User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/17/2002 Time: 14:04:40

Sample: AE05849
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/17/02 14:04 Ended: 4/17/02 14:04 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | | | |
| 2 | Surr_2,4-DDD | | 70 | | 5.0 |

**Comments for Sample AE05849 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-17-2002 Time: 14:05:03

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 3 of the 43 compounds in the LCS Standard were outside of their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR0402\5849.D Vial: 23
Acq On : 4 Apr 2002 7:47 pm Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 2.00
MS Integration Params: GOOFY.P
Quant Time: Apr 9 15:39 2002 Quant Results File: GCMS0408.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Apr 08 11:30:53 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0403

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.25 | 152 | 336610 | 20.00 | ug/l | -0.02 |
| 10) Naphthalene-d8 | 15.88 | 136 | 1211644 | 20.00 | ug/l | -0.03 |
| 17) Acenaphthene-d10 | 21.19 | 164 | 682416 | 20.00 | ug/l | -0.02 |
| 30) Phenanthrene-d10 | 25.63 | 188 | 944431 | 20.00 | ug/l | -0.03 |
| 39) Chrysene-d12 | 33.68 | 240 | 451249 | 20.00 | ug/l | -0.04 |
| 45) Perylene-d12 | 37.92 | 264 | 242165 | 20.00 | ug/l | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 28) TCMX | 0.00 | 209 | 0 | 0.00 | ug/mL | |
| Spiked Amount 4.000 | | | Recovery = | 0.00% | | |
| 38) 2,4-DDD | 30.71 | 235 | 65784 | ~~7.23~~ | ug/mL | 0.21 |
| Spiked Amount 5.000 | | | Recovery | ~~3.5~~ | ~~144.60%~~ 70% | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 5.55 | 74 | 177 | N.D. | | |
| 3) bis(2-Chloroethyl)ether | 0.00 | 93 | 0 | N.D. | | |
| 4) 1,3-Dichlorobenzene | 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-Chloropropan | 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)methane | 0.00 | 93 | 0 | N.D. | | |
| 14) 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | | |
| 15) Naphthalene | 15.94 | 128 | 294 | 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 | 0.00 | 165 | 0 | N.D. | d | |
| 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 | 22.67 | 149 | 609 | N.D. | | |
| 26) 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | | |
| 27) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 29) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | | |
| 31) N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | | |
| 32) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR0402\5849.D Vial: 23
Acq On : 4 Apr 2002 7:47 pm Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 2.00
MS Integration Params: GOOFY.P
Quant Time: Apr 9 15:39 2002 Quant Results File: GCMS0408.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Apr 08 11:30:53 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0403

