User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/29/2002 Time: 08:29:06

Sample: AE03384
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/29/02 08:28 Ended: 3/29/02 08:28 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 72 | | 5.0 |

**Comments for Sample AE03384 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-29-2002 Time: 08:29:10

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for the compounds in the LCS Standard were high. New limits will be calculated.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\032202\3384.D Vial: 42
Acq On : 22 Mar 2002 5:45 pm Operator: McLean
Sample : 2/14/02 REINJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 25 11:18:42 2002 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 | 2468139 | 20.00 | ug/L | 0.00 |
| 10) Naphthalene-d8 | 13.03 | 136 | 6852689 | 20.00 | ug/L | 0.00 |
| 17) Acenaphthene-d10 | 18.15 | 164 | 3721778 | 20.00 | ug/L | 0.00 |
| 29) Phenanthrene-d10 | 22.51 | 188 | 5790207 | 20.00 | ug/L | 0.01 |
| 38) Chrysene-d12 | 30.32 | 240 | 4682476 | 20.00 | ug/L | 0.00 |
| 44) Perylene-d12 | 34.20 | 264 | 2442539 | 20.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-ddd surr | 27.43 | 235 | 197459 | 2.86 | ug/L | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 57.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 0.00 | 74 | 0 | N.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 | 18.15 | 165 | 476254 | 11.03 | 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 | 24.65 | 149 | 17900 | 0.06 | 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 | 30.91 | 149 | 2740 | 0.01 | ug/L | 85 |
| 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\032202\3384.D Vial: 42
Acq On : 22 Mar 2002 5:45 pm Operator: McLean
Sample : 2/14/02 REINJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 25 11:18:42 2002 Quant Results File: 5080302.RES

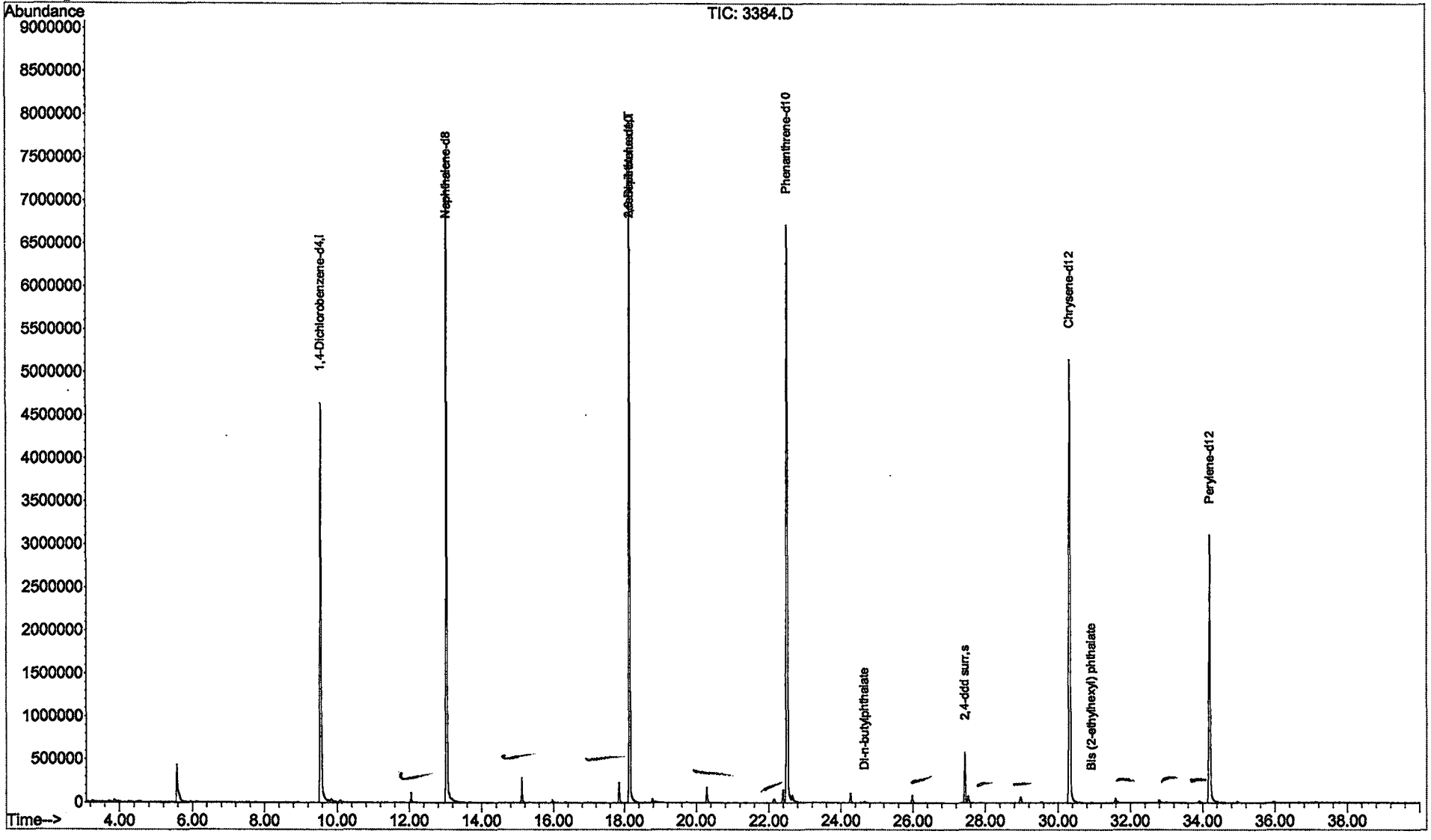
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

