User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/10/2002 Time: 09:22:41

Sample: AE07315
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/10/02 09:21 Ended: 4/10/02 09:21 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 100 | | 5.0 |

**Comments for Sample AE07315 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-10-2002 Time: 09:23:52

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 23 of the 43 compounds in the LCS Standard were high.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR0302\7315.D Vial: 11
Acq On : 3 Apr 2002 10:34 pm Operator:
Sample : gc/ms scan 3/28 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 8 11:54 2002 Quant Results File: GCMS0403.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0403.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 | 415817 | 20.00 | ug/l | -0.01 |
| 10) Naphthalene-d8 | 15.88 | 136 | 1498523 | 20.00 | ug/l | -0.02 |
| 17) Acenaphthene-d10 | 21.19 | 164 | 852363 | 20.00 | ug/l | -0.01 |
| 30) Phenanthrene-d10 | 25.63 | 188 | 1185373 | 20.00 | ug/l | -0.02 |
| 39) Chrysene-d12 | 33.69 | 240 | 556321 | 20.00 | ug/l | -0.03 |
| 45) Perylene-d12 | 37.93 | 264 | 297813 | 20.00 | ug/l | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 28) TCMX | 23.33 | 209 | 22944 | 3.99 | ug/mL | 0.00 |
| Spiked Amount 4.000 | | | Recovery = 99.75% | | | |
| 38) 2,4-DDD | 0.00 | 235 | 0 | 0.00 | ug/mL | |
| Spiked Amount 5.000 | | | Recovery = 0.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 5.51 | 74 | 193 | 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 | 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 | 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 | 2462 | N.D. | | |
