User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 12/06/2001 Time: 15:45:30

Sample: AD25830
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/6/01 15:35 Ended: 12/6/01 15:35 Analyst: MG
Page: 1

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

**Comments for Sample AD25830 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 12-06-2001 Time: 15:45:36

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 : QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV1901\25 ).I
Acq On : 19 Nov 2001 6:12 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 5 15:01 2001

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
( t Results File: NP103001.RES

Quant Method : C:\HPCHEM\1\METHODS\N 01 RT Integrator)
Title : 209 625/TCLP calibrati b
Last Update : Fri Nov 02 16:41:16 2
Response via : Initial Calibration
DataAcq Meth : NP103001

| Internal Standards | R.T. | | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.71 | | 34 | 20.00 | ug/l | -0.01 |
| 19) Naphthalene-d8 | 15.32 | | 81 | 20.00 | ug/l | -0.01 |
| 31) Acenaphthene-d10 | 20.60 | | 10 | 20.00 | ug/l | -0.01 |
| 49) Phenanthrene-d10 | 25.02 | | 55 | 20.00 | ug/l | -0.01 |
| 59) Chrysene-d12 | 33.06 | | 27 | 20.00 | ug/l | -0.01 |
| 68) Perylene-d12 | 37.10 | | 80 | 20.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 0.00 | | ( | 0.00 | ug/l | |
| Spiked Amount 75.000 | | | ecovery = | 0.00% | | |
| 5) Phenol-d5 | 0.00 | | ( | 0.00 | ug/l | |
| Spiked Amount 75.000 | | | ec very = | 0.00% | | |
| 6) 2-Chlorophenol-d4 | 11.70 | | 76 | 0.01 | ug/l | 0.47 |
| Spiked Amount 75.000 | | | ec very = | 0.01% | | |
| 7) 1,2-Dichlorobenzene-d4 | 12.2 | | 15 | 0.0 | ug/l | -0.04 |
| Spiked Amount 50.000 | | | ec very = | 0.06% | | |
| 20) Nitrobenzene-d5 | 0.0 | | | 0.0 | ug/l | |
| Spiked Amount 50.000 | | | ec very = | 0.00% | | |
| 32) 2-Fluorobiphenyl | 18.74 | | 19 | 0.02 | ug/l | 0.13 |
| Spiked Amount 50.000 | | | ec very = | 0.04% | | |
| 33) 2,4,6-Tribromophenol | 0.00 | | ( | 0.00 | ug/l | |
| Spiked Amount 75.000 | | | ec very = | 0.00% | | |
| 62) Terphenyl-d14 | 0.0 | | ( | 0.0 | ug/l | |
| Spiked Amount 50.000 | | | ec very = | 0.00% | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Pyridine | 0.0 | | | N.D. | | |
| 3) N-nitroso-dimethyl amine | 0.0 | | | N.D. | | |
| 8) Phenol | 0.0 | | | N.D. | | |
| 9) bis(2-Chloroethyl)ether | 0.0 | | | N.D. | | |
| 10) 2-Chlorophenol | 0.0 | | | N.D. | | |
| 11) 1,3-Dichlorobenzene | 0.0 | | ( | N.D. | | |
| 12) 1,4-Dichlorobenzene | 0.0 | | ( | N.D. | | |
| 13) 1,2-Dichlorobenzene | 0.0 | | ( | N.D. | | |
| 14) 2-Methylphenol | 0.0 | | ( | N.D. | | |
| 15) 2,2'-oxybis(1-Chloropropan | 0.0 | | | N.D. | | |
| 16) 3&4-Methylphenol | 0.0 | | ( | N.D. | | |
| 17) N-Nitroso-di-n-propylamine | 0.0 | | | N.D. | | |
| 18) Hexachloroethane | 0.0 | | | N.D. | | |
| 21) Nitrobenzene | 0.0 | | | N.D. | | |
| 22) Isophorone | 0.0 | | | N.D. | | |

(#) = qualifier out of range (m) = ma nte ti n
25830.D NP103001.M Wed Dec 05 1 46 2

Quantitat[illegible] epor[illegible] QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV190[illegible]0.D  Vial: 4
Acq On : 19 Nov 2001 6:12 pm  Oper[illegible]tor: 209 GALOS
Sample : gc/ms unknown  Inst : GC/MS 209
Misc :  Mult[illegible]plr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 15:01 2001  C[illegible]esults File: NP103001.RES

