User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 01/07/2002 Time: 10:09:49

Sample: AD30085
Analysis: $B1GCMS Blank for GCMS Scan
Units: ug
Started: 1/7/02 10:08 Ended: 1/7/02 10:08 Analyst: MG
Result source: manual entry
Page: 1

| | Component Name | Viol | Result | 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 | Hexachlorocyclopentadiene | | < MDL | 2.0 |
| 16 | 2-Chloronaphthalene | | < MDL | 2.0 |
| 17 | Dimethylphthalate | | < MDL | 2.0 |
| 18 | 2,6-Dinitrotoluene | | < MDL | 2.0 |
| 19 | Acenaphthylene | | < MDL | 2.0 |
| 20 | Acenaphthene | | < MDL | 2.0 |
| 21 | 2,4-Dinitrotoluene | | < MDL | 2.0 |
| 22 | Diethylphthalate | | < MDL | 2.0 |
| 23 | 4-Chlorophenylphenylether | | < MDL | 2.0 |
| 24 | Fluorene | | < MDL | 2.0 |
| 25 | Azobenzene/1,2-Diphenylhydraz | | < MDL | 2.0 |
| 26 | n-Nitrosodiphenylamine | | < MDL | 2.0 |
| 27 | 4-Bromophenylphenylether | | < MDL | 2.0 |
| 28 | Hexachlorobenzene | | < MDL | 2.0 |
| 29 | Phenanthrene | | < MDL | 2.0 |
| 30 | Anthracene | | < MDL | 2.0 |
| 31 | Di-n-butylphthalate | | < MDL | 2.0 |
| 32 | Fluoranthene | | < MDL | 2.0 |
| 33 | Pyrene | | < MDL | 2.0 |
| 34 | Butylbenzylphthalate | | < MDL | 2.0 |
| 35 | Benzo(a)anthracene | | < MDL | 2.0 |
| 36 | bis(2-Ethylhexyl)phthalate | | < MDL .32 | 2.0 |
| 37 | Chrysene | | < MDL | 2.0 |
| 38 | Di-n-octylphthalate | | < MDL | 2.0 |
| 39 | Benzo(b)fluoranthene | | < MDL | 2.0 |
| 40 | Benzo(k)fluoranthene | | < MDL | 2.0 |
| 41 | Benzo(a)pyrene | | < MDL | 2.0 |
| 42 | Indeno(1,2,3-cd)pyrene | | < MDL | 2.0 |
| 43 | Dibenz(a,h)anthracene | | < MDL | 2.0 |
| 44 | Benzo(g,h,i)perylene | | < MDL | 2.0 |

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC2701\LBA.D Vial: 4
Acq On : 27 Dec 2001 1:06 pm Operator: 209 GALOS
Sample : GC/MS SCAN 12/13 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Dec 27 13:55 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 14 12:19:30 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.68 | 152 | 902919 | 20.00 | ug/l | -0.02 |
| 10) Naphthalene-d8 | 15.29 | 136 | 3463888 | 20.00 | ug/l | -0.02 |
| 17) Acenaphthene-d10 | 20.56 | 164 | 1739938 | 20.00 | ug/l | -0.01 |
| 29) Phenanthrene-d10 | 24.99 | 188 | 2554439 | 20.00 | ug/l | 0.00 |
| 38) Chrysene-d12 | 33.02 | 240 | 1527580 | 20.00 | ug/l | -0.01 |
| 44) Perylene-d12 | 37.13 | 264 | 1007733 | 20.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.07 | 235 | 159883 | 4.32 | ug/mL | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 86.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 0.00 | 74 | 0 | N.D. | | |
| 3) bis(2-Chloroethyl)ether | 11.16 | 93 | 1574 | N.D. | | |
| 4) 1,3-Dichlorobenzene | 11.60 | 146 | 977 | N.D. | | |
| 5) 1,4-Dichlorobenzene | 11.73 | 146 | 1421 | N.D. | | |
| 6) 1,2-Dichlorobenzene | 12.27 | 146 | 1219 | N.D. | | |
| 7) 2,2'-oxybis(1-Chloropropan | 0.00 | 45 | 0 | N.D. | | |
| 8) N-Nitroso-di-n-propylamine | 0.00 | 70 | 0 | N.D. | | |
| 9) Hexachloroethane | 13.06 | 117 | 366 | N.D. | | |
| 11) Nitrobenzene | 13.35 | 77 | 325 | N.D. | | |
| 12) Isophorone | 14.11 | 82 | 301 | N.D. | | |
| 13) bis(2-Chloroethoxy)methane | 0.00 | 93 | 0 | N.D. | | |
| 14) 1,2,4-Trichlorobenzene | 15.19 | 180 | 1090 | N.D. | | |
| 15) Naphthalene | 15.34 | 128 | 7175 | N.D. | | |
| 16) Hexachlorobutadiene | 15.91 | 225 | 469 | N.D. | | |
| 18) Hexachlorocyclopentadiene | 0.00 | 237 | 0 | N.D. | | |
| 19) 2-Chloronaphthalene | 18.97 | 162 | 1215 | N.D. | | |
| 20) Dimethylphthalate | 20.11 | 163 | 1596 | N.D. | | |
| 21) 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | | |
| 22) Acenaphthylene | 20.12 | 152 | 2154 | N.D. | | |
| 23) Acenaphthene | 20.66 | 153 | 2710 | N.D. | | |
| 24) 2,4-Dinitrotoluene | 21.14 | 165 | 518 | N.D. | | |
| 25) Diethylphthalate | 22.13 | 149 | 2605 | N.D. | | |
| 26) 4-Chlorophenyl-phenylether | 22.26 | 204 | 464 | N.D. | | |
| 27) Fluorene | 22.25 | 166 | 2051 | N.D. | | |
| 28) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC2701\LBA.D Vial: 4
Acq On : 27 Dec 2001 1:06 pm Operator: 209 GALOS
Sample : GC/MS SCAN 12/13 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Dec 27 13:55 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 14 12:19:30 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 30) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) | Hexachlorobenzene | 24.11 | 284 | 506 | N.D. | |
| 33) | Phenanthrene | 25.05 | 178 | 4954 | N.D. | |
| 34) | Anthracene | 25.20 | 178 | 2364 | N.D. | |
| 35) | Di-n-butylphthalate | 27.02 | 149 | 57658 | 0.32 ug/l # | 98 |
| 36) | Fluoranthene | 28.77 | 202 | 1909 | N.D. | |
| 39) | Pyrene | 29.42 | 202 | 2750 | N.D. | |
| 40) | Butylbenzylphthalate | 31.54 | 149 | 739 | N.D. | |
| 41) | Benzo(a)anthracene | 33.02 | 228 | 7495 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.31 | 149 | 16854 | N.D. | |
| 43) | Chrysene | 33.10 | 228 | 6183 | N.D. | |
| 45) | Di-n-Octylphthalate | 35.05 | 149 | 1482 | N.D. | |
| 46) | Benzo(b)fluoranthene | 36.09 | 252 | 2505 | N.D. | |
| 47) | Benzo(k)fluoranthene | 36.14 | 252 | 6640 | N.D. | |
| 48) | Benzo(a)pyrene | 36.97 | 252 | 1763 | N.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. | |