| 26) 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR0302\7315.D Vial: 11
Acq On : 3 Apr 2002 10:34 pm Operator:
Sample : gc/ms scan 3/28 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 8 11:54 2002 Quant Results File: GCMS0403.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0403.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

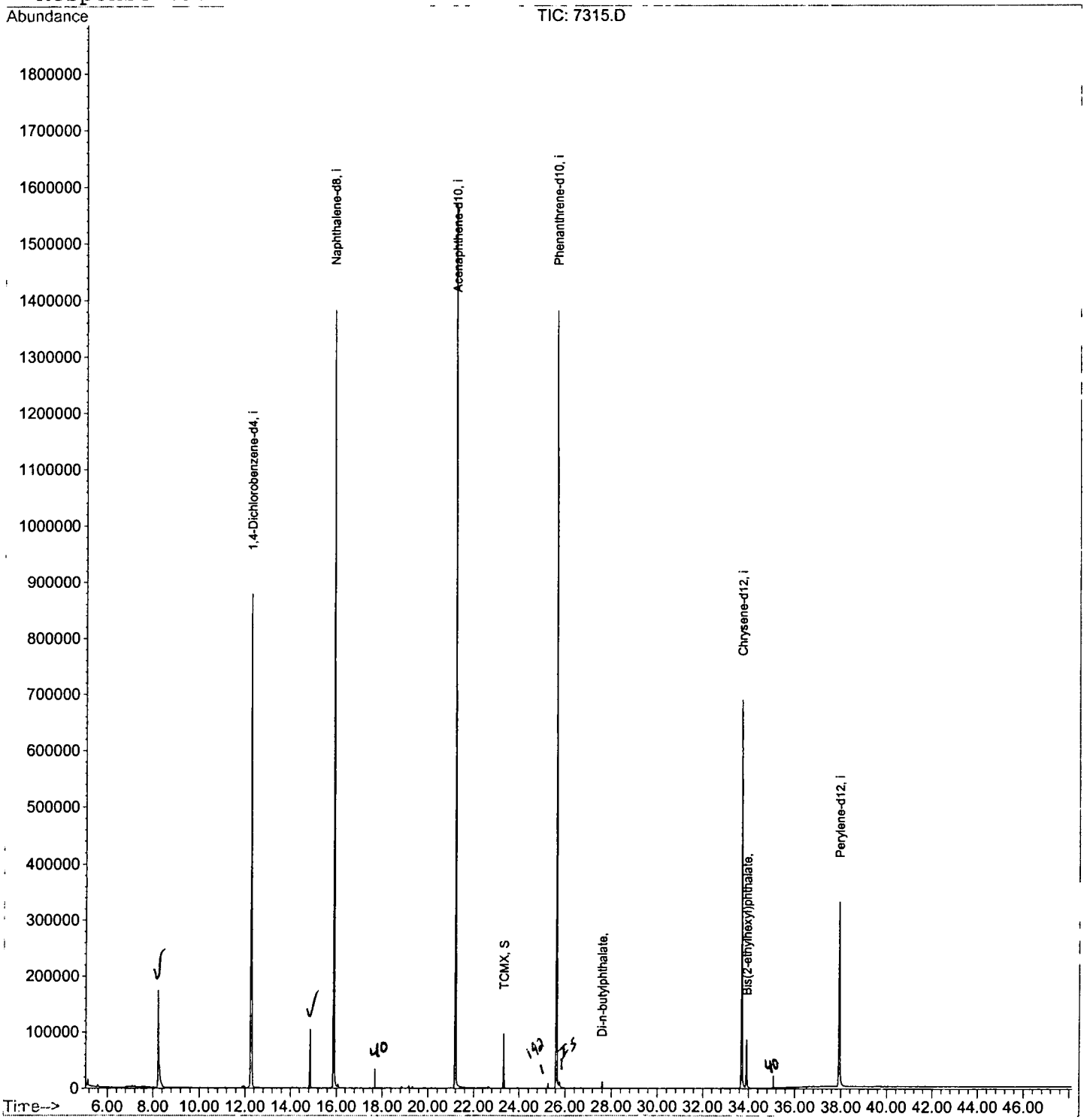
| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 27) Fluorene | 0.00 | 166 | 0 | N.D. | |
| 29) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | |
| 31) N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 32) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 33) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 34) Phenanthrene | 25.63 | 178 | 223 | N.D. | |
| 35) Anthracene | 25.63 | 178 | 223 | N.D. | |
| 36) Di-n-butylphthalate | 27.60 | 149 | 13040 | 0.27 ug/l # | 96 |
| 37) Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 40) Pyrene | 0.00 | 202 | 0 | N.D. | |
| 41) Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 42) Benzo(a)anthracene | 33.69 | 228 | 1278 | N.D. | |
| 43) Bis(2-ethylhexyl)phthalate | 33.91 | 149 | 57742 | 3.51 ug/l | 96 |
| 44) Chrysene | 33.69 | 228 | 1278 | N.D. | |
| 46) Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 47) Benzo(b)fluoranthene | 36.76 | 252 | 192 | N.D. | |
| 48) Benzo(k)fluoranthene | 36.76 | 252 | 192 | N.D. | |
| 49) Benzo(a)pyrene | 37.94 | 252 | 987 | 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\APR0302\7315.D Vial: 11
Acq On : 3 Apr 2002 10:34 pm Operator:
Sample : gc/ms scan 3/28 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 8 11:54 2002 Quant Results File: GCMS0403.RES

