User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 11/06/2001 Time: 12:18:33

Sample: AD24219
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/6/01 12:17 Ended: 11/6/01 12:17 Analyst: MG
Result source: manual entry
Page: 1

| | Component Name | Vial | Result |
|---|---|---|---|
| 1 | Other unknown compounds | | see comment |

**Comments for Sample AD24219 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 11-06-2001 Time: 12:18:08

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0101\24219.D Vial: 6
Acq On : 1 Nov 2001 7:54 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 6 11:36 2001 Quant Results File: NP101901.RES

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Oct 23 10:12:13 2001
Response via : Initial Calibration
DataAcq Meth : NP101901

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.71 | 152 | 547457 | 20.00 | ug/l | -0.01 |
| 19) Naphthalene-d8 | 15.32 | 136 | 2172931 | 20.00 | ug/l | -0.01 |
| 31) Acenaphthene-d10 | 20.60 | 164 | 1052193 | 20.00 | ug/l | -0.01 |
| 49) Phenanthrene-d10 | 25.02 | 188 | 1559009 | 20.00 | ug/l | -0.01 |
| 59) Chrysene-d12 | 33.06 | 240 | 1087778 | 20.00 | ug/l | -0.01 |
| 68) Perylene-d12 | 37.15 | 264 | 779083 | 20.00 | ug/l | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 0.00 | 112 | 0 | 0.00 | ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | | |
| 5) Phenol-d5 | 0.00 | 99 | 0 | 0.00 | ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | | |
| 6) 2-Chlorophenol-d4 | 11.72 | 132 | 436 | 0.01 | ug/l | 0.48 |
| Spiked Amount 75.000 | | | Recovery = | 0.01% | | |
| 7) 1,2-Dichlorobenzene-d4 | 12.24 | 152 | 5687 | 0.27 | ug/l | -0.01 |
| Spiked Amount 50.000 | | | Recovery = | 0.54% | | |
| 20) Nitrobenzene-d5 | 0.00 | 82 | 0 | 0.00 | ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | | |
| 32) 2-Fluorobiphenyl | 18.74 | 172 | 2217 | 0.04 | ug/l | 0.13 |
| Spiked Amount 50.000 | | | Recovery = | 0.08% | | |
| 33) 2,4,6-Tribromophenol | 0.00 | 330 | 0 | 0.00 | ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | | |
| 62) Terphenyl-d14 | 29.92 | 244 | 205 | 0.00 | ug/l | -0.03 |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Pyridine | 0.00 | 79 | 0 | N.D. | | |
| 3) N-nitroso-dimethyl amine | 0.00 | 74 | 0 | N.D. | | |
| 8) Phenol | 11.08 | 94 | 104 | N.D. | | |
| 9) bis(2-Chloroethyl)ether | 0.00 | 93 | 0 | N.D. | | |
| 10) 2-Chlorophenol | 0.00 | 128 | 0 | N.D. | | |
| 11) 1,3-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 12) 1,4-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 13) 1,2-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 14) 2-Methylphenol | 0.00 | 108 | 0 | N.D. | | |
| 15) 2,2'-oxybis(1-Chloropropan | 0.00 | 45 | 0 | N.D. | | |
| 16) 3&4-Methylphenol | 0.00 | 108 | 0 | N.D. | | |
| 17) N-Nitroso-di-n-propylamine | 0.00 | 70 | 0 | N.D. | | |
| 18) Hexachloroethane | 0.00 | 117 | 0 | N.D. | | |
| 21) Nitrobenzene | 0.00 | 77 | 0 | N.D. | | |
| 22) Isophorone | 0.00 | 82 | 0 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0101\24219.D Vial: 6
Acq On : 1 Nov 2001 7:54 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 6 11:36 2001 Quant Results File: NP101901.RES

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Oct 23 10:12:13 2001
Response via : Initial Calibration
DataAcq Meth : NP101901

