**Comments for Sample AD28802 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-16-2001 Time: 09:49:16

The GCMS scan, from 35 to 550 amu, does reveal the presence of bis(2-Ethylhexyl)phthalate at an estimated level of 0.32 ug/L. It is also present in the Laboratory Blank at 0.30 ug/L. Also present is bis(2-Ethylhexyl)decanedioic acid at an estimated level of 16 ug/L and with a fit of 91 out of 100. Recoveries for 1 of the 43 compounds in the LCS Standard was above its acceptance range.

58
11/26/01
Deca
.32 ug/L
91/100
FB - analyzed independently on 28800
clean.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/16/2001 Time: 09:49:21

Sample: AD28802
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/11/01 16:56 Ended: 12/11/01 16:56 Analyst: MG
Result source: manual entry
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | [illegible] | [illegible] | [illegible] | | [illegible] |

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0601\28802.D Vial: 29
Acq On : 7 Dec 2001 3:00 am Operator: 209 GALOS
Sample : 11/27 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 7 3:48 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.67 | 152 | 1085140 | 20.00 | ug/l | -0.03 |
| 15) Naphthalene-d8 | 15.28 | 136 | 4090048 | 20.00 | ug/l | -0.03 |
| 26) Acenaphthene-d10 | 20.56 | 164 | 2029854 | 20.00 | ug/l | -0.02 |
| 42) Phenanthrene-d10 | 24.97 | 188 | 2976527 | 20.00 | ug/l | -0.02 |
| 53) Chrysene-d12 | 33.01 | 240 | 1920177 | 20.00 | ug/l | -0.03 |
| 59) Perylene-d12 | 37.10 | 264 | 1370905 | 20.00 | ug/l | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 52) 2,4-DDD | 30.05 | 235 | 196426 | 5.54 | ug/mL | -0.02 |
| Spiked Amount 5.000 | | | Recovery = 110.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Pyridine | 0.00 | 79 | 0 | N.D. | | |
| 3) N-nitroso-dimethyl amine | 5.25 | 74 | 867 | N.D. | | |
| 4) Phenol | 11.01 | 94 | 351 | N.D. | | |
| 5) bis(2-Chloroethyl)ether | 0.00 | 93 | 0 | N.D. | | |
| 6) 2-Chlorophenol | 0.00 | 128 | 0 | N.D. | | |
| 7) 1,3-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 8) 1,4-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 9) 1,2-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 10) 2-Methylphenol | 0.00 | 108 | 0 | N.D. | | |
| 11) 2,2'-oxybis(1-Chloropropan | 0.00 | 45 | 0 | N.D. | | |
| 12) 3&4-Methylphenol | 0.00 | 108 | 0 | N.D. | | |
| 13) N-Nitroso-di-n-propylamine | 0.00 | 70 | 0 | N.D. | | |
| 14) Hexachloroethane | 0.00 | 117 | 0 | N.D. | | |
| 16) Nitrobenzene | 12.93 | 77 | 2699 | N.D. | | |
| 17) Isophorone | 14.04 | 82 | 496 | N.D. | | |
| 18) 2-Nitrophenol | 0.00 | 139 | 0 | N.D. | | |
| 19) 2,4-Dimethylphenol | 0.00 | 107 | 0 | N.D. | | |
| 20) bis(2-Chloroethoxy)methane | 0.00 | 93 | 0 | N.D. | | |
| 21) 2,4-Dichlorophenol | 0.00 | 162 | 0 | N.D. | | |
| 22) 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | | |
| 23) Naphthalene | 15.33 | 128 | 2260 | N.D. | | |
| 24) Hexachlorobutadiene | 0.00 | 225 | 0 | N.D. | | |
| 25) 4-Chloro-3-methylphenol | 0.00 | 107 | 0 | N.D. | | |
| 27) Hexachlorocyclopentadiene | 0.00 | 237 | 0 | N.D. | | |
| 28) 2,4,6-Trichlorophenol | 0.00 | 196 | 0 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0601\28802.D Vial: 29
Acq On : 7 Dec 2001 3:00 am Operator: 209 GALOS
Sample : 11/27 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 7 3:48 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

