User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 12/12/2001 Time: 09:33:54

Sample: AD25944
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/12/01 09:33 Ended: 12/12/01 09:33 Analyst: MG
Page: 1

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

**Comments for Sample AD25944 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 12-12-2001 Time: 09:33:59

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\NOV2101\25944.D Vial: 10
Acq On : 21 Nov 2001 8:10 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 21 20:59 2001 Quant Results File: NP103001.RES

Quant 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
DataAcq Meth : NP103001

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.72 | 152 | 877233 | 20.00 | ug/l | 0.00 |
| 19) Naphthalene-d8 | 15.32 | 136 | 3357562 | 20.00 | ug/l | 0.00 |
| 31) Acenaphthene-d10 | 20.59 | 164 | 1667765 | 20.00 | ug/l | -0.02 |
| 49) Phenanthrene-d10 | 25.02 | 188 | 2515017 | 20.00 | ug/l | -0.02 |
| 59) Chrysene-d12 | 33.06 | 240 | 1756348 | 20.00 | ug/l | 0.00 |
| 68) Perylene-d12 | 37.15 | 264 | 1182373 | 20.00 | ug/l | 0.00 |
| **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 | 664 | 0.01 | ug/l | 0.49 |
| Spiked Amount 75.000 | | | Recovery = | 0.01% | | |
| 7) 1,2-Dichlorobenzene-d4 | 12.27 | 152 | 1649 | 0.04 | ug/l | 0.02 |
| Spiked Amount 50.000 | | | Recovery = | 0.08% | | |
| 20) Nitrobenzene-d5 | 0.00 | 82 | 0 | 0.00 | ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | | |
| 32) 2-Fluorobiphenyl | 18.75 | 172 | 2068 | 0.02 | ug/l | 0.13 |
| Spiked Amount 50.000 | | | Recovery = | 0.04% | | |
| 33) 2,4,6-Tribromophenol | 0.00 | 330 | 0 | 0.00 | ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | | |
| 62) Terphenyl-d14 | 0.00 | 244 | 0 | 0.00 | ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Pyridine | 0.00 | 79 | 0 | N.D. | | |
| 3) N-nitroso-dimethyl amine | 5.64 | 74 | 174 | N.D. | | |
| 8) Phenol | 0.00 | 94 | 0 | 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. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2101\25944.D Vial: 10
Acq On : 21 Nov 2001 8:10 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 21 20:59 2001 Quant Results File: NP103001.RES

Quant 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
DataAcq Meth : NP103001

| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 17) | N-Nitroso-di-n-propylamine | 0.00 | 70 | 0 | N.D. | |
| 18) | Hexachloroethane | 0.00 | 117 | 0 | N.D. | |
| 21) | Nitrobenzene | 13.10 | 77 | 100 | N.D. | |
| 22) | Isophorone | 0.00 | 82 | 0 | N.D. | |
| 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 | 15.38 | 128 | 515 | 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 | 0.00 | 163 | 0 | N.D. | |
| 39) | 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.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 | 21.08 | 165 | 193 | N.D. | |
| 45) | Diethylphthalate | 22.11 | 149 | 604 | 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 | 25.01 | 178 | 825 | N.D. | |
| 56) | Anthracene | 25.01 | 178 | 825 | N.D. | |
| 57) | Di-n-butylphthalate | 27.03 | 149 | 4733 | N.D. | |
| 58) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 60) | 3,3'-Dichlorobenzidine | 0.00 | 252 | 0 | N.D. | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2101\25944.D Vial: 10
Acq On : 21 Nov 2001 8:10 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 21 20:59 2001 Quant Results File: NP103001.RES

Quant 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
DataAcq Meth : NP103001