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 23) 2-Nitrophenol | 0.00 | 139 | 0 | N.D. | |
| 24) 2,4-Dimethylphenol | 0.00 | 107 | 0 | N.D. | |
| 25) bis(2-Chloroethoxy)methane | 0.00 | 93 | 0 | N.D. | |
| 26) 2,4-Dichlorophenol | 0.00 | 162 | 0 | N.D. | |
| 27) 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | |
| 28) Naphthalene | 15.37 | 128 | 238 | N.D. | |
| 29) Hexachlorobutadiene | 0.00 | 225 | 0 | N.D. | |
| 30) 4-Chloro-3-methylphenol | 0.00 | 107 | 0 | N.D. | |
| 34) Hexachlorocyclopentadiene | 0.00 | 237 | 0 | N.D. | |
| 35) 2,4,6-Trichlorophenol | 0.00 | 196 | 0 | N.D. | |
| 36) 2,4,5-Trichlorophenol | 0.00 | 196 | 0 | N.D. | |
| 37) 2-Chloronaphthalene | 0.00 | 162 | 0 | N.D. | |
| 38) Dimethylphthalate | 20.21 | 163 | 349 | N.D. | |
| 39) 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | d |
| 40) Acenaphthylene | 0.00 | 152 | 0 | N.D. | |
| 41) Acenaphthene | 0.00 | 153 | 0 | N.D. | |
| 42) 2,4-Dinitrophenol | 0.00 | 184 | 0 | N.D. | |
| 43) 4-Nitrophenol | 0.00 | 65 | 0 | N.D. | |
| 44) 2,4-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | |
| 45) Diethylphthalate | 22.10 | 149 | 786 | N.D. | |
| 46) 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | |
| 47) Fluorene | 0.00 | 166 | 0 | N.D. | |
| 48) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | |
| 50) 4,6-Dinitro-2-methylphenol | 0.00 | 198 | 0 | N.D. | |
| 51) N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 52) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 53) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 54) Pentachlorophenol | 0.00 | 266 | 0 | N.D. | |
| 55) Phenanthrene | 25.02 | 178 | 569 | N.D. | |
| 56) Anthracene | 25.02 | 178 | 569 | N.D. | |
| 57) Di-n-butylphthalate | 27.03 | 149 | 3957 | N.D. | |
| 58) Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 60) 3,3'-Dichlorobenzidine | 0.00 | 252 | 0 | N.D. | |
| 61) Benzidine | 0.00 | 184 | 0 | N.D. | |
| 63) Pyrene | 0.00 | 202 | 0 | N.D. | |
| 64) Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 65) Benzo(a)anthracene | 33.06 | 228 | 4393 | N.D. | |
| 66) Bis(2-ethylhexyl)phthalate | 33.32 | 149 | 2051 | N.D. | |
| 67) Chrysene | 33.06 | 228 | 4393 | N.D. | |
| 69) Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 70) Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0101\24219.D Vial: 6
Acq On : 1 Nov 2001 7:54 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 6 11:36 2001 Quant Results File: NP101901.RES

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Oct 23 10:12:13 2001
Response via : Initial Calibration
DataAcq Meth : NP101901

| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 71) | Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 72) | Benzo(a)pyrene | 37.16 | 252 | 2992 | N.D. | |
| 73) | Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 74) | Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 75) | Benzo(g,h,i)perylene | 0.00 | 276 | 0 | N.D. | |

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

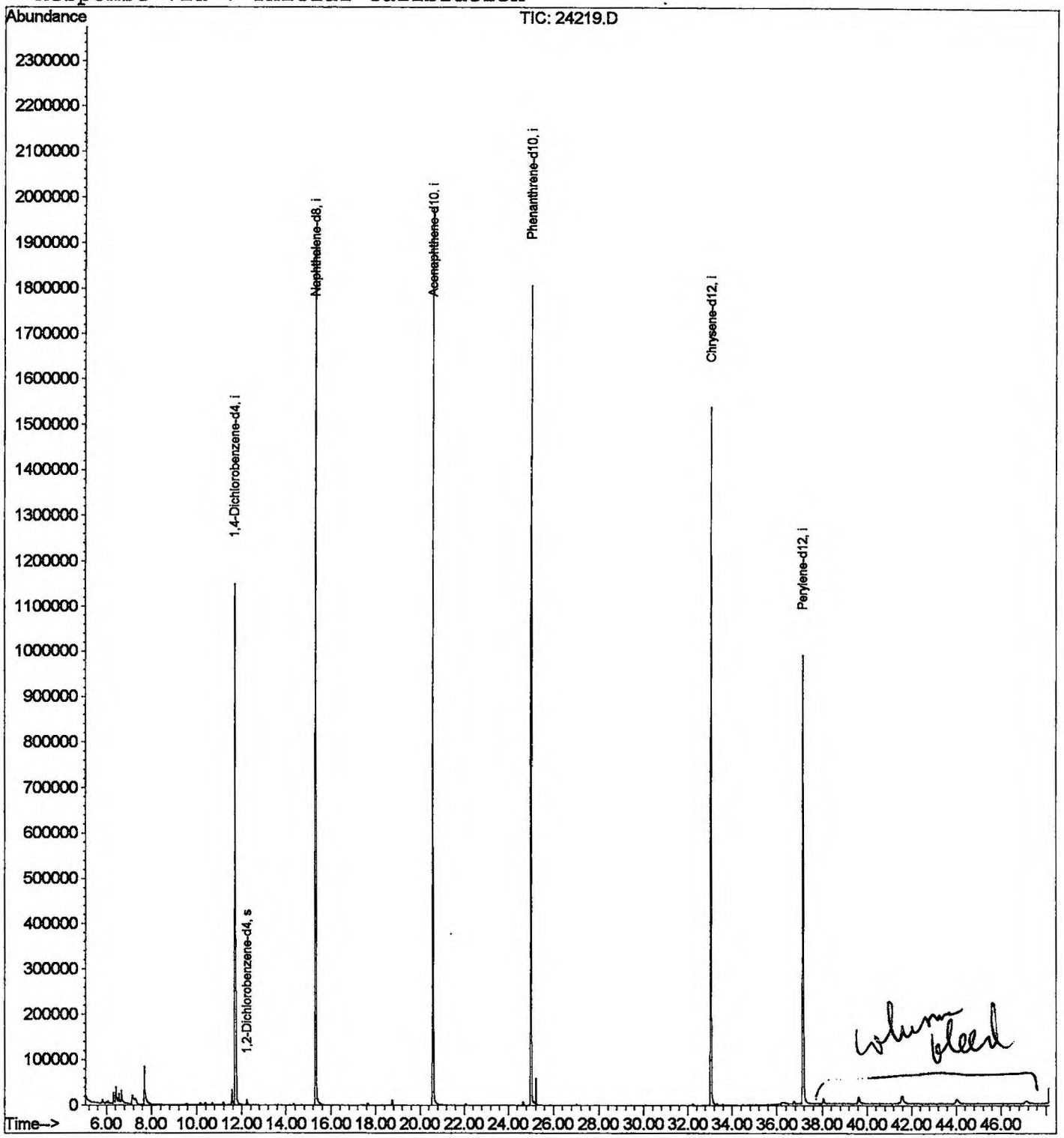
# Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24219.D
Acq On : 1 Nov 2001 7:54 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 6 11:36 2001

Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Results File: NP101901.RES

Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24219.D  Vial: 6
Acq On : 1 Nov 2001 7:54 pm  Operator: 209 GALOS
Sample : gc/ms unknown  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP103001.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

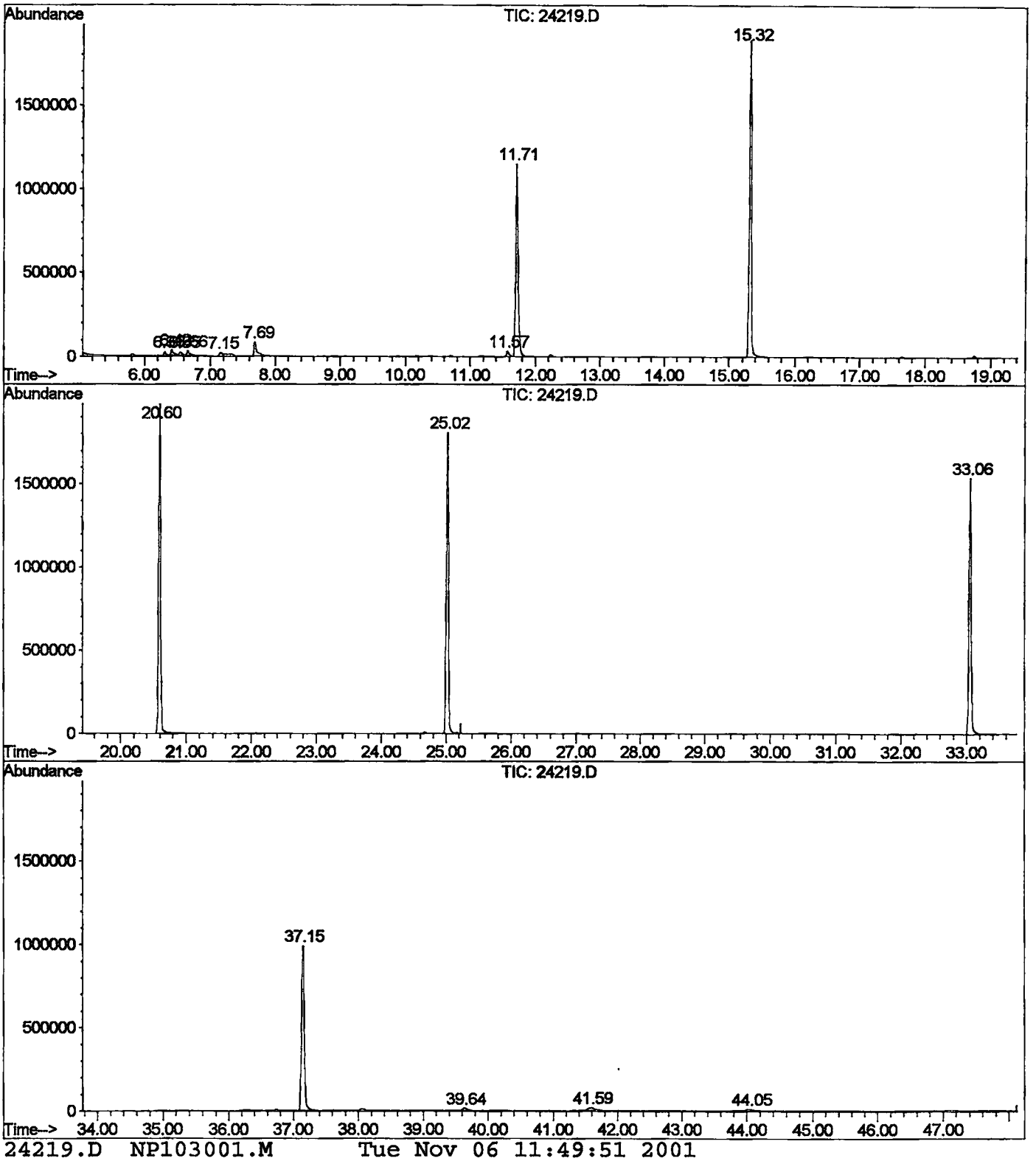
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.314 | 135 | 138 | 144 | rBV | 24337 | 50445 | 1.20% | 0.228% |
| 2 | 6.415 | 146 | 149 | 159 | rVV | 35374 | 102505 | 2.45% | 0.463% |
| 3 | 6.553 | 160 | 164 | 168 | rVV | 20668 | 48081 | 1.15% | 0.217% |
| 4 | 6.663 | 172 | 176 | 188 | rVB | 26880 | 64053 | 1.53% | 0.289% |
| 5 | 7.150 | 225 | 229 | 234 | rBV | 19325 | 57373 | 1.37% | 0.259% |
| 6 | 7.691 | 284 | 288 | 304 | rBV | 82886 | 250299 | 5.97% | 1.130% |
| 7 | 11.575 | 706 | 711 | 721 | rBV | 33302 | 82120 | 1.96% | 0.371% |
| 8 | 11.712 | 721 | 726 | 745 | rVV | 1149264 | 2894968 | 69.08% | 13.070% |
| 9 | 15.320 | 1113 | 1119 | 1137 | rBV | 1888226 | 3980792 | 94.98% | 17.972% |
| 10 | 20.599 | 1687 | 1694 | 1721 | rBV | 1978353 | 4190974 | 100.00% | 18.921% |
| 11 | 25.024 | 2169 | 2176 | 2188 | rBV | 1806930 | 3909864 | 93.29% | 17.652% |
| 12 | 33.057 | 3043 | 3051 | 3070 | rBV2 | 1537893 | 3474456 | 82.90% | 15.686% |
| 13 | 37.151 | 3489 | 3497 | 3512 | rBV2 | 987706 | 2850055 | 68.00% | 12.867% |
| 14 | 39.639 | 3761 | 3768 | 3777 | rVB6 | 13002 | 52639 | 1.26% | 0.238% |
| 15 | 41.594 | 3968 | 3981 | 3987 | rBV4 | 16005 | 90506 | 2.16% | 0.409% |
| 16 | 44.046 | 4237 | 4248 | 4255 | rBV7 | 8400 | 50943 | 1.22% | 0.230% |