Quant Method : C:\HPCHEM\1\METHODS\[illegible]001. (RT Integrator)
Title : 209 625/TCLP calibra[illegible]tabl
Last Update : Fri Nov 02 16:41:16 [illegible]
Response via : Initial Calibration
DataAcq Meth : NP103001

| | Compound | R.T. | [illegible] | R | on [illegible] | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 23) | 2-Nitrophenol | 0.0 | | | | | N.D. | |
| 24) | 2,4-Dimethylphenol | 0.0 | | | | | N.D. | |
| 25) | bis(2-Chloroethoxy)methane | 0.0 | | | | | N.D. | |
| 26) | 2,4-Dichlorophenol | 0.0 | | | | | N.D. | |
| 27) | 1,2,4-Trichlorobenzene | 0.0 | | | | | N.D. | |
| 28) | Naphthalene | 15.3 | | | 95 | | N.D. | |
| 29) | Hexachlorobutadiene | 0.0 | | | | | N.D. | |
| 30) | 4-Chloro-3-methylphenol | 0.0 | | | | | N.D. | |
| 34) | Hexachlorocyclopentadiene | 0.0 | | | | | N.D. | |
| 35) | 2,4,6-Trichlorophenol | 0.0 | | | | | N.D. | |
| 36) | 2,4,5-Trichlorophenol | 0.0 | | | | | N.D. | |
| 37) | 2-Chloronaphthalene | 0.0 | | | | | N.D. | |
| 38) | Dimethylphthalate | 0.0 | | | | | N.D. | |
| 39) | 2,6-Dinitrotoluene | 0.0 | | | | | N.D. | |
| 40) | Acenaphthylene | 0.0 | | | | | N.D. | |
| 41) | Acenaphthene | 0.0 | | | | | N.D. | |
| 42) | 2,4-Dinitrophenol | 0.0 | | | | | N.D. | |
| 43) | 4-Nitrophenol | 0.0 | | | | | N.D. | |
| 44) | 2,4-Dinitrotoluene | 21.3 | | | 10 | | N.D. | |
| 45) | Diethylphthalate | 22.1 | | | 35 | | N.D. | |
| 46) | 4-Chlorophenyl-phenylether | 0.0 | | | | | N.D. | |
| 47) | Fluorene | 0.0 | | | | | N.D. | |
| 48) | Azobenzen/ 1,2-Diphenylhyd | 0.0 | | | | | N.D. | |
| 50) | 4,6-Dinitro-2-methylphenol | 0.0 | | | | | N.D. | |
| 51) | N-Nitrosodiphenylamine | 0.0 | | | | | N.D. | |
| 52) | 4-Bromophenyl-phenylether | 0.0 | | | | | N.D. | |
| 53) | Hexachlorobenzene | 0.0 | | | | | N.D. | |
| 54) | Pentachlorophenol | 0.0 | | | | | N.D. | |
| 55) | Phenanthrene | 0.0 | | | | | N.D. | d |
| 56) | Anthracene | 0.0 | | | | | N.D. | d |
| 57) | Di-n-butylphthalate | 0.0 | | | | | N.D. | d |
| 58) | Fluoranthene | 0.0 | | | | | N.D. | |
| 60) | 3,3'-Dichlorobenzidine | 0.0 | | | | | N.D. | |
| 61) | Benzidine | 0.0 | | | | | N.D. | |
| 63) | Pyrene | 0.0 | | | | | N.D. | |
| 64) | Butylbenzylphthalate | 31.5 | | | 39 | | N.D. | |
| 65) | Benzo(a)anthracene | 33.0 | | | 51 | | N.D. | |
| 66) | bis(2-ethylhexyl)phthalate | 33.3 | | | 61 | | N.D. | |
| 67) | Chrysene | 33.0 | [illegible] | | 51 | | N.D. | |
| 69) | Di-n-Octylphthalate | 35.0 | 1 | | 33 | | N.D. | |
| 70) | Benzo(b)fluoranthene | 0.0 | 2 | | | | N.D. | |

(#) = qualifier out of range (m) = m[illegible] [illegible]nte[illegible]ti[illegible]n

Quantitat epor QT Revi wed)

Data File : C:\HPCHEM\1\DATA\NOV190 30.D Vial: 4
Acq On : 19 Nov 2001 6:12 pm Ope tor: 209 GALOS
Sample : gc/ms unknown Ins : GC/MS 209
Misc : Mul plr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 15:01 2001 C sults File: NP103001.RES

