

User: Galos, Marie  
 Westchester Dept. of Labs & Research  
 Date: 11/19/2001 Time: 10:05:09

Sample: AD24982  
 Analysis: \$GCMS GCMS Scan For Unknowns  
 Units: ug  
 Started: 11/19/01 10:04 Ended: 11/19/01 10:04 Analyst: MG  
 Page: 1

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

**Comments for Sample AD24982 - Analysis \$GCMS**

Westchester Dept. of Labs & Research

User: Galos, Marie

Date: 11-19-2001 Time: 10:05:13

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\NOV0601\24982.D  
 Acq On : 7 Nov 2001 6:18 am  
 Sample : gc/ms unknown  
 Misc :  
 MS Integration Params: RTEINT.P  
 Quant Time: Nov 7 7:07 2001

Vial: 19  
 Operator: 209 GALOS  
 Inst : GC/MS 209  
 Multiplr: 1.00

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  | 660062   | 20.00 | ug/l  | 0.00     |
| 19) Naphthalene-d8        | 15.31 | 136  | 2544472  | 20.00 | ug/l  | -0.02    |
| 31) Acenaphthene-d10      | 20.59 | 164  | 1280524  | 20.00 | ug/l  | -0.02    |
| 49) Phenanthrene-d10      | 25.02 | 188  | 1947817  | 20.00 | ug/l  | -0.02    |
| 59) Chrysene-d12          | 33.06 | 240  | 1399895  | 20.00 | ug/l  | 0.00     |
| 68) Perylene-d12          | 37.16 | 264  | 1010610  | 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      | 11.71 | 132 | 201      | 0.00 | ug/l  | 0.47  |
| Spiked Amount 75.000      |       |     | Recovery | =    | 0.00% |       |
| 7) 1,2-Dichlorobenzene-d4 | 12.23 | 152 | 7200     | 0.24 | ug/l  | -0.02 |
| Spiked Amount 50.000      |       |     | Recovery | =    | 0.48% |       |
| 20) Nitrobenzene-d5       | 0.00  | 82  | 0        | 0.00 | ug/l  |       |
| Spiked Amount 50.000      |       |     | Recovery | =    | 0.00% |       |
| 32) 2-Fluorobiphenyl      | 18.75 | 172 | 2701     | 0.03 | ug/l  | 0.13  |
| Spiked Amount 50.000      |       |     | Recovery | =    | 0.06% |       |
| 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    | 0.00 | 74  | 0 | 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. |        |
| 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

24982.D NP103001.M Fri Nov 16 15:32:42 2001

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## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0601\24982.D

Acq On : 7 Nov 2001 6:18 am

Sample : gc/ms unknown

Misc :

MS Integration Params: RTEINT.P

Quant Time: Nov 7 7:07 2001

Vial: 19

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

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 |
|---------------------------------|-------|------|----------|------|------|--------|
| 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  | 214      | 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          | 20.94 | 165  | 113      | N.D. |      |        |
| 45) Diethylphthalate            | 0.00  | 149  | 0        | N.D. |      |        |
| 46) 4-Chlorophenyl-phenylether  | 0.00  | 204  | 0        | N.D. |      |        |
| 47) Fluorene                    | 0.00  | 166  | 0        | N.D. |      |        |
| 48) Azobenzene/ 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  | 628      | N.D. |      |        |
| 56) Anthracene                  | 25.02 | 178  | 628      | N.D. |      |        |
| 57) Di-n-butylphthalate         | 27.03 | 149  | 1859     | 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  | 3204     | N.D. |      |        |
| 66) Bis(2-ethylhexyl)phthalate  | 33.33 | 149  | 621      | N.D. |      |        |
| 67) Chrysene                    | 33.06 | 228  | 3204     | 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