Sum of corrected areas: 22150073

24219.D NP103001.M Tue Nov 06 11:49:48 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV0101\24219.D
Operator : 209 GALOS
Acquired : 1 Nov 2001 7:54 pm using AcqMethod NP101901
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 6
Quant File :NP101901.RES (RTE Integrator)




24219.D NP103001.M Tue Nov 06 11:49:51 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24219.D
Acq On : 1 Nov 2001 7:54 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

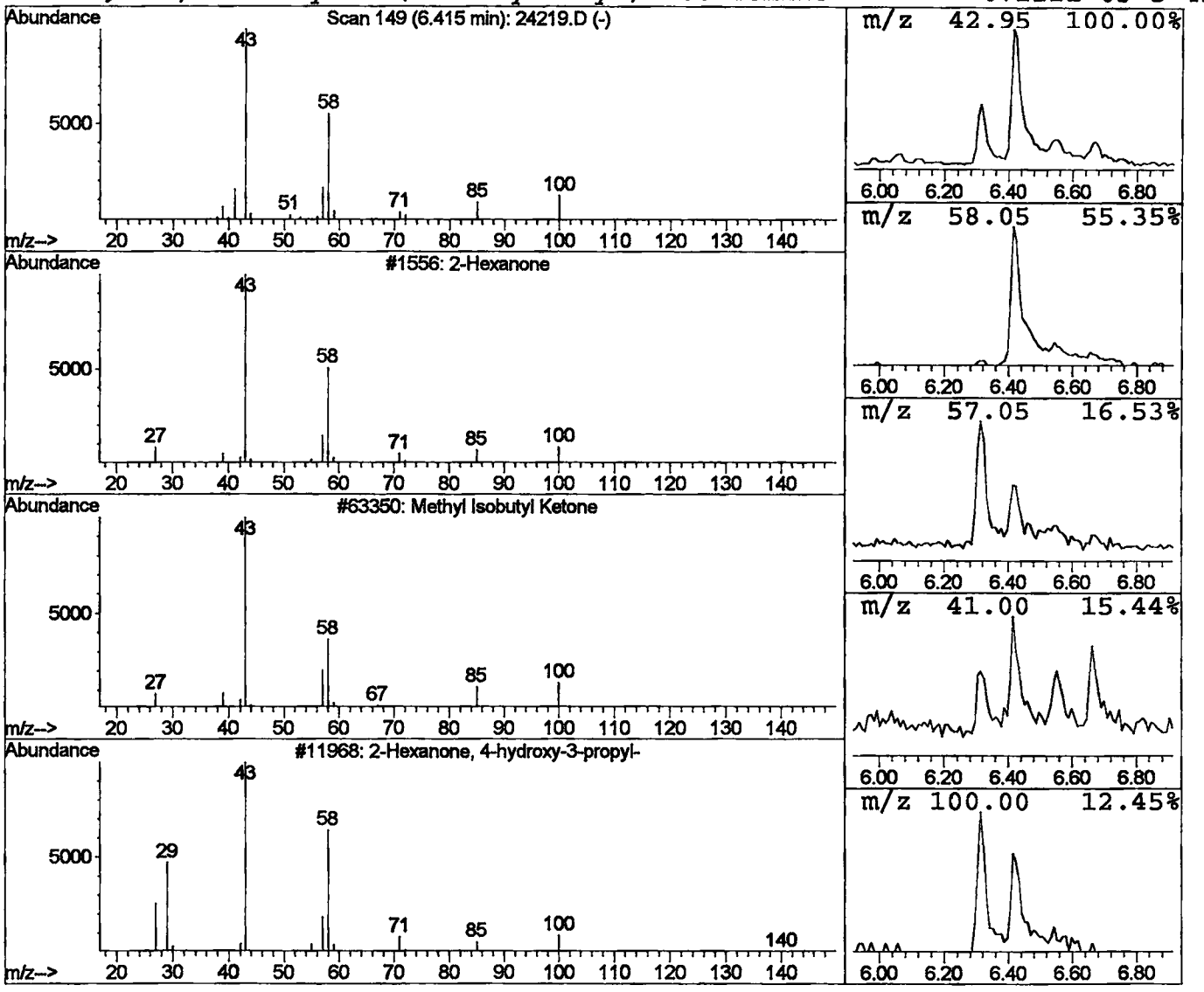
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 2-Hexanone Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.42 | 0.71 ug/l | 102505 | 1,4-Dichlorobenzene-d4 | 11.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexanone | 100 | C6H12O | 000591-78-6 | 86 |
| 2 | Methyl Isobutyl Ketone | 100 | C6H12O | 000108-10-1 | 58 |
| 3 | 2-Hexanone, 4-hydroxy-3-propyl- | 158 | C9H18O2 | 062338-17-4 | 56 |
| 4 | Oxirane, 2-methyl-2-(1-methylethyl) | 100 | C6H12O | 072221-03-5 | 45 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24219.D
Acq On : 1 Nov 2001 7:54 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

