

User: Vinci, David L  
 Westchester Dept. of Labs & Research  
 Date: 11/13/2001 Time: 15:46:53

Sample: AD22558  
 Analysis: \$GCMS GCMS Scan For Unknowns  
 Units: ug  
 Started: 10/1/01 14:44 Ended: 10/1/01 14:44 Analyst: MG  
 Result source: manual entry  
 Page: 1

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

**Comments for Sample AD22558 - Analysis \$GCMS**

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 11-13-2001 Time: 15:48:22

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, does not reveal the presence of any non-target compounds generally different than those present in the Laboratory Blank. A reextraction and reanalysis of this sample shows it to be clean of the hydrocarbons observed in other samples and Laboratory Blanks.

## Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT1701\22558.D Vial: 3  
 Acq On : 17 Oct 2001 3:08 pm Operator: 209 GALOS  
 Sample : gc/ms unknown re extracted Inst : GC/MS 209  
 Misc : Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Oct 23 14:54 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
 Title : 209 625/TCLP calibration table 7/16/01  
 Last Update : Fri Oct 12 09:04:47 2001  
 Response via : Initial Calibration  
 DataAcq Meth : NP091101

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 11.76 | 152  | 363184   | 20.00 | ug/l  | -0.14     |
| 19) Naphthalene-d8        | 15.37 | 136  | 1423239  | 20.00 | ug/l  | -0.15     |
| 31) Acenaphthene-d10      | 20.66 | 164  | 675067   | 20.00 | ug/l  | -0.15     |
| 49) Phenanthrene-d10      | 25.08 | 188  | 968236   | 20.00 | ug/l  | -0.15     |
| 59) Chrysene-d12          | 33.13 | 240  | 698594   | 20.00 | ug/l  | -0.15     |
| 68) Perylene-d12          | 37.24 | 264  | 501905   | 20.00 | ug/l  | -0.18     |

## 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      | 0.00   | 132 | 0        | 0.00 | ug/l  |       |
| Spiked Amount             | 75.000 |     | Recovery | =    | 0.00% |       |
| 7) 1,2-Dichlorobenzene-d4 | 12.29  | 152 | 3667     | 0.21 | ug/l  | -0.14 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.42% |       |
| 20) Nitrobenzene-d5       | 0.00   | 82  | 0        | 0.00 | ug/l  |       |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |       |
| 32) 2-Fluorobiphenyl      | 18.80  | 172 | 1302     | 0.03 | ug/l  | 0.00  |
| 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

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## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT1701\22558.D

Acq On : 17 Oct 2001 3:08 pm

Sample : gc/ms unknown re extracted

Misc :

MS Integration Params: RTEINT.P

Quant Time: Oct 23 14:54 2001

Vial: 3

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)

Title : 209 625/TCLP calibration table 7/16/01

Last Update : Fri Oct 12 09:04:47 2001

Response via : Initial Calibration

DataAcq Meth : NP091101

| 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                 | 0.00  | 128  | 0        | 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. | 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          | 0.00  | 165  | 0        | N.D. |      |        |
| 45) Diethylphthalate            | 22.17 | 149  | 939      | 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                | 25.09 | 178  | 203      | N.D. |      |        |
| 56) Anthracene                  | 25.09 | 178  | 203      | N.D. |      |        |
| 57) Di-n-butylphthalate         | 27.09 | 149  | 1112     | 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          | 33.12 | 228  | 1629     | N.D. |      |        |
| 66) Bis(2-ethylhexyl)phthalate  | 33.38 | 149  | 239      | N.D. |      |        |
| 67) Chrysene                    | 33.12 | 228  | 1629     | 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\OCT1701\22558.D

Vial: 3

Acq On : 17 Oct 2001 3:08 pm

Operator: 209 GALOS

Sample : gc/ms unknown re extracted

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 23 14:54 2001

Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)

Title : 209 625/TCLP calibration table 7/16/01

Last Update : Fri Oct 12 09:04:47 2001

Response via : Initial Calibration

DataAcq Meth : NP091101

| Compound                   | R.T.  | QIon | Response | Conc | Unit | Qvalue |
|----------------------------|-------|------|----------|------|------|--------|
| 71) Benzo(k)fluoranthene   | 0.00  | 252  | 0        | N.D. |      |        |
| 72) Benzo(a)pyrene         | 37.23 | 252  | 1827     | 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

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## Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT1701\22558.D

Acq On : 17 Oct 2001 3:08 pm

Sample : gc/ms unknown re extracted

Misc :