| 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
3384.D 5080302.M Mon Mar 25 11:19:06 2002 Page 2

Data File : C:\MSDCHEM\1\DATA\032202\3384.D Vial: 42
Acq On : 22 Mar 2002 5:45 pm Operator: McLean
Sample : 2/14/02 REINJ Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 25 11:18 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\032202\3384.D  Vial: 42
Acq On : 22 Mar 2002 5:45 pm  Operator: McLean
Sample : 2/14/02 REINJ  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

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

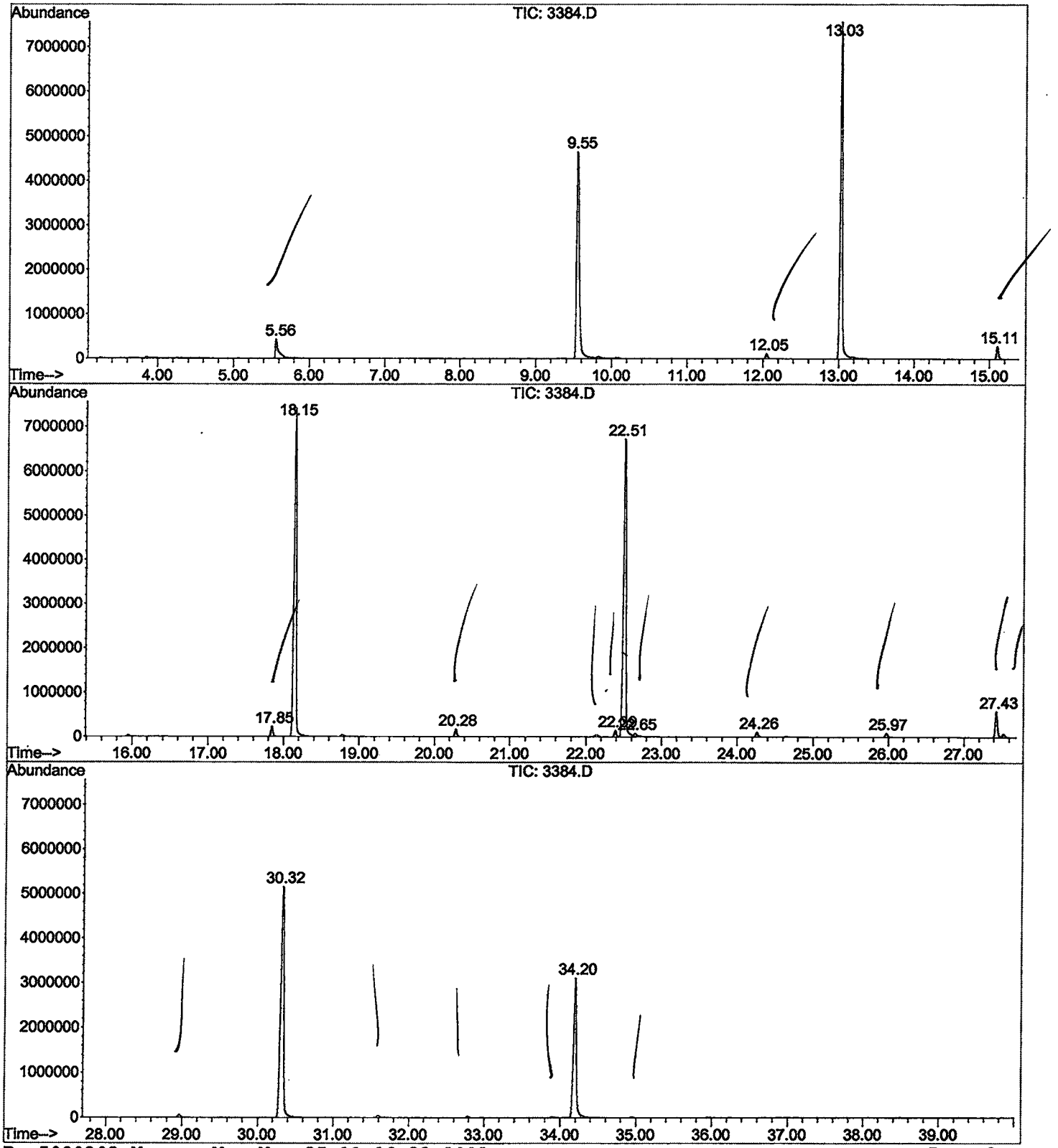
Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.565 | 419 | 423 | 449 | rBV | 429385 | 1226265 | 7.48% | 1.418% |
| 2 | 9.548 | 1093 | 1101 | 1126 | rBV | 4647607 | 11487063 | 70.09% | 13.282% |
| 3 | 12.051 | 1521 | 1527 | 1536 | rBV | 114415 | 186962 | 1.14% | 0.216% |
| 4 | 13.032 | 1685 | 1694 | 1715 | rBV | 7561111 | 15419832 | 94.09% | 17.829% |
| 5 | 15.112 | 2041 | 2048 | 2061 | rBV2 | 285199 | 490518 | 2.99% | 0.567% |
| 6 | 17.850 | 2506 | 2514 | 2527 | rBV | 229310 | 407344 | 2.49% | 0.471% |
| 7 | 18.150 | 2554 | 2565 | 2580 | rBV | 7417985 | 16172813 | 98.68% | 18.699% |