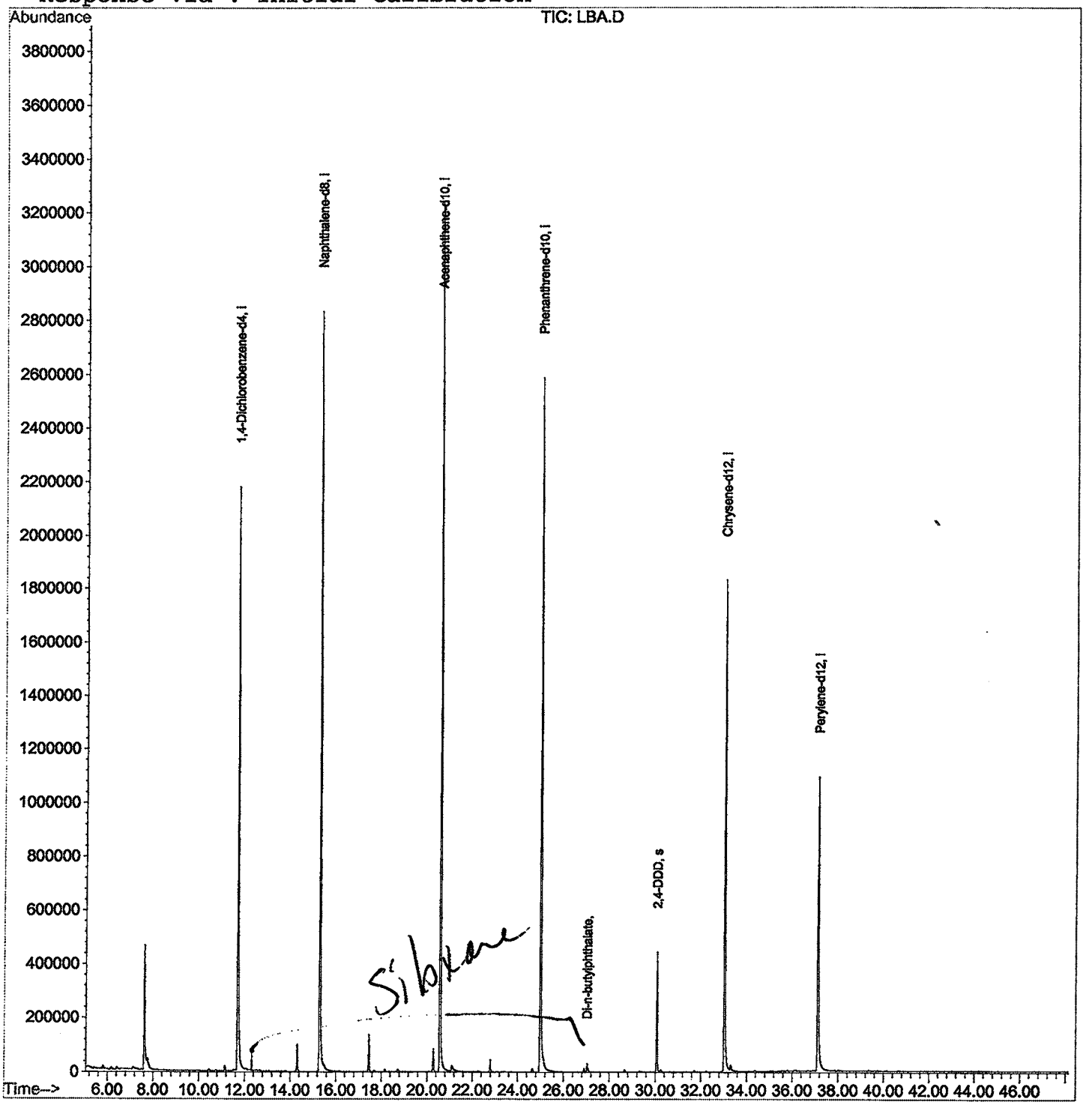
(#) = qualifier out of range (m) = manual integration

