

Jser: Galos, Marie  
 Westchester Dept. of Labs & Research  
 Date: 01/03/2002 Time: 10:14:43

Sample: AD27828  
 Analysis: \$GCMS GCMS Scan For Unknowns  
 Units: ug  
 Started: 1/3/02 10:12 Ended: 1/3/02 10:12 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 AD27828 - Analysis \$GCMS**

Vestchester Dept. of Labs & Research

User: Galos, Marie

Date: 01-03-2002 Time: 10:15:00

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\DEC1901\27828.D

Vial: 36

Acq On : 20 Dec 2001 1:25 am

Operator: 209 GALOS

Sample : gc/msunknown 11/19

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: GOOFY.P

Quant Time: Dec 20 2:14 2001

Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)

Title : 209 625/TCLP calibration table

Last Update : Fri Dec 14 12:19:30 2001

Response via : Initial Calibration

DataAcq Meth : GCMS1126

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 11.66 | 152  | 1199627  | 20.00 | ug/l  | -0.04    |
| 10) Naphthalene-d8        | 15.27 | 136  | 4607846  | 20.00 | ug/l  | -0.04    |
| 17) Acenaphthene-d10      | 20.55 | 164  | 2276994  | 20.00 | ug/l  | -0.03    |
| 29) Phenanthrene-d10      | 24.97 | 188  | 3368608  | 20.00 | ug/l  | -0.02    |
| 38) Chrysene-d12          | 33.02 | 240  | 2188688  | 20.00 | ug/l  | -0.02    |
| 44) Perylene-d12          | 37.11 | 264  | 1509740  | 20.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|               |       |     |          |            |
|---------------|-------|-----|----------|------------|
| 37) 2,4-DDD   | 0.00  | 235 | 0        | 0.00 ug/mL |
| Spiked Amount | 5.000 |     | Recovery | = 0.00%    |

## Target Compounds

| Target Compounds               | R.T.  | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 2) N-nitroso-dimethyl amine    | 0.00  | 74   | 0        | 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                | 15.33 | 128  | 533      | 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         | 21.17 | 165  | 191      | N.D. |       |        |
| 25) Diethylphthalate           | 0.00  | 149  | 0        | N.D. |       |        |
| 26) 4-Chlorophenyl-phenylether | 0.00  | 204  | 0        | N.D. |       |        |
| 27) Fluorene                   | 0.00  | 166  | 0        | N.D. |       |        |
| 28) Azobenzen/ 1,2-Diphenylhyd | 0.00  | 77   | 0        | N.D. |       |        |

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

27828.D GCMS1126.M Mon Dec 31 15:04:07 2001

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## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1901\27828.D

Vial: 36

Acq On : 20 Dec 2001 1:25 am

Operator: 209 GALOS

Sample : gc/msunknown 11/19

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: GOOFY.P

Quant Time: Dec 20 2:14 2001

Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)

Title : 209 625/TCLP calibration table

Last Update : Fri Dec 14 12:19:30 2001

Response via : Initial Calibration

DataAcq Meth : GCMS1126

| Compound                       | R.T.  | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|------|------|--------|
| 30) N-Nitrosodiphenylamine     | 0.00  | 168  | 0        | N.D. |      |        |
| 31) 4-Bromophenyl-phenylether  | 0.00  | 248  | 0        | N.D. |      |        |
| 32) Hexachlorobenzene          | 0.00  | 284  | 0        | N.D. |      |        |
| 33) Phenanthrene               | 24.97 | 178  | 1034 ✓   | N.D. |      |        |
| 34) Anthracene                 | 24.97 | 178  | 1034 ✓   | N.D. |      |        |
| 35) Di-n-butylphthalate        | 27.03 | 149  | 2193 ✓   | N.D. |      |        |
| 36) 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         | 33.09 | 228  | 4684 ✓   | N.D. |      |        |
| 42) Bis(2-ethylhexyl)phthalate | 33.29 | 149  | 2242 ✓   | N.D. |      |        |
| 43) Chrysene                   | 33.09 | 228  | 4684 ✓   | N.D. |      |        |
| 45) Di-n-Octylphthalate        | 35.04 | 149  | 595      | N.D. |      |        |
| 46) Benzo(b)fluoranthene       | 36.14 | 252  | 3636     | N.D. |      |        |
| 47) Benzo(k)fluoranthene       | 36.14 | 252  | 3552     | N.D. |      |        |
| 48) Benzo(a)pyrene             | 36.95 | 252  | 566 ✓    | 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. |      |        |