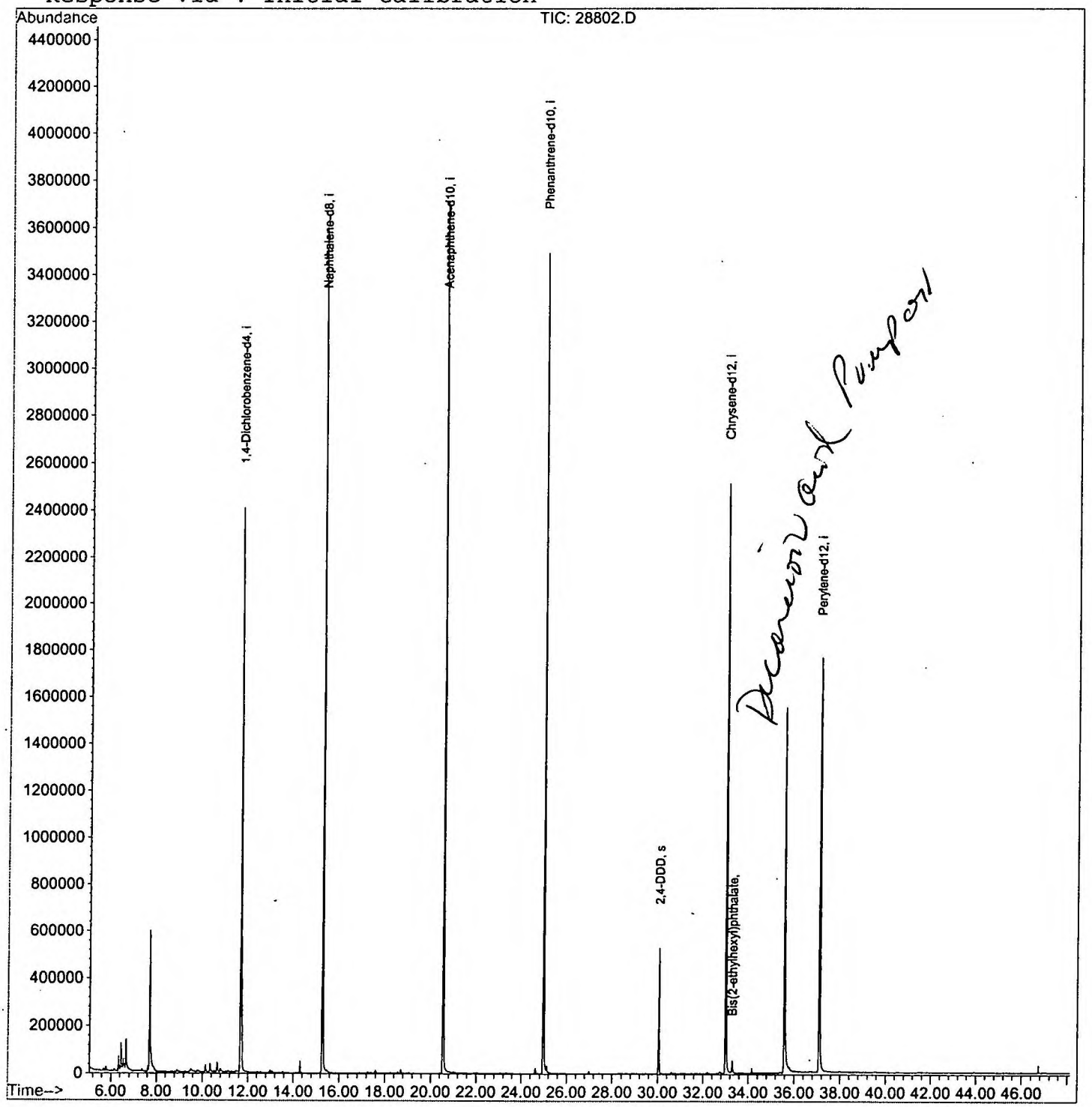
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 29) | 2,4,5-Trichlorophenol | 0.00 | 196 | 0 | N.D. | |
| 30) | 2-Chloronaphthalene | 0.00 | 162 | 0 | N.D. | |
| 31) | Dimethylphthalate | 0.00 | 163 | 0 | N.D. | |
| 32) | 2,6-Dinitrotoluene | 20.12 | 165 | 307 | N.D. | |
| 33) | Acenaphthylene | 0.00 | 152 | 0 | N.D. | |
| 34) | Acenaphthene | 0.00 | 153 | 0 | N.D. | |
| 35) | 2,4-Dinitrophenol | 0.00 | 184 | 0 | N.D. | |
| 36) | 4-Nitrophenol | 21.03 | 65 | 438 | N.D. | |
| 37) | 2,4-Dinitrotoluene | 21.24 | 165 | 178 | N.D. | |
| 38) | Diethylphthalate | 22.07 | 149 | 2483 | N.D. | |
| 39) | 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | |
| 40) | Fluorene | 0.00 | 166 | 0 | N.D. | |
| 41) | Azobenzen/ 1,2-Diphenylhyd | 22.71 | 77 | 105 | N.D. | |
| 43) | 4,6-Dinitro-2-methylphenol | 0.00 | 198 | 0 | N.D. | |
| 44) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 45) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 46) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 47) | Pentachlorophenol | 0.00 | 266 | 0 | N.D. | |
| 48) | Phenanthrene | 25.04 | 178 | 476 | N.D. | |
| 49) | Anthracene | 25.04 | 178 | 476 | N.D. | |
| 50) | Di-n-butylphthalate | 26.98 | 149 | 13788 | N.D. | |
| 51) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 54) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 55) | Butylbenzylphthalate | 31.49 | 149 | 1359 | N.D. | |
| 56) | Benzo(a)anthracene | 33.01 | 228 | 5002 | N.D. | |
| 57) | Bis(2-ethylhexyl)phthalate | 33.29 | 149 | 37158 | 0.32 ug/l | 98 |
| 58) | Chrysene | 33.01 | 228 | 5002 | N.D. | |
| 60) | Di-n-Octylphthalate | 35.03 | 149 | 1367 | N.D. | |
| 61) | Benzo(b)fluoranthene | 36.07 | 252 | 932 | N.D. | |
| 62) | Benzo(k)fluoranthene | 36.12 | 252 | 419 | N.D. | |
| 63) | Benzo(a)pyrene | 36.94 | 252 | 339 | N.D. | |
| 64) | Indeno(1,2,3-cd)pyrene | 40.82 | 276 | 207 | N.D. | |
| 65) | Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 66) | Benzo(g,h,i)perylene | 41.90 | 276 | 674 | N.D. | |