| 8 | 20.283 | 2922 | 2928 | 2938 | rBV | 173412 | 321154 | 1.96% | 0.371% |
| 9 | 22.392 | 3279 | 3287 | 3295 | rBV | 146479 | 262755 | 1.60% | 0.304% |
| 10 | 22.510 | 3295 | 3307 | 3324 | rBV2 | 6720530 | 16388430 | 100.00% | 18.949% |
| 11 | 22.651 | 3327 | 3331 | 3344 | rVB2 | 71051 | 177507 | 1.08% | 0.205% |
| 12 | 24.261 | 3598 | 3605 | 3614 | rBV2 | 107792 | 198636 | 1.21% | 0.230% |
| 13 | 25.970 | 3889 | 3896 | 3907 | rBV2 | 87175 | 171509 | 1.05% | 0.198% |
| 14 | 27.433 | 4137 | 4145 | 4155 | rBV | 585475 | 1108147 | 6.76% | 1.281% |
| 15 | 30.324 | 4624 | 4637 | 4654 | rBV2 | 5151362 | 14287156 | 87.18% | 16.519% |
| 16 | 34.196 | 5283 | 5296 | 5309 | rBV2 | 3112236 | 8182073 | 49.93% | 9.460% |

Sum of corrected areas: 86488164

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\032202\3384.D
Operator : McLean
Acquired : 22 Mar 2002 5:45 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 2/14/02 REINJ
Misc Info :
Vial Number: 42
Quant File :5080302.RES (RTE Integrator)



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\032202\3384.D  Vial: 42
Acq On : 22 Mar 2002 5:45 pm  Operator: McLean
Sample : 2/14/02 REINJ  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

