User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/14/2002 Time: 17:06:01

Sample: AE03441
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/14/02 17:05 Ended: 3/14/02 17:05 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 102 | | 5.0 |

**Comments for Sample AE03441 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-14-2002 Time: 17:06:04

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 2 of the 43 compounds in the LCS Standard were outside their acceptance ranges.

Data File : C:\MSDCHEM\1\DATA\022802\03441.D Vial: 28
Acq On : 1 Mar 2002 10:42 am Operator: McLean
Sample : MS CSAN FB Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 13 06:51:19 2002 Quant Results File: 5080202.RES

Quant Method : C:\MSDCHEM\1\5973N\5080202.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Mon Feb 25 19:17:14 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.58 | 150 | 1022535 | 20.00 | ug/L | 0.00 |
| 10) Naphthalene-d8 | 13.05 | 136 | 2733382 | 20.00 | ug/L | 0.00 |
| 17) Acenaphthene-d10 | 18.16 | 164 | 1510029 | 20.00 | ug/L | 0.00 |
| 29) Phenanthrene-d10 | 22.52 | 188 | 2270647 | 20.00 | ug/L | 0.00 |
| 38) Chrysene-d12 | 30.33 | 240 | 1950621 | 20.00 | ug/L | -0.03 |
| 44) Perylene-d12 | 34.20 | 264 | 1229795 | 20.00 | ug/L | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-ddd surr | 27.46 | 235 | 183556 | 5.09 | ug/L | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 101.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 3.27 | 74 | 6051 | 0.20 | ug/L | 100 |
| 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 | 18.16 | 165 | 193618 | 9.22 | 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 | 24.66 | 149 | 3685 | 0.02 | ug/L | 79 |
| 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) antracene | 0.00 | 228 | 0 | N.D. d | | |
| 42) Bis (2-ethylhexyl) phthala | 30.94 | 149 | 103801 | 1.17 | ug/L | 97 |
| 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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022802\03441.D Vial: 28
Acq On : 1 Mar 2002 10:42 am Operator: McLean
Sample : MS CSAN FB Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 13 06:51:19 2002 Quant Results File: 5080202.RES

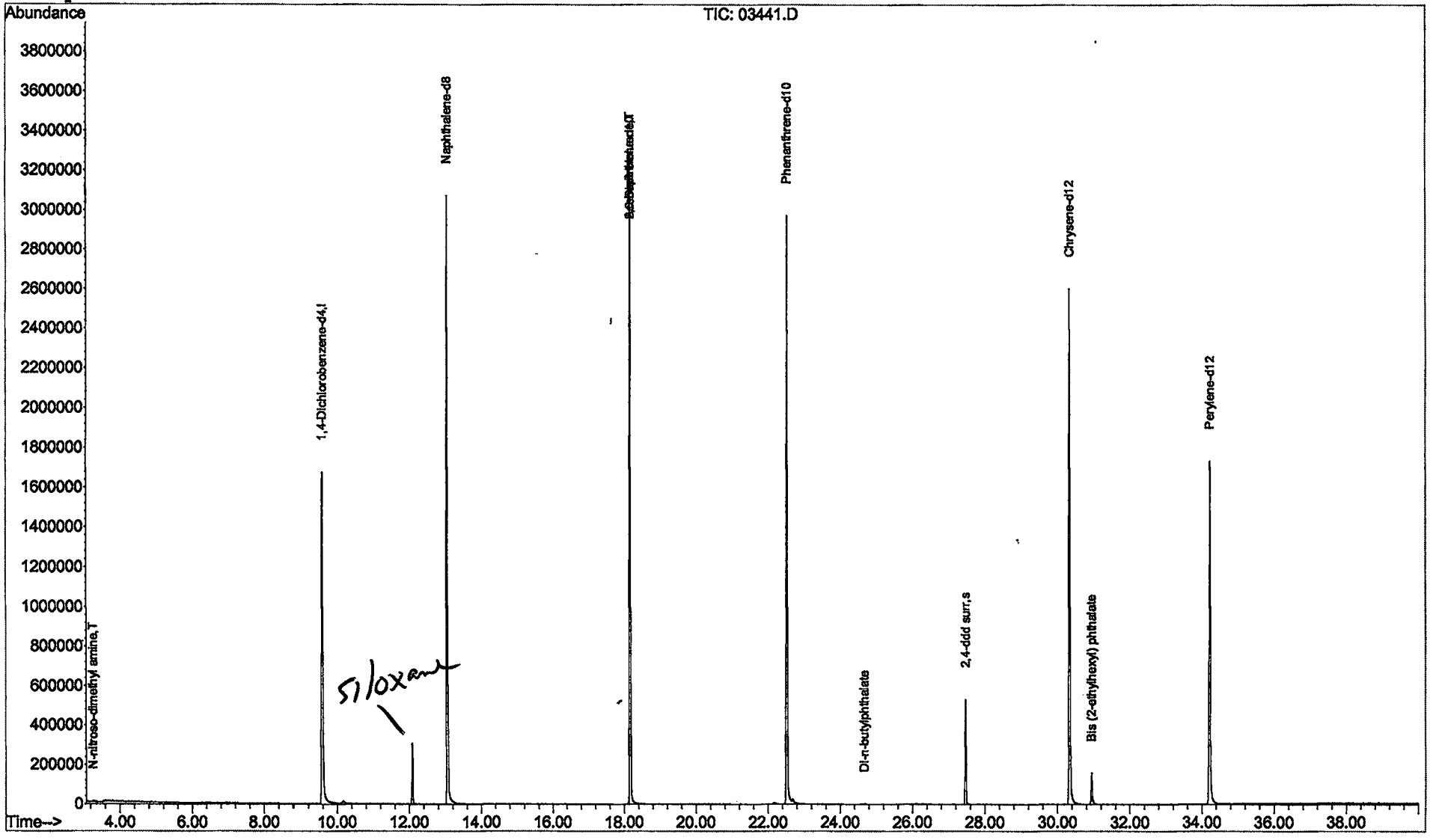
Quant Method : C:\MSDCHEM\1\5973N\5080202.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Mon Feb 25 19:17:14 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