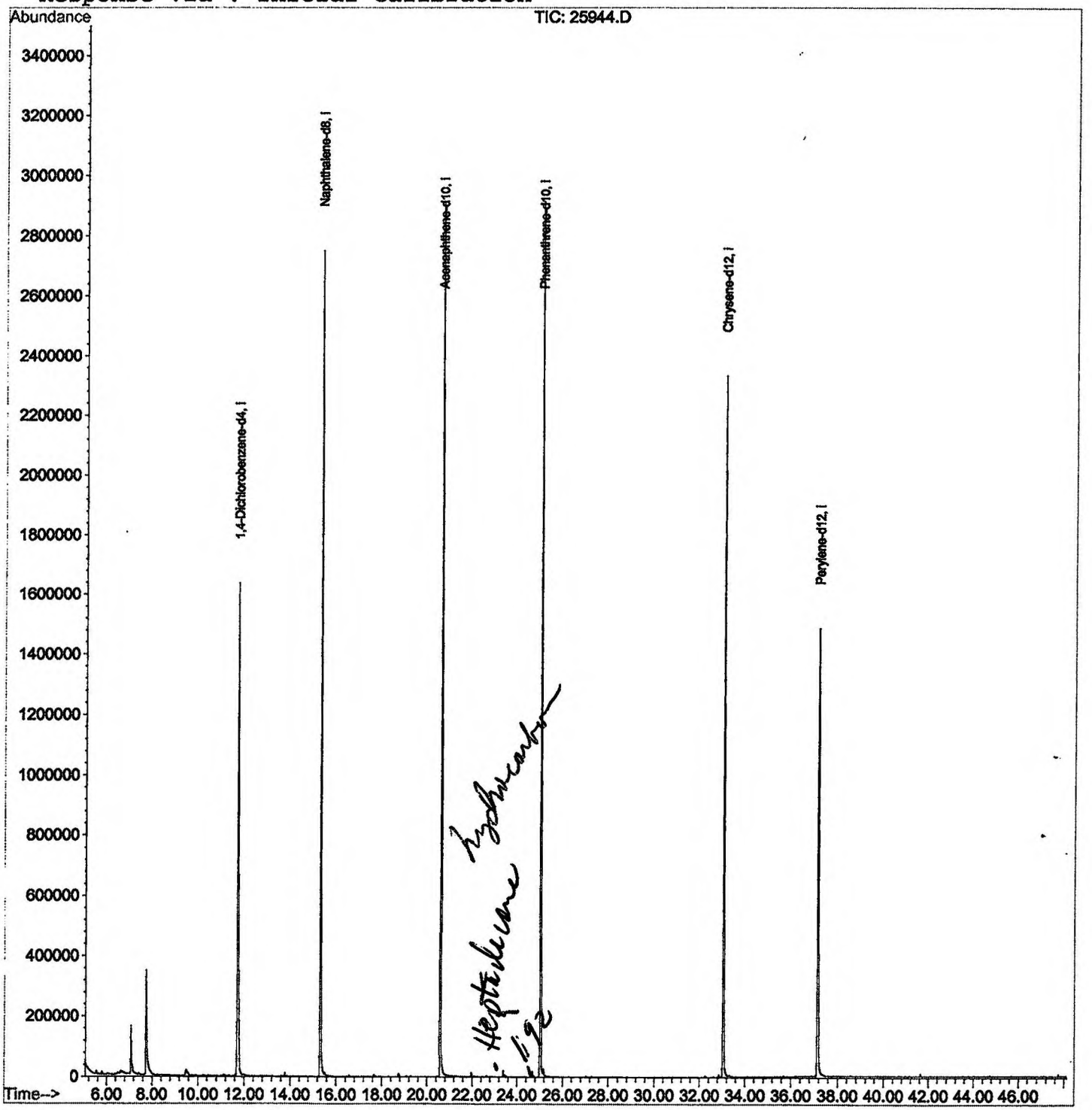
| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 61) Benzidine | 0.00 | 184 | 0 | N.D. | |
| 63) Pyrene | 0.00 | 202 | 0 | N.D. | |
| 64) Butylbenzylphthalate | 31.54 | 149 | 546 | N.D. | |
| 65) Benzo(a)anthracene | 33.06 | 228 | 4342 | N.D. | |
| 66) Bis(2-ethylhexyl)phthalate | 33.34 | 149 | 3132 | N.D. | |
| 67) Chrysene | 33.06 | 228 | 4342 | N.D. | |
| 69) Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 70) Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 71) Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 72) Benzo(a)pyrene | 37.16 | 252 | 4485 | 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
25944.D GCMS1126.M Tue Dec 11 09:02:14 2001 Page 3