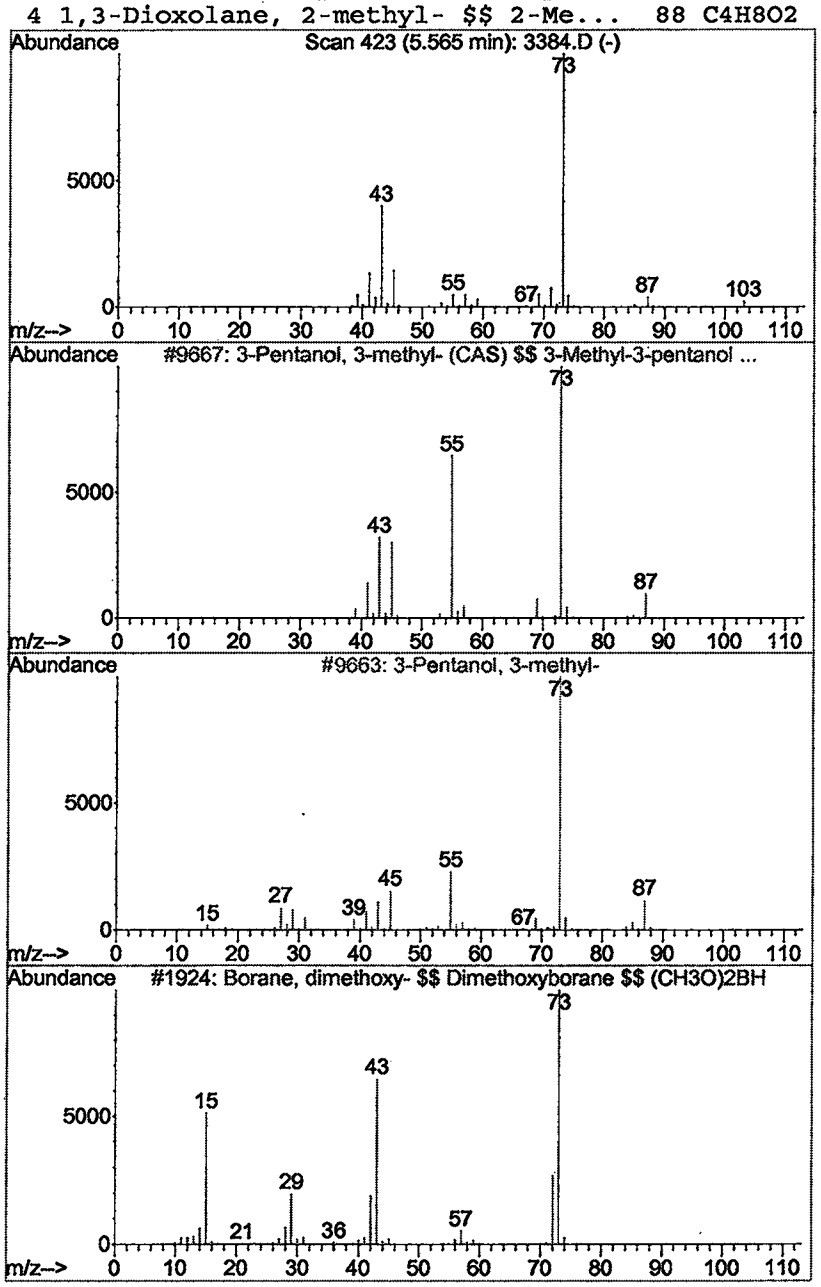
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

