User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 14:40:32

Sample: AE11309
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/28/02 14:40 Ended: 5/28/02 14:40 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 90 | | 10.0 |

**Comments for Sample AE11309 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-28-2002 Time: 14:40:59

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY2102\11309.D Vial: 23
Acq On : 21 May 2002 10:27 pm Operator:
Sample : EXTRACT5/14 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 22 9:12 2002 Quant Results File: GCMS0520.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0520.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 22 09:03:22 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0520

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.14 | 152 | 437938 | 40.00 | ug/l | 0.00 |
| 10) Naphthalene-d8 | 15.78 | 136 | 1716942 | 40.00 | ug/l | -0.01 |
| 17) Acenaphthene-d10 | 21.08 | 164 | 815814 | 40.00 | ug/l | -0.01 |
| 30) Phenanthrene-d10 | 25.52 | 188 | 1027319 | 40.00 | ug/l | -0.01 |
| 38) Chrysene-d12 | 33.57 | 240 | 512717 | 40.00 | ug/l | -0.03 |
| 44) Perylene-d12 | 37.78 | 264 | 318923 | 40.00 | ug/l | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 28) TCMX | 23.22 | 209 | 147543 | 35.98 | ug/L | -0.01 |
| Spiked Amount 40.000 | | | Recovery = 89.95% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitrosodimethylamine | 5.35 | 74 | 414 | 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-Nitrosodi-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 | 15.83 | 128 | 964 | 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. | | |
| 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 | 22.56 | 149 | 533 | N.D. | | |
| 26) 4-Chlorophenylphenylether | 23.22 | 204 | 690 | N.D. | | |
| 27) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 29) Azobenzene | 0.00 | 77 | 0 | N.D. | | |
| 31) N-Nitrosodiphenylamine | 23.22 | 168 | 371 | N.D. | | |
| 32) 4-Bromophenylphenylether | 0.00 | 248 | 0 | N.D. | | |
| 33) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | | |
| 34) Phenanthrene | 25.57 | 178 | 240 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY2102\11309.D Vial: 23
Acq On : 21 May 2002 10:27 pm Operator:
Sample : EXTRACT5/14 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 22 9:12 2002 Quant Results File: GCMS0520.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0520.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 22 09:03:22 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0520