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2101\25944.D Vial: 10
Acq On : 21 Nov 2001 8:10 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 21 20:59 2001 Quant Results File: NP103001.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\NOV2101\25944.D  Vial: 10
Acq On : 21 Nov 2001 8:10 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

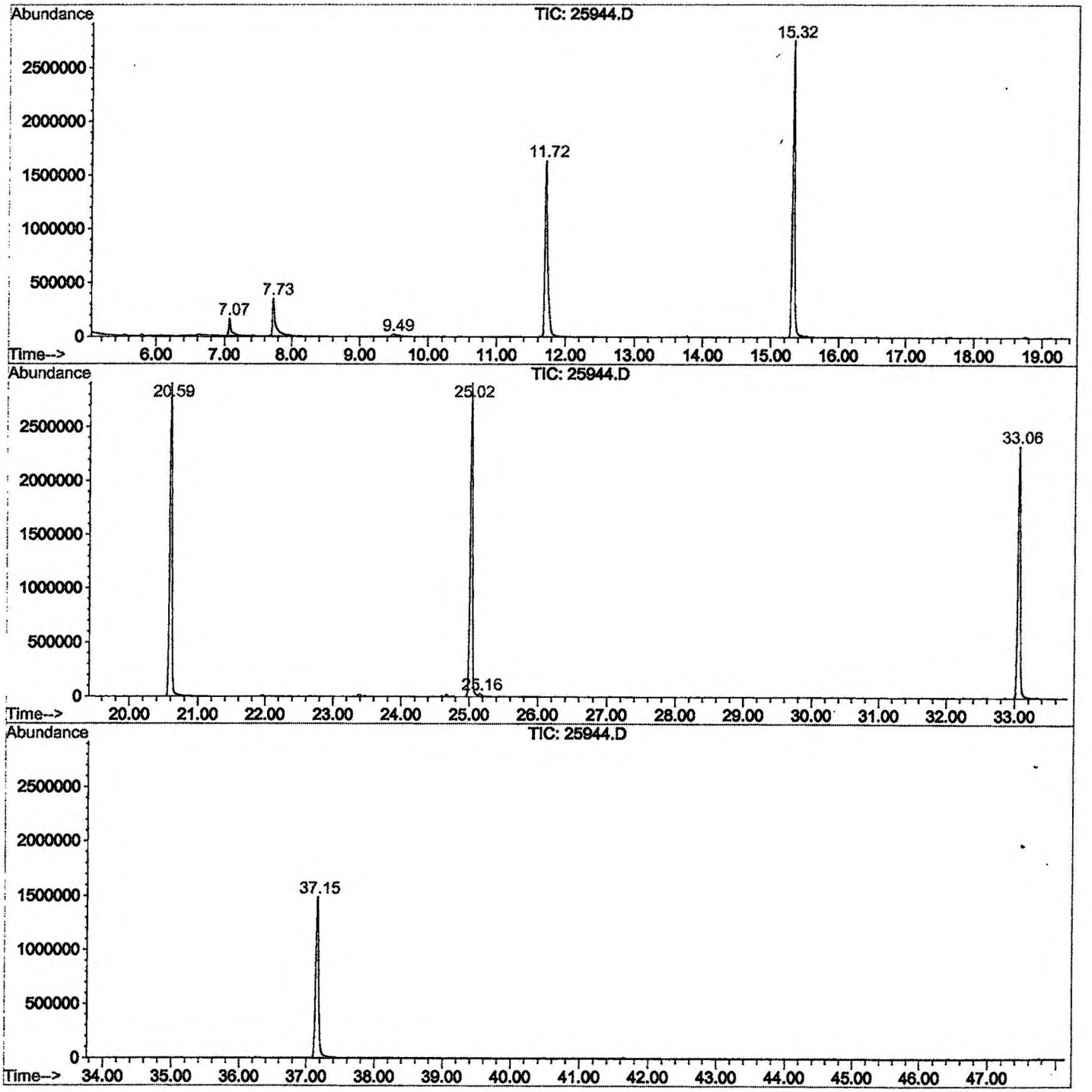
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.070 | 217 | 221 | 238 | rBV | 158078 | 402962 | 6.08% | 1.131% |
| 2 | 7.731 | 289 | 293 | 330 | rVB | 346315 | 1111360 | 16.76% | 3.119% |
| 3 | 9.494 | 478 | 485 | 493 | rBV2 | 18889 | 88788 | 1.34% | 0.249% |
| 4 | 11.715 | 721 | 727 | 748 | rBV | 1635896 | 4605701 | 69.44% | 12.924% |
| 5 | 15.323 | 1114 | 1120 | 1138 | rBV | 2749614 | 6127413 | 92.39% | 17.194% |
| 6 | 20.593 | 1688 | 1694 | 1709 | rBV | 2913335 | 6632190 | 100.00% | 18.611% |
| 7 | 25.018 | 2169 | 2176 | 2188 | rBV2 | 2914261 | 6595799 | 99.45% | 18.509% |
| 8 | 25.155 | 2188 | 2191 | 2199 | rVB | 23121 | 70268 | 1.06% | 0.197% |
| 9 | 33.060 | 3044 | 3052 | 3072 | rBV2 | 2332579 | 5526204 | 83.32% | 15.507% |
| 10 | 37.154 | 3490 | 3498 | 3527 | rBV2 | 1482781 | 4475733 | 67.48% | 12.559% |