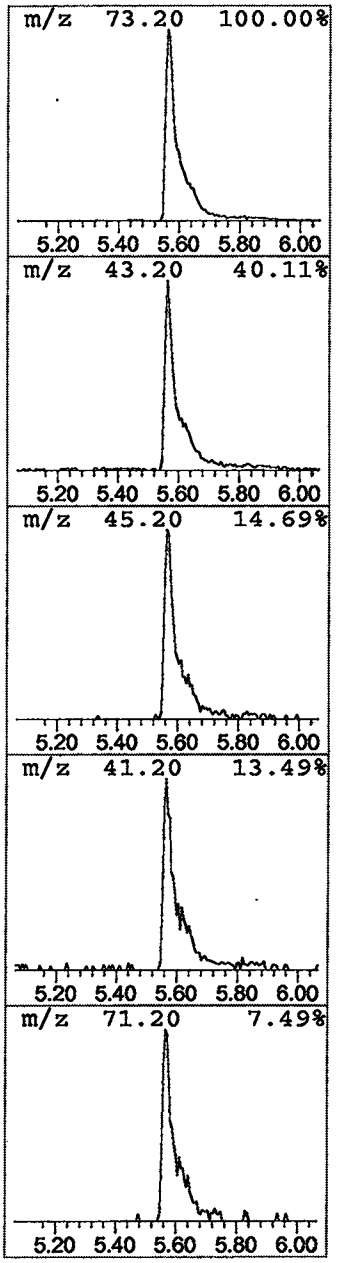
**********

Peak Number 1 3-Pentanol, 3-methyl- (CAS)... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.56 | 2.14 ug/L | 1226270 | 1,4-Dichlorobenzene-d4 | 9.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Pentanol, 3-methyl- (CAS) $$ 3... | 102 | C6H14O | 000077-74-7 | 38 |
| 2 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 36 |
| 3 | Borane, dimethoxy- $$ Dimethoxyb... | 74 | C2H7BO2 | 004542-61-4 | 9 |
| 4 | 1,3-Dioxolane, 2-methyl- $$ 2-Me... | 88 | C4H8O2 | 000497-26-7 | 9 |



Data File : C:\MSDCHEM\1\DATA\032202\3384.D  Vial: 42
Acq On : 22 Mar 2002 5:45 pm  Operator: McLean
Sample : 2/14/02 REINJ  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

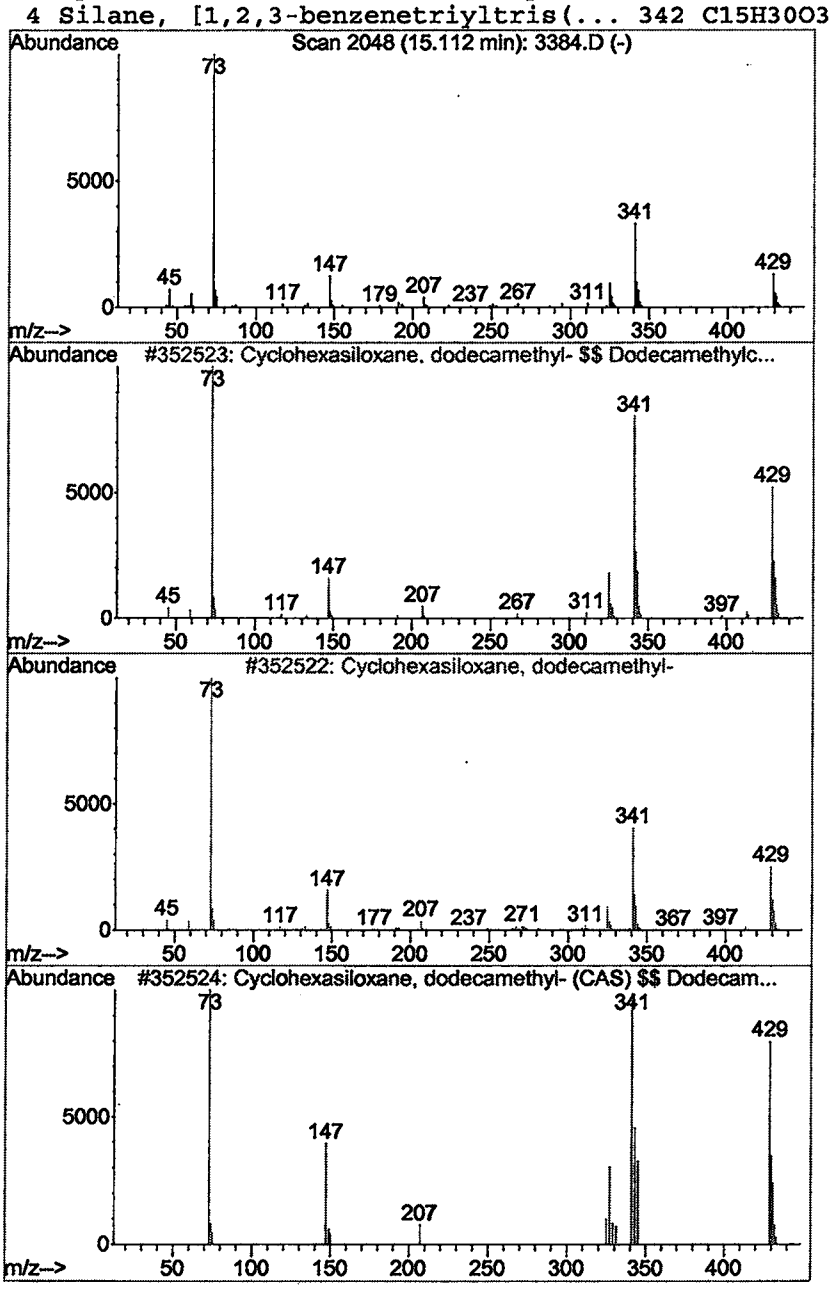
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