MS Integration Params: RTEINT.P

Quant Time: Oct 23 14:54 2001

Vial: 3

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

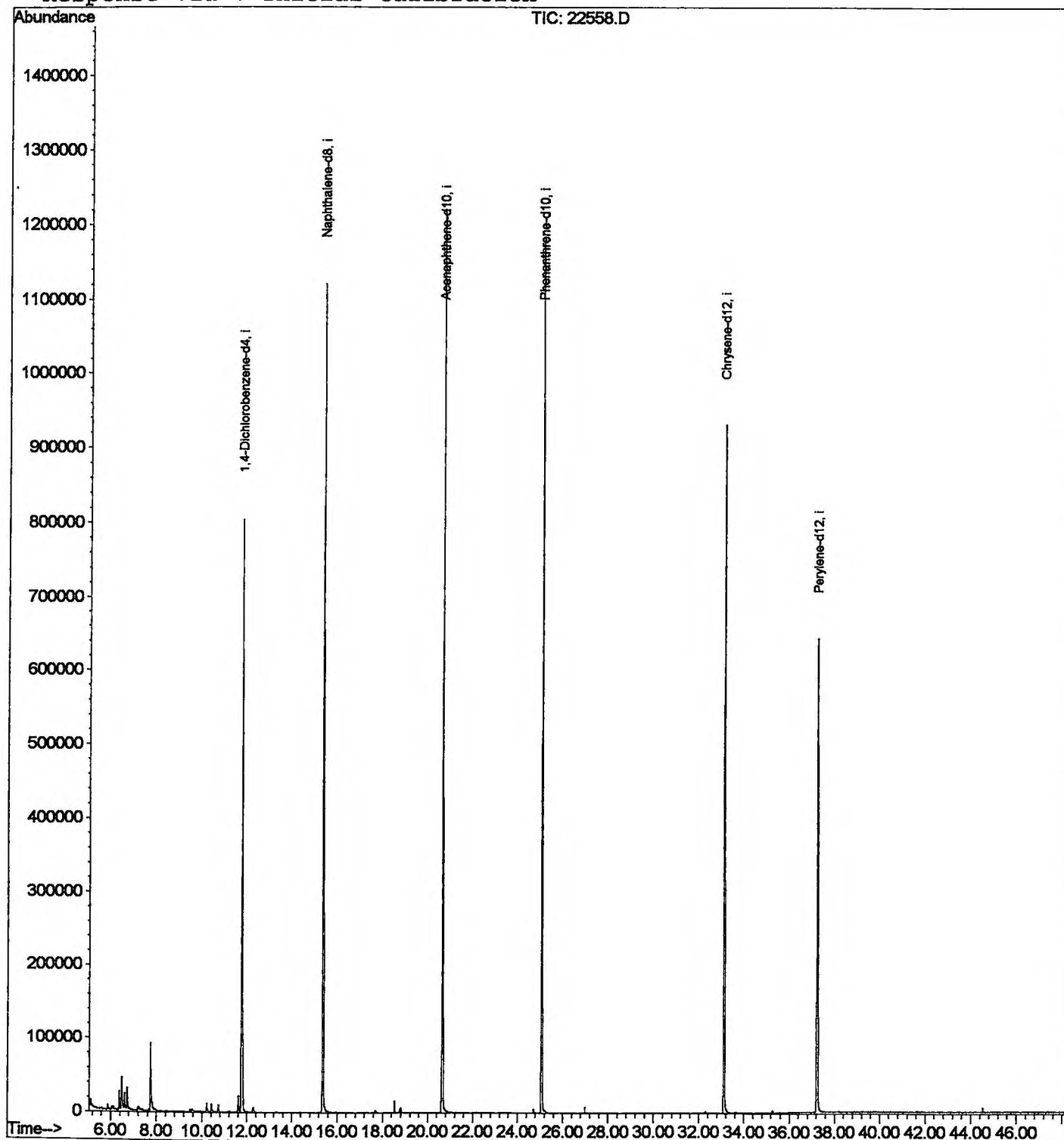
Quant Results File: NP091101.RES

Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)

Title : 209 625/TCLP calibration table 7/16/01

Last Update : Tue Oct 23 10:12:13 2001

Response via : Initial Calibration



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Tue Oct 23 14:55:27 2001

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## LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\OCT1701\22558.D

Vial: 3

Acq On : 17 Oct 2001 3:08 pm

Operator: 209 GALOS

Sample : gc/ms unknown re extracted

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)

Title : 209 625/TCLP calibration table 7/16/01

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         | 6.374       | 142           | 145         | 151          | rBV      | 26206          | 50536        | 1.89%          | 0.356%        |
| 2         | 6.484       | 153           | 157         | 167          | rVV2     | 44000          | 110764       | 4.15%          | 0.780%        |
| 3         | 6.613       | 168           | 171         | 176          | rVV      | 22052          | 43980        | 1.65%          | 0.310%        |
| 4         | 6.732       | 180           | 184         | 191          | rVB      | 28370          | 63786        | 2.39%          | 0.449%        |
| 5         | 7.742       | 291           | 294         | 301          | rBV      | 91867          | 205949       | 7.72%          | 1.450%        |
| 6         | 10.212      | 559           | 563         | 575          | rVB      | 12834          | 27385        | 1.03%          | 0.193%        |
| 7         | 10.423      | 582           | 586         | 593          | rBV3     | 11285          | 27985        | 1.05%          | 0.197%        |
| 8         | 11.625      | 713           | 717         | 727          | rBV      | 21926          | 49440        | 1.85%          | 0.348%        |
| 9         | 11.763      | 727           | 732         | 752          | rVB      | 804116         | 1907660      | 71.48%         | 13.430%       |
| 10        | 15.371      | 1119          | 1125        | 1143         | rBV      | 1121765        | 2608753      | 97.75%         | 18.365%       |
| 11        | 20.659      | 1694          | 1701        | 1714         | rBV      | 1221342        | 2668875      | 100.00%        | 18.788%       |
| 12        | 25.084      | 2176          | 2183        | 2194         | rBV2     | 1178261        | 2485992      | 93.15%         | 17.501%       |
| 13        | 33.126      | 3051          | 3059        | 3074         | rBV      | 931263         | 2153342      | 80.68%         | 15.159%       |
| 14        | 37.238      | 3499          | 3507        | 3522         | rBV2     | 641646         | 1800463      | 67.46%         | 12.675%       |