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0601\24982.D Vial: 19  
 Acq On : 7 Nov 2001 6:18 am Operator: 209 GALOS  
 Sample : gc/ms unknown Inst : GC/MS 209  
 Misc : Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Nov 7 7:07 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 |
|----------------------------|-------|------|----------|-----------|--------|
| 71) Benzo(k)fluoranthene   | 0.00  | 252  | 0        | N.D.      |        |
| 72) Benzo(a)pyrene         | 37.16 | 252  | 3817     | 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.      |        |

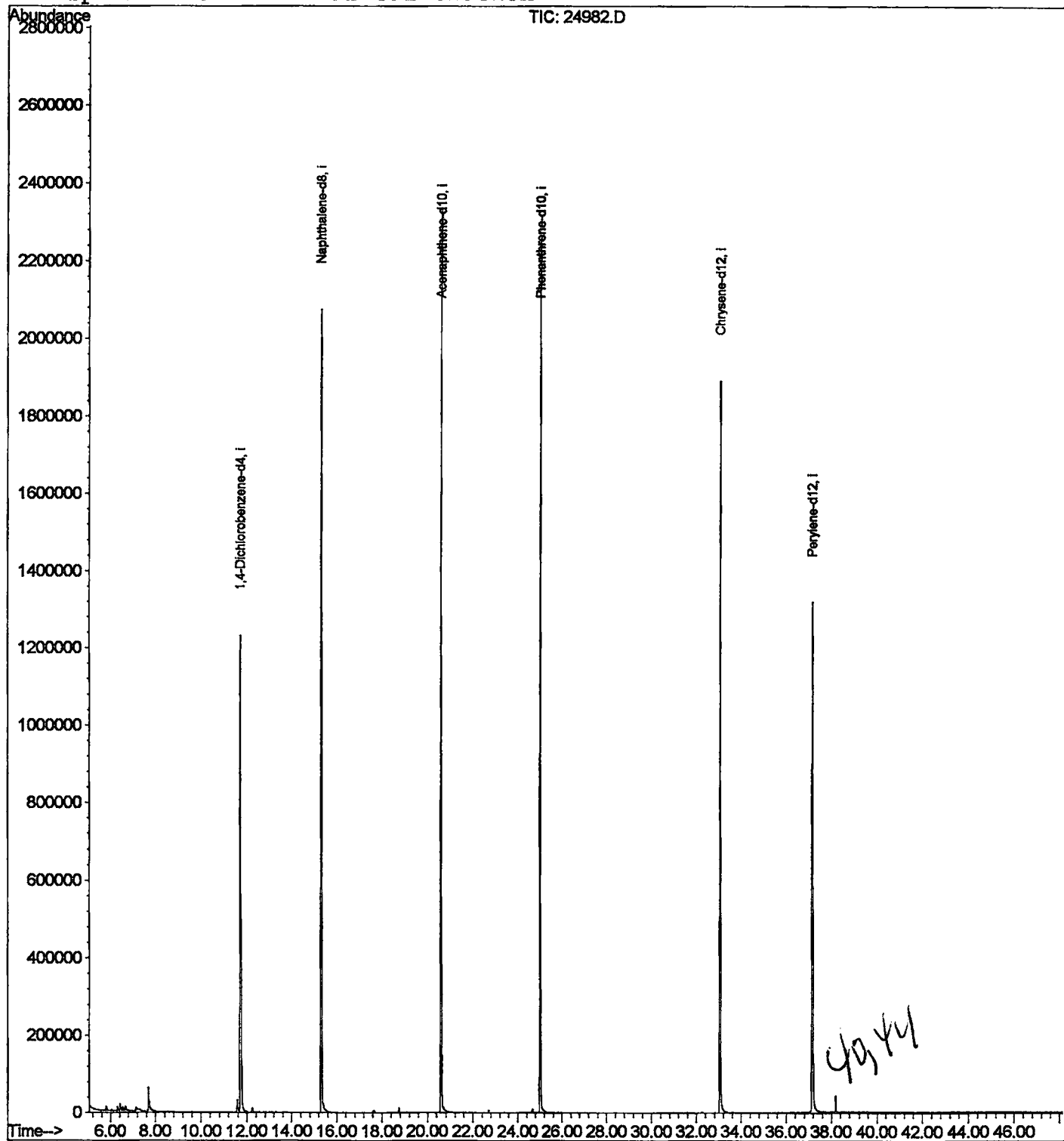
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV0601\24982.D  
Acq On : 7 Nov 2001 6:18 am  
Sample : gc/ms unknown  
Misc :  
MS Integration Params: RTEINT.P  
Quant Time: Nov 7 7:07 2001