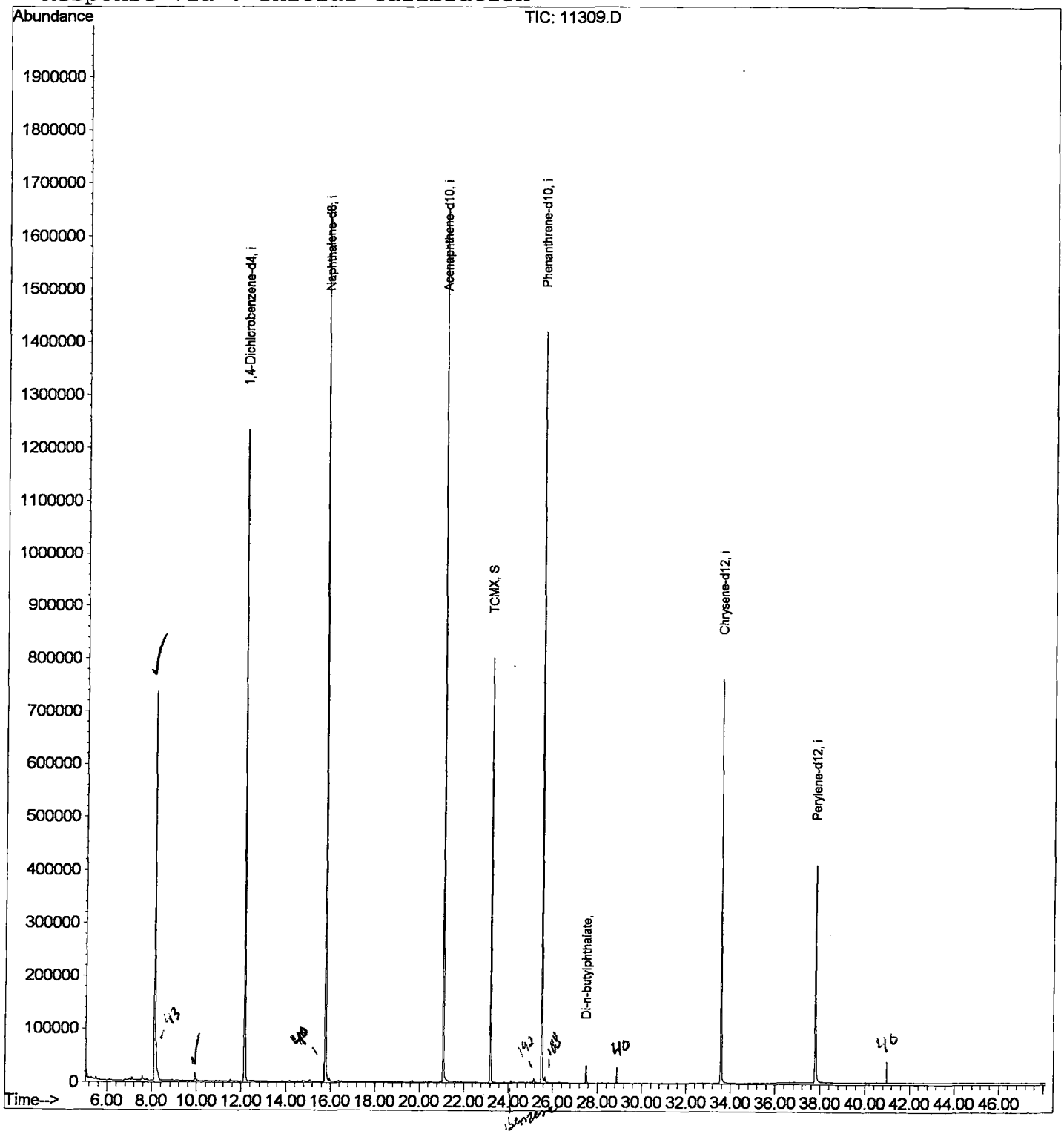
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 35) | Anthracene | 25.57 | 178 | 240 | N.D. | |
| 36) | Di-n-butylphthalate | 27.50 | 149 | 38561 | 1.14 ug/l # | 99 |
| 37) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 39) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 40) | Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 41) | Benzo(a)anthracene | 33.57 | 228 | 1227 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.80 | 149 | 812 | N.D. | |
| 43) | Chrysene | 33.57 | 228 | 1227 | N.D. | |
| 45) | Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) | Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 47) | Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 48) | Benzo(a)pyrene | 37.78 | 252 | 1268 | 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\MAY2102\11309.D Vial: 23
Acq On : 21 May 2002 10:27 pm Operator:
Sample : EXTRACT5/14 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 22 9:12 2002 Quant Results File: GCMS0520.RES

Method : C:\HPCHEM\1\METHODS\GCMS0520.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 22 09:03:22 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAY2102\11309.D  Vial: 23
Acq On : 21 May 2002 10:27 pm  Operator:
Sample : EXTRACT5/14  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0520.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

