

User: Galos, Marie  
Westchester Dept. of Labs & Research  
Date: 11/27/2001 Time: 10:43:23

Sample: AD25045  
Analysis: \$GCMS GCMS Scan For Unknowns  
Units: ug  
Started: 11/27/01 10:43 Ended: 11/27/01 10:43 Analyst: MG  
Page: 1

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

**Comments for Sample: AD25045 Agency Code: NEWQ BOTTLE\_ID: C0250,7473,6587,7868,9987,9984,8802,9972**

Westchester Dept. of Labs & Research  
User: Galos, Marie  
Date: 11-27-2001 Time: 10:43:29

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\NOV0901\25045.D

Vial: 19

Acq On : 10 Nov 2001 5:57 am

Operator: 209 GALOS

Sample : gc/ms unknown

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Nov 10 6:45 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 | 11.71 | 152  | 636857   | 20.00 | ug/l  | -0.02    |
| 19) Naphthalene-d8        | 15.31 | 136  | 2433546  | 20.00 | ug/l  | -0.02    |
| 31) Acenaphthene-d10      | 20.59 | 164  | 1216022  | 20.00 | ug/l  | -0.02    |
| 49) Phenanthrene-d10      | 25.02 | 188  | 1801852  | 20.00 | ug/l  | -0.02    |
| 59) Chrysene-d12          | 33.06 | 240  | 1309913  | 20.00 | ug/l  | 0.00     |
| 68) Perylene-d12          | 37.15 | 264  | 971807   | 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 | 552      | 0.01 | ug/l  | 0.47  |
| Spiked Amount 75.000      |       |     | Recovery | =    | 0.01% |       |
| 7) 1,2-Dichlorobenzene-d4 | 12.20 | 152 | 705      | 0.02 | ug/l  | -0.05 |
| Spiked Amount 50.000      |       |     | Recovery | =    | 0.04% |       |
| 20) Nitrobenzene-d5       | 0.00  | 82  | 0        | 0.00 | ug/l  |       |
| Spiked Amount 50.000      |       |     | Recovery | =    | 0.00% |       |
| 32) 2-Fluorobiphenyl      | 18.75 | 172 | 1383     | 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    | 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

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## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0901\25045.D  
 Acq On : 10 Nov 2001 5:57 am  
 Sample : gc/ms unknown  
 Misc :  
 MS Integration Params: RTEINT.P  
 Quant Time: Nov 10 6:45 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                 | 15.39 | 128  | 203      |      | 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          | 20.96 | 165  | 176      |      | 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  | 404      |      | N.D. |        |
| 56) Anthracene                  | 25.02 | 178  | 404      |      | N.D. |        |
| 57) Di-n-butylphthalate         | 27.03 | 149  | 2803     |      | 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  | 3149     |      | N.D. |        |
| 66) Bis(2-ethylhexyl)phthalate  | 33.33 | 149  | 1700     |      | N.D. |        |
| 67) Chrysene                    | 33.06 | 228  | 3149     |      | 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\NOV0901\25045.D

Vial: 19

Acq On : 10 Nov 2001 5:57 am

Operator: 209 GALOS

Sample : gc/ms unknown

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Nov 10 6:45 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         | 37.15 | 252  | 3442     | 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. |      |        |

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(#) = qualifier out of range (m) = manual integration  
25045.D NP103001.M Tue Nov 27 10:42:59 2001

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## Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV0901\25045.D

Acq On : 10 Nov 2001 5:57 am

Sample : gc/ms unknown

Misc :