| 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
03441.D 5080202.M Wed Mar 13 06:52:00 2002 Page 2

Data File : C:\MSDCHEM\1\DATA\022802\03441.D Vial: 28
Acq On : 1 Mar 2002 10:42 am Operator: McLean
Sample : MS CSAN FB Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 13 6:51 2002 Quant Results File: 5080202.RES

Method : C:\MSDCHEM\1\5973N\5080202.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Mon Feb 25 19:17:14 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\022802\03441.D  Vial: 28
Acq On : 1 Mar 2002 10:42 am  Operator: McLean
Sample : MS CSAN FB  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\5973N\5080202.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

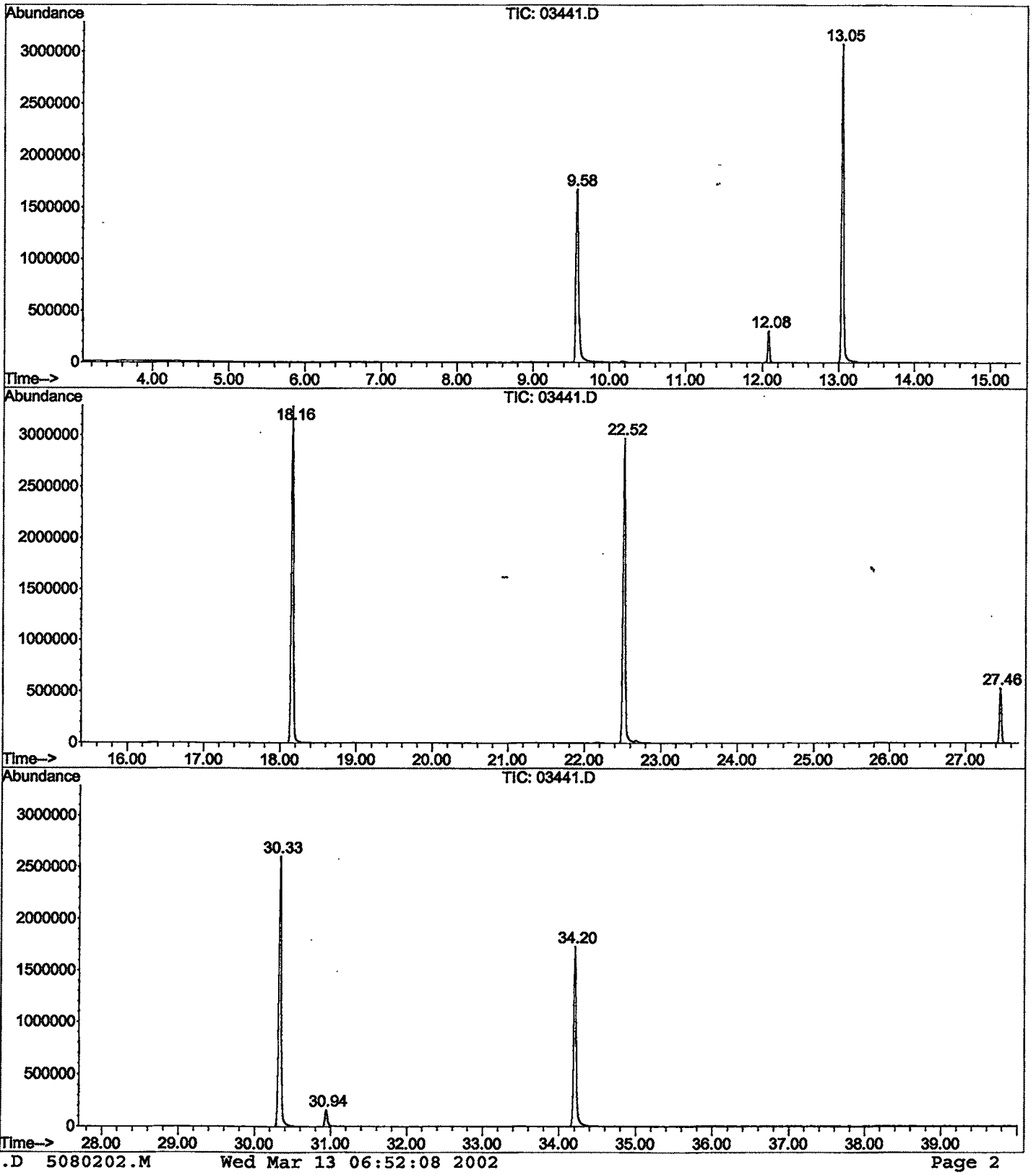
Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.579 | 711 | 717 | 739 | rBV | 1672323 | 4355954 | 69.29% | 12.718% |
| 2 | 12.083 | 988 | 993 | 997 | rBV | 306297 | 512312 | 8.15% | 1.496% |
| 3 | 13.053 | 1094 | 1100 | 1114 | rBV | 3075216 | 5882315 | 93.57% | 17.174% |
| 4 | 18.160 | 1657 | 1663 | 1679 | rBV | 3285647 | 6286245 | 100.00% | 18.353% |
| 5 | 22.523 | 2138 | 2144 | 2158 | rBV2 | 2973584 | 6209773 | 98.78% | 18.130% |
| 6 | 27.457 | 2684 | 2688 | 2700 | rBV | 532169 | 966854 | 15.38% | 2.823% |
| 7 | 30.332 | 2999 | 3005 | 3027 | rBV2 | 2601520 | 5647856 | 89.84% | 16.489% |
| 8 | 30.940 | 3064 | 3072 | 3080 | rBV | 158674 | 368358 | 5.86% | 1.075% |
| 9 | 34.205 | 3425 | 3432 | 3447 | rBV2 | 1733489 | 4021684 | 63.98% | 11.742% |

Sum of corrected areas: 34251351

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\022802\03441.D
Operator : McLean
Acquired : 1 Mar 2002 10:42 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: MS CSAN FB
Misc Info :
Vial Number: 28
Quant File :5080202.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\DATA\022802\03441.D  Vial: 28
Acq On : 1 Mar 2002 10:42 am  Operator: McLean
Sample : MS CSAN FB  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