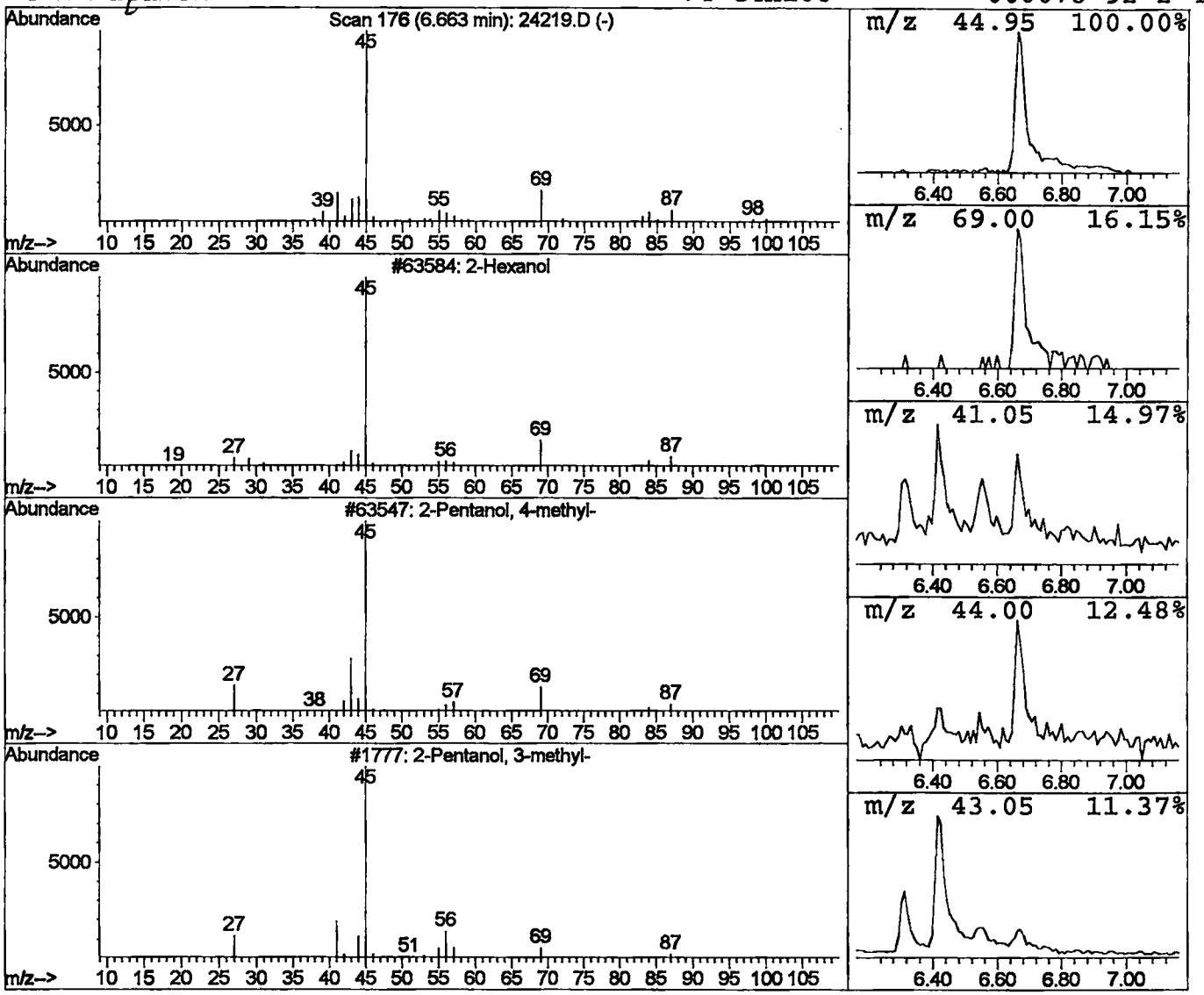
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 2-Hexanol Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.66 | 0.44 ug/l | 64053 | 1,4-Dichlorobenzene-d4 | 11.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexanol | 102 | C6H14O | 000626-93-7 | 78 |
| 2 | 2-Pentanol, 4-methyl- | 102 | C6H14O | 000108-11-2 | 64 |
| 3 | 2-Pentanol, 3-methyl- | 102 | C6H14O | 000565-60-6 | 50 |
| 4 | 2-Butanol | 74 | C4H10O | 000078-92-2 | 45 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24219.D
Acq On : 1 Nov 2001 7:54 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