MS Integration Params: RTEINT.P

Quant Time: Nov 10 6:45 2001

Vial: 19

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

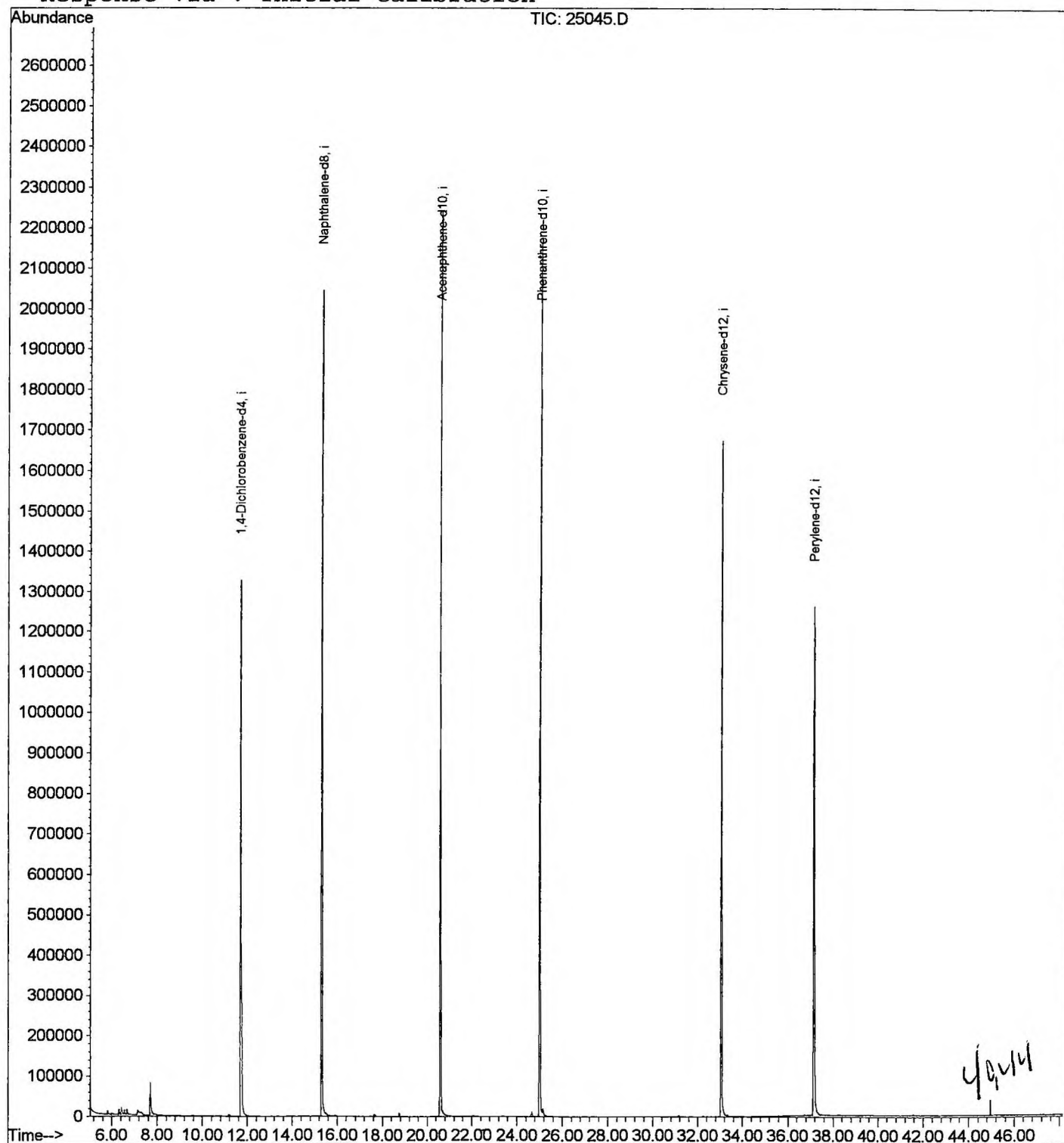
Quant Results File: NP103001.RES

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



## LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV0901\25045.D  
 Acq On : 10 Nov 2001 5:57 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