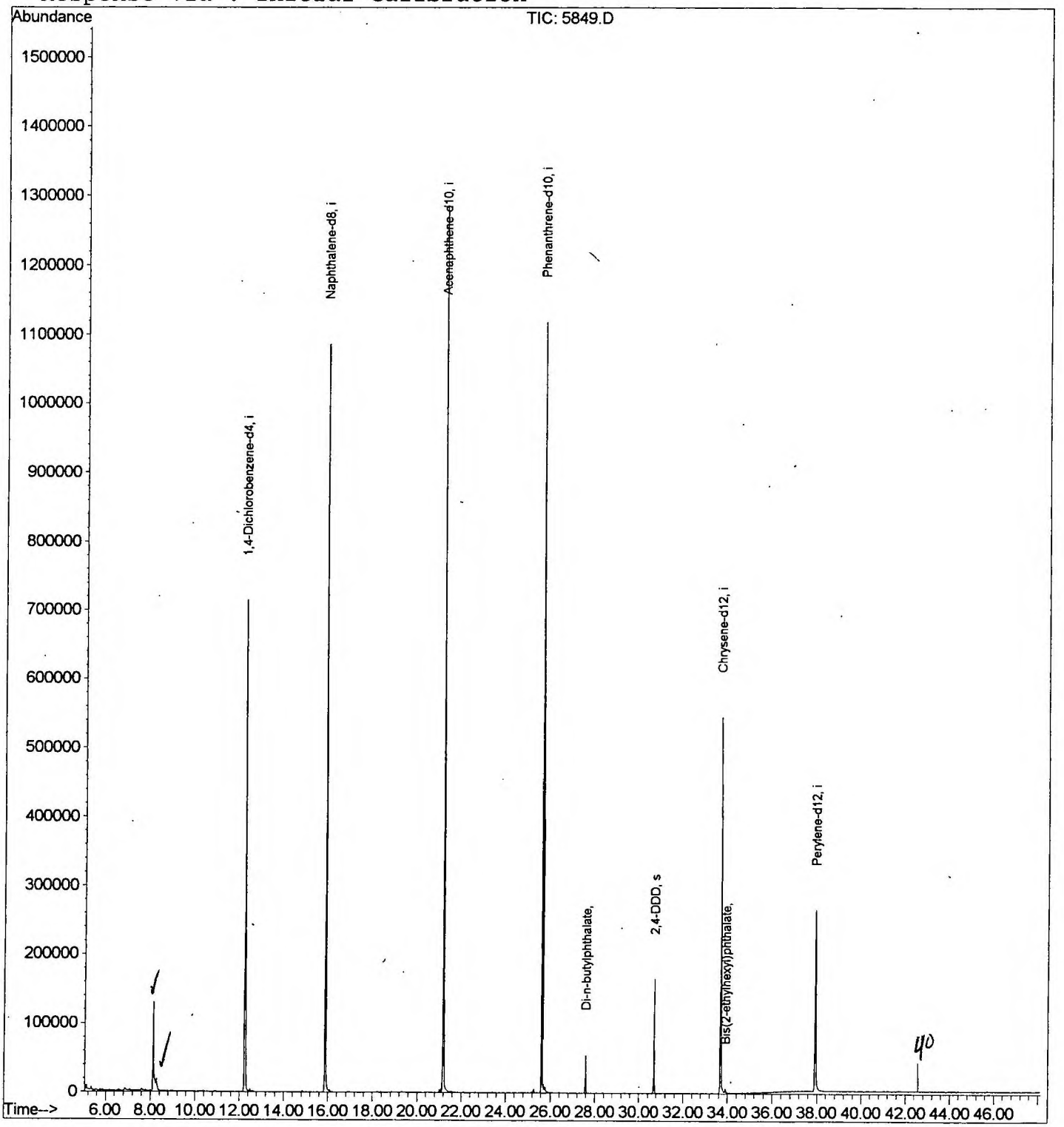
| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 33) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 34) Phenanthrene | 25.69 | 178 | 101 | N.D. | |
| 35) Anthracene | 0.00 | 178 | 0 | N.D. | |
| 36) Di-n-butylphthalate | 27.59 | 149 | 63280 | 3.27 ug/l | 98 |
| 37) Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 40) Pyrene | 0.00 | 202 | 0 | N.D. | |
| 41) Butylbenzylphthalate | 32.13 | 149 | 181 | N.D. | |
| 42) Benzo(a)anthracene | 33.68 | 228 | 827 | N.D. | |
| 43) Bis(2-ethylhexyl)phthalate | 33.90 | 149 | 4466 | 0.67 ug/l # | 90 |
| 44) Chrysene | 33.68 | 228 | 827 | N.D. | |
| 46) Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 47) Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 48) Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 49) Benzo(a)pyrene | 37.92 | 252 | 815 | N.D. | |
| 50) Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 51) Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 52) 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\APR0402\5849.D Vial: 23
Acq On : 4 Apr 2002 7:47 pm Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 2.00
MS Integration Params: GOOFY.P
Quant Time: Apr 9 15:39 2002 Quant Results File: GCMS0408.RES

Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Apr 15 14:10:52 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR0402\5849.D  Vial: 23
Acq On : 4 Apr 2002 7:47 pm  Operator:
Sample : gc/ms scan 3/12  Inst : GC/MS 209
Misc :  Multiplr: 2.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0408.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

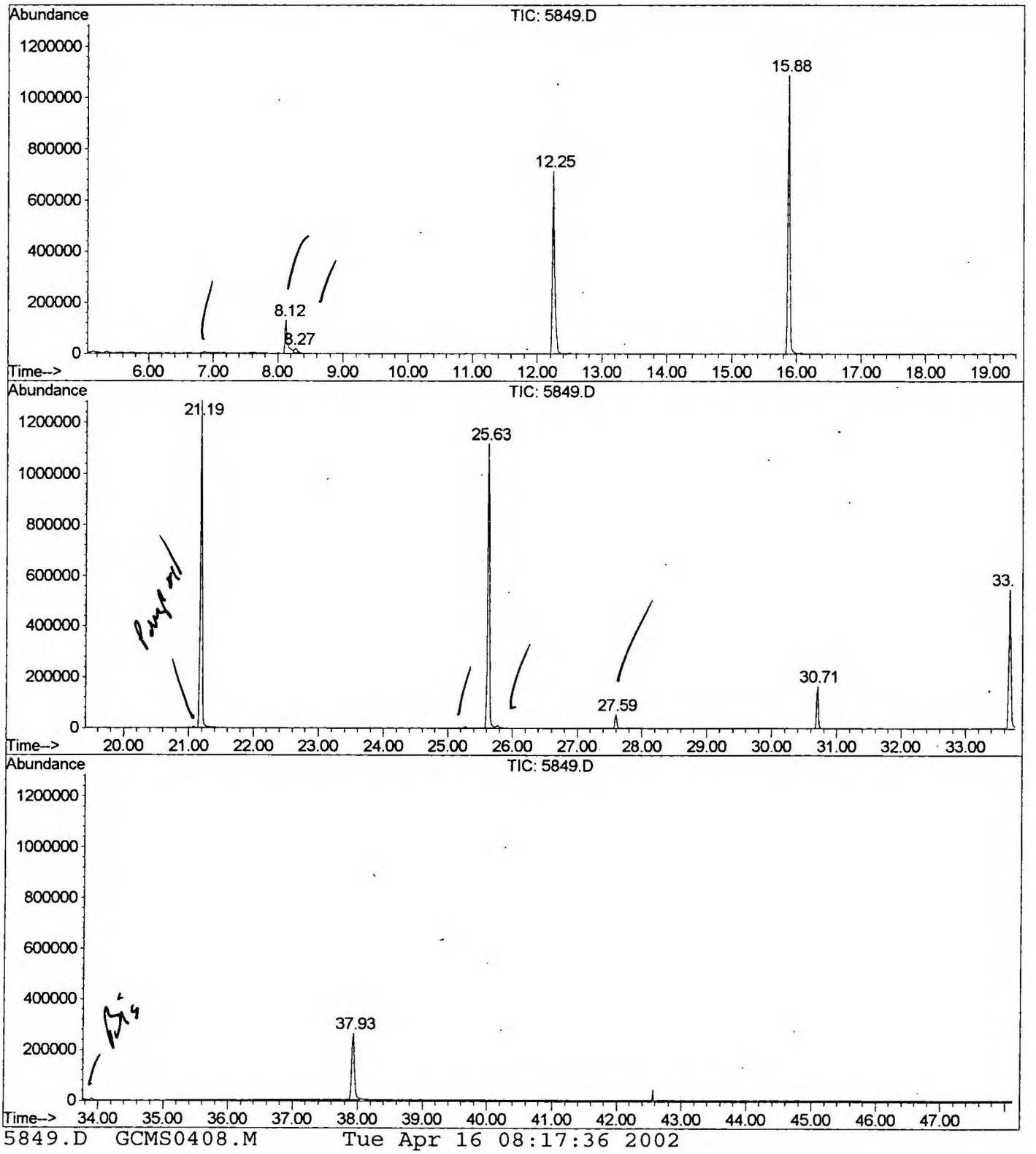
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.123 | 331 | 335 | 348 | rBV | 129020 | 338976 | 13.06% | 2.833% |
| 2 | 8.270 | 348 | 351 | 362 | rVB2 | 16866 | 54089 | 2.08% | 0.452% |
| 3 | 12.245 | 779 | 784 | 800 | rBV | 713811 | 1804228 | 69.51% | 15.081% |
| 4 | 15.880 | 1174 | 1180 | 1198 | rBV | 1086568 | 2292956 | 88.34% | 19.166% |
| 5 | 21.187 | 1752 | 1758 | 1774 | rBV | 1285759 | 2595511 | 100.00% | 21.695% |
| 6 | 25.630 | 2235 | 2242 | 2254 | rBV | 1118680 | 2357684 | 90.84% | 19.707% |
| 7 | 27.595 | 2451 | 2456 | 2468 | rVB | 54873 | 104986 | 4.04% | 0.878% |
| 8 | 30.707 | 2790 | 2795 | 2801 | rVB | 165692 | 319131 | 12.30% | 2.668% |
| 9 | 33.681 | 3113 | 3119 | 3138 | rBV2 | 545524 | 1283300 | 49.44% | 10.727% |
| 10 | 37.932 | 3572 | 3582 | 3593 | rBV2 | 263050 | 812770 | 31.31% | 6.794% |