Vial: 19  
Operator: 209 GALOS  
Inst : GC/MS 209  
Multiplr: 1.00

Quant Results File: NP103001.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



24982.D NP103001.M

Fri Nov 16 15:32:53 2001

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## LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV0601\24982.D  
 Acq On : 7 Nov 2001 6:18 am  
 Sample : gc/ms unknown  
 Misc :  
 MS Integration Params: LSCINT.P

Vial: 19  
 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  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Signal : TIC

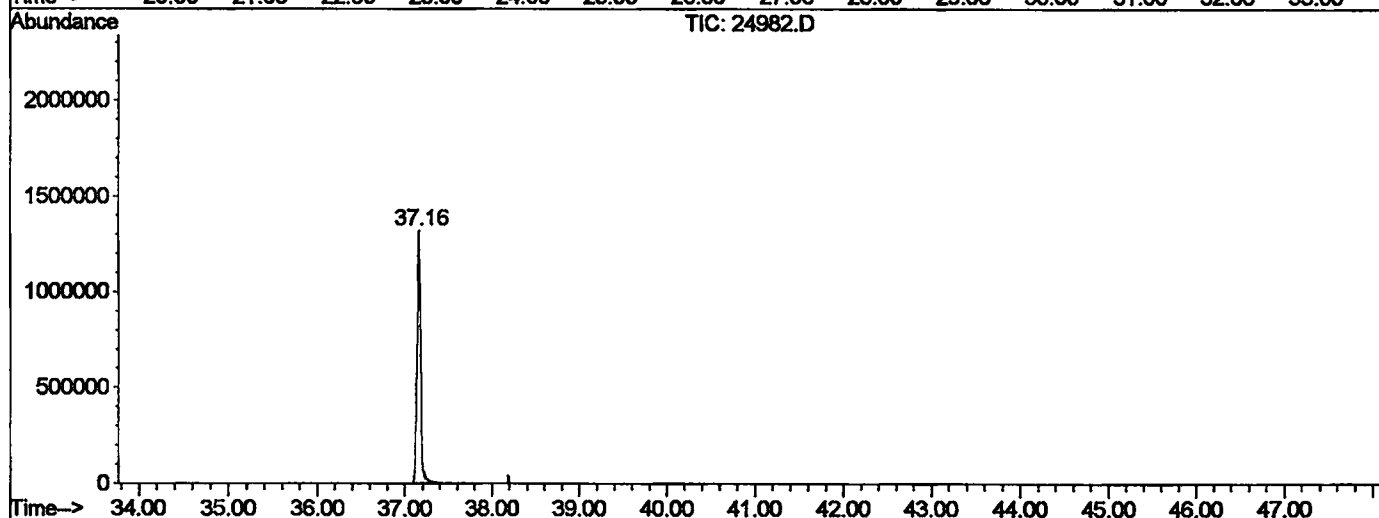
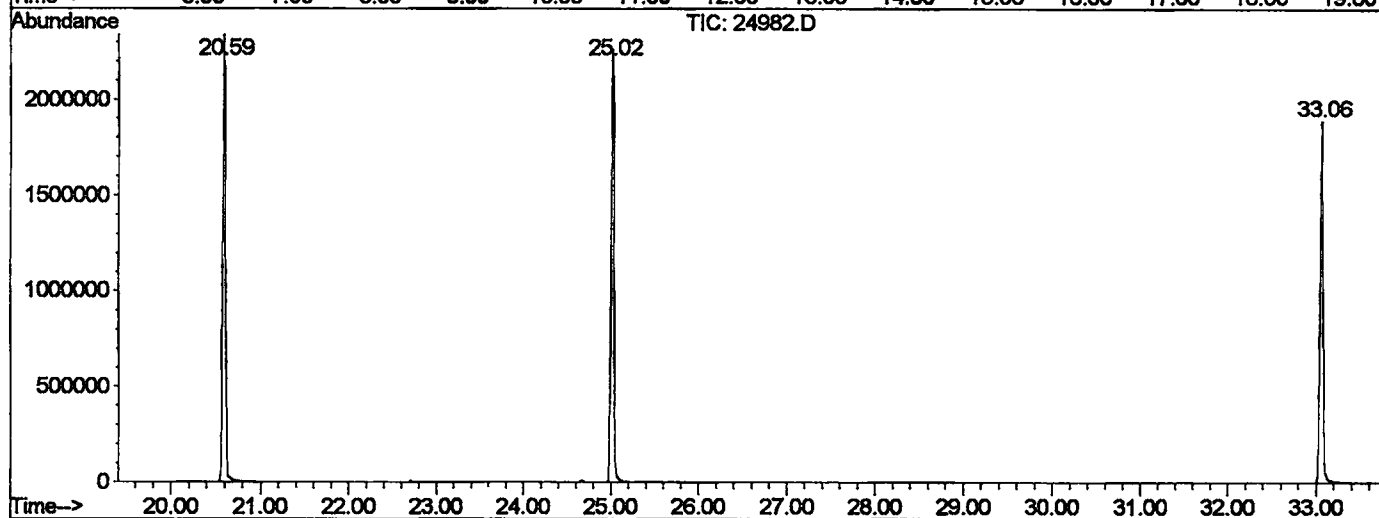
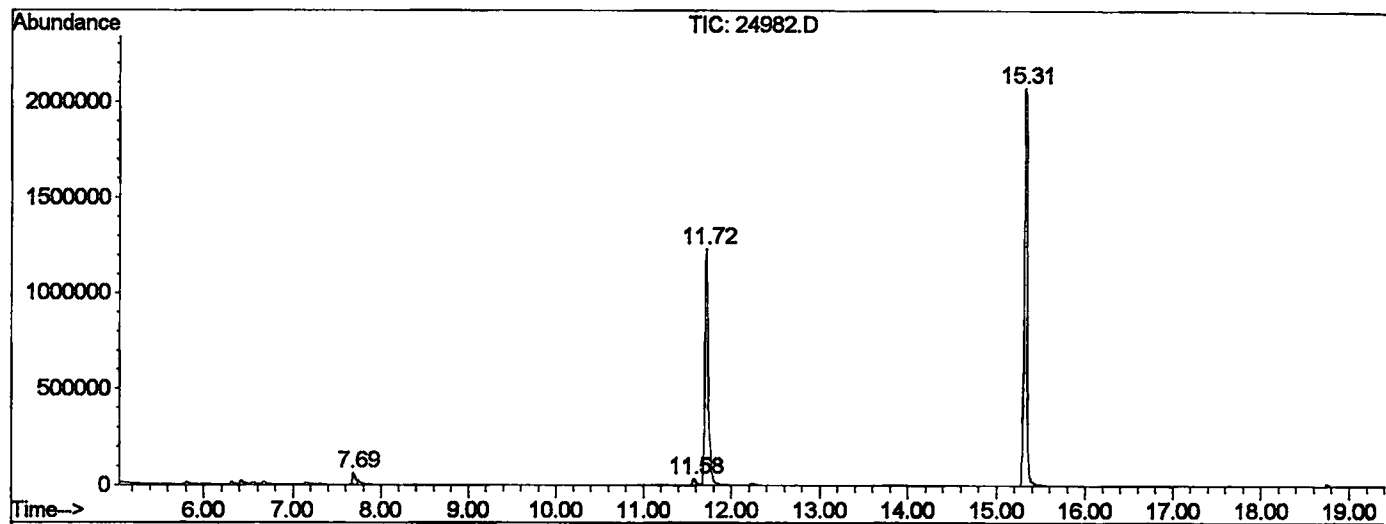
| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|--------------|----------------|---------------|
| 1         | 7.686       | 285           | 288         | 293          | rBV      | 62787          | 142244       | 2.79%          | 0.541%        |
| 2         | 11.579      | 707           | 712         | 721          | rBV2     | 32990          | 88608        | 1.74%          | 0.337%        |
| 3         | 11.716      | 721           | 727         | 752          | rVV      | 1230571        | 3370911      | 66.10%         | 12.826%       |
| 4         | 15.315      | 1114          | 1119        | 1138         | rBV      | 2073722        | 4626483      | 90.72%         | 17.604%       |
| 5         | 20.594      | 1688          | 1694        | 1722         | rBV      | 2336463        | 5099950      | 100.00%        | 19.405%       |
| 6         | 25.019      | 2169          | 2176        | 2189         | rBV2     | 2259010        | 4870960      | 95.51%         | 18.534%       |
| 7         | 33.061      | 3045          | 3052        | 3069         | rBV2     | 1889964        | 4393191      | 86.14%         | 16.716%       |
| 8         | 37.164      | 3490          | 3499        | 3527         | rBV      | 1316297        | 3688932      | 72.33%         | 14.036%       |