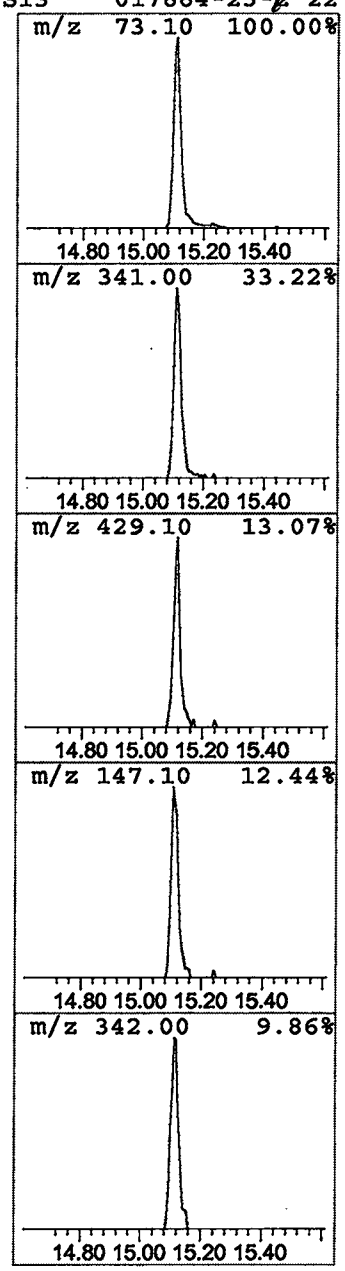
**********

Peak Number 2 Cyclohexasiloxane, dodecame... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.11 | 0.64 ug/L | 490518 | Naphthalene-d8 | 13.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexasiloxane, dodecamethyl-... | 444 | C12H36O6Si6 | 000540-97-6 | 91 |
| 2 | Cyclohexasiloxane, dodecamethyl- | 444 | C12H36O6Si6 | 000540-97-6 | 91 |
| 3 | Cyclohexasiloxane, dodecamethyl-... | 444 | C12H36O6Si6 | 000540-97-6 | 38 |
| 4 | Silane, [1,2,3-benzenetriyltris(... | 342 | C15H30O3Si3 | 017864-23-2 | 22 |



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\032202\3384.D  Vial: 42
Acq On : 22 Mar 2002 5:45 pm  Operator: McLean
Sample : 2/14/02 REINJ  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

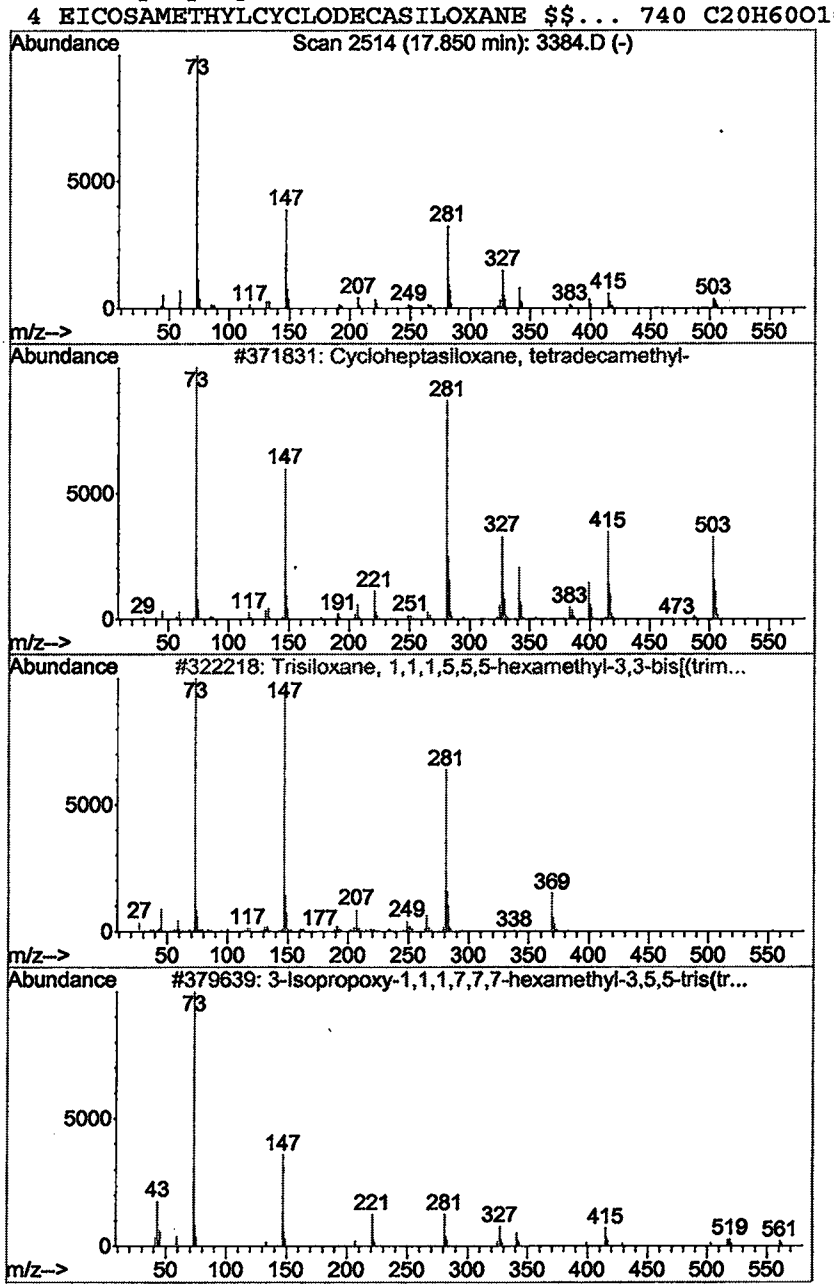
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

