

User: Fakhouri, Morgan  
 Westchester Dept. of Labs & Research  
 Date: 03/19/2002 Time: 14:55:05

Sample: AE02092  
 Analysis: \$B1GCMS Blank for GCMS Scan  
 Units: ug  
 Started: 3/19/02 14:54 Ended: 3/19/02 14:54 Analyst: MF  
 Result source: manual entry  
 Page: 1

|    | Component Name                | Viol | Result | Qualifier | MDL |
|----|-------------------------------|------|--------|-----------|-----|
| 1  | n-Nitrosodimethylamine        |      | < MDL  |           | 2.0 |
| 2  | bis(2-Chloroethyl)ether       |      | < MDL  |           | 2.0 |
| 3  | 1,3-Dichlorobenzene           |      | < MDL  |           | 2.0 |
| 4  | 1,4-Dichlorobenzene           |      | < MDL  |           | 2.0 |
| 5  | 1,2-Dichlorobenzene           |      | < MDL  |           | 2.0 |
| 6  | 2,2'-oxybis(1-Chloropropane)  |      | < MDL  |           | 2.0 |
| 7  | n-Nitrosodi-n-propylamine     |      | < MDL  |           | 2.0 |
| 8  | Hexachloroethane              |      | < MDL  |           | 2.0 |
| 9  | Nitrobenzene                  |      | < MDL  |           | 2.0 |
| 10 | Isophorone                    |      | < MDL  |           | 2.0 |
| 11 | bis(2-Chloroethoxy)methane    |      | < MDL  |           | 2.0 |
| 12 | 1,2,4-Trichlorobenzene        |      | < MDL  |           | 2.0 |
| 13 | Naphthalene                   |      | < MDL  |           | 2.0 |
| 14 | Hexachlorobutadiene           |      | < MDL  |           | 2.0 |
| 15 | 2-Chloronaphthalene           |      | < MDL  |           | 2.0 |
| 16 | Dimethylphthalate             |      | < MDL  |           | 2.0 |
| 17 | 2,6-Dinitrotoluene            |      | < MDL  |           | 2.0 |
| 18 | Acenaphthylene                |      | < MDL  |           | 2.0 |
| 19 | Acenaphthene                  |      | < MDL  |           | 2.0 |
| 20 | 2,4-Dinitrotoluene            |      | < MDL  |           | 2.0 |
| 21 | Diethylphthalate              |      | < MDL  |           | 2.0 |
| 22 | 4-Chlorophenylphenylether     |      | < MDL  |           | 2.0 |
| 23 | Fluorene                      |      | < MDL  |           | 2.0 |
| 24 | Azobenzene/1,2-Diphenylhydraz |      | < MDL  |           | 2.0 |
| 25 | n-Nitrosodiphenylamine        |      | < MDL  |           | 2.0 |
| 26 | 4-Bromophenylphenylether      |      | < MDL  |           | 2.0 |
| 27 | Hexachlorobenzene             |      | < MDL  |           | 2.0 |
| 28 | Phenanthrene                  |      | < MDL  |           | 2.0 |
| 29 | Anthracene                    |      | < MDL  |           | 2.0 |
| 30 | Di-n-butylphthalate           |      | < MDL  |           | 2.0 |
| 31 | Fluoranthene                  |      | < MDL  |           | 2.0 |
| 32 | Pyrene                        |      | < MDL  |           | 2.0 |
| 33 | Butylbenzylphthalate          |      | < MDL  |           | 2.0 |
| 34 | Benzo(a)anthracene            |      | < MDL  |           | 2.0 |
| 35 | bis(2-Ethylhexyl)phthalate    |      | < MDL  |           | 2.0 |
| 36 | Chrysene                      |      | < MDL  |           | 2.0 |
| 37 | Di-n-octylphthalate           |      | < MDL  |           | 2.0 |
| 38 | Benzo(b)fluoranthene          |      | < MDL  |           | 2.0 |
| 39 | Benzo(k)fluoranthene          |      | < MDL  |           | 2.0 |
| 40 | Benzo(a)pyrene                |      | < MDL  |           | 2.0 |
| 41 | Indeno(1,2,3-cd)pyrene        |      | < MDL  |           | 2.0 |
| 42 | Dibenz(a,h)anthracene         |      | < MDL  |           | 2.0 |
| 43 | Benzo(g,h,i)perylene          |      | < MDL  |           | 2.0 |

## Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031802\LBA.D

Acq On : 19 Mar 2002 2:27 pm

Sample : GC/MS SCAN 3/8

Misc :

MS Integration Params: BENZO.P

Quant Time: Mar 20 02:44:46 2002

Vial: 16

Operator: McLean

Inst : Instrumen

Multiplr: 1.00

Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)

Title : Quantitation For Method 508gcscan

Last Update : Thu Mar 14 13:02:27 2002

Response via : Initial Calibration

DataAcq Meth : 508SCAN

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 9.55  | 150  | 1504586  | 20.00 | ug/L  | 0.00     |
| 10) Naphthalene-d8        | 13.03 | 136  | 4149001  | 20.00 | ug/L  | 0.00     |
| 17) Acenaphthene-d10      | 18.13 | 164  | 2272375  | 20.00 | ug/L  | 0.00     |
| 29) Phenanthrene-d10      | 22.50 | 188  | 3382435  | 20.00 | ug/L  | 0.00     |
| 38) Chrysene-d12          | 30.30 | 240  | 2768151  | 20.00 | ug/L  | -0.02    |
| 44) Perylene-d12          | 34.18 | 264  | 1488147  | 20.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                  |       |     |          |      |        |      |
|------------------|-------|-----|----------|------|--------|------|
| 37) 2,4-ddd surr | 27.43 | 235 | 194975   | 4.83 | ug/L   | 0.00 |
| Spiked Amount    | 5.000 |     | Recovery | =    | 96.60% |      |

## Target Compounds

|                                |       |     |        |       | Qvalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) N-nitroso-dimethyl amine    | 0.00  | 74  | 0      | N.D.  | d         |
| 3) bis(2-chloroethyl) ether    | 0.00  | 93  | 0      | N.D.  |           |
| 4) 1,3 - Dichlorobenze         | 0.00  | 146 | 0      | N.D.  |           |
| 5) 1,4 - Dichlorobenzene       | 0.00  | 146 | 0      | N.D.  |           |
| 6) 1,2 - Dichlorobenzene       | 0.00  | 146 | 0      | N.D.  |           |
| 7) 2,2' - oxybis (1-Chloropr   | 0.00  | 45  | 0      | N.D.  |           |
| 8) N-Nitroso-di-n-propylamine  | 0.00  | 70  | 0      | N.D.  |           |
| 9) Hexachloroethane            | 0.00  | 117 | 0      | N.D.  |           |
| 11) Nitrobenzene               | 0.00  | 77  | 0      | N.D.  |           |
| 12) Isophorone                 | 0.00  | 82  | 0      | N.D.  |           |
| 13) bis(2-Chloroethoxy) methan | 0.00  | 93  | 0      | N.D.  |           |
| 14) 1,2,4-Trichlorobenzene     | 0.00  | 180 | 0      | N.D.  |           |
| 15) Naphthalene                | 0.00  | 128 | 0      | N.D.  |           |
| 16) Hexachlorobutadiene        | 0.00  | 225 | 0      | N.D.  |           |
| 18) Hexachlorocyclopentadiene  | 0.00  | 237 | 0      | N.D.  |           |
| 19) 2-chloronaphthalene        | 0.00  | 162 | 0      | N.D.  |           |
| 20) Dimethylphthalate          | 0.00  | 163 | 0      | N.D.  |           |
| 21) 2,6-Dinitrotoluene         | 18.13 | 165 | 296553 | 11.25 | ug/L # 25 |
| 22) Acenaphthylene             | 0.00  | 152 | 0      | N.D.  |           |
| 23) Acenaphthene               | 0.00  | 153 | 0      | N.D.  |           |
| 24) 2,4-Dinitrotoluene         | 0.00  | 165 | 0      | N.D.  |           |
| 25) Diethylphthalate           | 0.00  | 149 | 0      | N.D.  |           |
| 26) 4-Chlorophenyl-phenyl ethe | 0.00  | 204 | 0      | N.D.  |           |
| 27) Fluorene                   | 0.00  | 166 | 0      | N.D.  |           |
| 28) Azobenzen/ 1,2-Diphenylhyd | 0.00  | 77  | 0      | N.D.  |           |
| 30) N-Nitrosodiphenylamine     | 0.00  | 169 | 0      | N.D.  |           |
| 31) 4-Bromophenyl-phenyl ether | 0.00  | 248 | 0      | N.D.  |           |
| 32) Hexachlorobenzene          | 0.00  | 284 | 0      | N.D.  |           |
| 33) Phenanthrene               | 0.00  | 178 | 0      | N.D.  |           |
| 34) Anthracene                 | 0.00  | 178 | 0      | N.D.  |           |
| 35) Di-n-butylphthalate        | 0.00  | 149 | 0      | N.D.  |           |
| 36) Fluoranthene               | 0.00  | 202 | 0      | N.D.  |           |
| 39) Pyrene                     | 0.00  | 202 | 0      | N.D.  |           |
| 40) Butylbenzylphthalate       | 0.00  | 149 | 0      | N.D.  |           |
| 41) Benzo (a) anthracene       | 0.00  | 228 | 0      | N.D.  | d         |
| 42) Bis (2-ethylhexyl) phthala | 0.00  | 149 | 0      | N.D.  |           |
| 43) Chrysene                   | 0.00  | 228 | 0      | N.D.  | d         |
| 45) Di-n-Octylphthalate        | 0.00  | 149 | 0      | N.D.  |           |
| 46) Benzo (b) fluoranthene     | 0.00  | 252 | 0      | N.D.  |           |