Sum of corrected areas: 35636418

25944.D NP103001.M Tue Dec 11 09:28:26 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2101\25944.D
Operator : 209 GALOS
Acquired : 21 Nov 2001 8:10 pm using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 10
Quant File :NP103001.RES (RTE Integrator)




25944.D NP103001.M Tue Dec 11 09:28:31 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2101\25944.D
Acq On : 21 Nov 2001 8:10 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 10
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

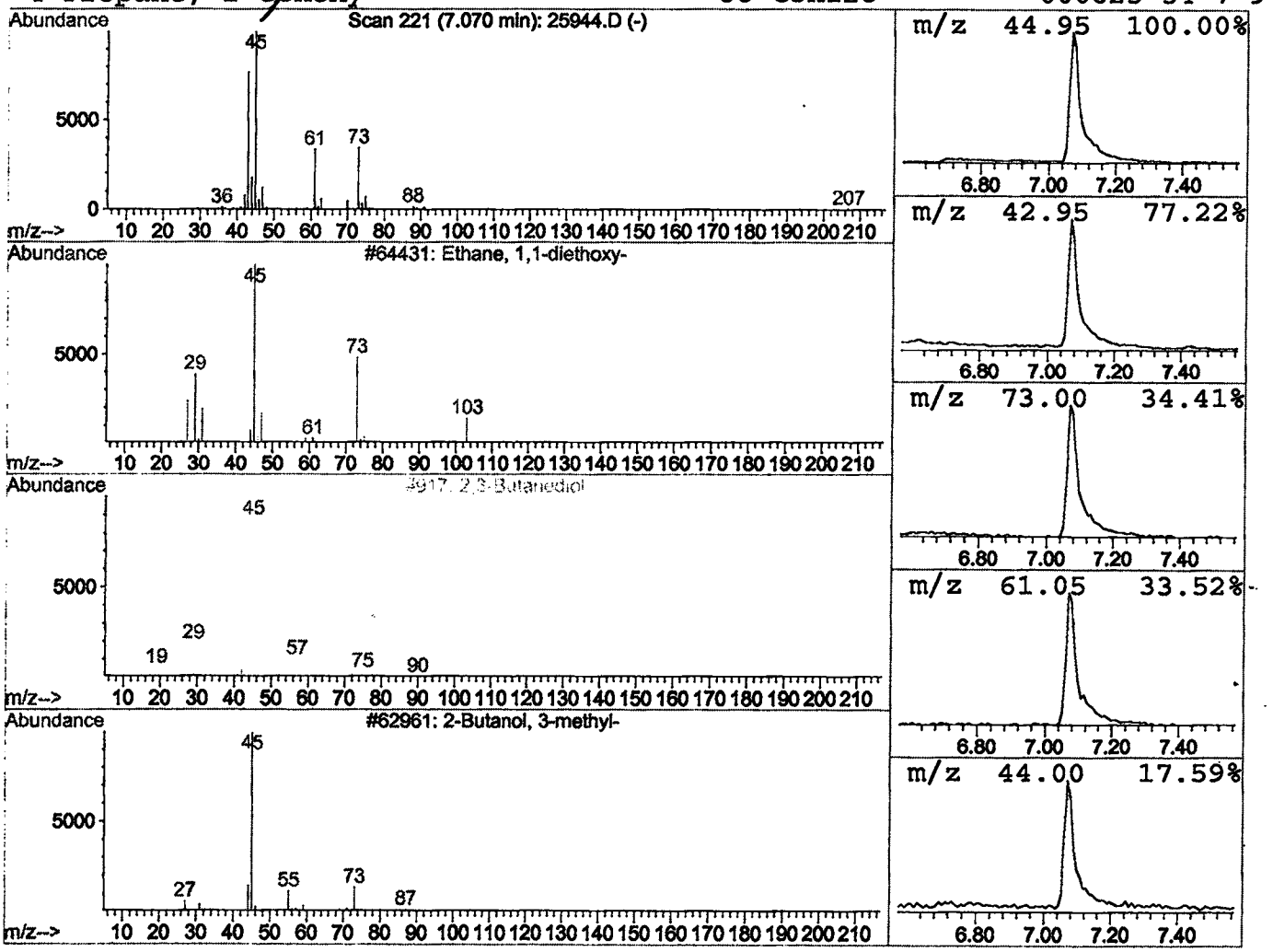
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Ethane, 1,1-diethoxy- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.07 | 1.75 ug/l | 402962 | 1,4-Dichlorobenzene-d4 | 11.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethane, 1,1-diethoxy- | 118 | C6H14O2 | 000105-57-7 | 42 |
| 2 | 2,3-Butanediol | 90 | C4H10O2 | 000513-85-9 | 28 |
| 3 | 2-Butanol, 3-methyl- | 88 | C5H12O | 000598-75-4 | 9 |
| 4 | Propane, 2-ethoxy- | 88 | C5H12O | 000625-54-7 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2101\25944.D
Acq On : 21 Nov 2001 8:10 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 10
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