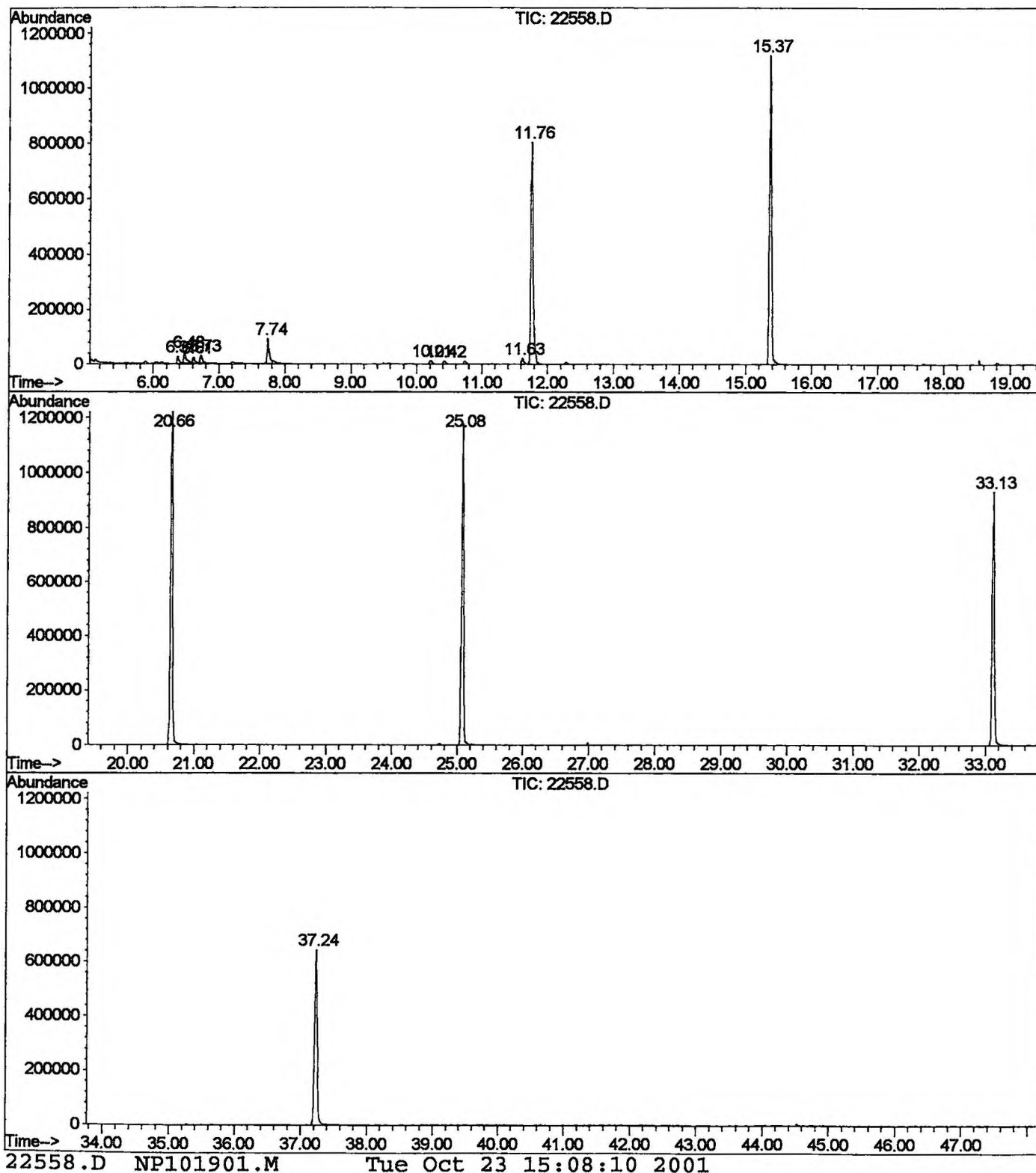
Sum of corrected areas: 14204910

22558.D NP101901.M

Tue Oct 23 15:08:07 2001

## LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\OCT1701\22558.D  
Operator : 209 GALOS  
Acquired : 17 Oct 2001 3:08 pm using AcqMethod NP091101  
Instrument : GC/MS 209  
Sample Name: gc/ms unknown re extracted  
Misc Info :  
Vial Number: 3  
Quant File :NP091101.RES (RTE Integrator)