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC2701\LBA.D
Acq On : 27 Dec 2001 1:06 pm
Sample : GC/MS SCAN 12/13
Misc :
MS Integration Params: GOOFY.P
Quant Time: Dec 27 13:55 2001

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 14 12:19:30 2001
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC2701\LBA.D
Acq On : 27 Dec 2001 1:06 pm
Sample : GC/MS SCAN 12/13
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
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

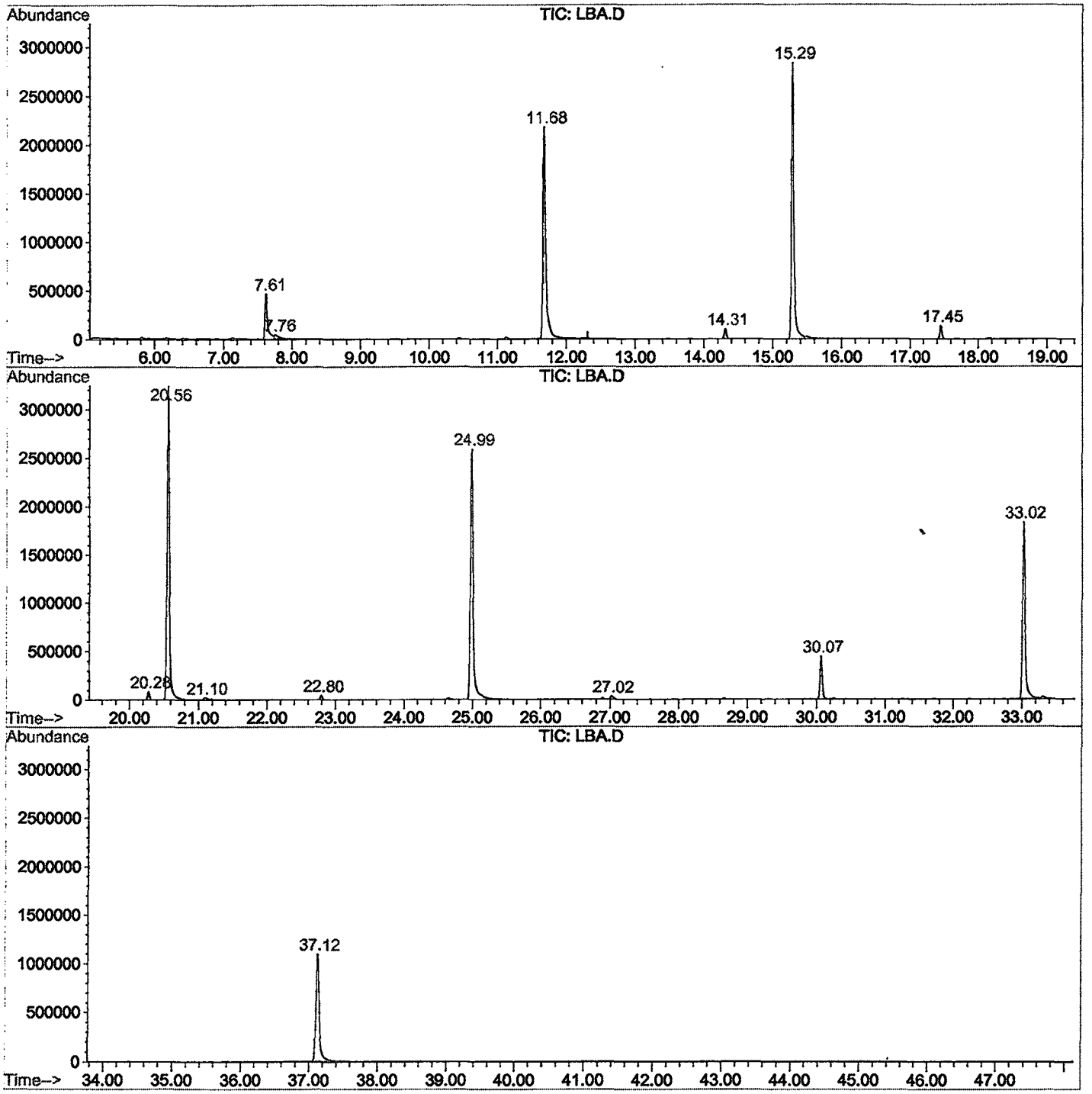
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.611 | 276 | 280 | 294 | rBV | 461756 | 1273971 | 16.77% | 3.239% |
| 2 | 7.758 | 294 | 296 | 308 | rVB | 38282 | 146717 | 1.93% | 0.373% |
| 3 | 11.678 | 718 | 723 | 749 | rBV | 2175793 | 5609901 | 73.84% | 14.262% |
| 4 | 14.313 | 1004 | 1010 | 1017 | rVB | 101351 | 213370 | 2.81% | 0.542% |
| 5 | 15.286 | 1110 | 1116 | 1135 | rBV | 2832560 | 6994558 | 92.07% | 17.782% |
| 6 | 17.452 | 1347 | 1352 | 1359 | rBV | 136641 | 279064 | 3.67% | 0.709% |
| 7 | 20.280 | 1654 | 1660 | 1666 | rBV2 | 84643 | 167974 | 2.21% | 0.427% |
| 8 | 20.565 | 1685 | 1691 | 1713 | rBV | 3241908 | 7597190 | 100.00% | 19.314% |
| 9 | 21.097 | 1744 | 1749 | 1762 | rBV2 | 19961 | 97627 | 1.29% | 0.248% |
| 10 | 22.795 | 1928 | 1934 | 1939 | rBV | 45280 | 93534 | 1.23% | 0.238% |
| 11 | 24.990 | 2166 | 2173 | 2209 | rBV2 | 2587601 | 7130722 | 93.86% | 18.128% |
| 12 | 27.018 | 2389 | 2394 | 2406 | rBV | 31584 | 100062 | 1.32% | 0.254% |
| 13 | 30.066 | 2720 | 2726 | 2740 | rBV | 443995 | 995041 | 13.10% | 2.530% |
| 14 | 33.022 | 3042 | 3048 | 3074 | rBV2 | 1829209 | 4923908 | 64.81% | 12.518% |
| 15 | 37.117 | 3486 | 3494 | 3519 | rBV2 | 1090126 | 3712308 | 48.86% | 9.437% |