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

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## Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC1901\27828.D

Acq On : 20 Dec 2001 1:25 am

Sample : gc/msunknown 11/19

Misc :

MS Integration Params: GOOFY.P

Quant Time: Dec 20 2:14 2001

Vial: 36

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

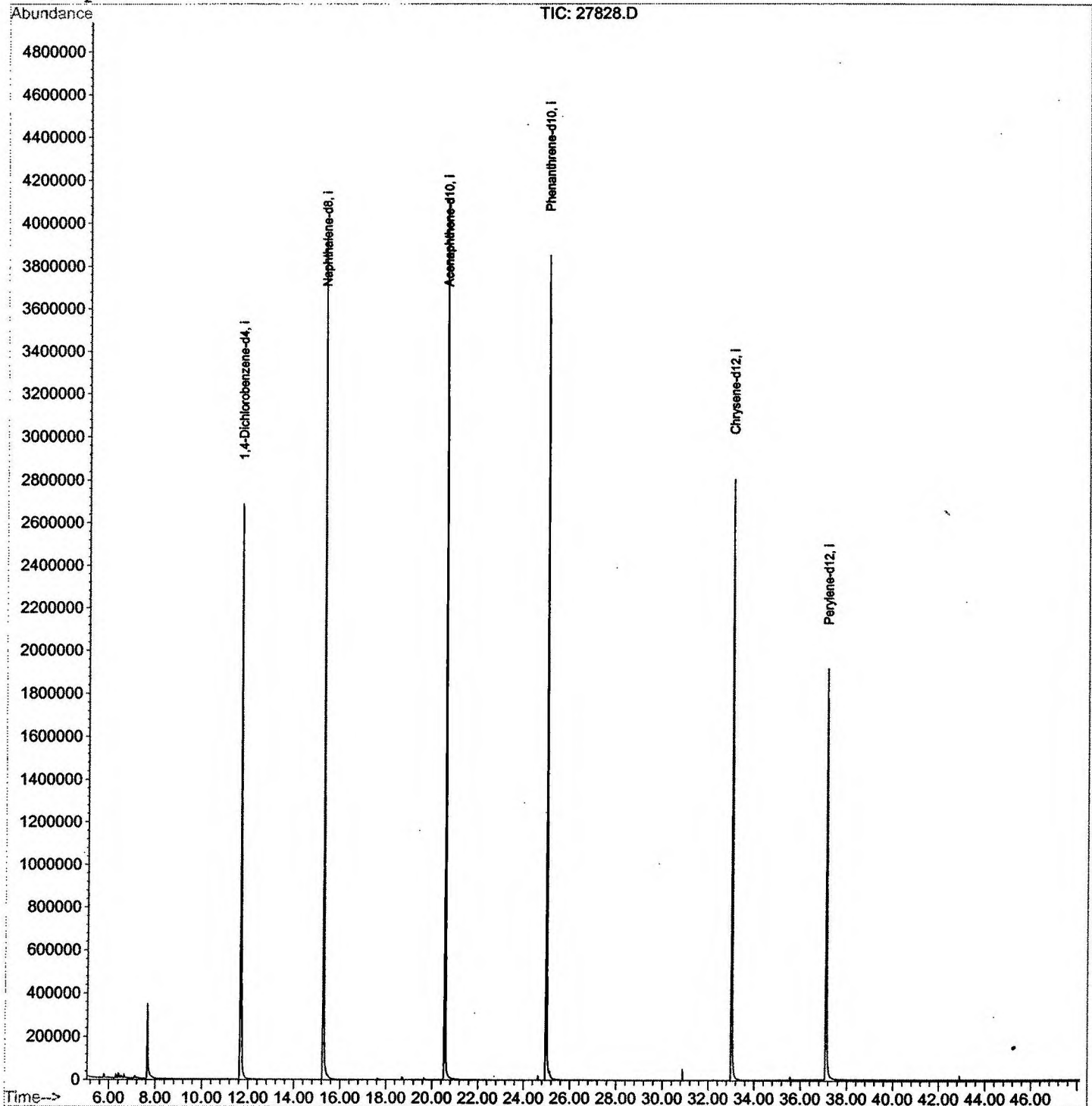
Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)