Sum of corrected areas: 26281279

24982.D NP103001.M Fri Nov 16 15:34:26 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV0601\24982.D  
 Operator : 209 GALOS  
 Acquired : 7 Nov 2001 6:18 am using AcqMethod NP103001  
 Instrument : GC/MS 209  
 Sample Name: gc/ms unknown  
 Misc Info :  
 Vial Number: 19  
 Quant File :NP103001.RES (RTE Integrator)



24982.D NP103001.M Fri Nov 16 15:34:28 2001

## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0601\24982.D  
Acq On : 7 Nov 2001 6:18 am  
Sample : gc/ms unknown  
Misc :  
MS Integration Params: LSCINT.P

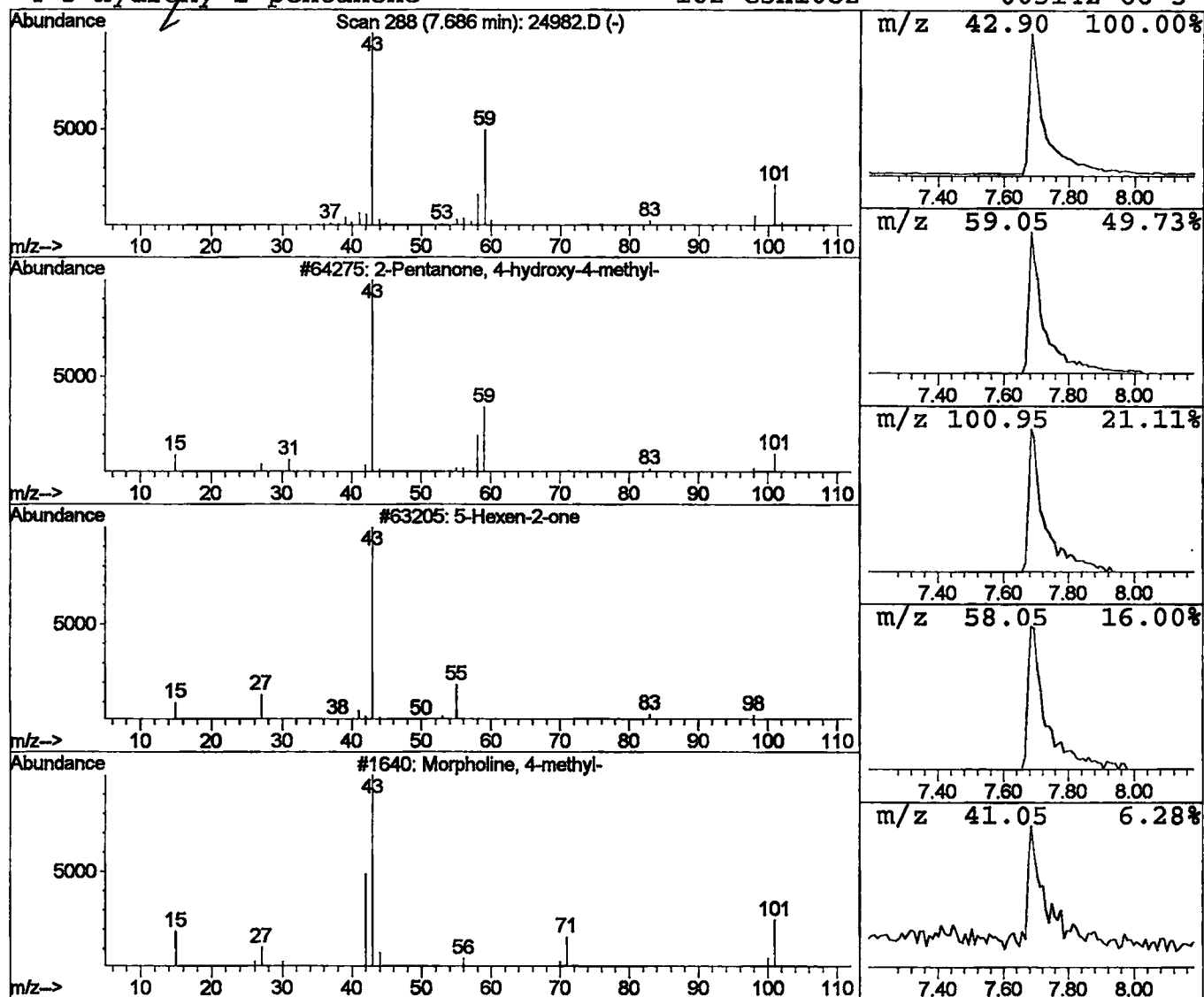
Vial: 19  
Operator: 209 GALOS  
Inst : GC/MS 209  
Multiplr: 1.00

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-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD       | R.T.  |
|------|-----------|--------|------------------------|-------|
| 7.69 | 0.84 ug/l | 142244 | 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 | 45   |
| 2    |      | 5-Hexen-2-one                    | 98  | C6H10O  | 000109-49-9 | 9    |
| 3    |      | Morpholine, 4-methyl-            | 101 | C5H11NO | 000109-02-4 | 9    |
| 4    |      | 3-Hydroxy-2-pentanone            | 102 | C5H10O2 | 003142-66-3 | 9    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0601\24982.D  
 Acq On : 7 Nov 2001 6:18 am  
 Sample : gc/ms unknown  
 Misc :  
 MS Integration Params: LSCINT.P