Sum of corrected areas: 39335947

LBA.D GCMS1126.M Fri Dec 28 15:07:07 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC2701\LBA.D
Operator : 209 GALOS
Acquired : 27 Dec 2001 1:06 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: GC/MS SCAN 12/13
Misc Info :
Vial Number: 4
Quant File :GCMS1126.RES (RTE Integrator)




LBA.D GCMS1126.M Fri Dec 28 15:07:14 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2701\LBA.D
Acq On : 27 Dec 2001 1:06 pm
Sample : GC/MS SCAN 12/13
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

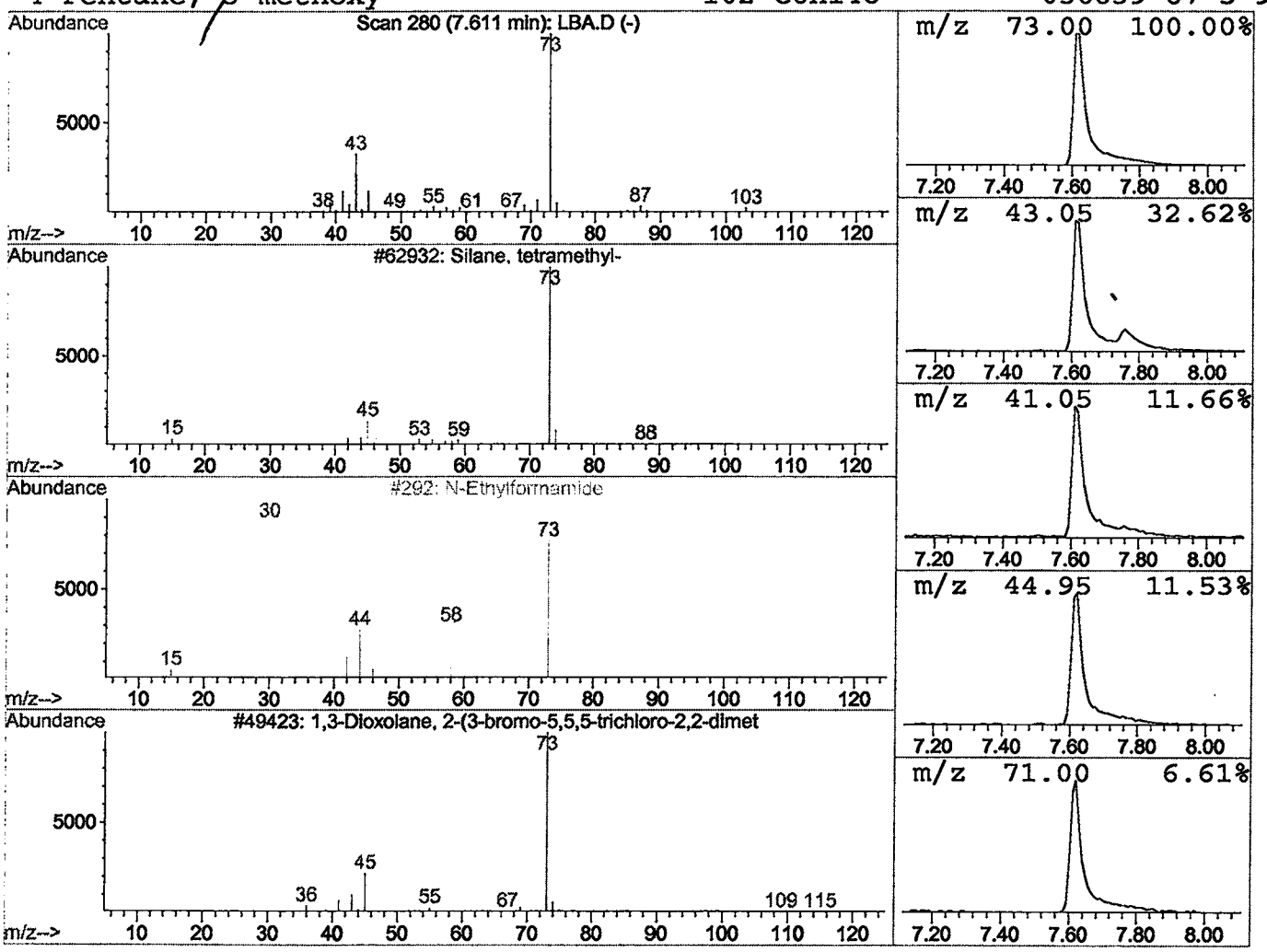
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.61 | 4.54 ug/l | 1273970 | 1,4-Dichlorobenzene-d4 | 11.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | 1,3-Dioxolane, 2-(3-bromo-5,5,5-tri | 352 | C10H16BrCl3O2 | 000000-00-0 | 9 |
| 4 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2701\LBA.D
Acq On : 27 Dec 2001 1:06 pm
Sample : GC/MS SCAN 12/13
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