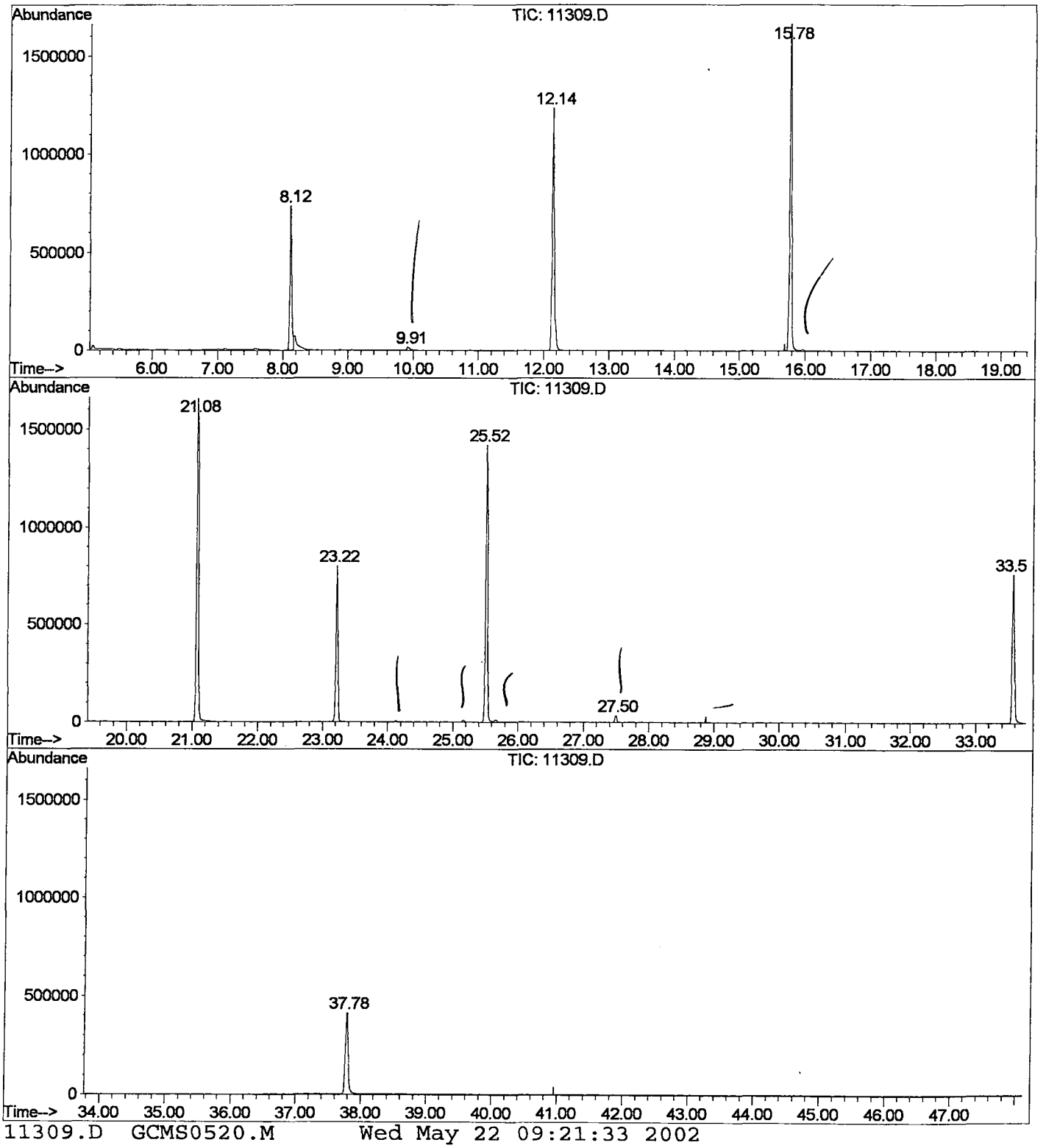
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.118 | 332 | 336 | 341 | rBV | 733804 | 1495955 | 42.73% | 7.984% |
| 2 | 9.914 | 528 | 532 | 538 | rBV | 15268 | 37220 | 1.06% | 0.199% |
| 3 | 12.141 | 769 | 775 | 797 | rBV | 1232060 | 2700558 | 77.13% | 14.412% |
| 4 | 15.779 | 1166 | 1172 | 1186 | rVV | 1660358 | 3501347 | 100.00% | 18.686% |
| 5 | 21.076 | 1744 | 1750 | 1767 | rBV | 1653462 | 3454102 | 98.65% | 18.434% |
| 6 | 23.220 | 1975 | 1984 | 1997 | rBV | 801849 | 1606446 | 45.88% | 8.573% |
| 7 | 25.520 | 2228 | 2235 | 2245 | rBV2 | 1419259 | 2951777 | 84.30% | 15.753% |
| 8 | 27.499 | 2446 | 2451 | 2459 | rBV | 34530 | 68481 | 1.96% | 0.365% |
| 9 | 33.575 | 3107 | 3114 | 3130 | rBV | 762375 | 1692386 | 48.34% | 9.032% |
| 10 | 37.781 | 3565 | 3573 | 3590 | rBV2 | 409767 | 1229362 | 35.11% | 6.561% |

Sum of corrected areas: 18737634

11309.D GCMS0520.M Wed May 22 09:21:32 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAY2102\11309.D
Operator :
Acquired : 21 May 2002 10:27 pm using AcqMethod GCMS0520
Instrument : 209
Sample Name: EXTRACT5/14
Misc Info :
Vial Number: 23
Quant File :GCMS0520.RES (RTE Integrator)




11309.D GCMS0520.M Wed May 22 09:21:33 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY2102\11309.D  Vial: 23
Acq On : 21 May 2002 10:27 pm  Operator:
Sample : EXTRACT5/14  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