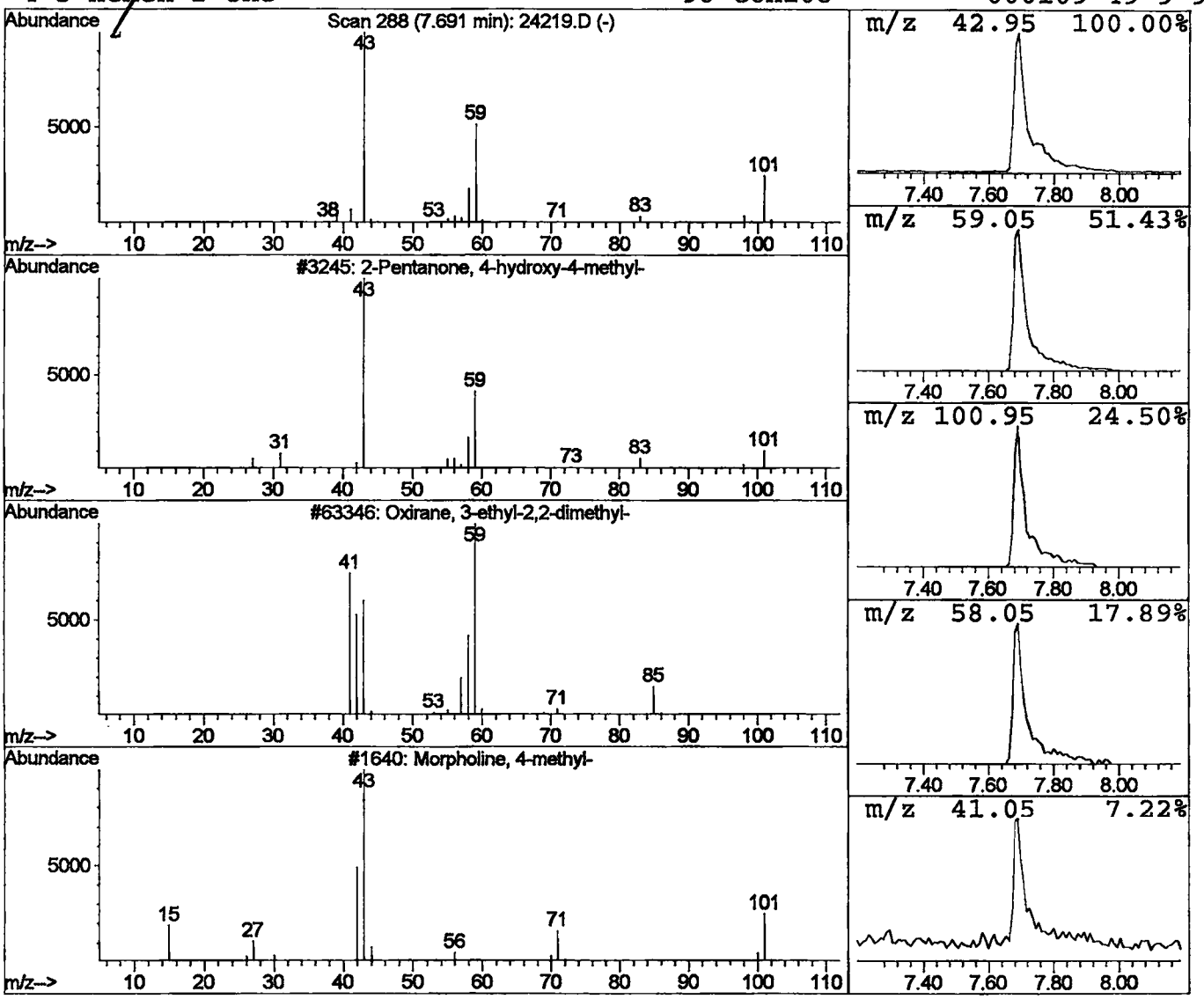
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.69 | 1.73 ug/l | 250299 | 1,4-Dichlorobenzene-d4 | 11.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 39 |
| 2 | Oxirane, 3-ethyl-2,2-dimethyl- | 100 | C6H12O | 001192-22-9 | 25 |
| 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\NOV0101\24219.D
Acq On : 1 Nov 2001 7:54 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