(#)= qualifier out of range (m) = manual integration

LBA.D 5080302.M Wed Mar 20 02:45:17 2002

## Quantitation Report

(QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031802\LBA.D

Acq On : 19 Mar 2002 2:27 pm

Sample : GC/MS SCAN 3/8

Misc :

MS Integration Params: BENZO.P

Quant Time: Mar 20 02:44:46 2002

Vial: 16

Operator: McLean

Inst : Instrumen

Multiplr: 1.00

Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)

Title : Quantitation For Method 508gcscan

Last Update : Thu Mar 14 13:02:27 2002

Response via : Initial Calibration

DataAcq Meth : 508SCAN

| Compound                     | R.T. | QIon | Response | Conc | Unit | Qvalue |
|------------------------------|------|------|----------|------|------|--------|
| 47) Benzo (k) fluoranthene   | 0.00 | 252  | 0        | N.D. |      |        |
| 48) Benzo (a) pyrene         | 0.00 | 252  | 0        | N.D. | d    |        |
| 49) Indeno (1,2,3-cd) pyrene | 0.00 | 276  | 0        | N.D. |      |        |
| 50) Dibenz (a,h) anthracene  | 0.00 | 278  | 0        | N.D. |      |        |
| 51) Benzo (g,h,i) perylene   | 0.00 | 276  | 0        | N.D. |      |        |

-----  
(#) = qualifier out of range (m) = manual integration

LBA.D 5080302.M Wed Mar 20 02:45:17 2002

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## Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031802\LBA.D

Vial: 16

Acq On : 19 Mar 2002 2:27 pm

Operator: McLean

Sample : GC/MS SCAN 3/8

Inst : Instrumen

Misc :