Title : 209 625/TCLP calibration table

Last Update : Fri Dec 28 15:11:00 2001

Response via : Initial Calibration



## LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC1901\27828.D

Vial: 36

Acq On : 20 Dec 2001 1:25 am

Operator: 209 GALOS

Sample : gc/msunknown 11/19

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS1126.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 &lt; 100 prefer &lt; Baseline drop else tangent &gt;

Peak separation: 5

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|--------------|----------------|---------------|
| 1         | 7.652       | 280           | 284         | 316          | rBV      | 344186         | 970703       | 10.16%         | 2.030%        |
| 2         | 11.663      | 716           | 721         | 748          | rBV      | 2686271        | 6899033      | 72.24%         | 14.428%       |
| 3         | 15.271      | 1108          | 1114        | 1133         | rBV      | 3935143        | 8901444      | 93.21%         | 18.616%       |
| 4         | 20.550      | 1683          | 1689        | 1712         | rBV      | 4113795        | 9550208      | 100.00%        | 19.973%       |
| 5         | 24.975      | 2165          | 2171        | 2184         | rBV2     | 3848651        | 8906765      | 93.26%         | 18.627%       |
| 6         | 25.122      | 2184          | 2187        | 2199         | rVB2     | 34347          | 124497       | 1.30%          | 0.260%        |
| 7         | 33.017      | 3040          | 3047        | 3074         | rBV2     | 2804889        | 6921690      | 72.48%         | 14.476%       |
| 8         | 37.111      | 3485          | 3493        | 3521         | rBV      | 1911497        | 5541989      | 58.03%         | 11.590%       |