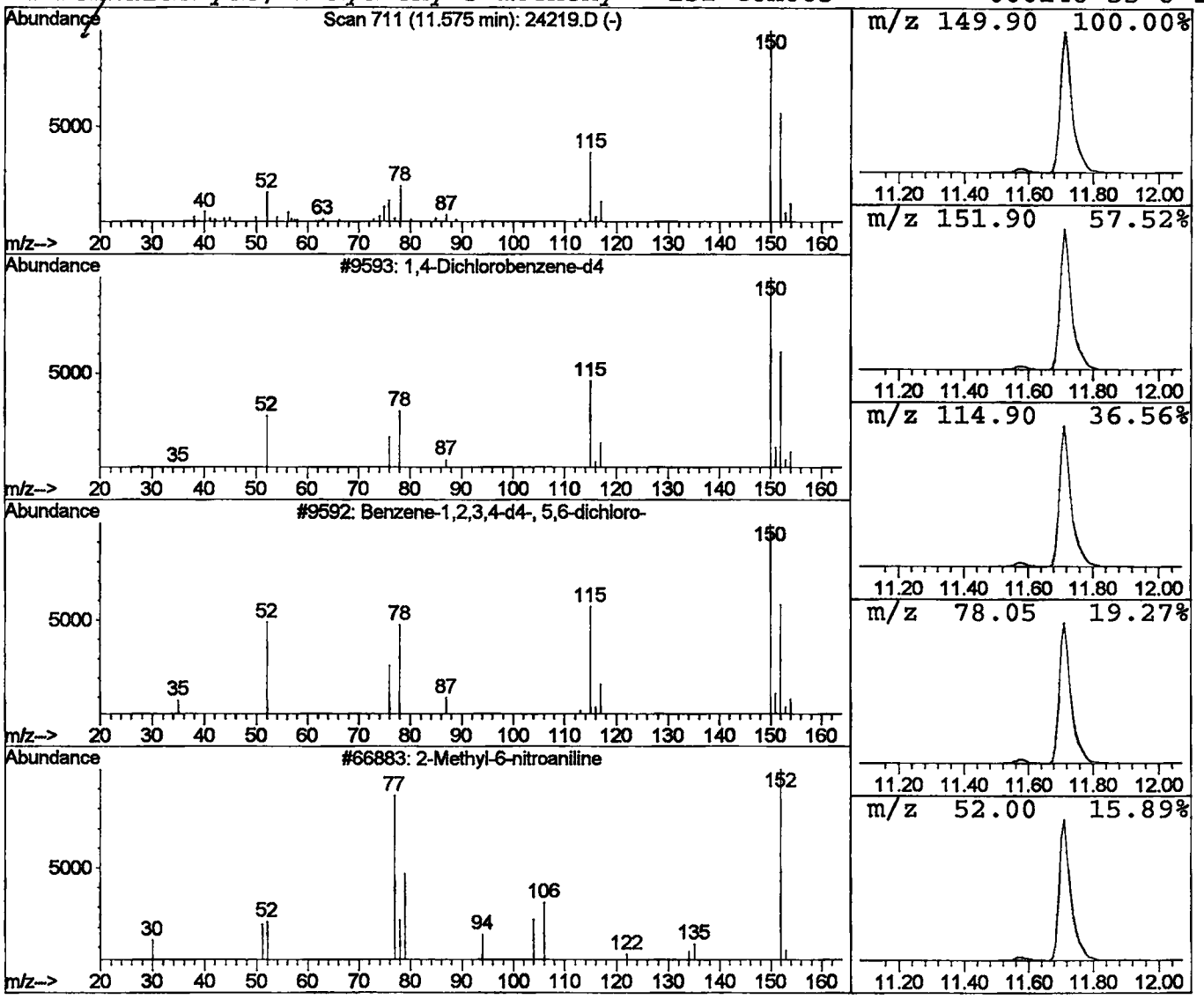
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 4 1,4-Dichlorobenzene-d4 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.57 | 0.57 ug/l | 82120 | 1,4-Dichlorobenzene-d4 | 11.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 150 | C6Cl2D4 | 003855-82-1 | 53 |
| 2 | Benzene-1,2,3,4-d4-, 5,6-dichloro- | 150 | C6Cl2D4 | 002199-69-1 | 35 |
| 3 | 2-Methyl-6-nitroaniline | 152 | C7H8N2O2 | 000570-24-1 | 10 |
| 4 | Benzaldehyde, 2-hydroxy-3-methoxy- | 152 | C8H8O3 | 000148-53-8 | 10 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24219.D
Acq On : 1 Nov 2001 7:54 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 6
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