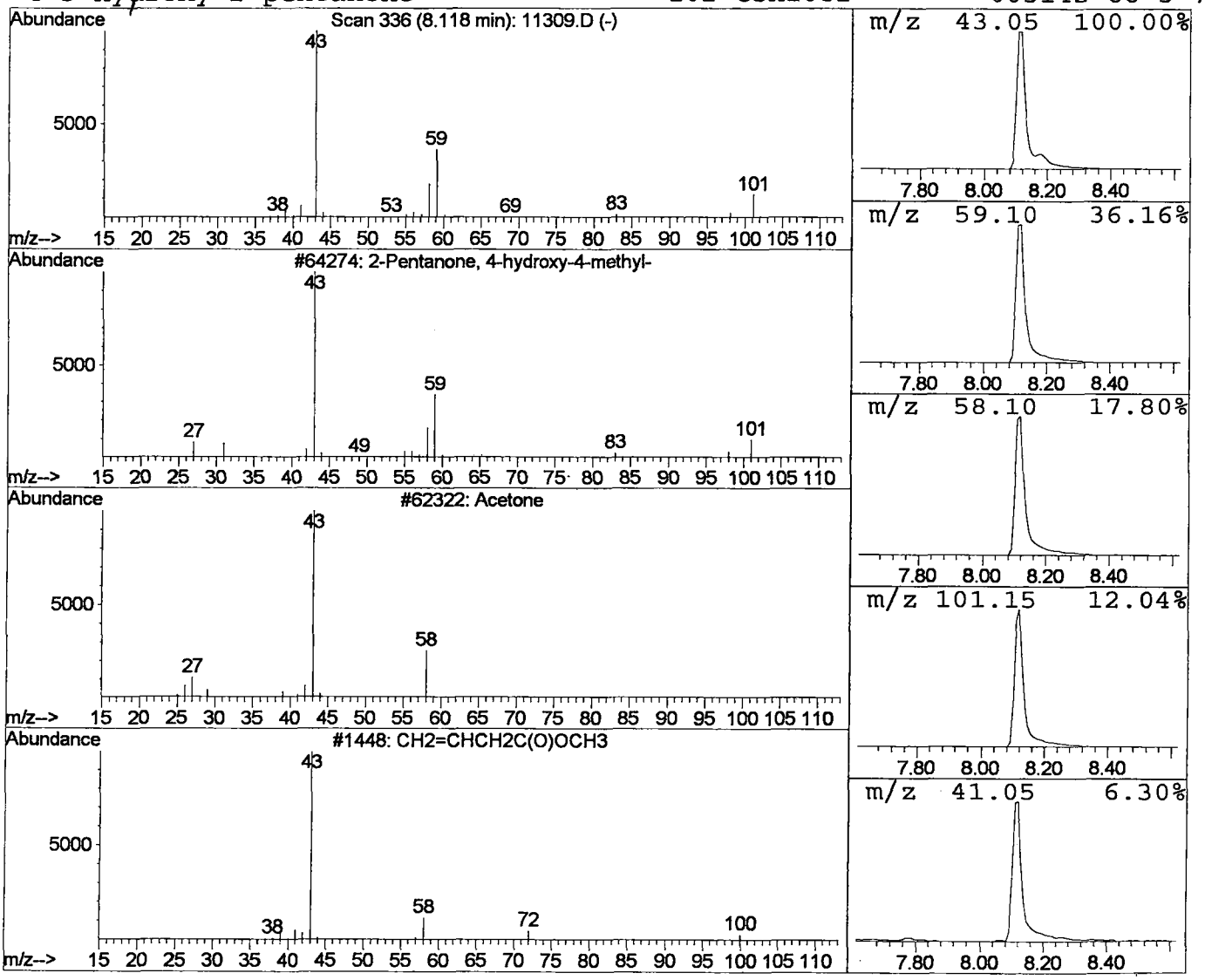
Quant Method : C:\HPCHEM\1\METHODS\GCMS0520.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.12 | 22.16 ug/l | 1495960 | 1,4-Dichlorobenzene-d4 | 12.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 2 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |
| 3 | CH2=CHCH2C(O)OCH3 | 100 | C5H8O2 | 003724-55-8 | 9 |
| 4 | 3-Hydroxy-2-pentanone | 102 | C5H10O2 | 003142-66-3 | 7 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY2102\11309.D  Vial: 23
Acq On : 21 May 2002 10:27 pm  Operator:
Sample : EXTRACT5/14  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