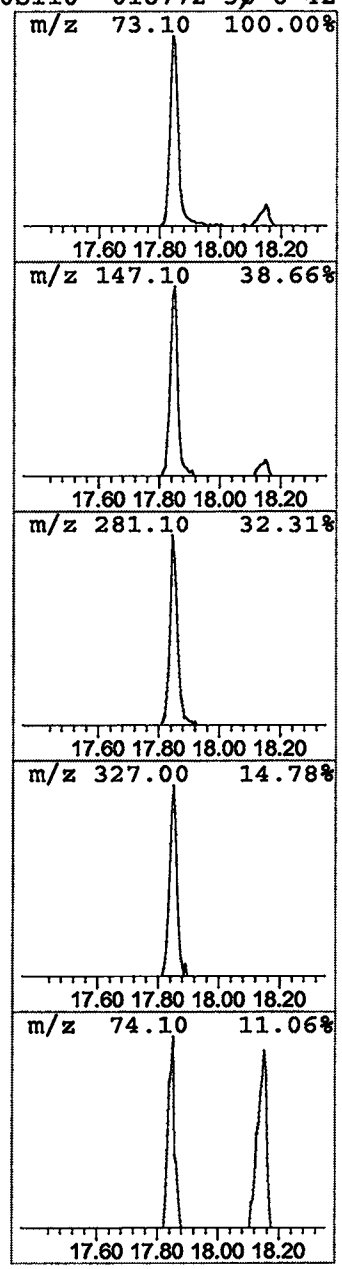
**********

Peak Number 3 Cycloheptasiloxane, tetrade... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.85 | 0.50 ug/L | 407344 | Acenaphthene-d10 | 18.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cycloheptasiloxane, tetradecamet... | 518 | C14H42O7Si7 | 000107-50-6 | 90 |
| 2 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 45 |
| 3 | 3-Isopropoxy-1,1,1,7,7,7-hexamet... | 576 | C18H52O7Si7 | 071579-69-6 | 42 |
| 4 | EICOSAMETHYLCYCLODECASILOXANE $$... | 740 | C20H60O10Si10 | 018772-36-6 | 42 |



Tentatively Identified Compound (LSC) summary

Operator ID: McLean  Date Acquired: 22 Mar 2002  5:45 pm
Data File: C:\MSDCHEM\1\DATA\032202\3384.D
Name: 2/14/02  REINJ
Misc:
Method: C:\MSDCHEM\1\5973N\5080302.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 |
| 3-Pentanol, 3-met... | 5.56 | 2.1 | ug/L | 1226270 | 1 | 9.55 | 11487100 | 20.0 |
| Cyclohexasiloxane... | 15.11 | 0.6 | ug/L | 490518 | 2 | 13.03 | 15419800 | 20.0 |
| Cycloheptasiloxan... | 17.85 | 0.5 | ug/L | 407344 | 3 | 18.15 | 16172800 | 20.0 |