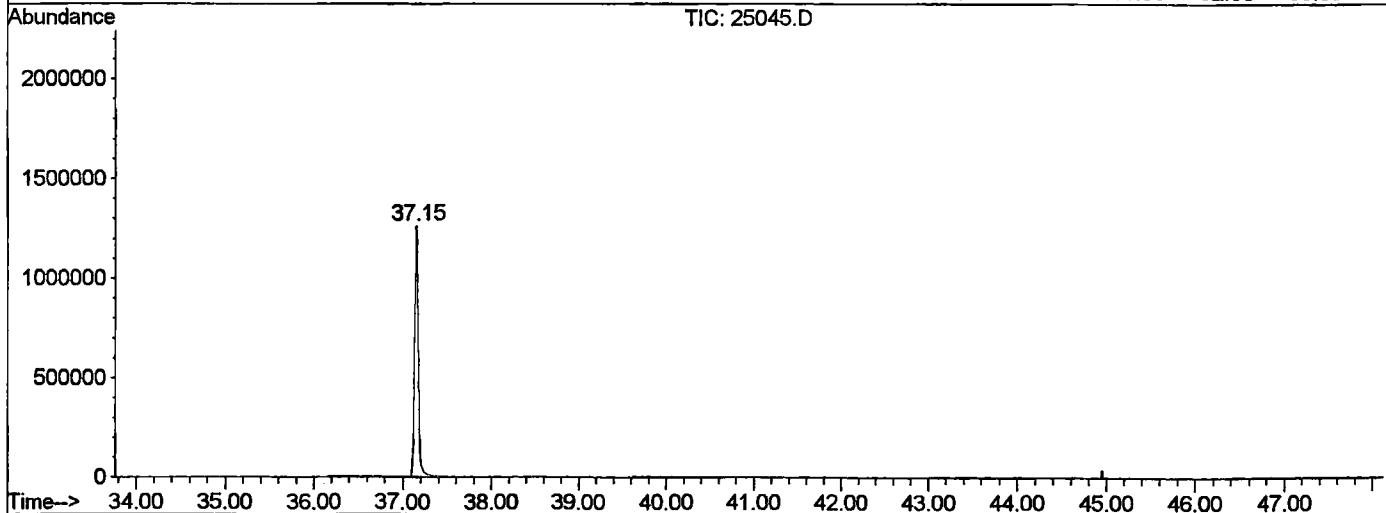
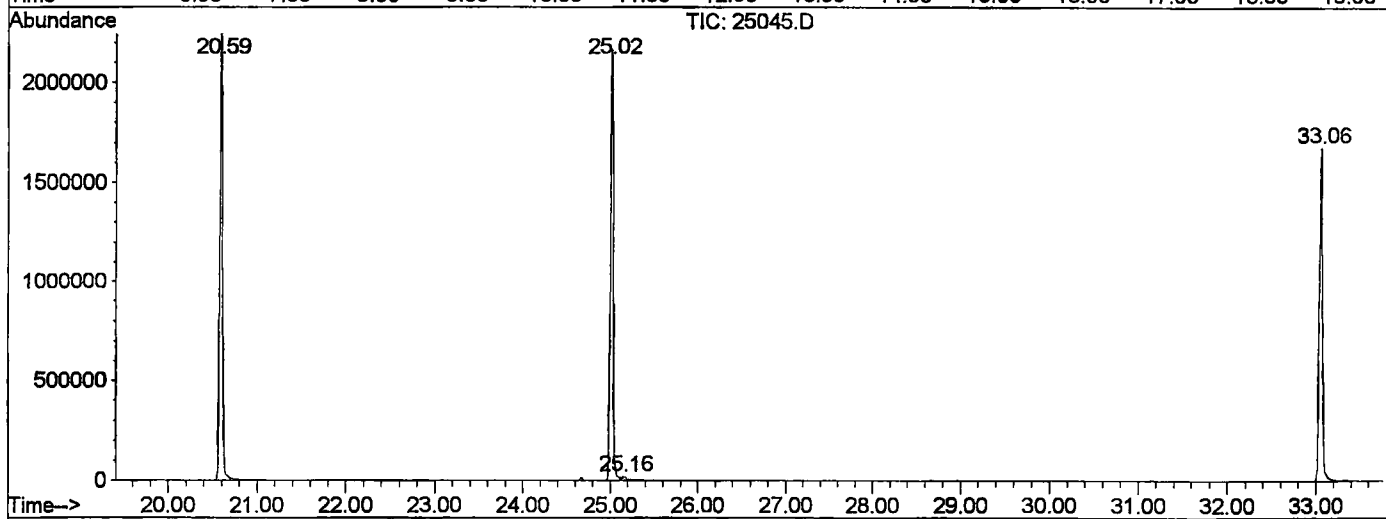
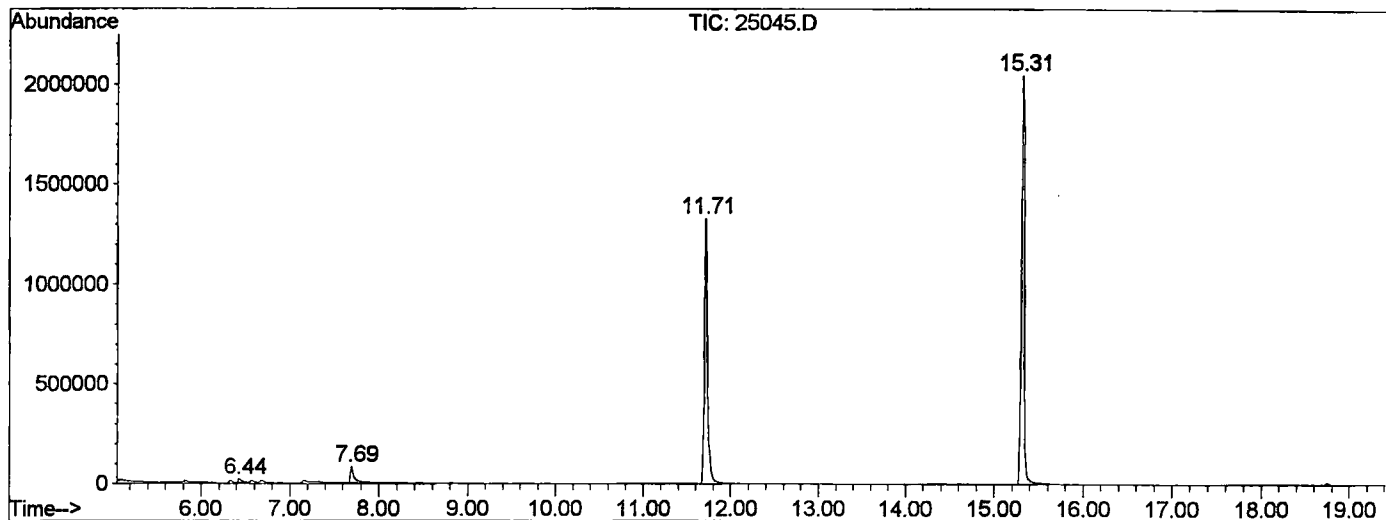
| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|--------------|----------------|---------------|
| 1         | 6.437       | 148           | 152         | 163          | rVV2     | 18188          | 49123        | 1.02%          | 0.194%        |
| 2         | 7.695       | 285           | 289         | 301          | rBV      | 81574          | 219581       | 4.57%          | 0.866%        |
| 3         | 11.707      | 721           | 726         | 751          | rBV      | 1327340        | 3323955      | 69.18%         | 13.108%       |
| 4         | 15.314      | 1113          | 1119        | 1134         | rBV      | 2045680        | 4429625      | 92.20%         | 17.468%       |
| 5         | 20.593      | 1688          | 1694        | 1705         | rBV      | 2243180        | 4804541      | 100.00%        | 18.946%       |
| 6         | 25.018      | 2169          | 2176        | 2188         | rBV2     | 2164684        | 4716828      | 98.17%         | 18.600%       |
| 7         | 25.156      | 2188          | 2191        | 2205         | rVB2     | 17516          | 60783        | 1.27%          | 0.240%        |
| 8         | 33.060      | 3045          | 3052        | 3069         | rBV2     | 1672149        | 4101737      | 85.37%         | 16.175%       |
| 9         | 37.154      | 3490          | 3498        | 3520         | rBV2     | 1259138        | 3652929      | 76.03%         | 14.405%       |