Multiplr: 1.00

MS Integration Params: BENZO.P

Quant Time: Mar 20 2:45 2002

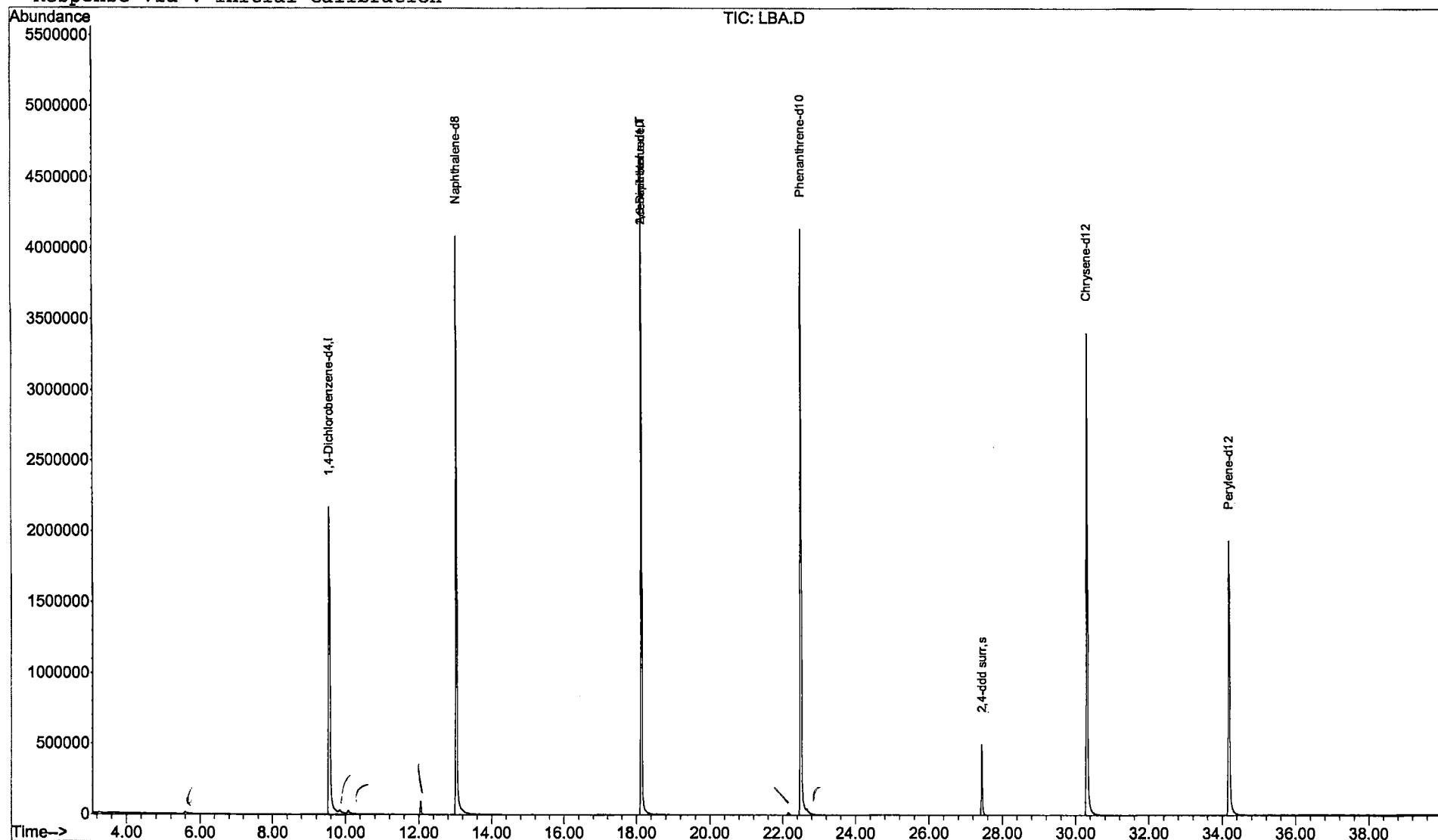
Quant Results File: 5080302.RES

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)

Title : Quantitation For Method 508gcscan

Last Update : Thu Mar 14 13:02:27 2002

Response via : Initial Calibration



## LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\031802\LBA.D  
Acq On : 19 Mar 2002 2:27 pm  
Sample : GC/MS SCAN 3/8  
Misc :  
MS Integration Params: LSCINT.P

Vial: 16  
Operator: McLean  
Inst : Instrumen  
Multiplr: 1.00

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)  
Title : Quantitation For Method 508gcscan  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 1 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