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

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28802.D Vial: 29
Acq On : 7 Dec 2001 3:00 am Operator: 209 GALOS
Sample : 11/27 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 7 3:48 2001 Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28802.D  Vial: 29
Acq On : 7 Dec 2001 3:00 am  Operator: 209 GALOS
Sample : 11/27 gc/ms scan  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

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

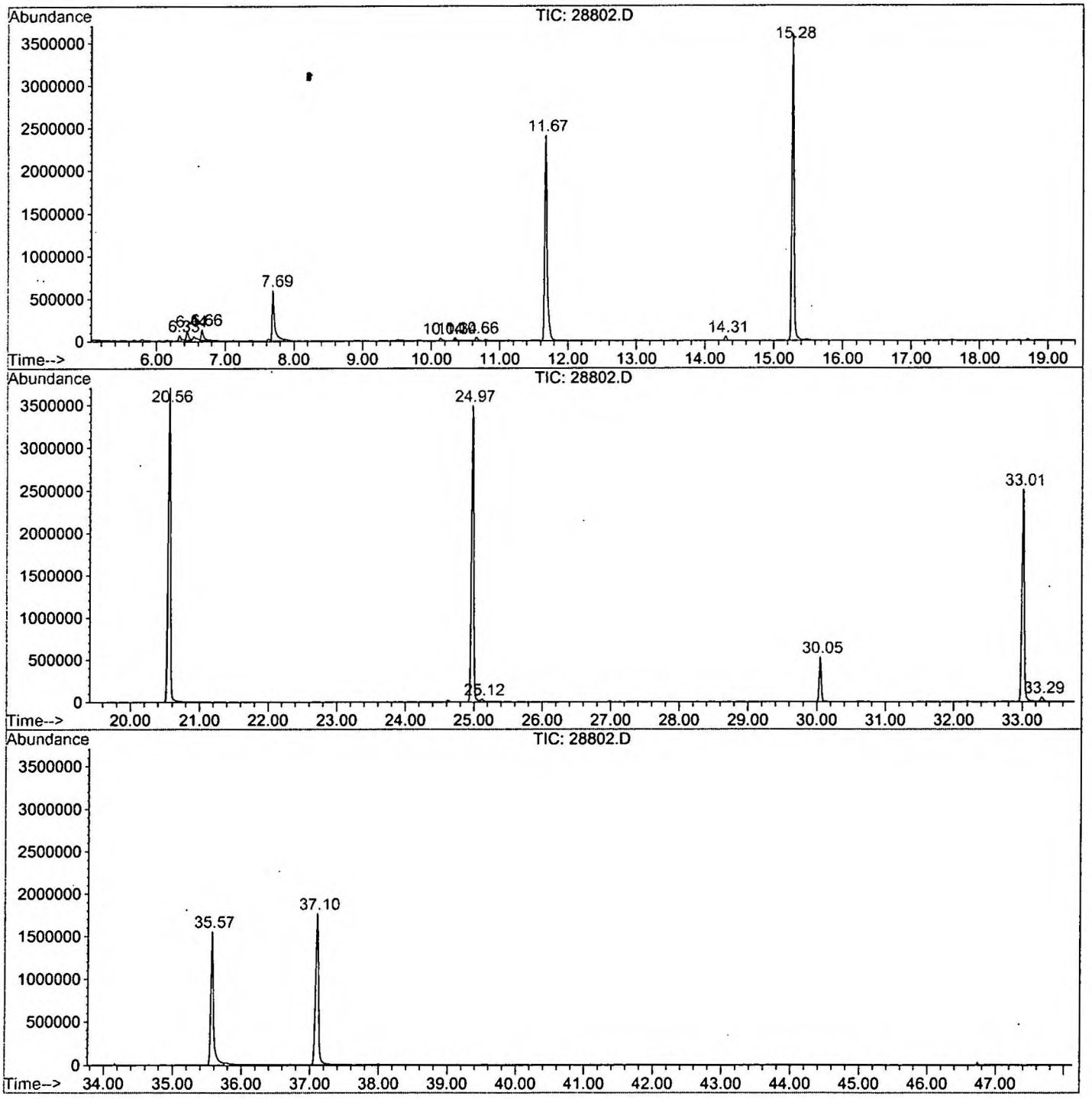
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.327 | 137 | 140 | 143 | rBV | 63864 | 119442 | 1.44% | 0.246% |
| 2 | 6.438 | 149 | 152 | 160 | rBV2 | 111778 | 250869 | 3.03% | 0.516% |
| 3 | 6.658 | 172 | 176 | 194 | rVB | 129679 | 328551 | 3.96% | 0.676% |
| 4 | 7.686 | 285 | 288 | 308 | rVV | 590058 | 1533118 | 18.50% | 3.154% |
| 5 | 10.137 | 549 | 555 | 565 | rBV | 32810 | 85462 | 1.03% | 0.176% |
| 6 | 10.339 | 573 | 577 | 585 | rBV | 38047 | 96680 | 1.17% | 0.199% |
| 7 | 10.660 | 607 | 612 | 622 | rVB | 42353 | 103542 | 1.25% | 0.213% |
| 8 | 11.670 | 717 | 722 | 741 | rBV | 2404350 | 5845952 | 70.55% | 12.026% |
| 9 | 14.305 | 1004 | 1009 | 1015 | rVB | 51188 | 98875 | 1.19% | 0.203% |
| 10 | 15.278 | 1109 | 1115 | 1129 | rBV | 3595588 | 7647551 | 92.29% | 15.732% |
| 11 | 20.557 | 1683 | 1690 | 1713 | rBV | 3710827 | 8286542 | 100.00% | 17.047% |
| 12 | 24.973 | 2165 | 2171 | 2183 | rBV2 | 3490706 | 7880702 | 95.10% | 16.212% |
| 13 | 25.119 | 2183 | 2187 | 2199 | rVB | 30386 | 97689 | 1.18% | 0.201% |
| 14 | 30.049 | 2718 | 2724 | 2731 | rBV | 527617 | 1049421 | 12.66% | 2.159% |
| 15 | 33.005 | 3039 | 3046 | 3066 | rBV2 | 2509508 | 6052200 | 73.04% | 12.451% |
| 16 | 33.290 | 3072 | 3077 | 3085 | rBV | 50066 | 121559 | 1.47% | 0.250% |
| 17 | 35.567 | 3319 | 3325 | 3345 | rBV | 1547342 | 3998367 | 48.25% | 8.225% |
| 18 | 37.100 | 3484 | 3492 | 3512 | rBV2 | 1756703 | 5013410 | 60.50% | 10.314% |