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1701\22558.D  
 Acq On : 17 Oct 2001 3:08 pm  
 Sample : gc/ms unknown re extracted  
 Misc :  
 MS Integration Params: LSCINT.P

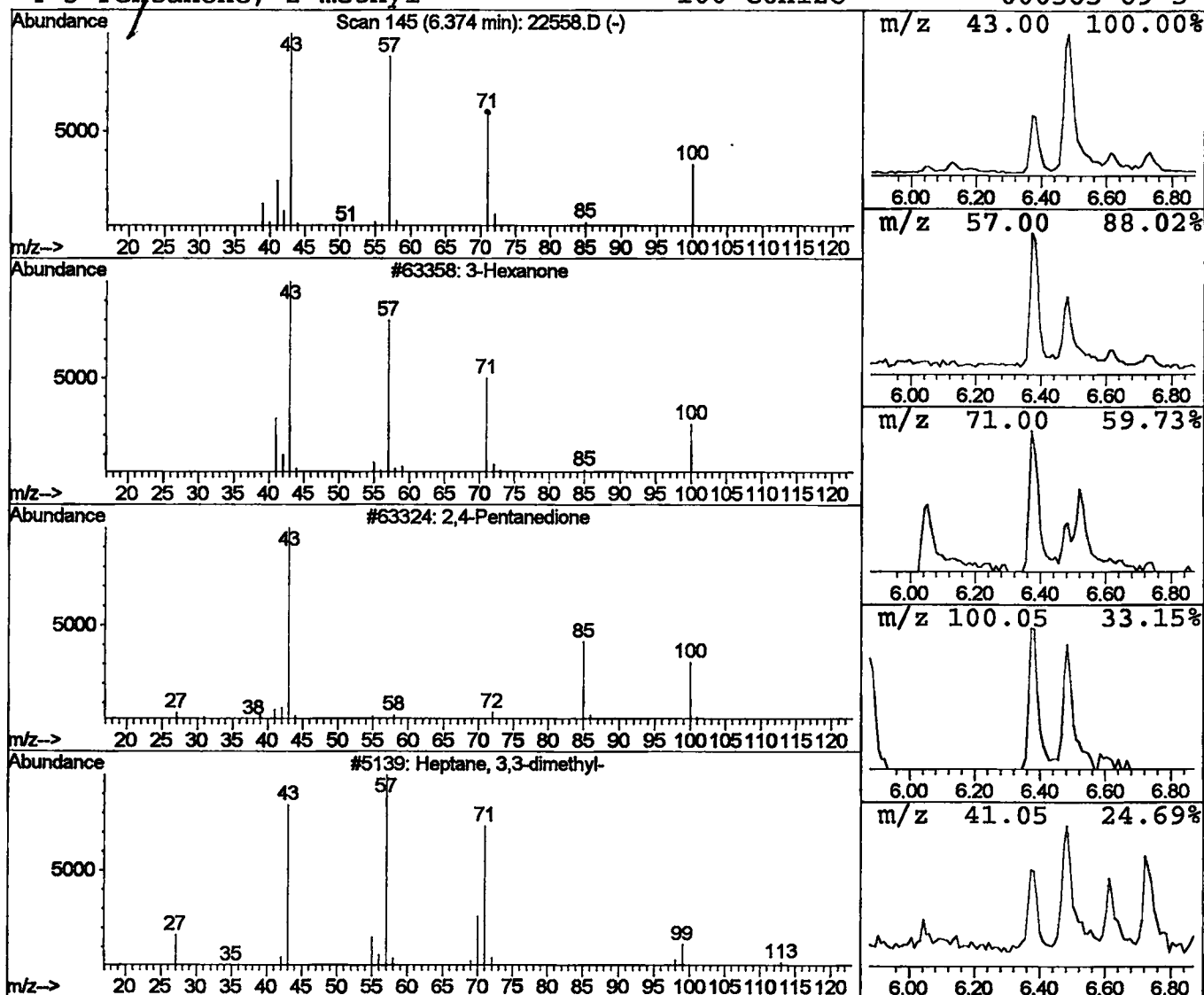
Vial: 3  
 Operator: 209 GALOS  
 Inst : GC/MS 209  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
 Title : 209 625/TCLP calibration table 7/16/01  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 3-Hexanone Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD       | R.T.  |
|------|-----------|-------|------------------------|-------|
| 6.37 | 0.53 ug/l | 50536 | 1,4-Dichlorobenzene-d4 | 11.76 |

| Hit# of | 5                      | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------------|--------------|-----|---------|-------------|------|
| 1       | 3-Hexanone             |              | 100 | C6H12O  | 000589-38-8 | 91   |
| 2       | 2,4-Pentanedione       |              | 100 | C5H8O2  | 000123-54-6 | 38   |
| 3       | Heptane, 3,3-dimethyl- |              | 128 | C9H20   | 004032-86-4 | 36   |
| 4       | 3-Pentanone, 2-methyl- |              | 100 | C6H12O  | 000565-69-5 | 33   |