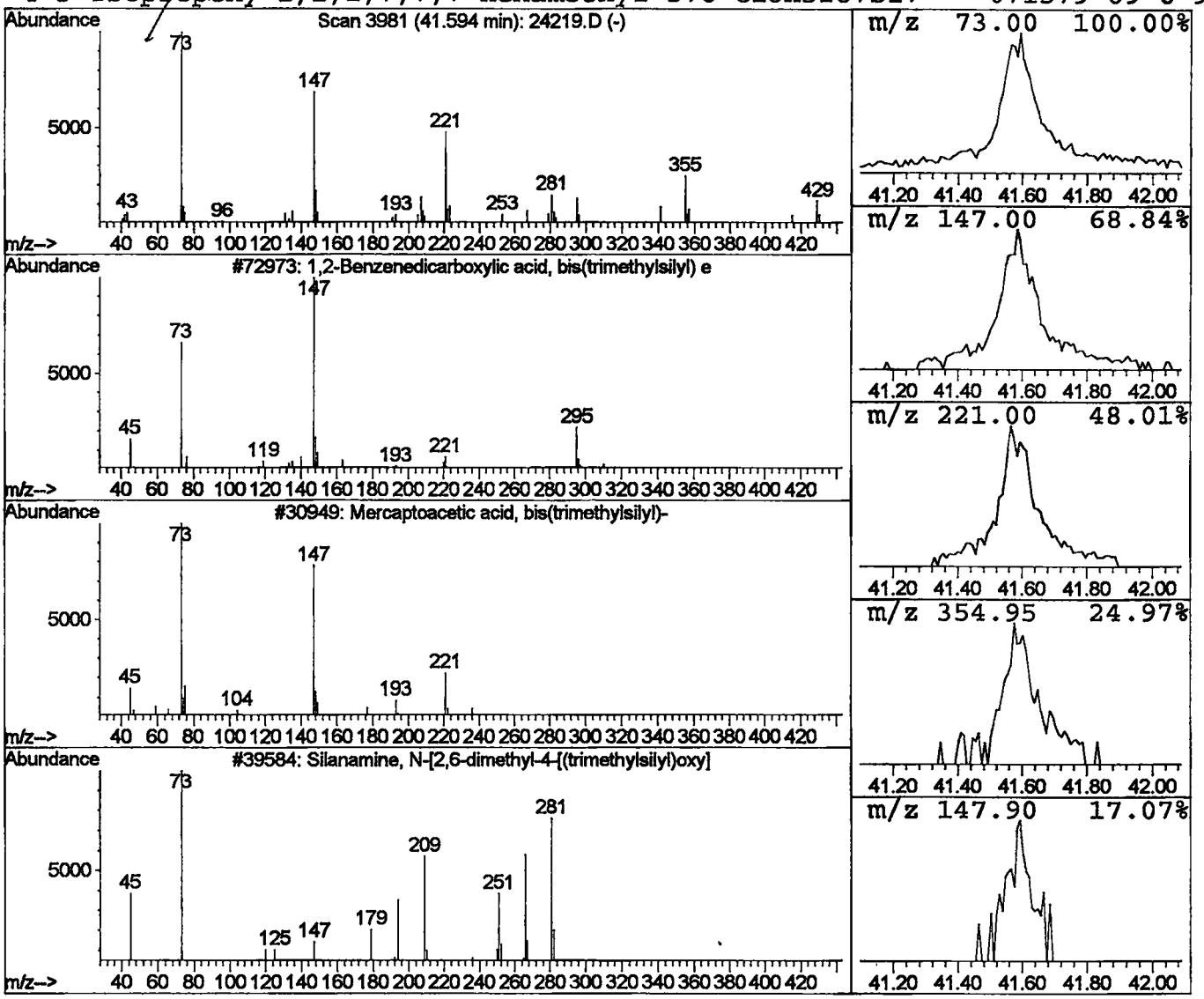
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 5 1,2-Benzenedicarboxylic acid, Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 41.59 | 0.64 ug/l | 90506 | Perylene-d12 | 37.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Benzenedicarboxylic acid, bis(t | 310 | C14H22O4Si2 | 002078-22-0 | 12 |
| 2 | Mercaptoacetic acid, bis(trimethyls | 236 | C8H20O2SSi2 | 006398-62-5 | 12 |
| 3 | Silanamine, N-[2,6-dimethyl-4-[(tri | 281 | C14H27NOSi2 | 072088-09-6 | 11 |
| 4 | 3-Isopropoxy-1,1,1,7,7,7-hexamethyl | 576 | C18H52O7Si7 | 071579-69-6 | 9 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 1 Nov 2001 7:54 pm
Data File: C:\HPCHEM\1\DATA\NOV0101\24219.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP101901.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-Hexanone | 6.42 | 0.7 | ug/l | 102505 | ISTD01 | 11.71 | 2894970 | 20.0 |
| 2-Hexanol | 6.66 | 0.4 | ug/l | 64053 | ISTD01 | 11.71 | 2894970 | 20.0 |
| 2-Pentanone, 4-hydro | 7.69 | 1.7 | ug/l | 250299 | ISTD01 | 11.71 | 2894970 | 20.0 |
| 1,4-Dichlorobenzene- | 11.57 | 0.6 | ug/l | 82120 | ISTD01 | 11.71 | 2894970 | 20.0 |
| 1,2-Benzenedicarboxy | 41.59 | 0.6 | ug/l | 90506 | ISTD06 | 37.15 | 2850060 | 20.0 |

24219.D NP103001.M Tue Nov 06 11:50:04 2001

**Comments for Sample AD24219 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 11-07-2001 Time: 15:00:15

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds. However, 1,2-Dichlorobenzene-d4 is present at 0.27 ug/L, probably due to laboratory contamination since it is a Surrogate Standard used in GCMS methods. Also present are some siloxanes associated with column bleed.