Sum of corrected areas: 48609932

28802.D GCMS1126.M Wed Dec 12 11:34:30 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0601\28802.D
Operator : 209 GALOS
Acquired : 7 Dec 2001 3:00 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/27 gc/ms scan
Misc Info :
Vial Number: 29
Quant File :GCMS1126.RES (RTE Integrator)




28802.D GCMS1126.M Wed Dec 12 11:34:36 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28802.D
Acq On : 7 Dec 2001 3:00 am
Sample : 11/27 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 29
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

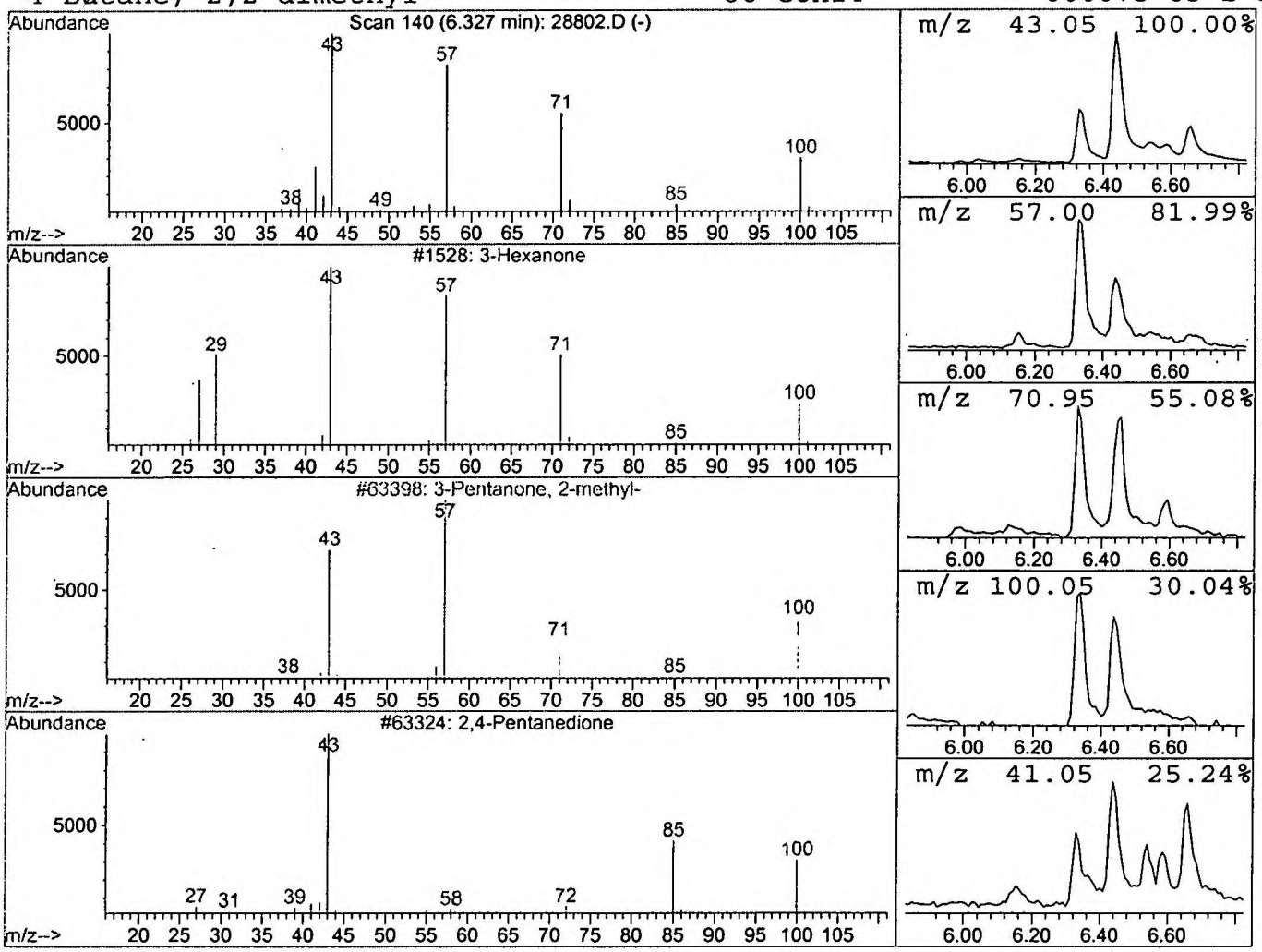
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 3-Hexanone Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.33 | 0.41 ug/l | 119442 | 1,4-Dichlorobenzene-d4 | 11.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Hexanone | 100 | C6H12O | 000589-38-8 | 91 |
| 2 | 3-Pentanone, 2-methyl- | 100 | C6H12O | 000565-69-5 | 47 |
| 3 | 2,4-Pentanedione | 100 | C5H8O2 | 000123-54-6 | 38 |
| 4 | Butane, 2,2-dimethyl- | 86 | C6H14 | 000075-83-2 | 36 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28802.D
Acq On : 7 Dec 2001 3:00 am
Sample : 11/27 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 29
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