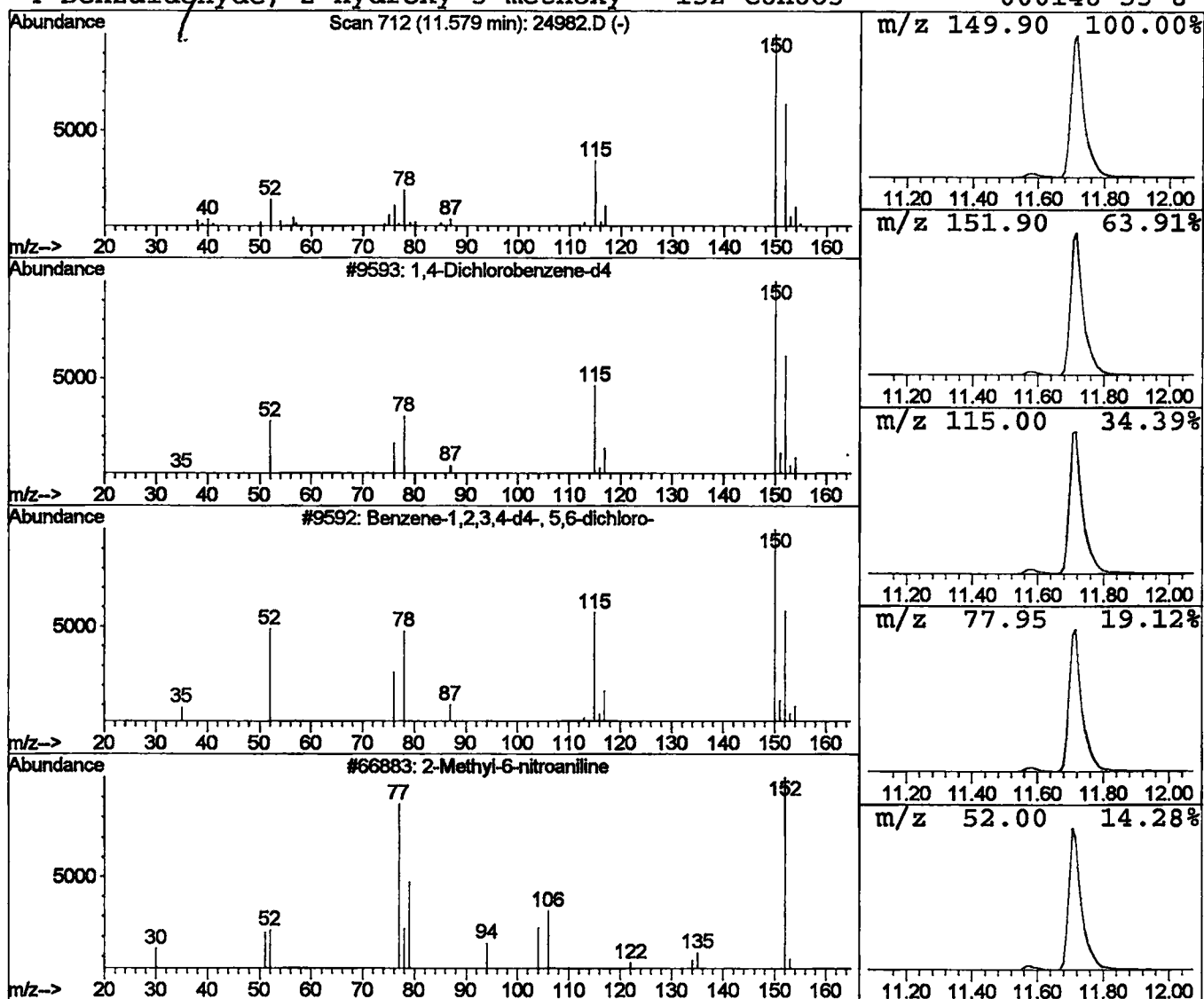
Vial: 19  
 Operator: 209 GALOS  
 Inst : GC/MS 209  
 Multiplr: 1.00

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

\*\*\*\*\*  
 Peak Number 2 1,4-Dichlorobenzene-d4 Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 11.58 | 0.53 ug/l | 88608 | 1,4-Dichlorobenzene-d4 | 11.72 |

| 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 | 25   |
| 3    |    |   | 2-Methyl-6-nitroaniline            | 152 | C7H8N2O2 | 000570-24-1 | 12   |
| 4    |    |   | Benzaldehyde, 2-hydroxy-3-methoxy- | 152 | C8H8O3   | 000148-53-8 | 10   |



## Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 7 Nov 2001 6:18 am  
Data File: C:\HPCHEM\1\DATA\NOV0601\24982.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 |
|---------------------------------|-------|---------|-------|--------|--------|-------|---------|--------|
| <del>2-Pentanone, 4-hydro</del> | 7.69  | 0.8     | ug/l  | 142244 | ISTD01 | 11.72 | 3370910 | 20.0   |
| <del>1,4-Dichlorobenzene-</del> | 11.58 | 0.5     | ug/l  | 88608  | ISTD01 | 11.72 | 3370910 | 20.0   |

24982.D NP103001.M Fri Nov 16 15:34:35 2001