Quant Method : C:\HPCHEM\1\METHODS\ 001. (RT Integ tor)
Title : 209 625/TCLP calibra tabl
Last Update : Fri Nov 02 16:41:16
Response via : Initial Calibration
DataAcq Meth : NP103001

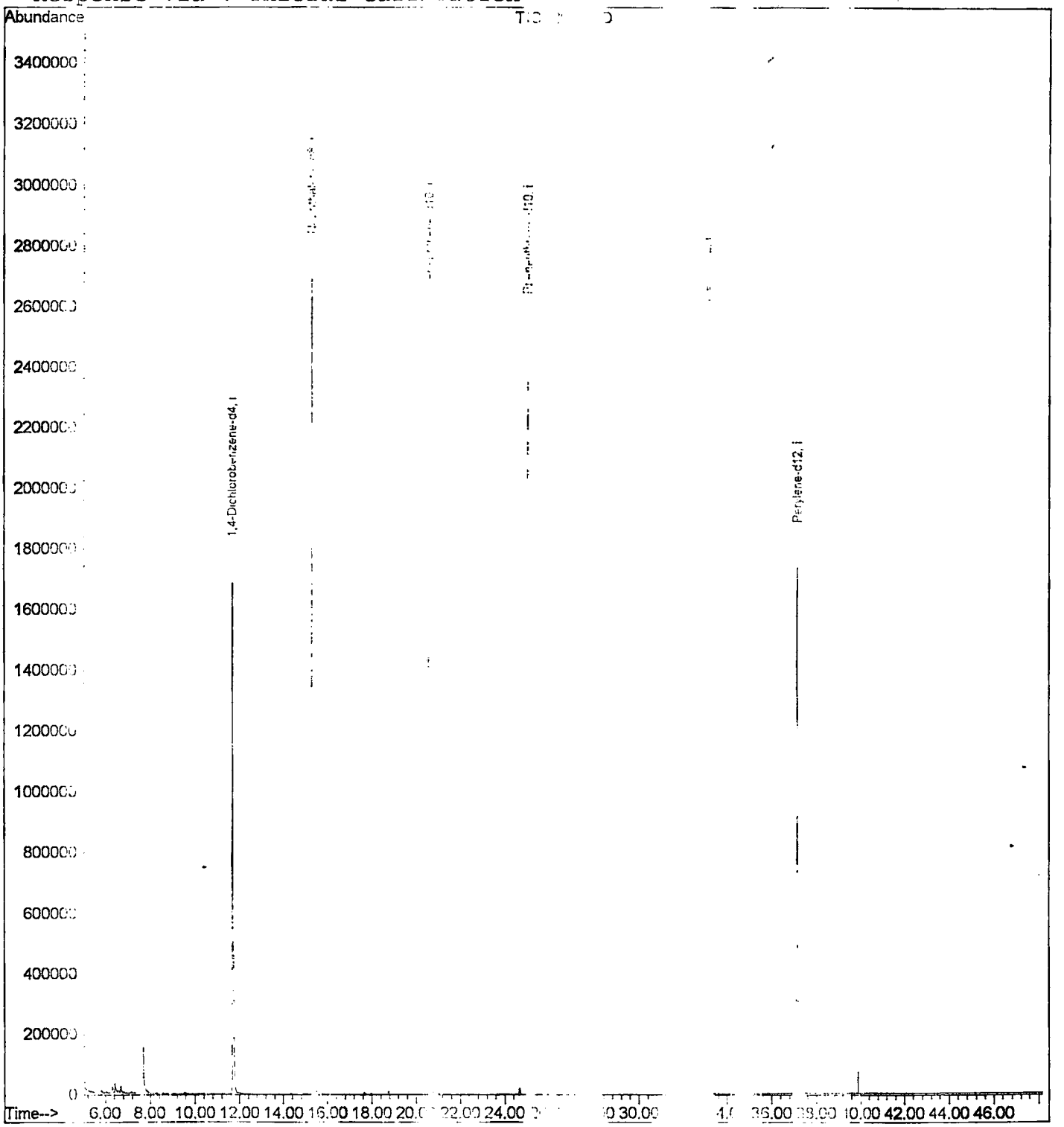
| | Compound | R.T | n | R | on | e | Co | Unit | Qvalue |
|---|---|---|---|---|---|---|---|---|---|
| 71) | Benzo(k)fluoranthene | 0.0 | 2 | | | | | .D. | |
| 72) | Benzo(a)pyrene | 37.3 | 2 | | 91 | | | D. | |
| 73) | Indeno(1,2,3-cd)pyrene | 0.0 | 6 | | | | | .D. | |
| 74) | Dibenz(a,h)anthracene | 0.0 | 8 | | | | | D. | |
| 75) | Benzo(g,h,i)perylene | 0.0 | 6 | | | | | .D. | |