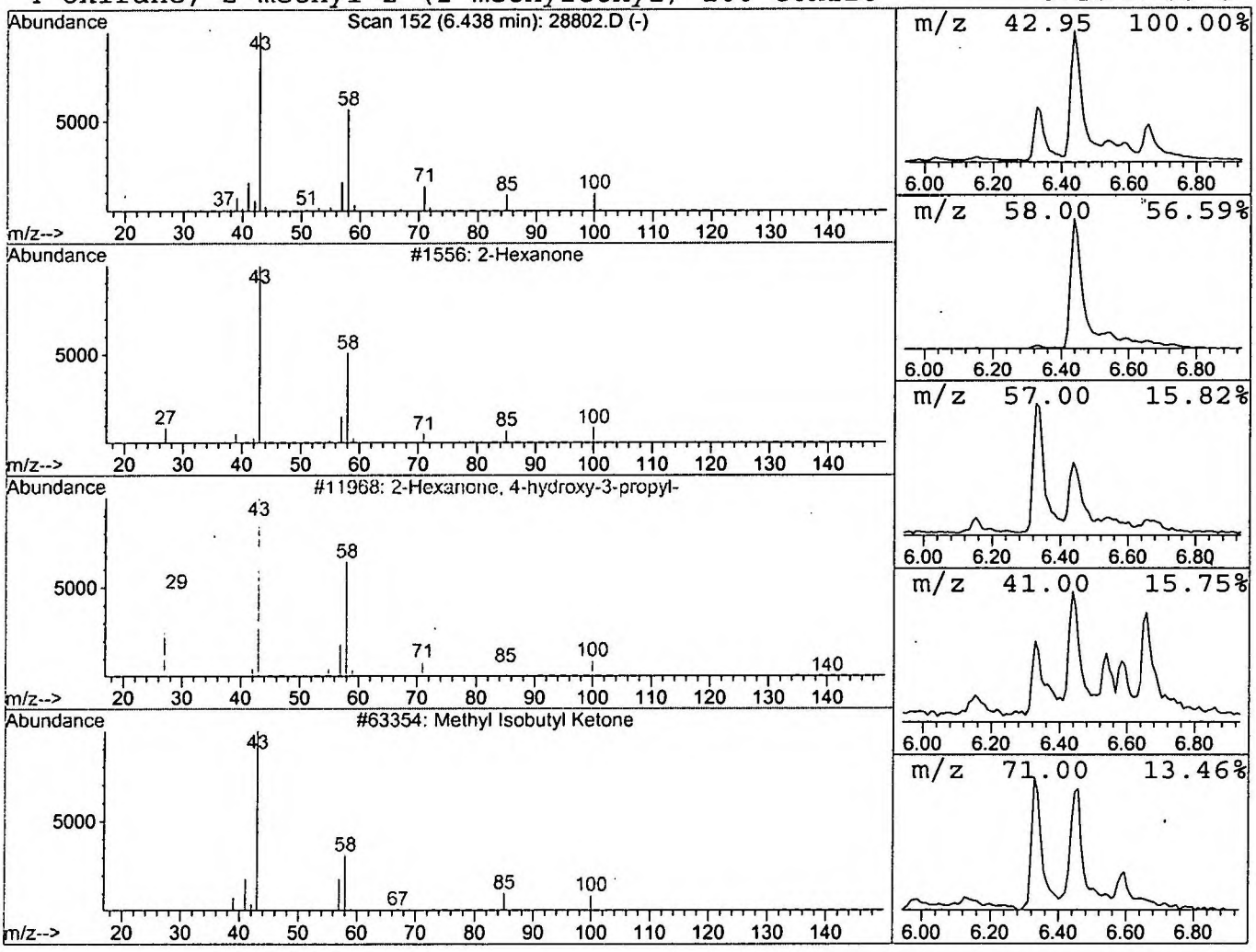
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 2-Hexanone Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.44 | 0.86 ug/l | 250869 | 1,4-Dichlorobenzene-d4 | 11.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexanone | 100 | C6H12O | 000591-78-6 | 87 |
| 2 | 2-Hexanone, 4-hydroxy-3-propyl- | 158 | C9H18O2 | 062338-17-4 | 83 |
| 3 | Methyl Isobutyl Ketone | 100 | C6H12O | 000108-10-1 | 58 |
| 4 | Oxirane, 2-methyl-2-(1-methylethyl) | 100 | C6H12O | 072221-03-5 | 45 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28802.D
Acq On : 7 Dec 2001 3:00 am
Sample : 11/27 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 29
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