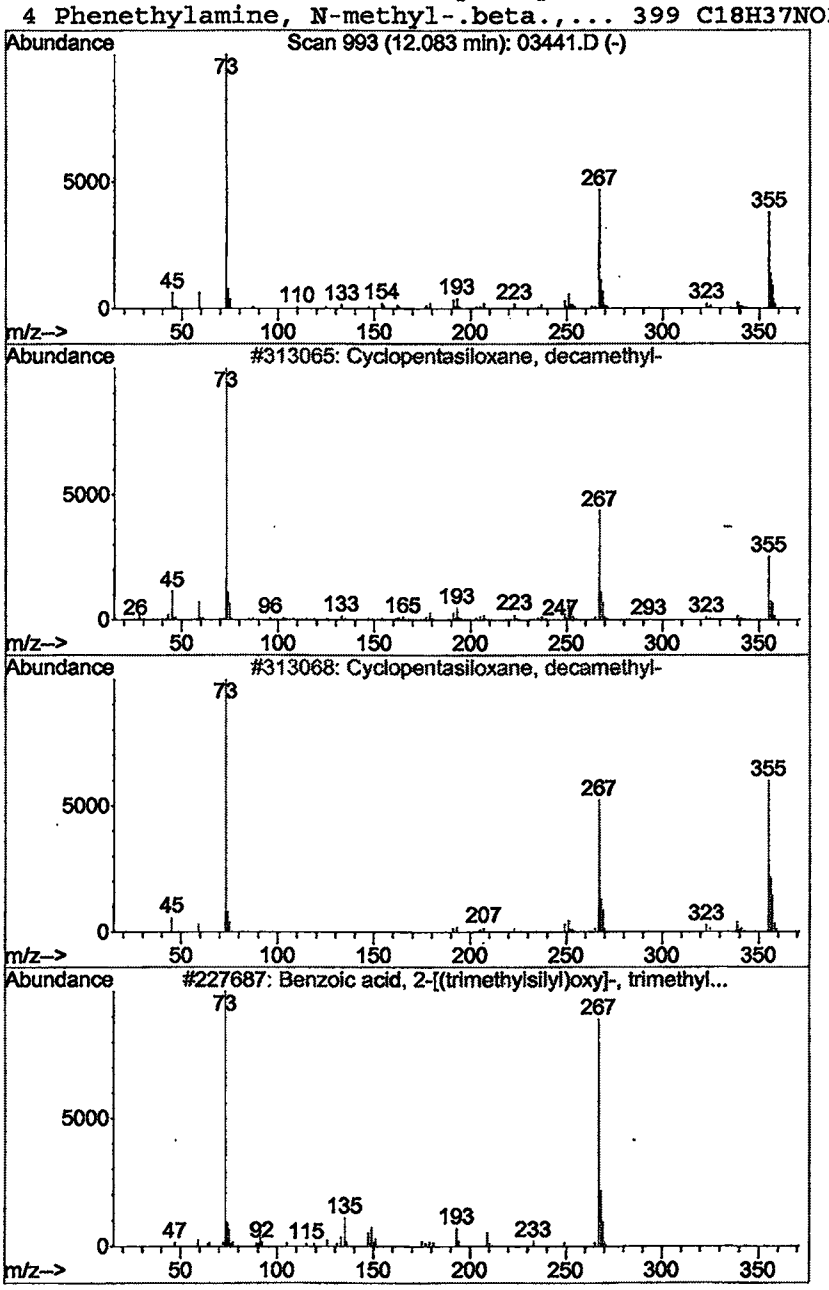
Quant Method : C:\MSDCHEM\1\5973N\5080202.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

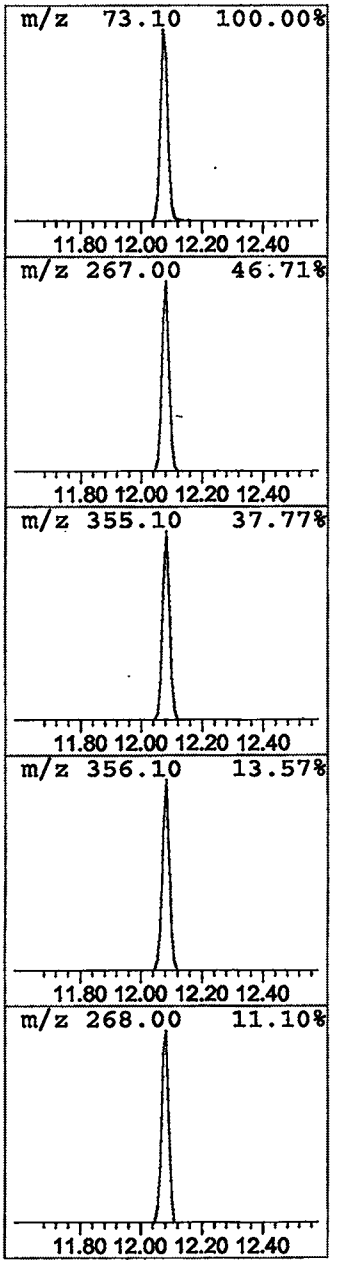
**********

Peak Number 1 Cyclopentasiloxane, decamet... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.08 | 1.74 ug/L | 512312 | Naphthalene-d8 | 13.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 87 |
| 2 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 83 |
| 3 | Benzoic acid, 2-[(trimethylsilyl... | 282 | C13H22O3Si2 | 003789-85-3 | 38 |
| 4 | Phenethylamine, N-methyl-.beta.,... | 399 | C18H37NO3Si3 | 010538-85-9 | 38 |



Operator ID: McLean  Date Acquired: 1 Mar 2002 10:42 am
Data File: C:\MSDCHEM\1\DATA\022802\03441.D
Name: MS CSAN FB
Misc:
Method: C:\MSDCHEM\1\5973N\5080202.M (RTE Integrator)
Title: Quantitation For Method 508gcscan
Library Searched: C:\DATABASE\WILEY7N.L

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Cyclopentasiloxan... | 12.08 | 1.7 | ug/L | 512312 | 2 | 13.05 | 5882320 | 20.0 |