(#) = qualifier out of range (m) = ma inte ti
25830.D NP103001.M Wed Dec 05 1 52 2

Quantitati : epor

Data File : C:\HPCHEM\1\DATA\NOV19C . 30.D ial: 4
Acq On : 19 Nov 2001 6:12 pm Op tor: 209 GALOS
Sample : gc/ms unknown Ins : GC/MS 209
Misc :
MS Integration Params: RTEINT.P Mul plr: 1.00
Quant Time: Dec 5 15:01 2001 ( sults File: NP103001.RES

Method : C:\HPCHEM\1\METHODS\ 001. RT Integrator)
Title : 209 625/TCLP calibra tabl
Last Update : Fri Nov 02 16:41:16 0
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV1901\25830.D
Acq On : 19 Nov 2001 6:12 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

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

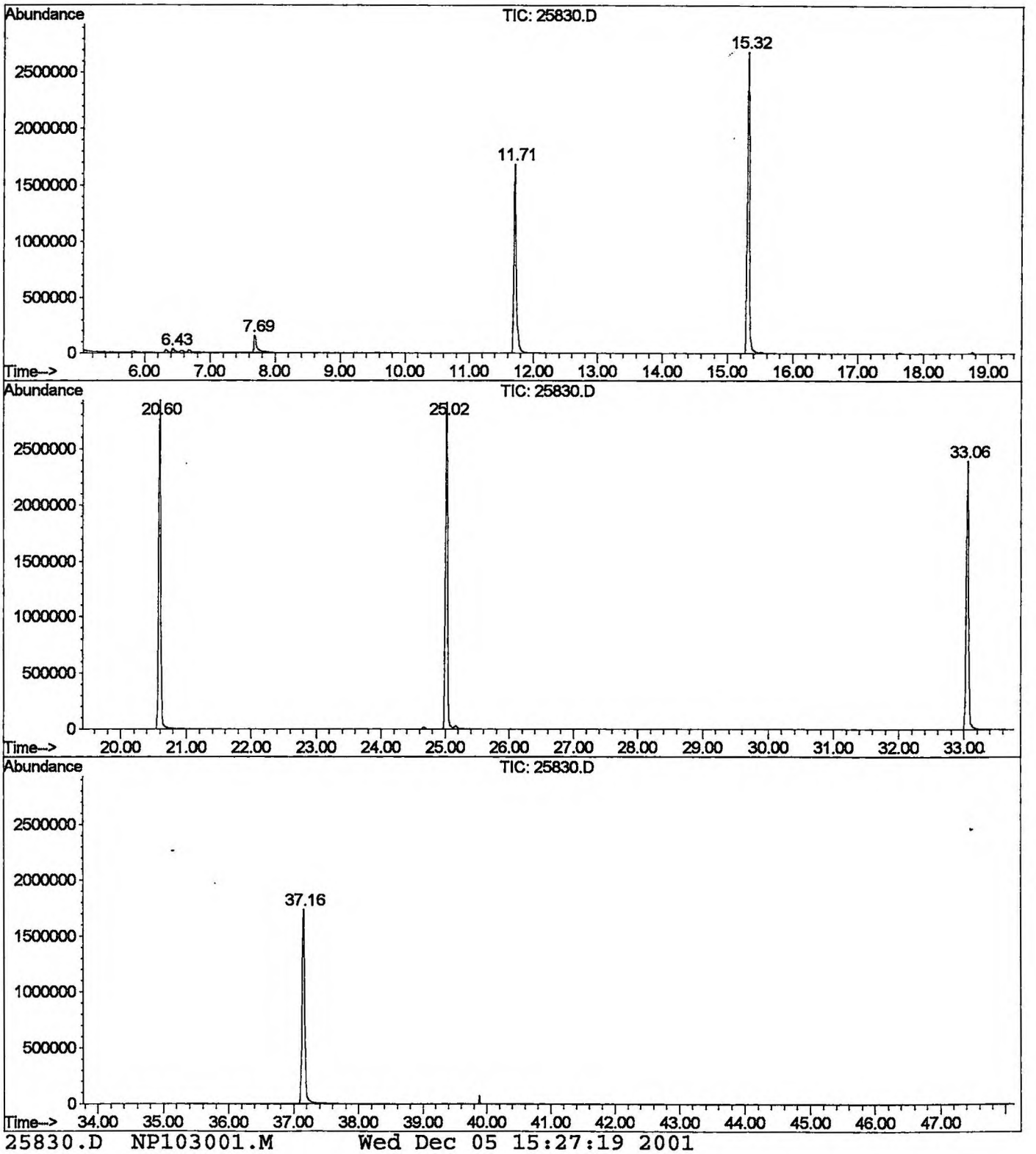
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.434 | 147 | 151 | 161 | rVV | 31171 | 92521 | 1.41% | 0.268% |
| 2 | 7.691 | 284 | 288 | 306 | rBV | 153234 | 439823 | 6.71% | 1.273% |
| 3 | 11.712 | 720 | 726 | 746 | rBV | 1687572 | 4311850 | 65.81% | 12.479% |
| 4 | 15.320 | 1113 | 1119 | 1137 | rBV | 2688712 | 5852795 | 89.33% | 16.939% |
| 5 | 20.599 | 1687 | 1694 | 1710 | rBV | 2929816 | 6520572 | 99.52% | 18.872% |
| 6 | 25.024 | 2169 | 2176 | 2187 | rBV2 | 2910768 | 6551704 | 100.00% | 18.962% |
| 7 | 33.057 | 3044 | 3051 | 3067 | rBV2 | 2395535 | 5785262 | 88.30% | 16.744% |
| 8 | 37.160 | 3489 | 3498 | 3520 | rBV2 | 1732082 | 4997459 | 76.28% | 14.464% |