Sum of corrected areas: 25359102

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# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV0901\25045.D  
 Operator : 209 GALOS  
 Acquired : 10 Nov 2001 5:57 am using AcqMethod NP103001  
 Instrument : GC/MS 209  
 Sample Name: gc/ms unknown  
 Misc Info :  
 Vial Number: 19  
 Quant File :NP103001.RES (RTE Integrator)



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## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0901\25045.D  
Acq On : 10 Nov 2001 5:57 am  
Sample : gc/ms unknown  
Misc :  
MS Integration Params: LSCINT.P

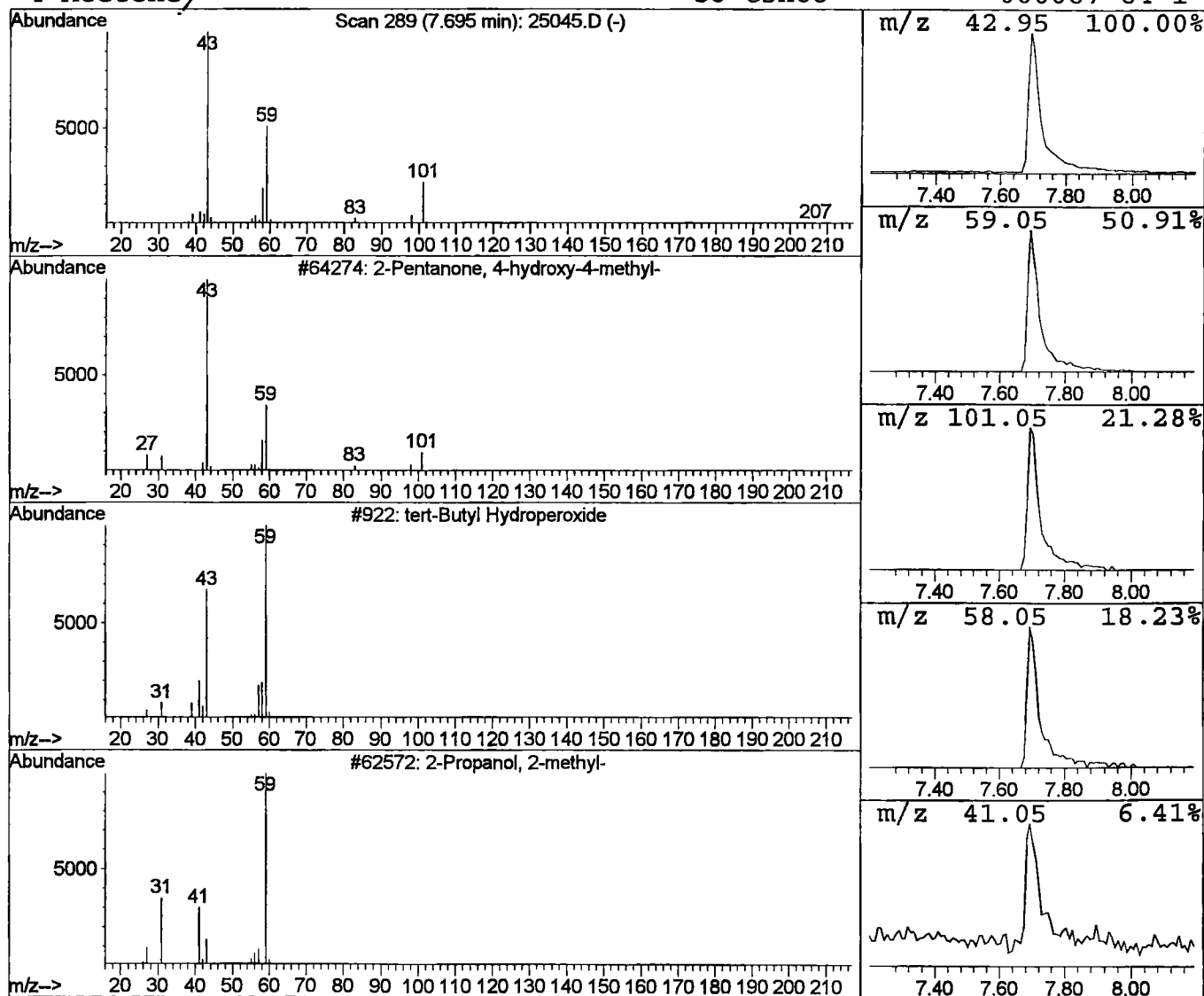
Vial: 19  
Operator: 209 GALOS  
Inst : GC/MS 209  
Multiplr: 1.00

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-methyl Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD       | R.T.  |
|------|-----------|--------|------------------------|-------|
| 7.69 | 1.32 ug/l | 219581 | 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 | 78   |
| 2    |    |   | tert-Butyl Hydroperoxide         | 90  | C4H10O2 | 000075-91-2 | 25   |
| 3    |    |   | 2-Propanol, 2-methyl-            | 74  | C4H10O  | 000075-65-0 | 17   |
| 4    |    |   | Acetone                          | 58  | C3H6O   | 000067-64-1 | 12   |



## Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 10 Nov 2001 5:57 am  
Data File: C:\HPCHEM\1\DATA\NOV0901\25045.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 | 1.3     | ug/l  | 219581 | ISTD01 | 11.71 | 3323960 | 20.0   |

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