Sum of corrected areas: 11963631

5849.D GCMS0408.M Tue Apr 16 08:17:35 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR0402\5849.D
Operator :
Acquired : 4 Apr 2002 7:47 pm using AcqMethod GCMS0403
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/12
Misc Info :
Vial Number: 23
Quant File :GCMS0408.RES (RTE Integrator)




5849.D GCMS0408.M Tue Apr 16 08:17:36 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0402\5849.D  Vial: 23
Acq On : 4 Apr 2002 7:47 pm  Operator:
Sample : gc/ms scan 3/12  Inst : GC/MS 209
Misc :  Multiplr: 2.00
MS Integration Params: LSCINT.P

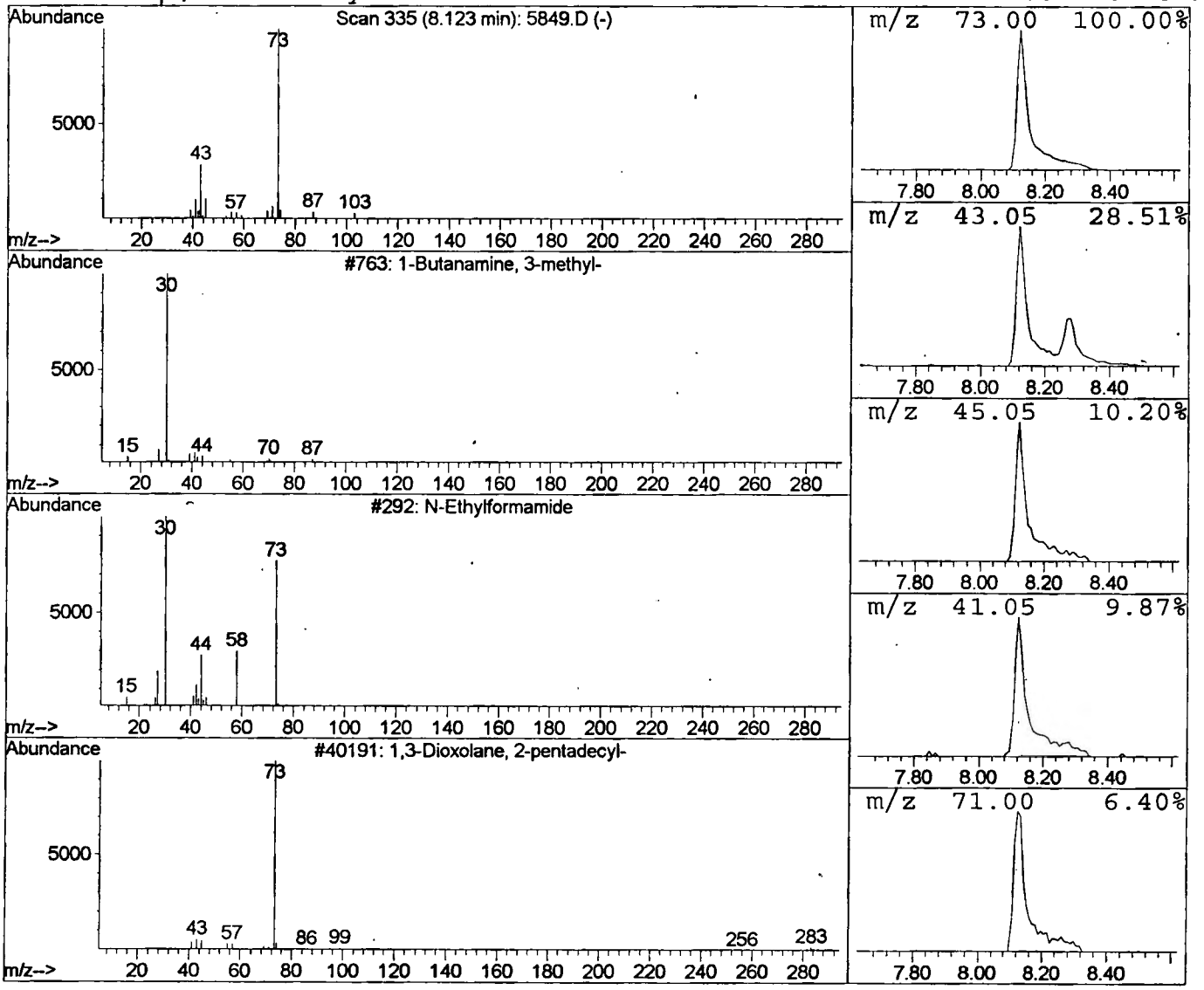
Quant Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 1-Butanamine, 3-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.12 | 7.52 ug/l | 338976 | 1,4-Dichlorobenzene-d4 | 12.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Butanamine, 3-methyl- | 87 | C5H13N | 000107-85-7 | 9 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | 1,3-Dioxolane, 2-pentadecyl- | 284 | C18H36O2 | 004360-57-0 | 9 |
| 4 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0402\5849.D  Vial: 23
Acq On : 4 Apr 2002 7:47 pm  Operator:
Sample : gc/ms scan 3/12  Inst : GC/MS 209
Misc :  Multiplr: 2.00
MS Integration Params: LSCINT.P