Sum of corrected areas: 34551986

25830.D NP103001.M Wed Dec 05 15:27:16 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV1901\25830.D
Operator : 209 GALOS
Acquired : 19 Nov 2001 6:12 pm using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 4
Quant File :NP103001.RES (RTE Integrator)




25830.D NP103001.M Wed Dec 05 15:27:19 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV1901\25830.D
Acq On : 19 Nov 2001 6:12 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

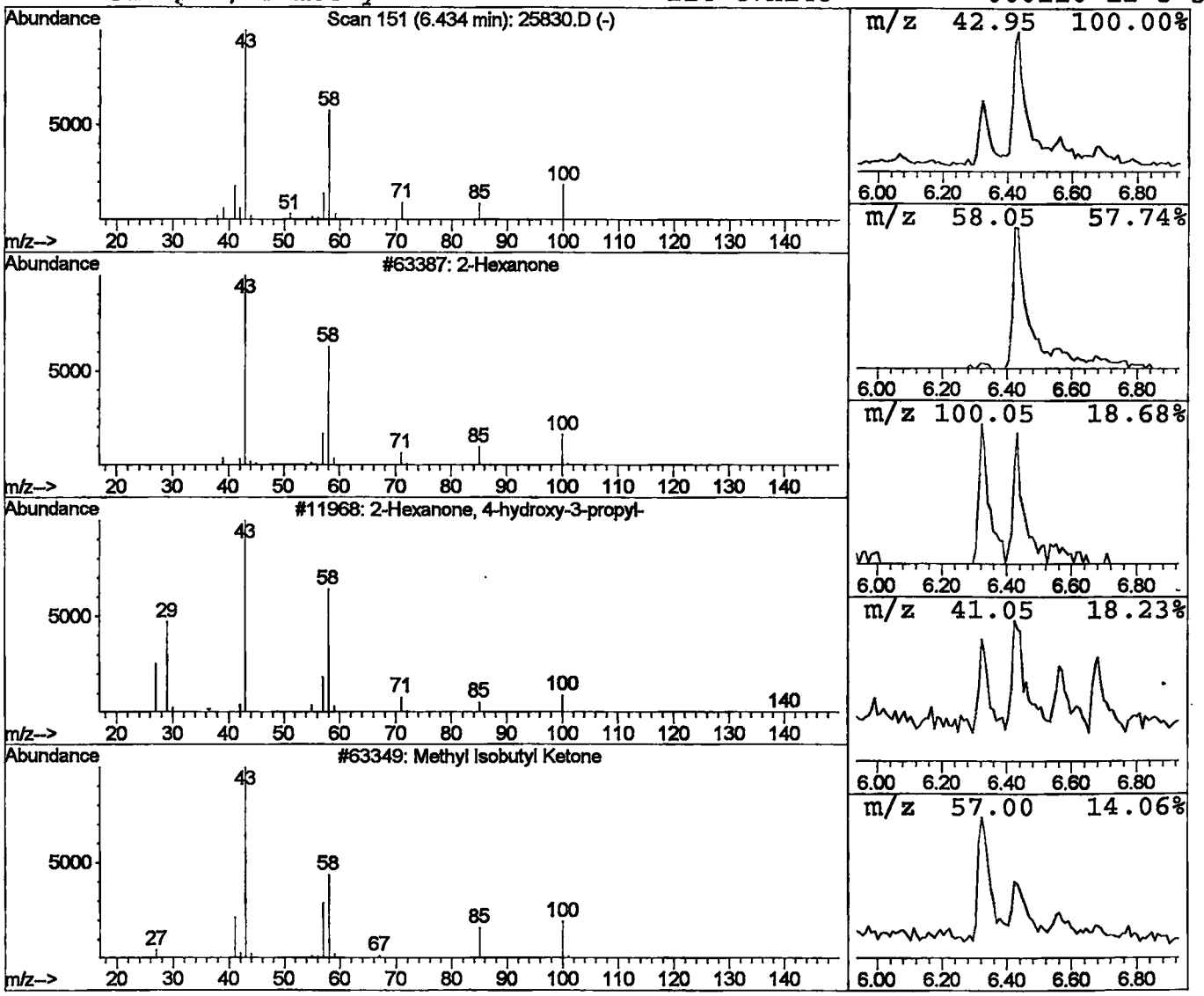
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 2-Hexanone Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.43 | 0.43 ug/l | 92521 | 1,4-Dichlorobenzene-d4 | 11.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexanone | 100 | C6H12O | 000591-78-6 | 91 |
| 2 | 2-Hexanone, 4-hydroxy-3-propyl- | 158 | C9H18O2 | 062338-17-4 | 64 |
| 3 | Methyl Isobutyl Ketone | 100 | C6H12O | 000108-10-1 | 59 |
| 4 | 2-Hexanone, 5-methyl- | 114 | C7H14O | 000110-12-3 | 39 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV1901\25830.D
Acq On : 19 Nov 2001 6:12 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