## Library Search Compound Report

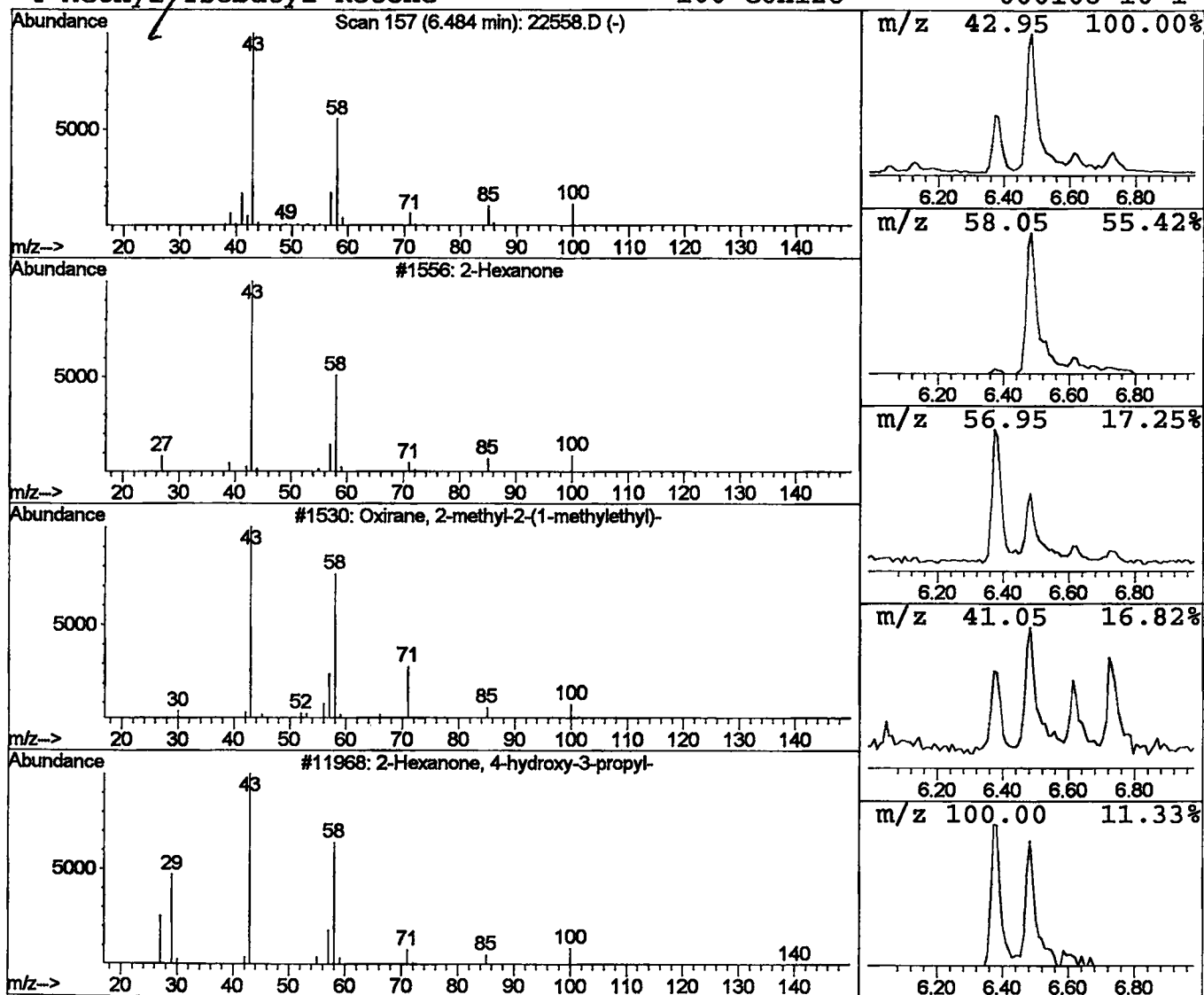
Data File : C:\HPCHEM\1\DATA\OCT1701\22558.D  
Acq On : 17 Oct 2001 3:08 pm  
Sample : gc/ms unknown re extracted  
Misc :  
MS Integration Params: LSCINT.P

Vial: 3  
Operator: 209 GALOS  
Inst : GC/MS 209  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
Title : 209 625/TCLP calibration table 7/16/01  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 2 2-Hexanone Concentration Rank 2

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.    |             |      |
|---------|-------------------------------------|--------------|------------------------|---------|-------------|------|
| 6.48    | 1.16 ug/l                           | 110764       | 1,4-Dichlorobenzene-d4 | 11.76   |             |      |
| Hit# of | 5                                   | Tentative ID | MW                     | MolForm | CAS#        | Qual |
| 1       | 2-Hexanone                          |              | 100                    | C6H12O  | 000591-78-6 | 91   |
| 2       | Oxirane, 2-methyl-2-(1-methylethyl) |              | 100                    | C6H12O  | 072221-03-5 | 72   |
| 3       | 2-Hexanone, 4-hydroxy-3-propyl-     |              | 158                    | C9H18O2 | 062338-17-4 | 64   |
| 4       | Methyl Isobutyl Ketone              |              | 100                    | C6H12O  | 000108-10-1 | 52   |