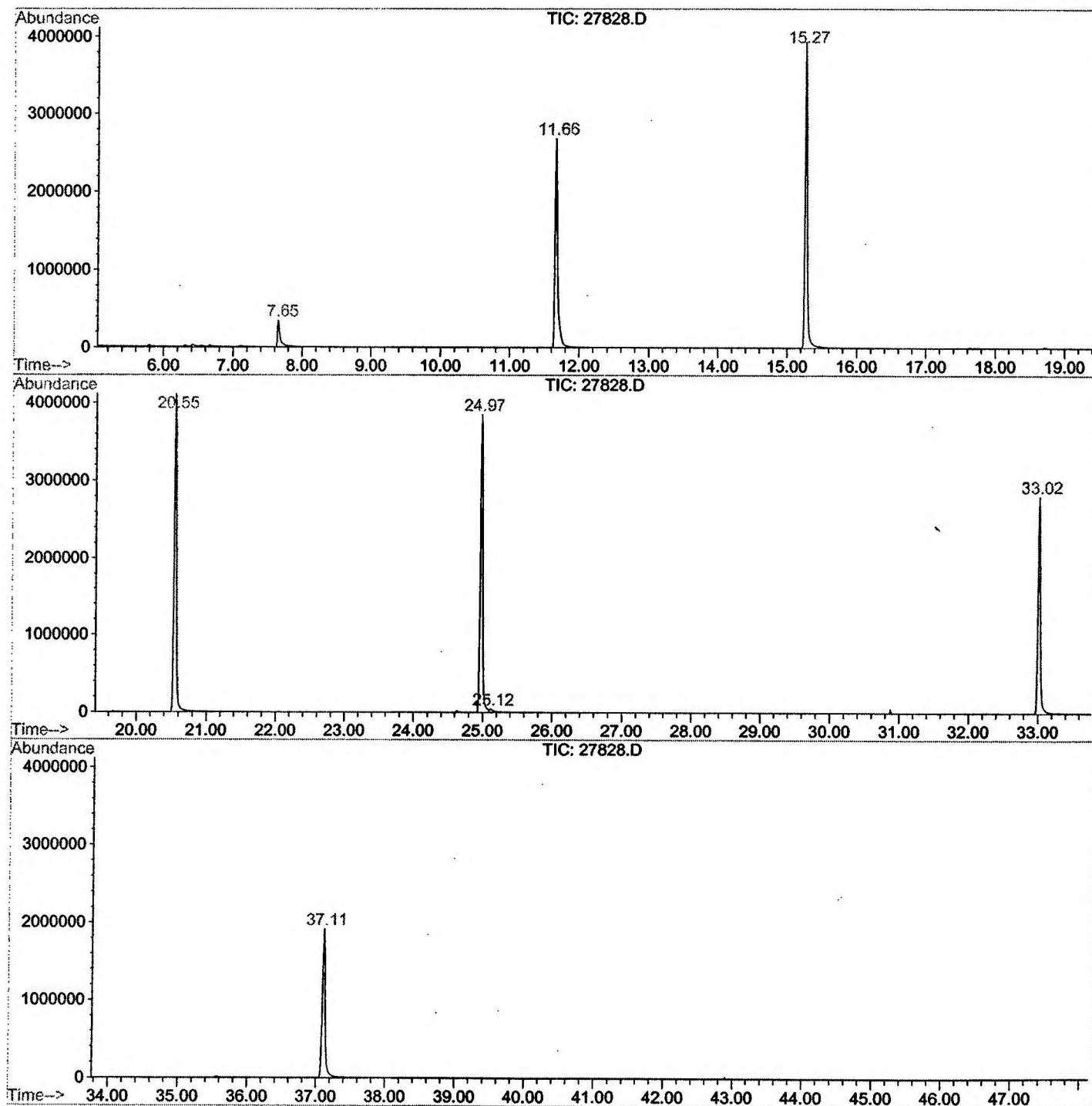
Sum of corrected areas: 47816329

27828.D GCMS1126.M

Wed Jan 02 12:08:40 2002

## LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1901\27828.D  
Operator : 209 GALOS  
Acquired : 20 Dec 2001 1:25 am using AcqMethod GCMS1126  
Instrument : GC/MS 209  
Sample Name: gc/msunknown 11/19  
Misc Info :  
Vial Number: 36  
Quant File :GCMS1126.RES (RTE Integrator)



27828.D GCMS1126.M

Wed Jan 02 12:08:46 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1901\27828.D  
 Acq On : 20 Dec 2001 1:25 am  
 Sample : gc/msunknown 11/19  
 Misc :  
 MS Integration Params: LSCINT.P