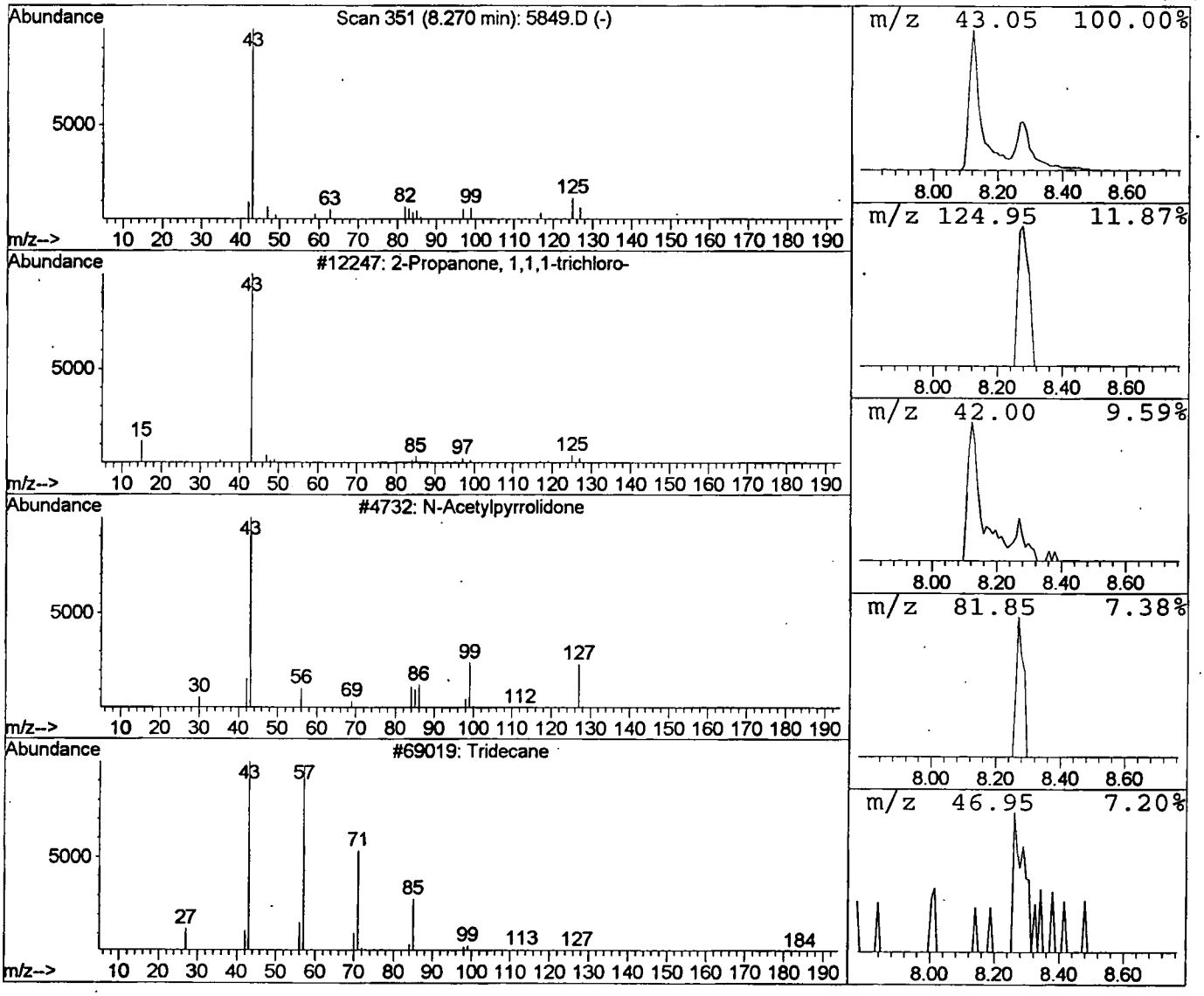
Quant Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 2-Propanone, 1,1,1-trichloro- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.27 | 1.20 ug/l | 54089 | 1,4-Dichlorobenzene-d4 | 12.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanone, 1,1,1-trichloro- | 160 | C3H3Cl3O | 000918-00-3 | 28 |
| 2 | N-Acetylpyrrolidone | 127 | C6H9NO2 | 000932-17-2 | 10 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 9 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 9 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 4 Apr 2002 7:47 pm
Data File: C:\HPCHEM\1\DATA\APR0402\5849.D
Name: gc/ms scan 3/12
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0408.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 |
|---|---|---|---|---|---|---|---|---|
| 1-Butanamine, 3-meth | 8.12 | 7.5 | ug/l | 338976 | ISTD01 | 12.25 | 1804230 | 20.0 |
| 2-Propanone, 1,1,1-t | 8.27 | 1.2 | ug/l | 54089 | ISTD01 | 12.25 | 1804230 | 20.0 |

5849.D GCMS0408.M Tue Apr 16 08:17:38 2002