# Library Search Compound Report

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 Sample : gc/ms unknown re extracted  
 Misc :  
 MS Integration Params: LSCINT.P

Vial: 3  
 Operator: 209 GALOS  
 Inst : GC/MS 209  
 Multiplr: 1.00

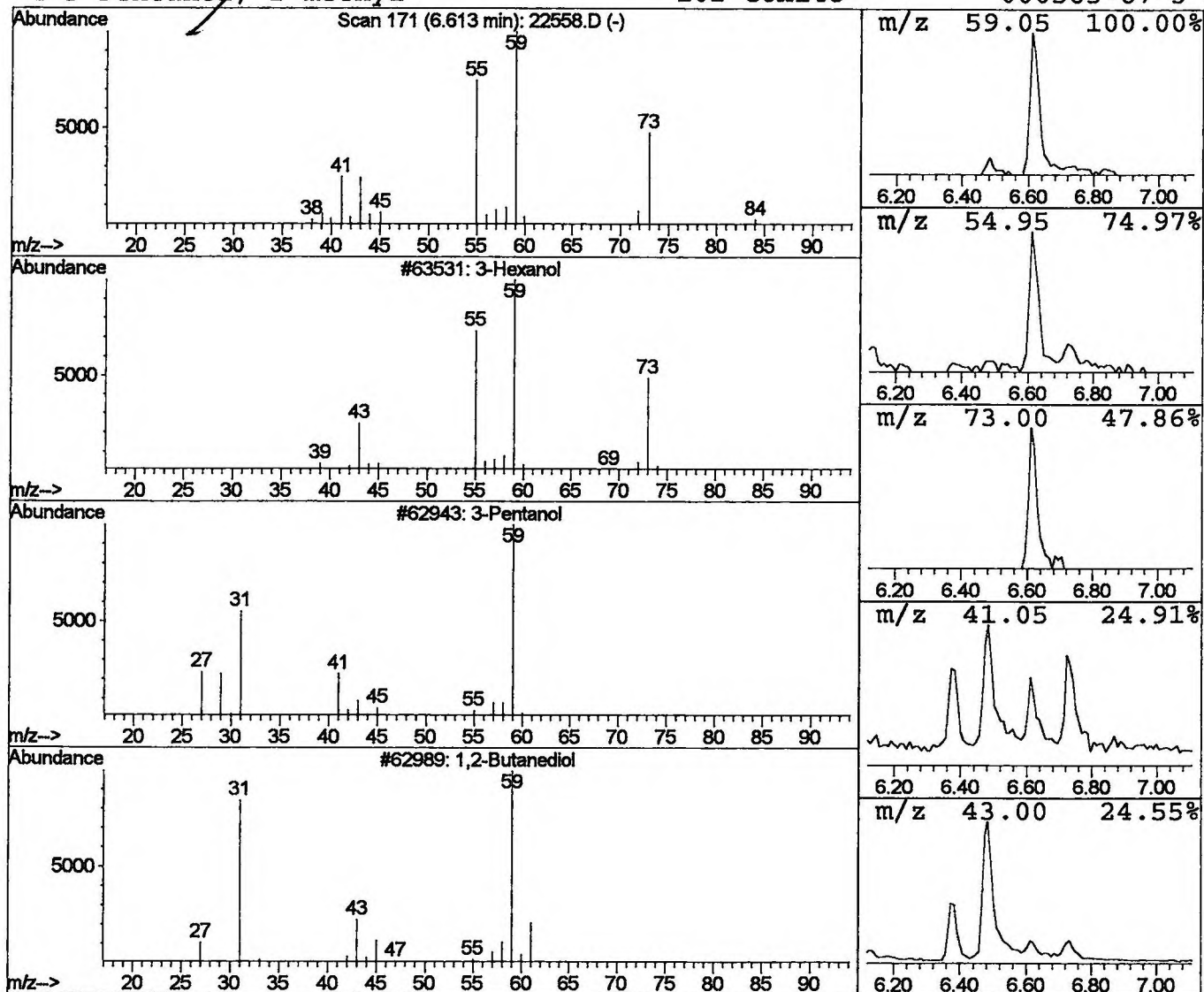
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
 Title : 209 625/TCLP calibration table 7/16/01  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 3-Hexanol Concentration Rank 6

| R.T. | EstConc   | Area  | Relative to ISTD       | R.T.  |
|------|-----------|-------|------------------------|-------|
| 6.61 | 0.46 ug/l | 43980 | 1,4-Dichlorobenzene-d4 | 11.76 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | 3-Hexanol             | 102 | C6H14O  | 000623-37-0 | 90   |
| 2    |    | 3-Pentanol            | 88  | C5H12O  | 000584-02-1 | 45   |
| 3    |    | 1,2-Butanediol        | 90  | C4H10O2 | 000584-03-2 | 36   |
| 4    |    | 3-Pentanol, 2-methyl- | 102 | C6H14O  | 000565-67-3 | 36   |