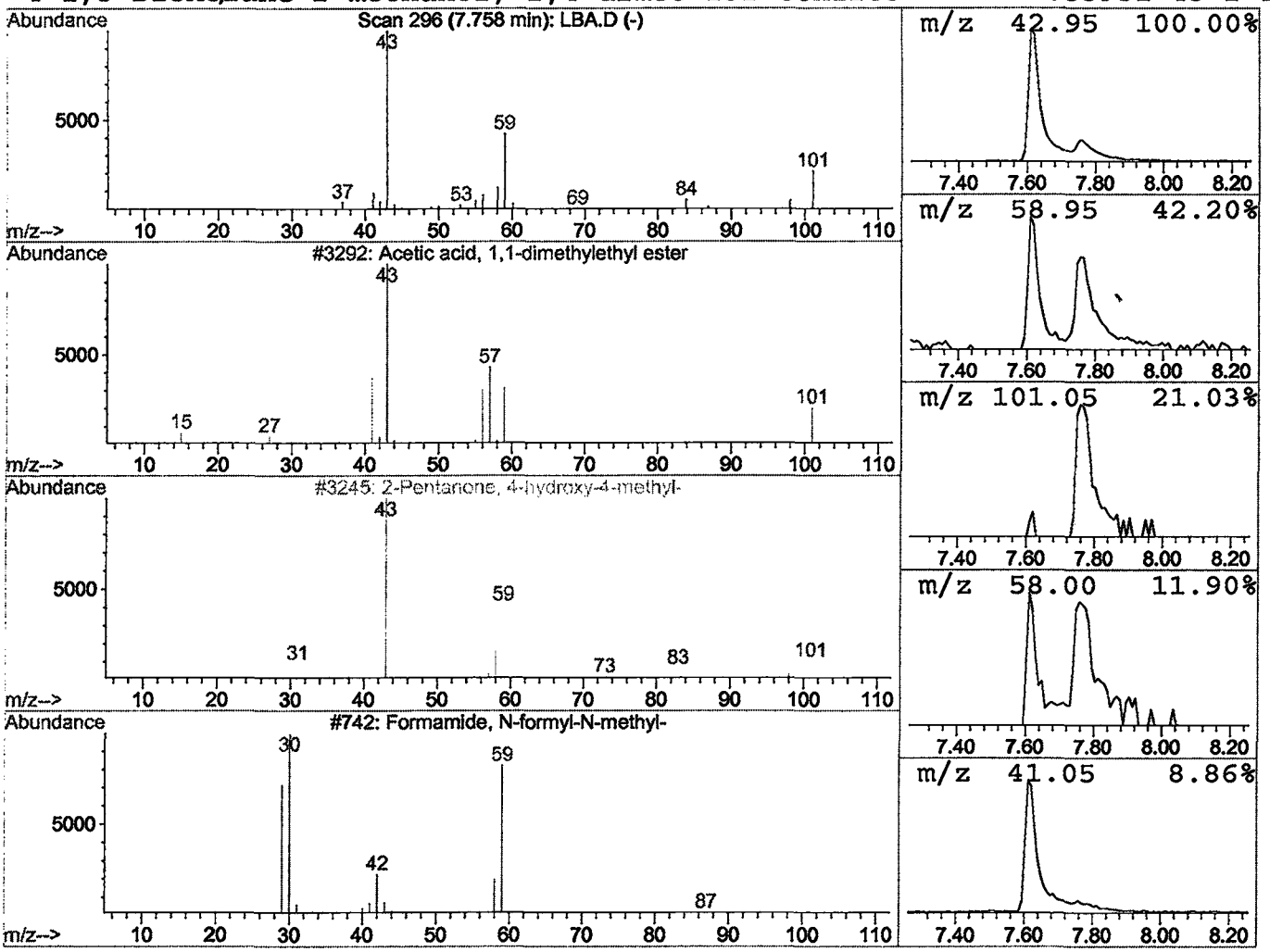
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 Acetic acid, 1,1-dimethylethyl Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.76 | 0.52 ug/l | 146717 | 1,4-Dichlorobenzene-d4 | 11.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetic acid, 1,1-dimethylethyl este | 116 | C6H12O2 | 000540-88-5 | 38 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 33 |
| 3 | Formamide, N-formyl-N-methyl- | 87 | C3H5NO2 | 018197-25-6 | 9 |
| 4 | 1,3-Dioxolane-2-methanol, 2,4-dimet | 132 | C6H12O3 | 053951-43-2 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2701\LBA.D
Acq On : 27 Dec 2001 1:06 pm
Sample : GC/MS SCAN 12/13
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