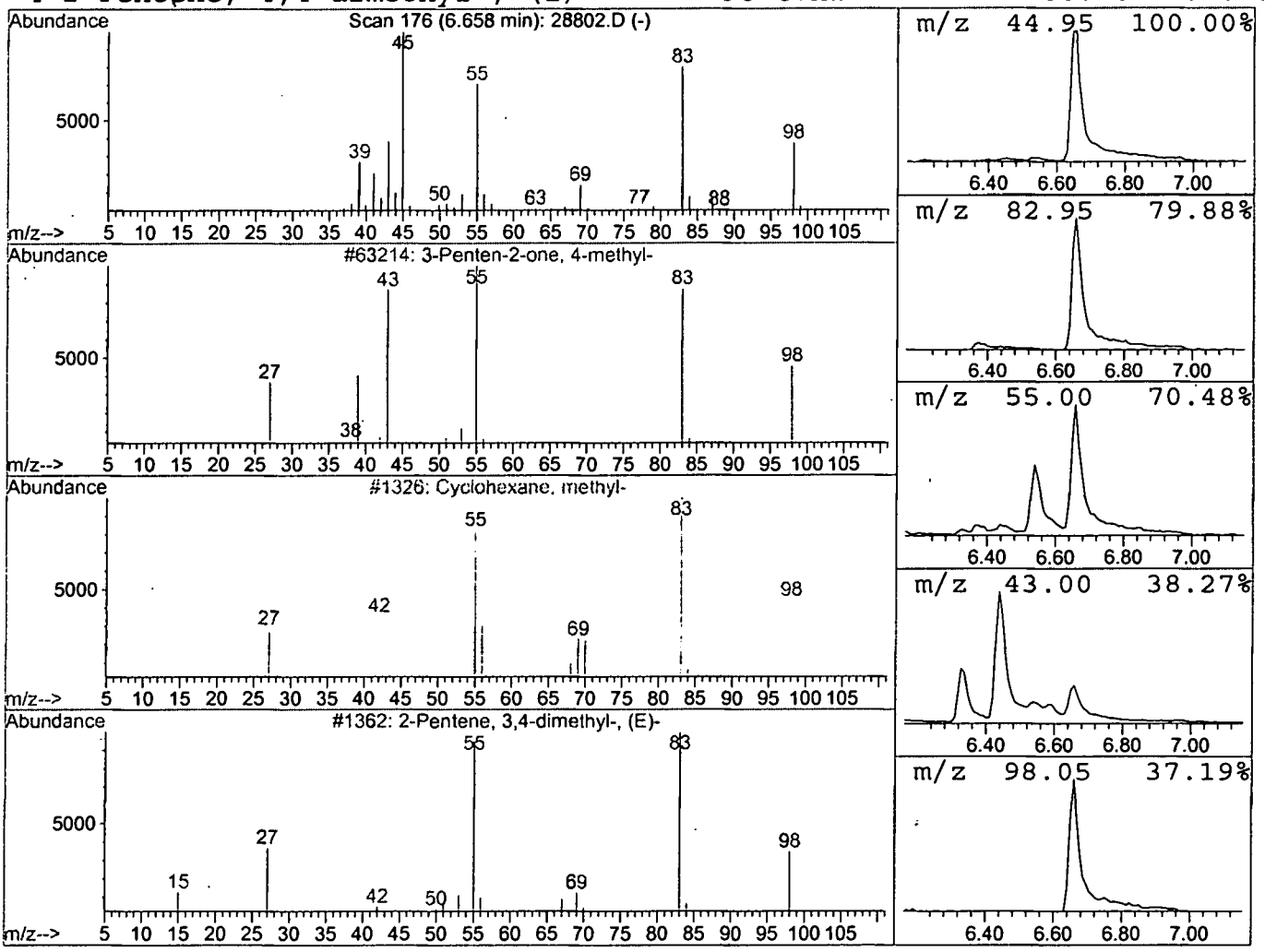
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 3-Penten-2-one, 4-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.66 | 1.12 ug/l | 328551 | 1,4-Dichlorobenzene-d4 | 11.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Penten-2-one, 4-methyl- | 98 | C6H10O | 000141-79-7 | 46 |
| 2 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 43 |
| 3 | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14 | 004914-92-5 | 38 |
| 4 | 2-Pentene, 4,4-dimethyl-, (Z)- | 98 | C7H14 | 000762-63-0 | 38 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28802.D
Acq On : 7 Dec 2001 3:00 am
Sample : 11/27 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 29
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