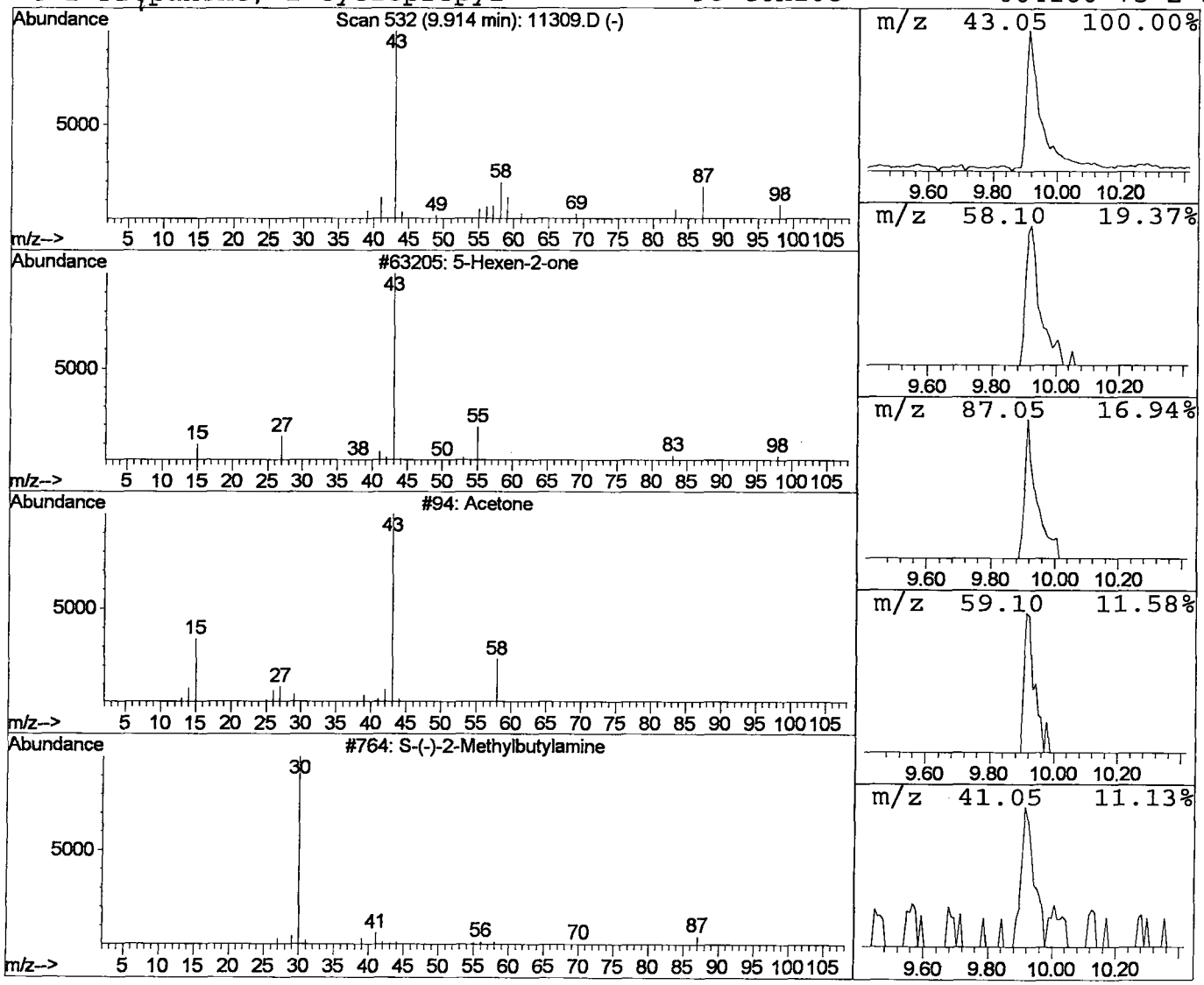
Quant Method : C:\HPCHEM\1\METHODS\GCMS0520.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 5-Hexen-2-one  Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.91 | 0.55 ug/l | 37220 | 1,4-Dichlorobenzene-d4 | 12.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 2 | Acetone | 58 | C3H6O | 000067-64-1 | 7 |
| 3 | S-(-)-2-Methylbutylamine | 87 | C5H13N | 020626-52-2 | 7 |
| 4 | 2-Propanone, 1-cyclopropyl- | 98 | C6H10O | 004160-75-2 | 5 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 21 May 2002 10:27 pm
Data File: C:\HPCHEM\1\DATA\MAY2102\11309.D
Name: EXTRACT5/14
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0520.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 | 8.12 | 22.2 | ug/l | 1495960 | ISTD01 | 12.14 | 2700560 | 40.0 |
| 5-Hexen-2-one | 9.91 | 0.6 | ug/l | 37220 | ISTD01 | 12.14 | 2700560 | 40.0 |

11309.D GCMS0520.M Wed May 22 09:21:35 2002