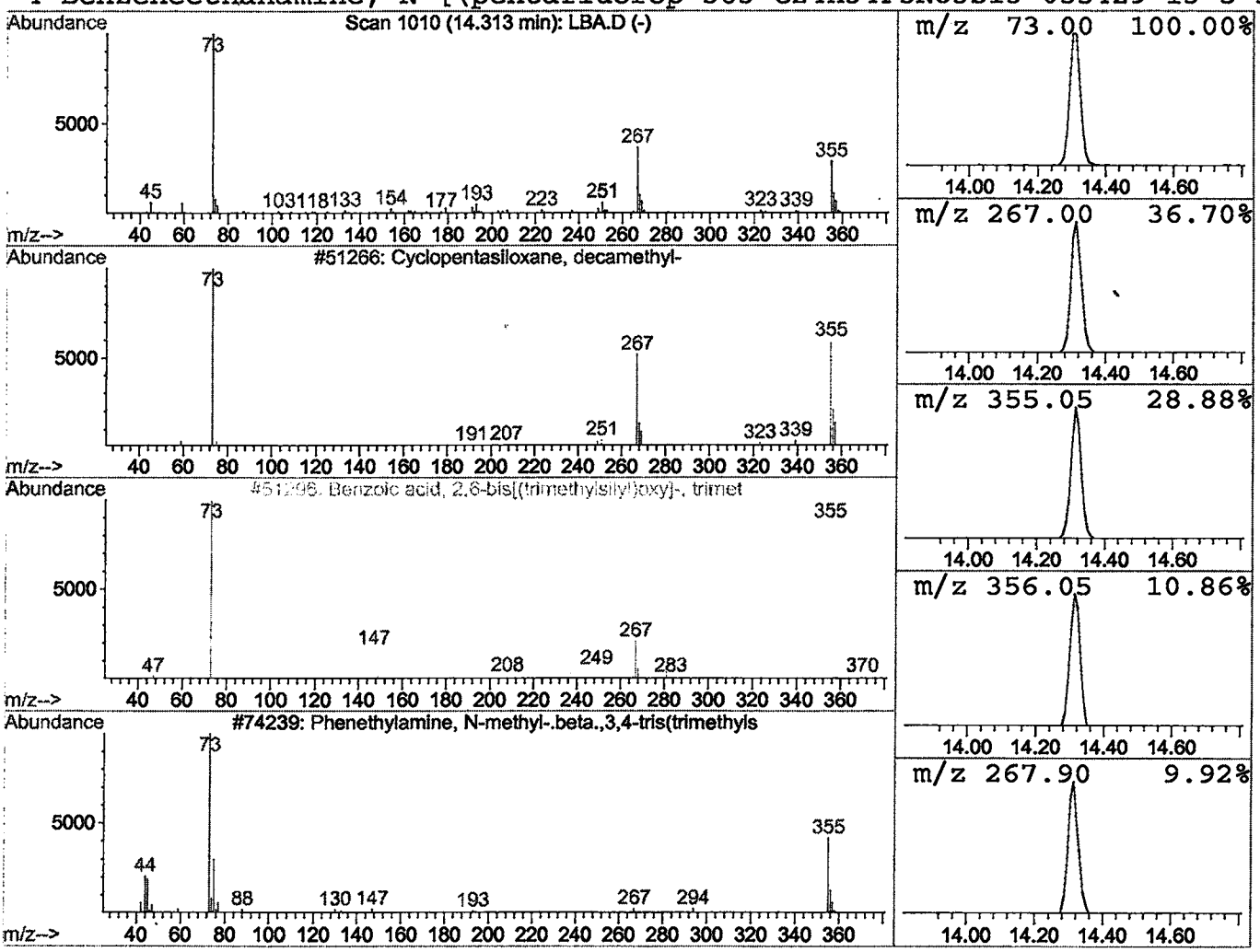
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 Cyclopentasiloxane, decamethyl Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.31 | 0.61 ug/l | 213370 | Naphthalene-d8 | 15.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 50 |
| 2 | Benzoic acid, 2,6-bis[(trimethylsil | 370 | C16H30O4Si3 | 003782-85-2 | 40 |
| 3 | Phenethylamine, N-methyl-.beta.,3,4 | 399 | C18H37NO3Si3 | 010538-85-9 | 38 |
| 4 | Benzeneethanamine, N-[(pentafluorop | 563 | C24H34F5NO3Si3 | 055429-13-5 | 37 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2701\LBA.D
Acq On : 27 Dec 2001 1:06 pm
Sample : GC/MS SCAN 12/13
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