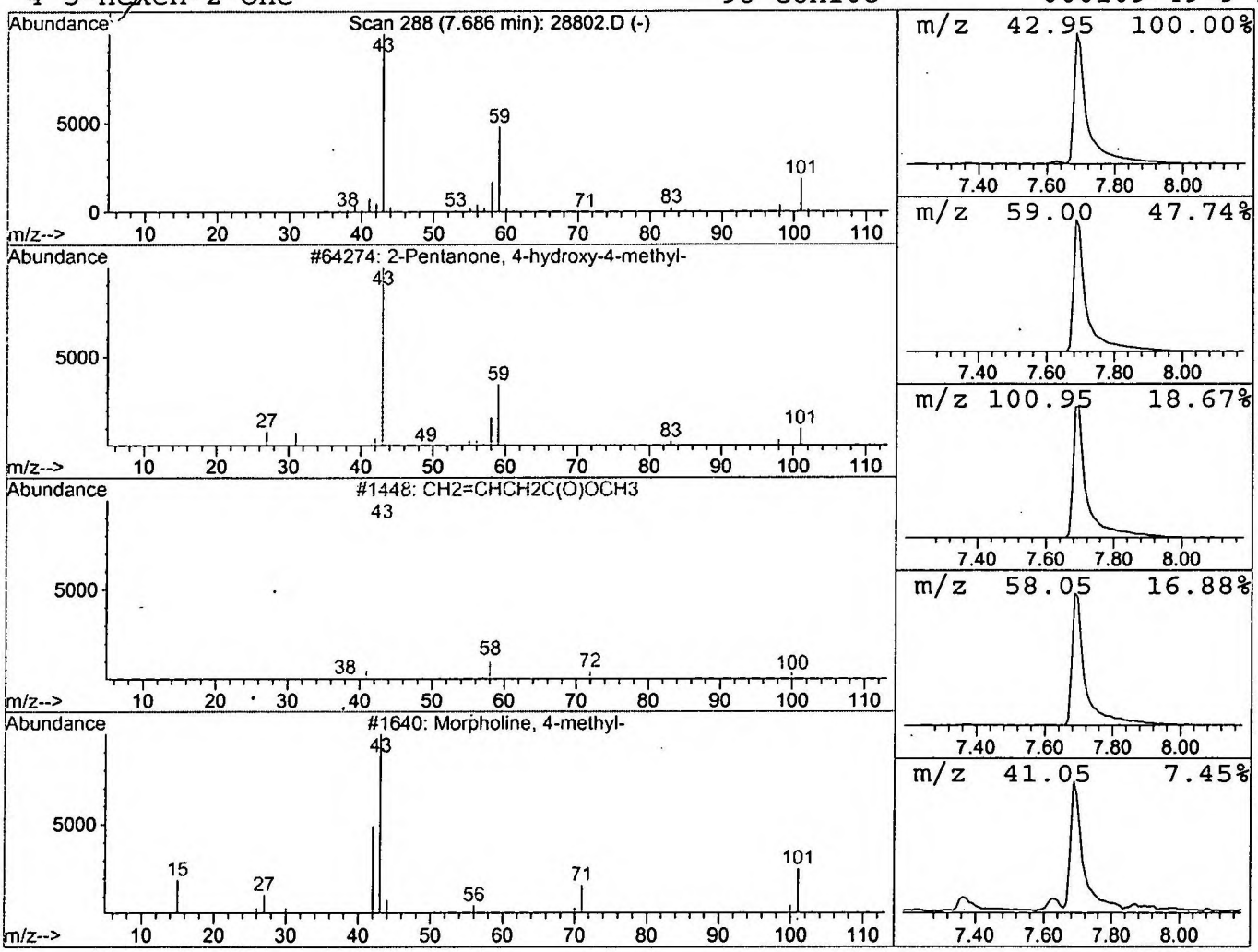
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 4 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.69 | 5.25 ug/l | 1533120 | 1,4-Dichlorobenzene-d4 | 11.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 45 |
| 2 | CH2=CHCH2C(O)OCH3 | 100 | C5H8O2 | 003724-55-8 | 10 |
| 3 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28802.D
Acq On : 7 Dec 2001 3:00 am
Sample : 11/27 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 29
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