# Library Search Compound Report

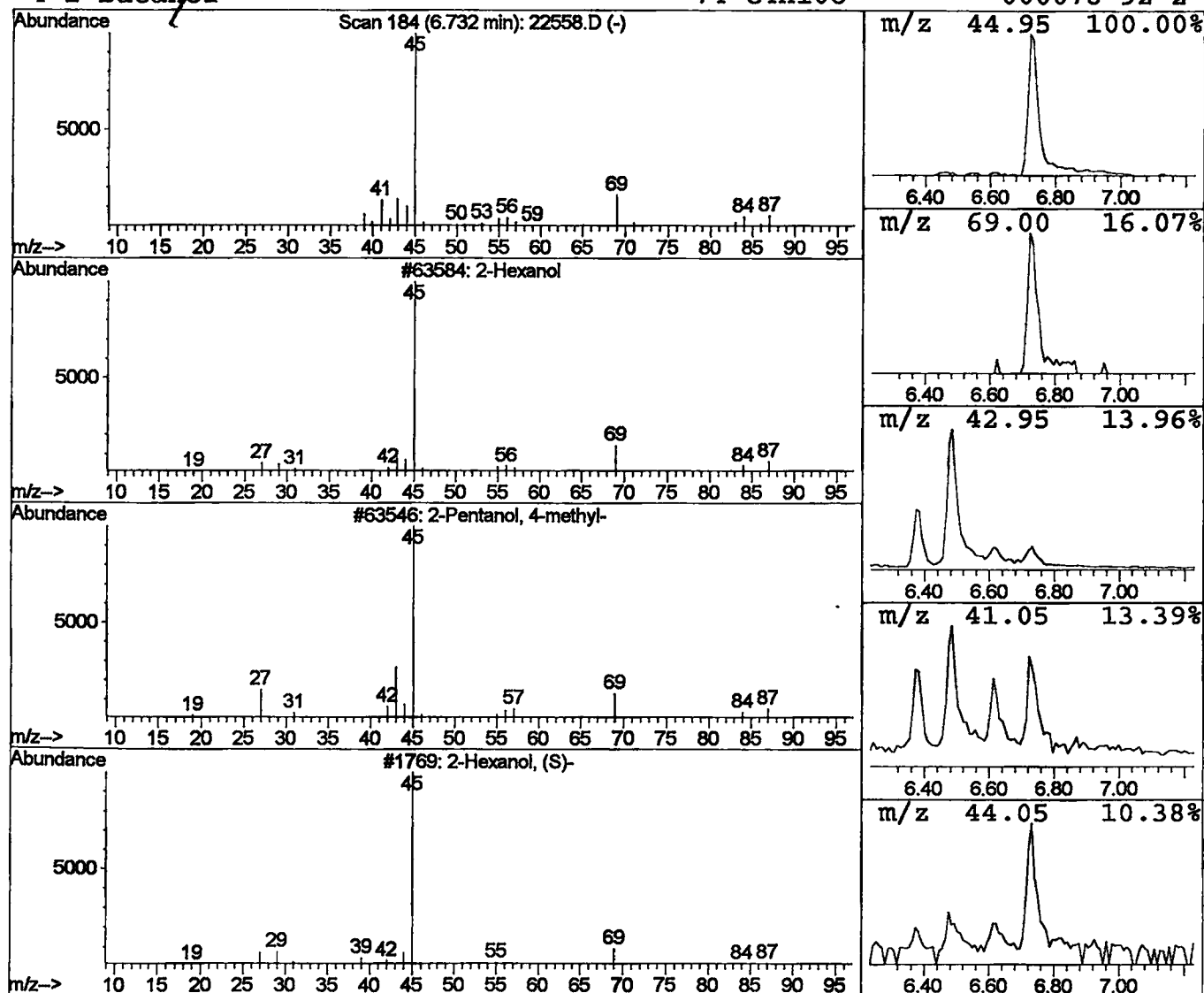
Data File : C:\HPCHEM\1\DATA\OCT1701\22558.D  
 Acq On : 17 Oct 2001 3:08 pm  
 Sample : gc/ms unknown re extracted  
 Misc :  
 MS Integration Params: LSCINT.P

Vial: 3  
 Operator: 209 GALOS  
 Inst : GC/MS 209  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
 Title : 209 625/TCLP calibration table 7/16/01  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 2-Hexanol Concentration Rank 3

| R.T.      | EstConc               | Area  | Relative to ISTD       | R.T.        |      |
|-----------|-----------------------|-------|------------------------|-------------|------|
| 6.73      | 0.67 ug/l             | 63786 | 1,4-Dichlorobenzene-d4 | 11.76       |      |
| Hit# of 5 | Tentative ID          | MW    | MolForm                | CAS#        | Qual |
| 1         | 2-Hexanol             | 102   | C6H14O                 | 000626-93-7 | 83   |
| 2         | 2-Pentanol, 4-methyl- | 102   | C6H14O                 | 000108-11-2 | 74   |
| 3         | 2-Hexanol, (S)-       | 102   | C6H14O                 | 052019-78-0 | 64   |
| 4         | 2-Butanol             | 74    | C4H10O                 | 000078-92-2 | 50   |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1701\22558.D  
Acq On : 17 Oct 2001 3:08 pm  
Sample : gc/ms unknown re extracted  
Misc :  
MS Integration Params: LSCINT.P