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



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR0302\7315.D  Vial: 11
Acq On : 3 Apr 2002 10:34 pm  Operator:
Sample : gc/ms scan 3/28  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0403.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

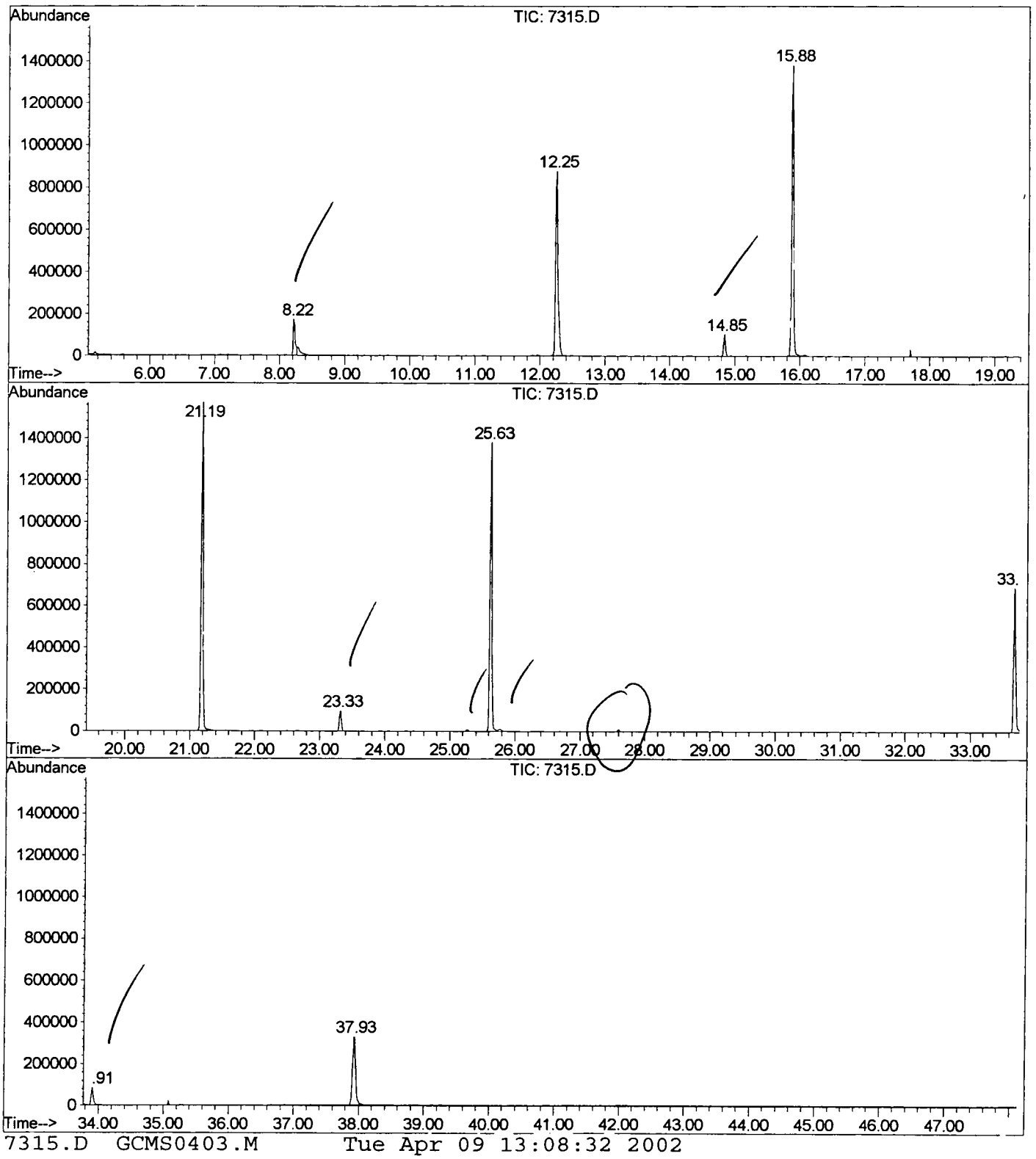
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.219 | 342 | 346 | 351 | rBV | 172495 | 361831 | 11.16% | 2.433% |
| 2 | 12.249 | 779 | 785 | 801 | rVB | 876243 | 2229691 | 68.74% | 14.991% |
| 3 | 14.847 | 1063 | 1068 | 1075 | rVB | 104512 | 199919 | 6.16% | 1.344% |
| 4 | 15.885 | 1175 | 1181 | 1196 | rBV | 1380808 | 2821779 | 87.00% | 18.972% |
| 5 | 21.191 | 1752 | 1759 | 1772 | rBV | 1570134 | 3243425 | 100.00% | 21.807% |
| 6 | 23.330 | 1986 | 1992 | 1997 | rBV | 96582 | 194795 | 6.01% | 1.310% |
| 7 | 25.634 | 2236 | 2243 | 2253 | rBV2 | 1380705 | 2993477 | 92.29% | 20.127% |
| 8 | 33.685 | 3114 | 3120 | 3139 | rBV2 | 688915 | 1625307 | 50.11% | 10.928% |
| 9 | 33.906 | 3139 | 3144 | 3156 | rVB | 84824 | 188532 | 5.81% | 1.268% |
| 10 | 37.927 | 3573 | 3582 | 3598 | rBV2 | 328728 | 1014534 | 31.28% | 6.821% |

Sum of corrected areas: 14873290

7315.D GCMS0403.M Tue Apr 09 13:08:31 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR0302\7315.D
Operator :
Acquired : 3 Apr 2002 10:34 pm using AcqMethod GCMS0403
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/28
Misc Info :
Vial Number: 11
Quant File :GCMS0403.RES (RTE Integrator)




7315.D GCMS0403.M Tue Apr 09 13:08:32 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0302\7315.D  Vial: 11
Acq On : 3 Apr 2002 10:34 pm  Operator:
Sample : gc/ms scan 3/28  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

