Location Top	☐	☐
Were signature and date correct? N/A	☐	☐
2) Were custody papers included inside the cooler?	☑	☐
3) Were custody papers properly filled out (ink, signed, match labels)?	☑	☐
4) Did you sign the custody papers in the appropriate place?	☑	☐
5) Shipper's packing slip attached to this form?	☑	☐
6) Was packing material used?	☑	☐
If YES, what type? Vermiculite	☐	☐
7) Were samples chilled?	☑	☐
8) Were all the bottles sealed in separate plastic bags? *	☑	☑
9) Did all bottles arrive in good conditions (unbroken)?	☑	☐
10) Were all bottle labels complete (No. date, signed, analysis, preservations)?	☑	☐
11) Did all bottle labels and tags agree with custody papers? ***	☑	☑
12) Were correct bottles used for the tests indicated?	☑	☐
13) Were all VOA bottles checked for the presence of air bubbles? **	☑	☐
14) Was a sufficient amount of sample sent in each bottle?	☑	☐
15) Sample received by Fed Ex/UPS/Client drop off/Other	☐	☐

Explain any discrepancies * Some vials 2 & 6 per bag.

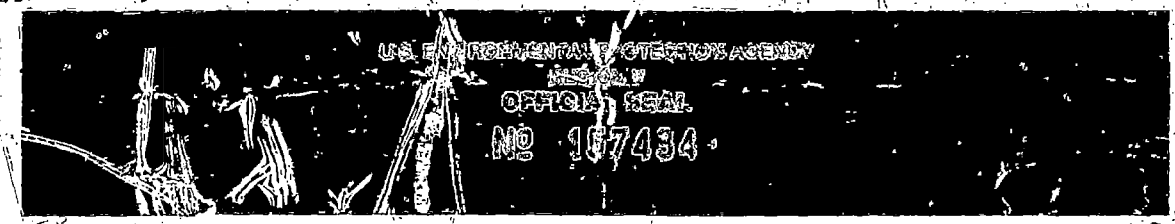
** One EQK29 tag # S-046603 vial had small air bubble.

*** COC said EQX26 & sample tag & bottle said EQK26.

was contacted on _____ by _____

to resolve discrepancies.

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION V
OFFICIAL SEAL
157433


U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION V
OFFICIAL SEAL
№ 157434

SAMPLE DELIVERY GROUP (SDG)
TRAFFIC REPORT (TR) COVER SHEET

Lab Name: WADSWORTH/ALERT Contract No.: 68-D1-0085

Lab Code: WADS Case No.: 19026 SAS No.: _____-___

Full Sample Analysis Price in Contract: $ 724.00

SDG No./First Sample in SDG: EQK 01 Sample Receipt Date: 4/29/92 (MM/DD/YY)
(Lowest EPA Sample Number in first shipment of samples received under SDG)

Last Sample in SDG: EQK 29 Sample Receipt Date: 4/30/92 (MM/DD/YY)
(Highest EPA Sample Number in last shipment of samples received under SDG)

EPA Sample Numbers in the SDG (listed in alphanumeric order):

1	EQK01	11	EQK11
2	EQK02	12	EQK26
3	EQK03	13	EQK27
4	EQK04	14	EQK28
5	EQK05	15	EQK29
6	EQK06	16	
7	EQK07	17	
8	EQK08	18	
9	EQK09	19	
10	EQK10	20	

Note: There are a maximum of 20 field samples in an SDG.

Attach Traffic Reports to this form in alphanumeric order (i.e., the order listed on this form).

Ron Gibas
Sample Custodian

4/30/92
Date

OTHER RECORDS

WADSWORTH/ALERT LABORATORIES
CLP SAMPLE SUMMARY

CASE #: 19026 SDG #: EQK01

PROJECT (REGION): REGION 5 CLIENT ID: C0142

COMMENTS: MS/MSD REQUIRED PROJECT MGR: RON GIBAS

ON SAMPLE EQK02 (60020) - SOLID AND EQK26 (60304) - WATER

LAB #	EPA SAMPLE ID	MATRIX	FRACTION				RECEIPT DATE	VOA EXP. DATE	BNA/PEST/PCB EXP.DATE	ANALYTICAL DUE DATE
			VOA	BNA	PEST	PCB				
60014	EQK01	SOLID	X	X	X	X	4-29-92	5-9-92	5-9-92	5-24-92
60015	EQK04	SOLID	X						N/A	
60016	EQK08	SOLID	X	X	X	X			5-9-92	
60017	EQK09	SOLID	X	X	X	X			5-9-92	
60018	EQK10	SOLID	X						N/A	
60019	EQK11	SOLID	X						N/A	
60020	EQK02	SOLID	X	X	X	X			5-9-92	
60021	EQK03	SOLID	X						N/A	
60022	EQK05	SOLID	X						N/A	
60023	EQK06	SOLID	X						N/A	
60024	EQK07	SOLID	X						N/A	
60025	HLDBLK	WATER	X						N/A	
60304	EQK26	WATER	X	X	X	X	4-30-92	5-10-92	5-5-92	
60305	EQK27	WATER	X	X	X	X				
60306	EQK28	WATER	X	X	X	X				
60307	EQK29	WATER	X						N/A	