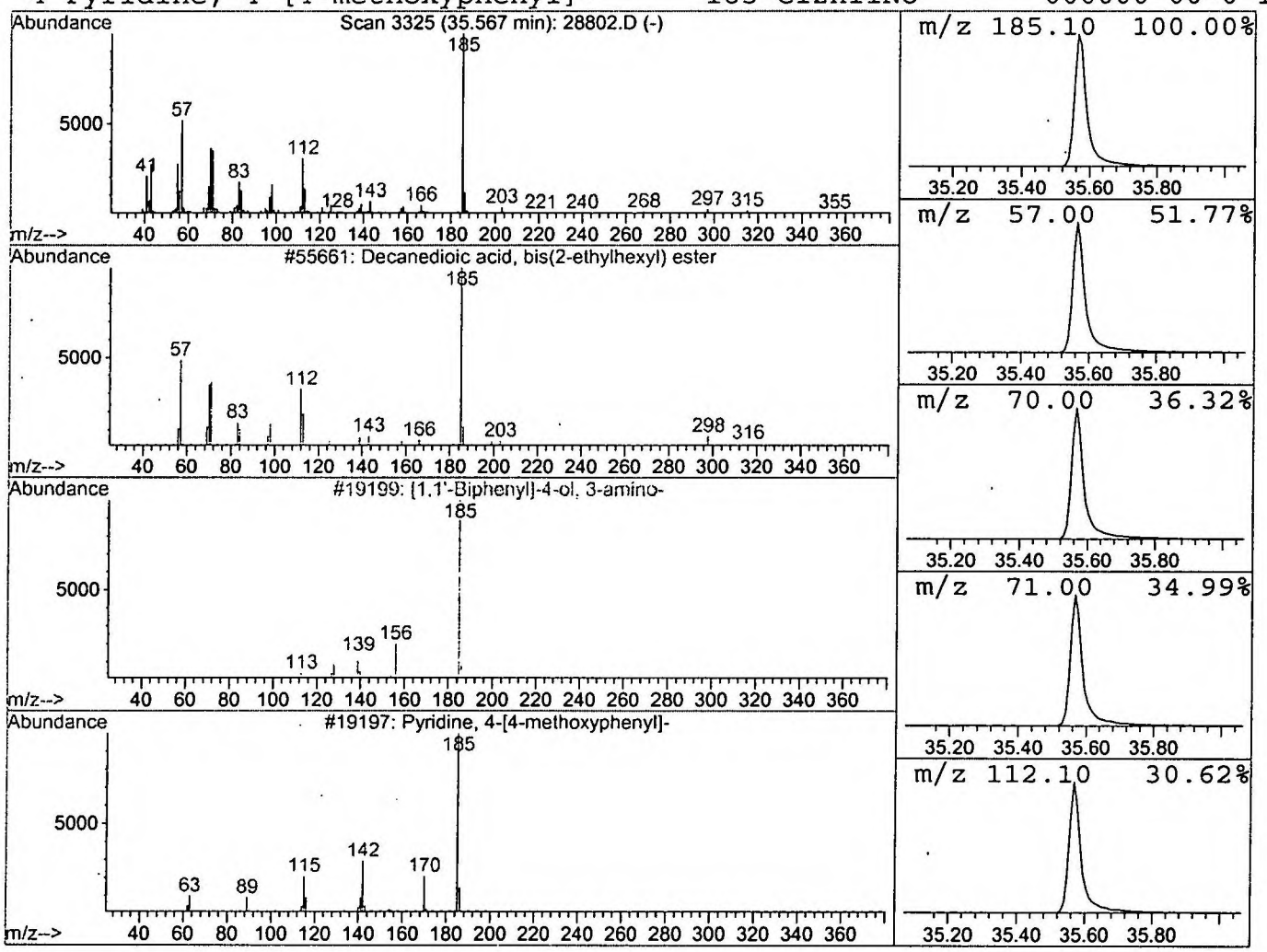
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 5 Decanedioic acid, bis(2-ethylh Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 35.57 | 15.95 ug/l | 3998370 | Perylene-d12 | 37.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decanedioic acid, bis(2-ethylhexyl) | 426 | C26H50O4 | 000122-62-3 | 91 |
| 2 | [1,1'-Biphenyl]-4-ol, 3-amino- | 185 | C12H11NO | 001134-36-7 | 32 |
| 3 | Pyridine, 4-[4-methoxyphenyl]- | 185 | C12H11NO | 000000-00-0 | 17 |
| 4 | Pyridine, 4-[4-methoxyphenyl]- | 185 | C12H11NO | 000000-00-0 | 17 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 7 Dec 2001 3:00 am
Data File: C:\HPCHEM\1\DATA\DEC0601\28802.D
Name: 11/27 gc/ms scan
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 |
|---|---|---|---|---|---|---|---|---|
| 3-Hexanone | 6.33 | 0.4 | ug/l | 119442 | ISTD01 | 11.67 | 5845950 | 20.0 |
| 2-Hexanone | 6.44 | 0.9 | ug/l | 250869 | ISTD01 | 11.67 | 5845950 | 20.0 |
| 3-Penten-2-one, 4-me | 6.66 | 1.1 | ug/l | 328551 | ISTD01 | 11.67 | 5845950 | 20.0 |
| 2-Pentanone, 4-hydro | 7.69 | 5.2 | ug/l | 1533120 | ISTD01 | 11.67 | 5845950 | 20.0 |
| Decanedioic acid, bi | 35.57 | 16.0 | ug/l | 3998370 | ISTD06 | 37.10 | 5013410 | 20.0 |

28802.D GCMS1126.M Wed Dec 12 11:35:04 2001