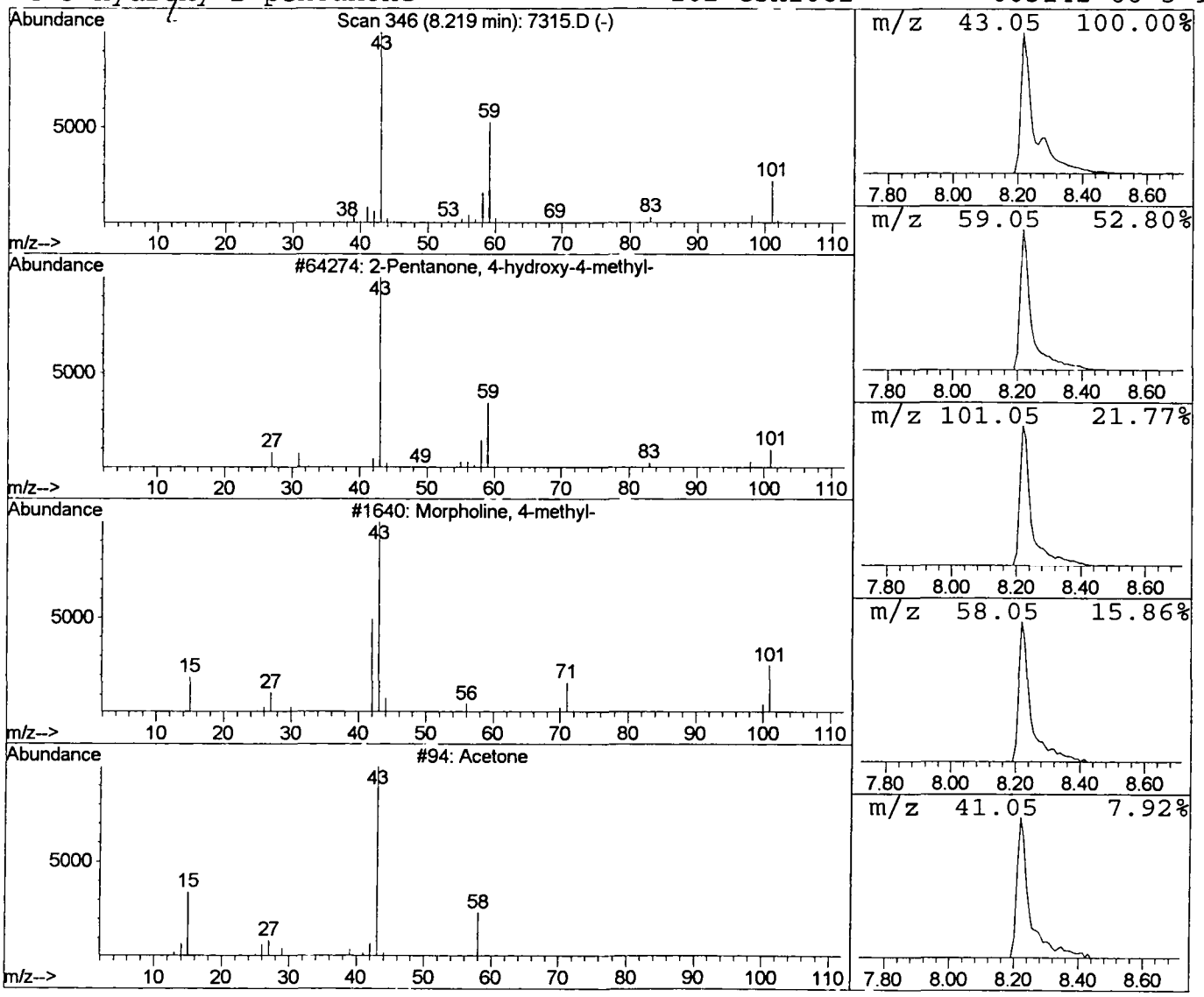
Quant Method : C:\HPCHEM\1\METHODS\GCMS0403.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.22 | 3.25 ug/l | 361831 | 1,4-Dichlorobenzene-d4 | 12.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 40 |
| 2 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 3 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |
| 4 | 3-Hydroxy-2-pentanone | 102 | C5H10O2 | 003142-66-3 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0302\7315.D  Vial: 11
Acq On : 3 Apr 2002 10:34 pm  Operator:
Sample : gc/ms scan 3/28  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