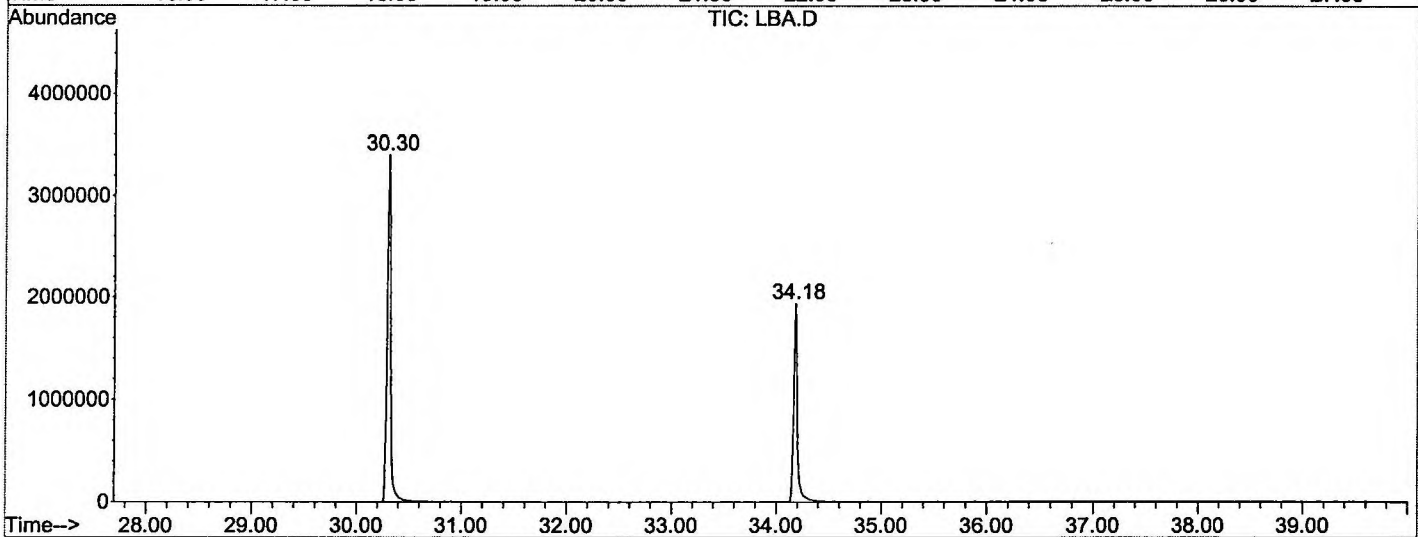
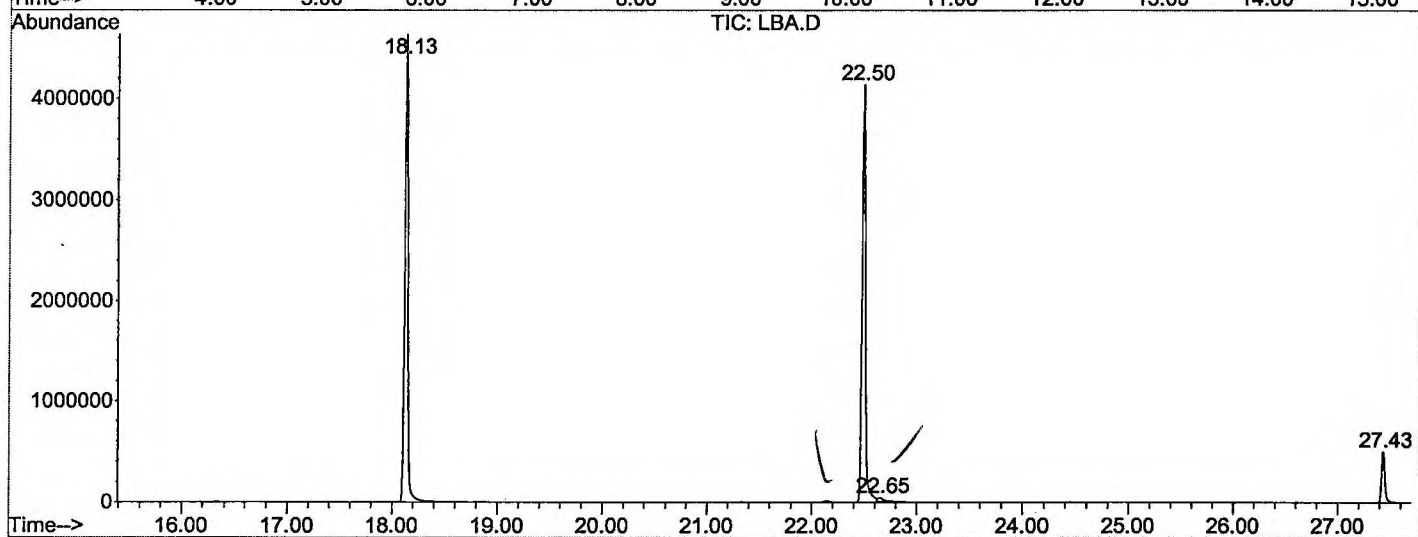
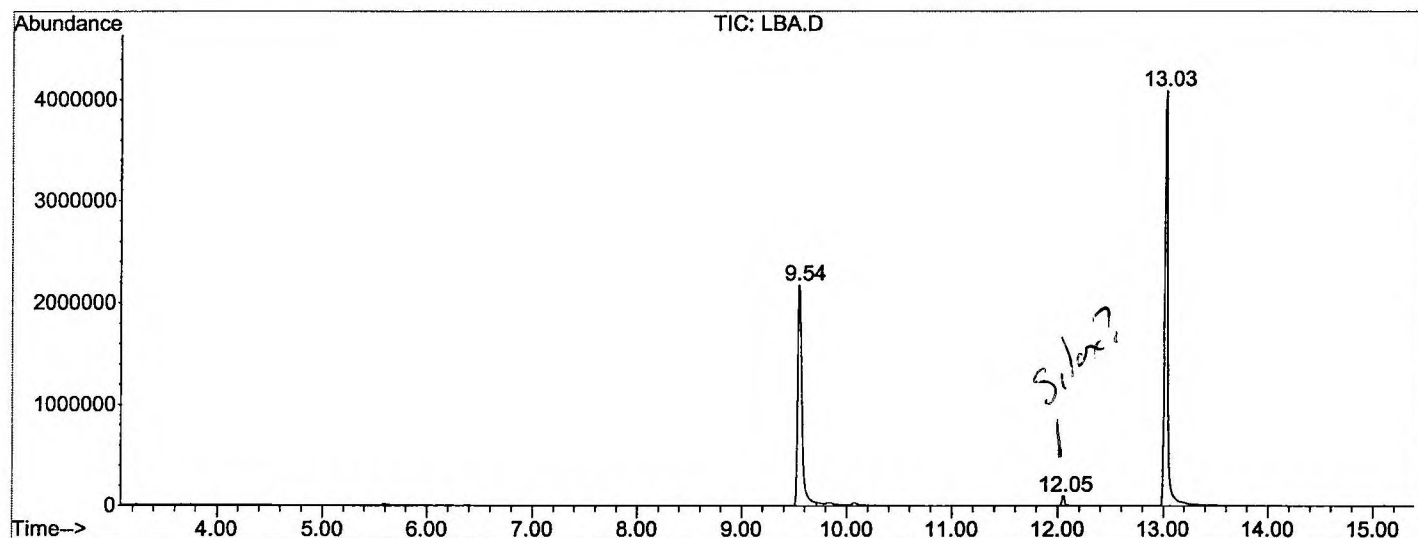
Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 9.543       | 709           | 713         | 732          | rBV      | 2168759        | 6248173       | 65.97%          | 12.941%       |
| 2         | 12.046      | 985           | 989         | 998          | rBV2     | 92978          | 176781        | 1.87%           | 0.366%        |
| 3         | 13.026      | 1091          | 1097        | 1121         | rBV      | 4085419        | 8906064       | 94.04%          | 18.446%       |
| 4         | 18.133      | 1654          | 1660        | 1682         | rBV      | 4632605        | 9470766       | 100.00%         | 19.616%       |
| 5         | 22.495      | 2135          | 2141        | 2155         | rBV2     | 4137973        | 9302304       | 98.22%          | 19.267%       |
| 6         | 22.650      | 2155          | 2158        | 2172         | rVB3     | 36220          | 153977        | 1.63%           | 0.319%        |
| 7         | 27.430      | 2681          | 2685        | 2696         | rBV      | 496690         | 1012189       | 10.69%          | 2.096%        |
| 8         | 30.305      | 2996          | 3002        | 3030         | rBV2     | 3404172        | 8114527       | 85.68%          | 16.807%       |
| 9         | 34.178      | 3423          | 3429        | 3452         | rBV2     | 1936145        | 4896510       | 51.70%          | 10.142%       |

Sum of corrected areas: 48281291

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\031802\LBA.D  
 Operator : McLean  
 Acquired : 19 Mar 2002 2:27 pm using AcqMethod 508SCAN  
 Instrument : Instrumen  
 Sample Name: GC/MS SCAN 3/8  
 Misc Info :  
 Vial Number: 16  
 Quant File :5080302.RES (RTE Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: McLean Date Acquired: 19 Mar 2002 2:27 pm  
 Data File: C:\MSDCHEM\1\DATA\031802\LBA.D  
 Name: GC/MS SCAN 3/8  
 Misc:  
 Method: C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)  
 Title: Quantitation For Method 508gcscan  
 Library Searched: C:\DATABASE\WILEY7N.L

| TIC Top Hit name | RT | EstConc | Units | Response | --Internal Standard-- |    |      |      |
|------------------|----|---------|-------|----------|-----------------------|----|------|------|
|                  |    |         |       |          | #                     | RT | Resp | Conc |

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