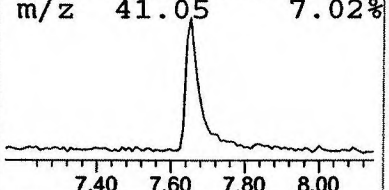
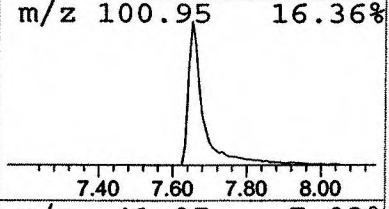
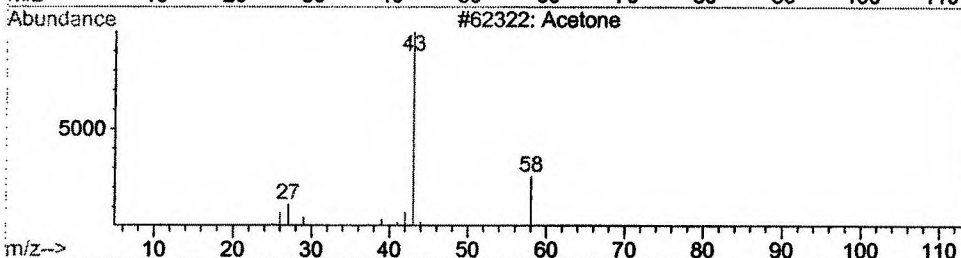
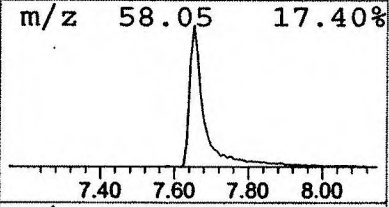
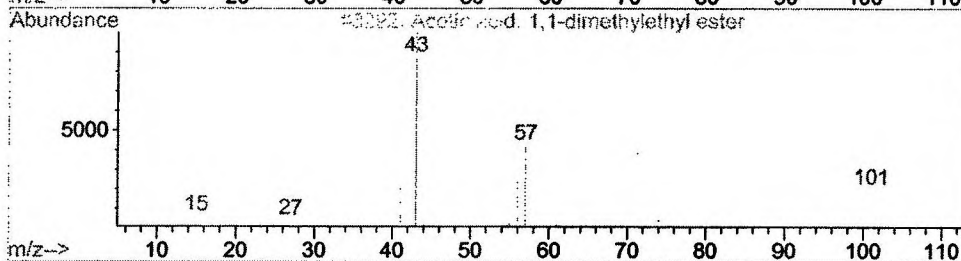
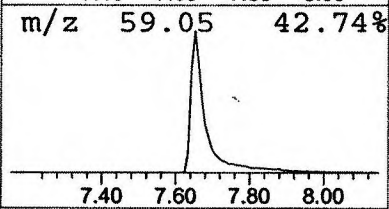
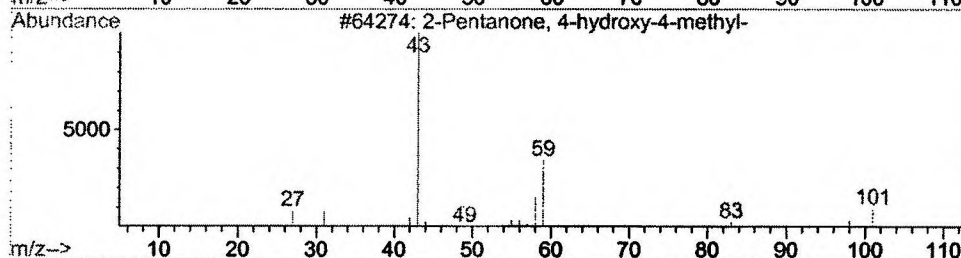
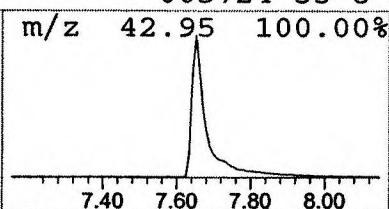
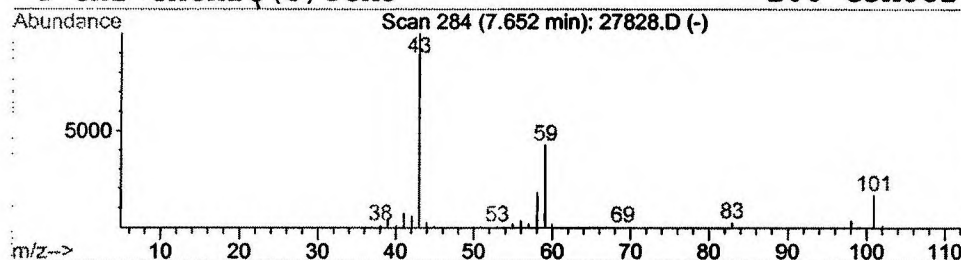
Vial: 36  
 Operator: 209 GALOS  
 Inst. : GC/MS 209  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.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.  |
|------|-----------|--------|------------------------|-------|
| 7.65 | 2.81 ug/l | 970703 | 1,4-Dichlorobenzene-d4 | 11.66 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 83   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl este | 116 | C6H12O2 | 000540-88-5 | 33   |
| 3    |    |   | Acetone                             | 58  | C3H6O   | 000067-64-1 | 12   |
| 4    |    |   | CH2=CHCH2C(O)OCH3                   | 100 | C5H8O2  | 003724-55-8 | 10   |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 20 Dec 2001 1:25 am  
 Data File: C:\HPCHEM\1\DATA\DEC1901\27828.D  
 Name: gc/msunknown 11/19  
 Misc:  
 Method: C:\HPCHEM\1\METHODS\GCMS1126.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 | 7.65 | 2.8     | ug/l  | 970703 | ISTD01 | 11.66 | 6899030 | 20.0   |

27828.D GCMS1126.M Wed Jan 02 12:08:55 2002