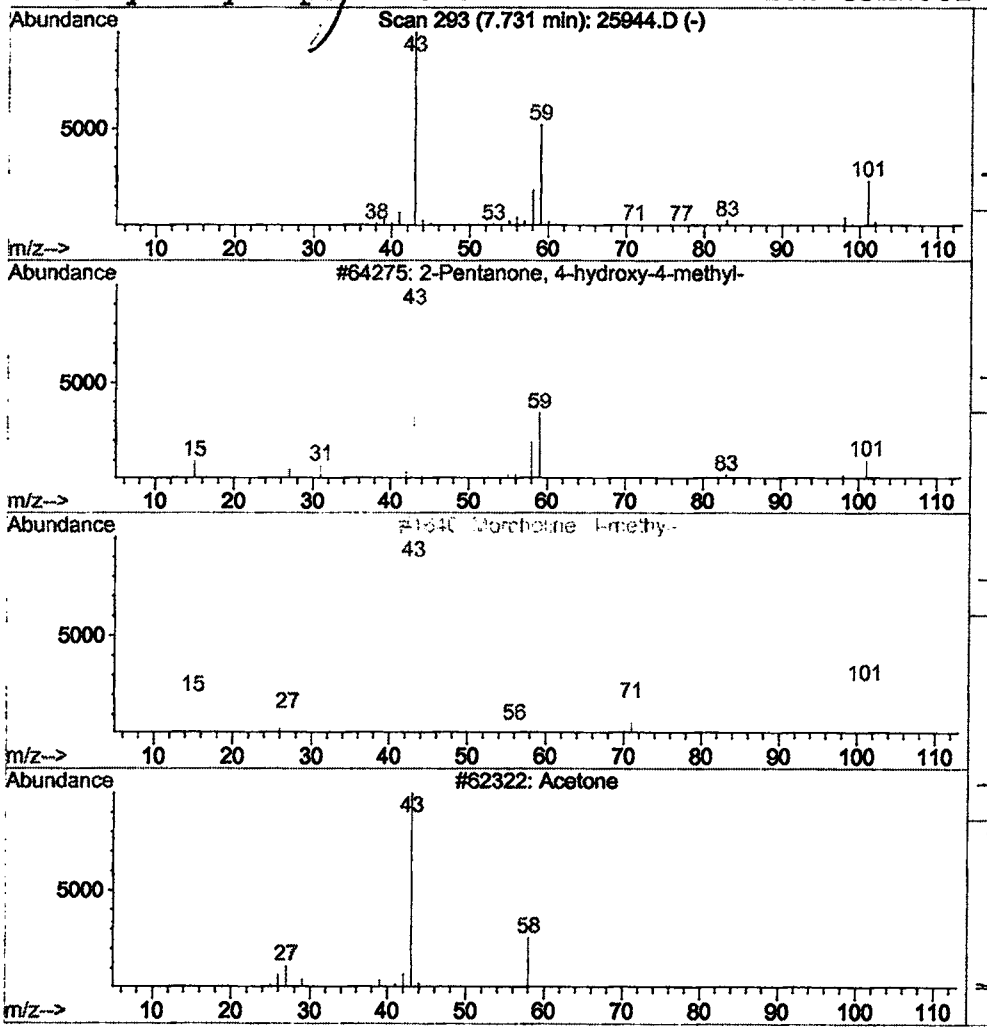
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

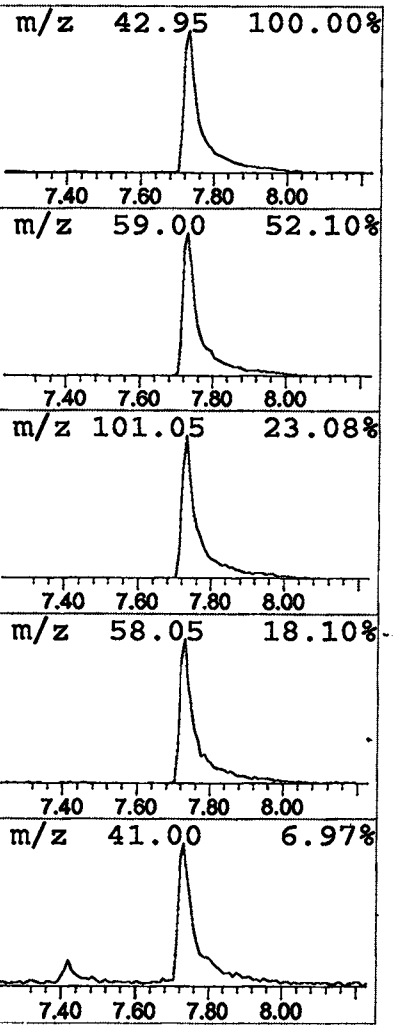
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.73 | 4.83 ug/l | 1111360 | 1,4-Dichlorobenzene-d4 | 11.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 38 |
| 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 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 21 Nov 2001 8:10 pm
Data File: C:\HPCHEM\1\DATA\NOV2101\25944.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP103001.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 |
|---|---|---|---|---|---|---|---|---|
| Ethane, 1,1-diethoxy | 7.07 | 1.7 | ug/l | 402962 | ISTD01 | 11.72 | 4605700 | 20.0 |
| 2-Pentanone, 4-hydro | 7.73 | 4.8 | ug/l | 1111360 | ISTD01 | 11.72 | 4605700 | 20.0 |

25944.D NP103001.M Tue Dec 11 09:28:46 2001