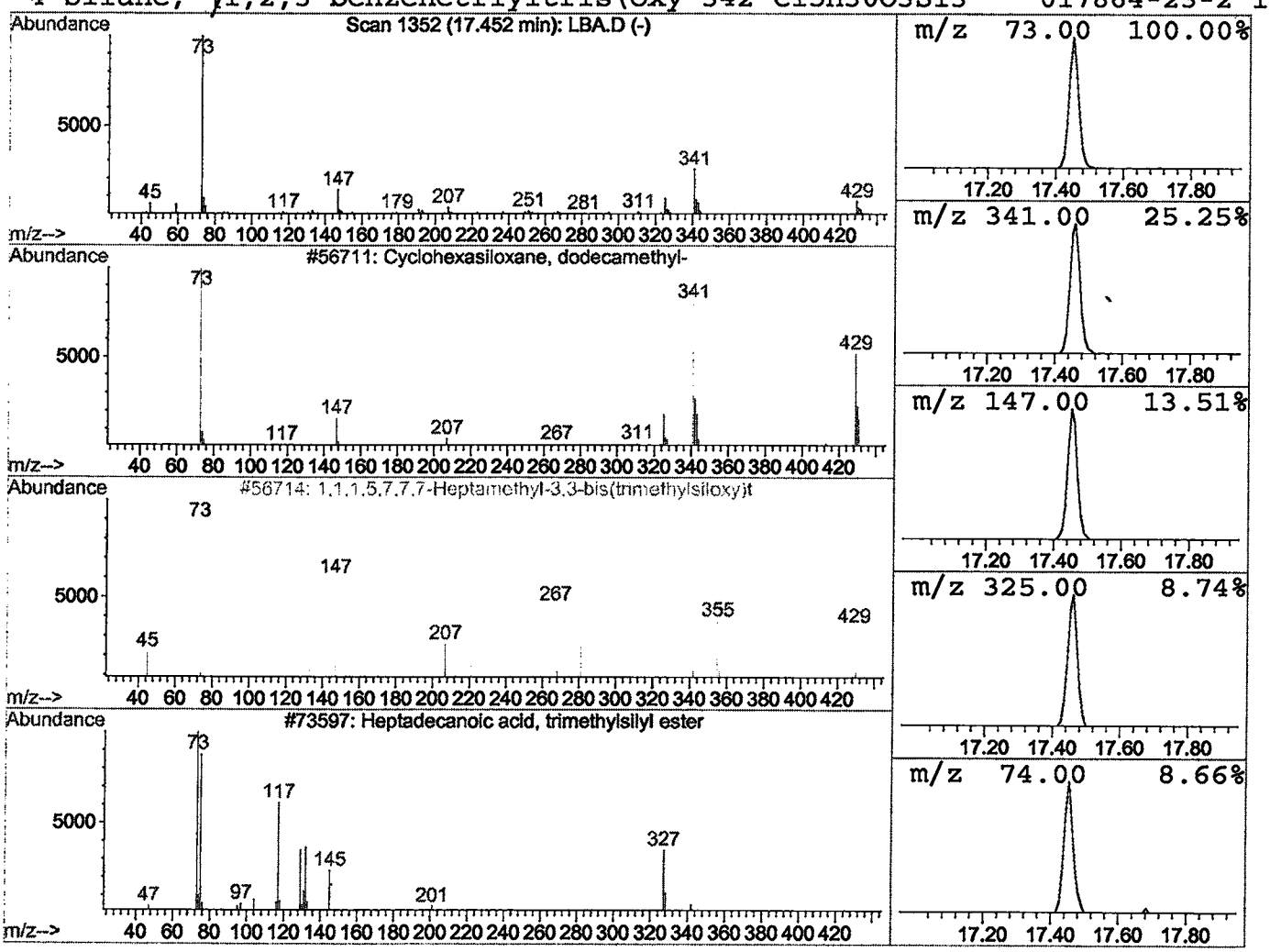
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 4 Cyclohexasiloxane, dodecamethy Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.45 | 0.80 ug/l | 279064 | Naphthalene-d8 | 15.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexasiloxane, dodecamethyl- | 444 | C12H36O6Si6 | 000540-97-6 | 36 |
| 2 | 1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t | 444 | C13H40O5Si6 | 038147-00-1 | 25 |
| 3 | Heptadecanoic acid, trimethylsilyl | 342 | C20H42O2Si | 055517-58-3 | 12 |
| 4 | Silane, [1,2,3-benzenetriyltris(oxy | 342 | C15H30O3Si3 | 017864-23-2 | 10 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2701\LBA.D
Acq On : 27 Dec 2001 1:06 pm
Sample : GC/MS SCAN 12/13
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