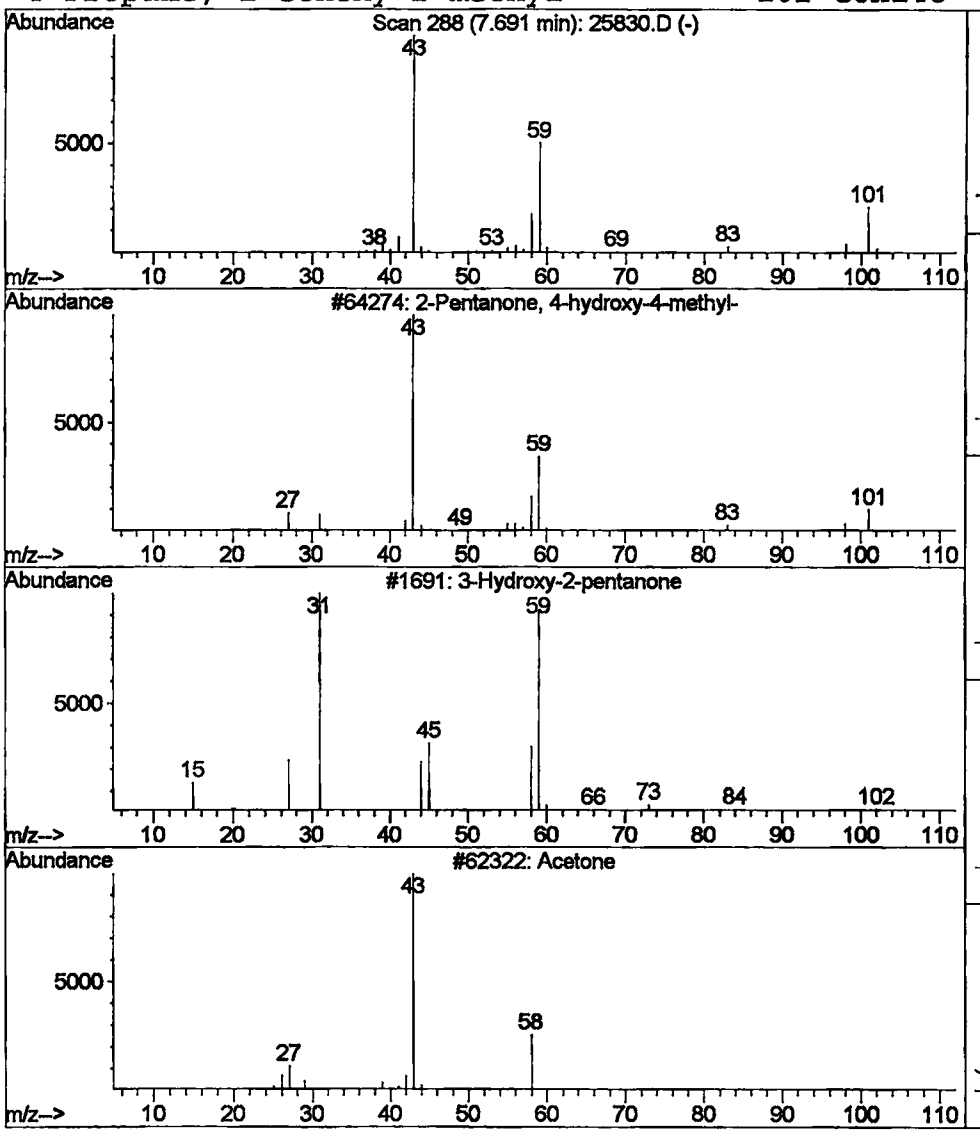
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

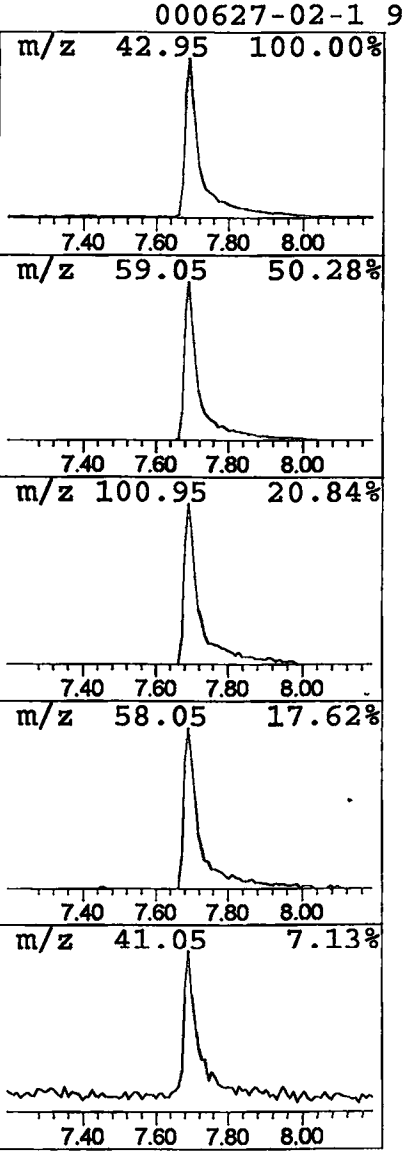
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.69 | 2.04 ug/l | 439823 | 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 | 64 |
| 2 | 3-Hydroxy-2-pentanone | 102 | C5H10O2 | 003142-66-3 | 9 |
| 3 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |
| 4 | Propane, 1-ethoxy-2-methyl- | 102 | C6H14O | 000627-02-1 | 9 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 19 Nov 2001 6:12 pm
Data File: C:\HPCHEM\1\DATA\NOV1901\25830.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 |
|---|---|---|---|---|---|---|---|---|
| 2-Hexanone | 6.43 | 0.4 | ug/l | 92521 | ISTD01 | 11.71 | 4311850 | 20.0 |
| 2-Pentanone, 4-hydro | 7.69 | 2.0 | ug/l | 439823 | ISTD01 | 11.71 | 4311850 | 20.0 |

25830.D NP103001.M Wed Dec 05 15:27:26 2001