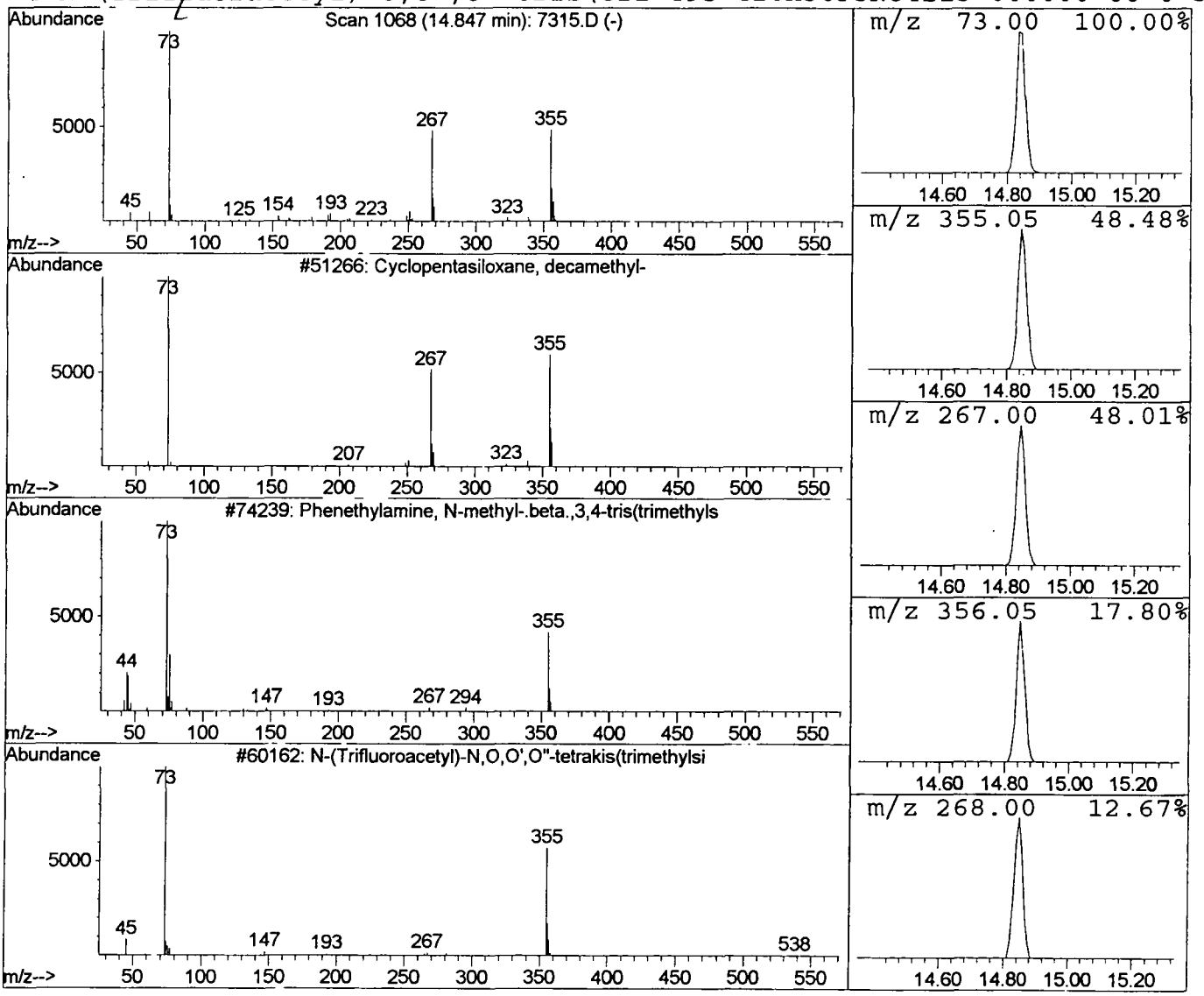
Quant Method : C:\HPCHEM\1\METHODS\GCMS0403.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 Cyclopentasiloxane, decamethyl Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.85 | 1.42 ug/l | 199919 | Naphthalene-d8 | 15.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 64 |
| 2 | Phenethylamine, N-methyl-.beta.,3,4 | 399 | C18H37NO3Si3 | 010538-85-9 | 37 |
| 3 | N-(Trifluoroacetyl)-N,O,O',O''-tetr | 553 | C22H42F3NO4Si4 | 000000-00-0 | 37 |
| 4 | N-(Trifluoracetyl)-O,O',O"-tris(tri | 495 | C20H36F3NO4Si3 | 000000-00-0 | 37 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 3 Apr 2002 10:34 pm
Data File: C:\HPCHEM\1\DATA\APR0302\7315.D
Name: gc/ms scan 3/28
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0403.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 |
|---|---|---|---|---|---|---|---|---|
| 2-Pentanone, 4-hydro | 8.22 | 3.2 | ug/l | 361831 | ISTD01 | 12.25 | 2229690 | 20.0 |
| Cyclopentasiloxane, | 14.85 | 1.4 | ug/l | 199919 | ISTD02 | 15.88 | 2821780 | 20.0 |

7315.D GCMS0403.M Tue Apr 09 13:08:34 2002