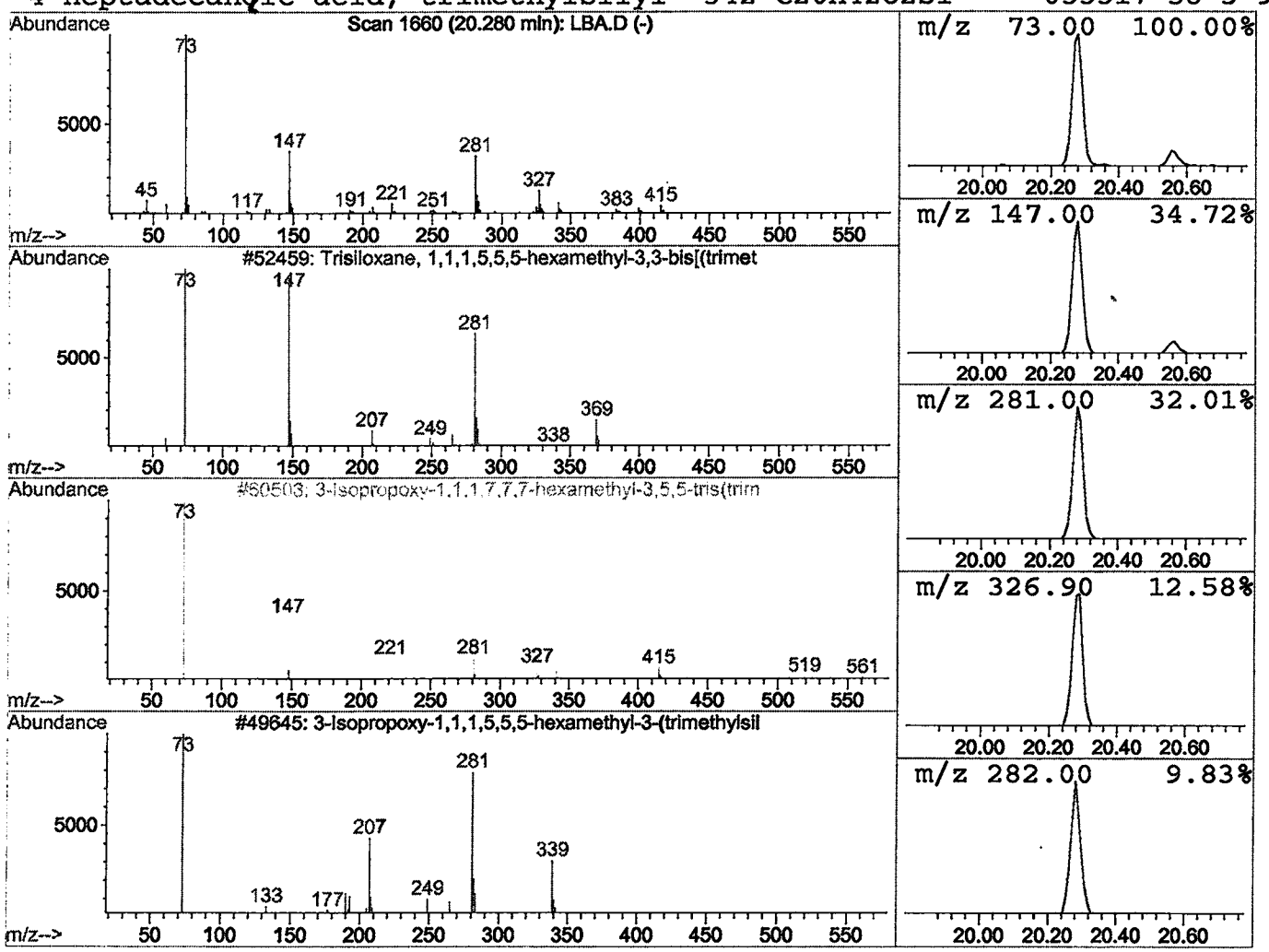
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 5 Trisiloxane, 1,1,1,5,5,5-hexam Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.28 | 0.44 ug/l | 167974 | Acenaphthene-d10 | 20.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trisiloxane, 1,1,1,5,5,5-hexamethyl | 384 | C12H36O4Si5 | 003555-47-3 | 42 |
| 2 | 3-Isopropoxy-1,1,1,7,7,7-hexamethyl | 576 | C18H52O7Si7 | 071579-69-6 | 36 |
| 3 | 3-Isopropoxy-1,1,1,5,5,5-hexamethyl | 354 | C12H34O4Si4 | 072182-11-7 | 20 |
| 4 | Heptadecanoic acid, trimethylsilyl | 342 | C20H42O2Si | 055517-58-3 | 9 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 27 Dec 2001 1:06 pm
Data File: C:\HPCHEM\1\DATA\DEC2701\LBA.D
Name: GC/MS SCAN 12/13
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

| TIC Top Hit name | RT | EstConc | Units | Area | IntStd | ISRT | ISArea | ISConc |
|---|---|---|---|---|---|---|---|---|
| Silane, tetramethyl- | 7.61 | 4.5 | ug/l | 1273970 | ISTD01 | 11.68 | 5609900 | 20.0 |
| Acetic acid, 1,1-dim | 7.76 | 0.5 | ug/l | 146717 | ISTD01 | 11.68 | 5609900 | 20.0 |
| Cyclopentasiloxane, | 14.31 | 0.6 | ug/l | 213370 | ISTD02 | 15.29 | 6994560 | 20.0 |
| Cyclohexasiloxane, d | 17.45 | 0.8 | ug/l | 279064 | ISTD02 | 15.29 | 6994560 | 20.0 |
| Trisiloxane, 1,1,1,5 | 20.28 | 0.4 | ug/l | 167974 | ISTD03 | 20.56 | 7597190 | 20.0 |

LBA.D GCMS1126.M Fri Dec 28 15:07:43 2001