JS 4-30-92

Client C0142

WADSWORTH/ALERT LABORATORIES
GC/MS VOLATILE PH

CASE = 19026 SDG = EQK01 ANALYST INITIALS KG

EPA =	LAB=	PH	EPA =	LAB =	PH
EQK26	60304	1.0			
EQK27	60305	1.0			
EQK28	60306	1.0			
EQK29	60307	1.0			

Satralloy

Manual Screening (RECONCILED STATUS OF CCS RESULTS)

CONTRACT COMPLIANCE SCREENING SUMMARY FOR ORGANICS

LAB CODE : WADS
CASE NO. : 19026
SDG NO. : EQK01

ALAB :
SAS NO.:
REGION : V

CONTRACT NO.: 68D10085
SAMPLES : 21
SCREENER: TC/VA
IDENT :

DATE SCREENED : 06/22/92
RESPONSE DATE 1: 06/18/92
RESPONSE DATE 2:

Mail Date 2-6-25-92

VOA

SAMPLE	A HOLD	B TUNE	C BLKS	CALIB D INIT	E CONT	F SUR	G MS/D	H COMP
EQK01-01	Y			X				
EQK01-05	NA							
EQK02-01	Y			X				
EQK02-08								
EQK02-09								
EQK03-01								
EQK04-01								
EQK05-01								
EQK06-01								
EQK07-01								
EQK08-01								
EQK08-04	NA							
EQK09-01	Y			X				
EQK10-01								
EQK11-01								
EQK26-01								
EQK26-08								
EQK26-09								
EQK27-01								
EQK28-01								

SV (BNA)

SAMPLE	A HOLD	A1 HOLD	B TUNE	C BLKS	CALIB D INIT	E CONT	F SUR	G MS/D	H COMP
EQK01-01	Y								
EQK01-05	NA								
EQK02-01	Y								
EQK02-08									
EQK02-09									
EQK03-01	NA								
EQK04-01									
EQK05-01									
EQK06-01									
EQK07-01									
EQK08-01	Y								
EQK08-04	NA								
EQK09-01									
EQK10-01	NA								
EQK11-01									
EQK26-01	Y								
EQK26-08									
EQK26-09									
EQK27-01									
EQK28-01									

PESTICIDES

SAMPLE	A HOLD	A1 HOLD	B BLKS	C DDT	D RT/W	E ANAL	F DEG	G DBC	H MS/D	CALIB I INIT	J CONT	K COMP
EQK01-01	Y											
EQK01-05												
EQK02-01												
EQK02-08												
EQK02-09												
EQK03-01												
EQK04-01	NA											
EQK05-01												
EQK06-01												
EQK07-01												
EQK08-01												
EQK08-04	Y											
EQK09-01	NA											
EQK10-01	Y											
EQK11-01	NA											
EQK26-01												
EQK26-08	Y											
EQK26-09												
EQK27-01												
EQK28-01												

CODE: R = RESUBMIT, S = SUBMIT, N = NONCOMPLIANT, NA = NOT ANALYZED X: RECONCILED

Manual Screening (RECONCILED STATUS OF CCS RESULTS)

CONTRACT COMPLIANCE SCREENING SUMMARY FOR ORGANICS

LAB CODE : WADS
ALAB :
CONTRACT NO.: 68D10085
DATE SCREENED : 06/22/92

CASE NO. : 19026
SAS NO.:
SAMPLES : 21
SCREENER: TC
RESPONSE DATE 1: 06/18/92

SDG NO. : EQK01
REGION : V
IDENT :
RESPONSE DATE 2:

VOA | SV | PESTICIDES

SAMPLE	A HOLD	B TUNE	C BLKS	CALIB D INIT	CALIB E CONT	F SUR	G MS/D	H COMP	A HOLD	A1 HOLD	B TUNE	C BLKS	CALIB D INIT	CALIB E CONT	F SUR	G MS/D	H COMP	A HOLD	A1 HOLD	B BLKS	C DDT	D RTW	E ANAL	F DEG	G DBC	H MS/D	CALIB I INIT	CALIB J CONT	K COMP
EQK29-01	+	+	+	+	+	+	+	+	Y									NA											
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

CODE: R = RESUBMIT, S = SUBMIT, N = NONCOMPLIANT, NA = NOT ANALYZED X= RECONCILED

Manual Screening

RESOLUTION OF CONTRACT COMPLIANCE SCREENING RESULTS

LAB CODE: WADS RECONCILED BY: TC PAGE: 1

CASE NO.: 19026 SDG NO.: EQK01 DATE MAILED:

Sample	Fraction	Criterion	Comments
	VOA	D	Thank you for your response (ZT)