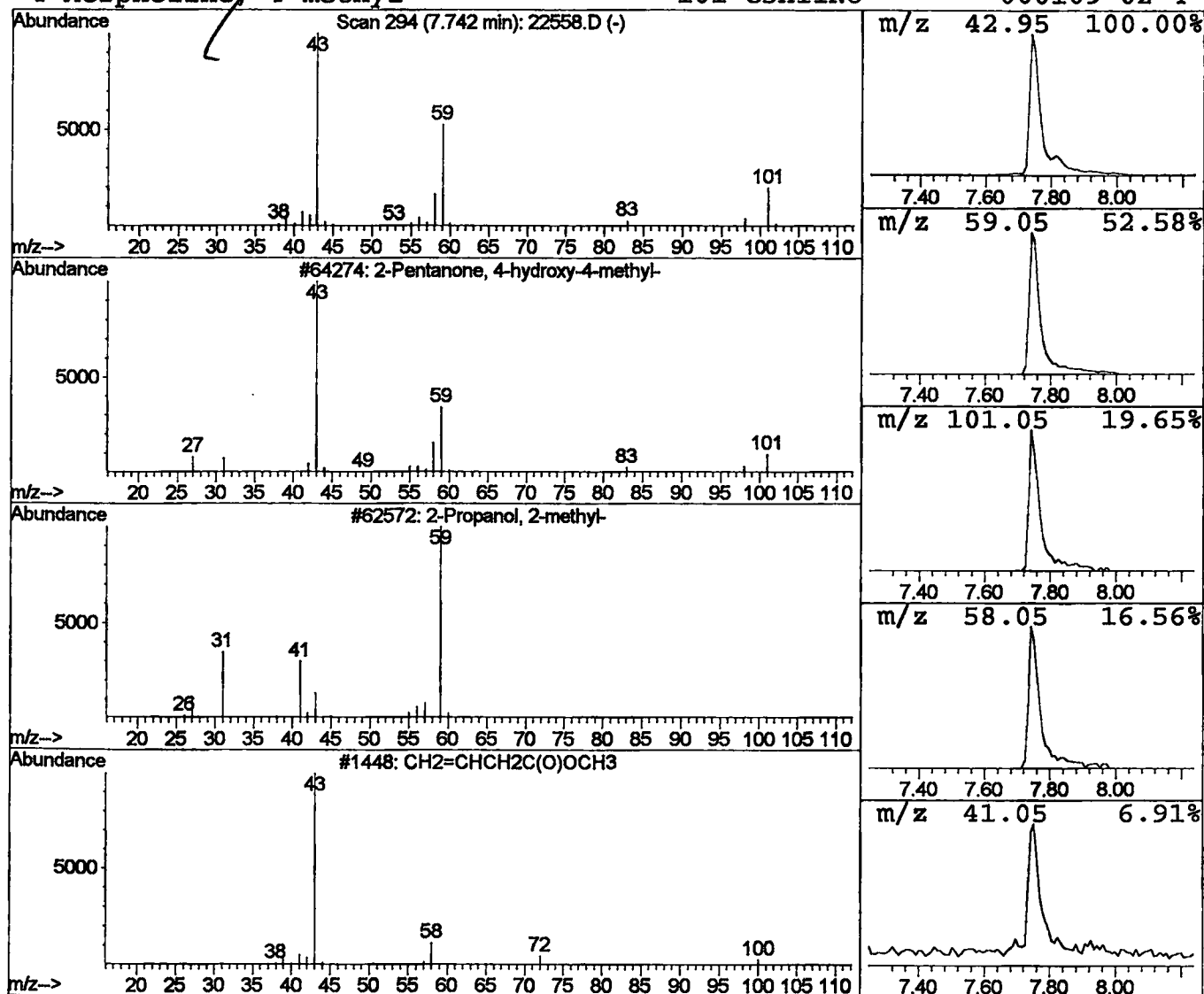
Vial:.3  
Operator: 209 GALOS  
Inst : GC/MS 209  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
Title : 209 625/TCLP calibration table 7/16/01  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 5 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD       | R.T.  |
|------|-----------|--------|------------------------|-------|
| 7.74 | 2.16 ug/l | 205949 | 1,4-Dichlorobenzene-d4 | 11.76 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 42   |
| 2    |    |   | 2-Propanol, 2-methyl-            | 74  | C4H10O  | 000075-65-0 | 17   |
| 3    |    |   | CH2=CHCH2C(O)OCH3                | 100 | C5H8O2  | 003724-55-8 | 10   |
| 4    |    |   | Morpholine, 4-methyl-            | 101 | C5H11NO | 000109-02-4 | 9    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1701\22558.D  
Acq On : 17 Oct 2001 3:08 pm  
Sample : gc/ms unknown re extracted  
Misc :  
MS Integration Params: LSCINT.P

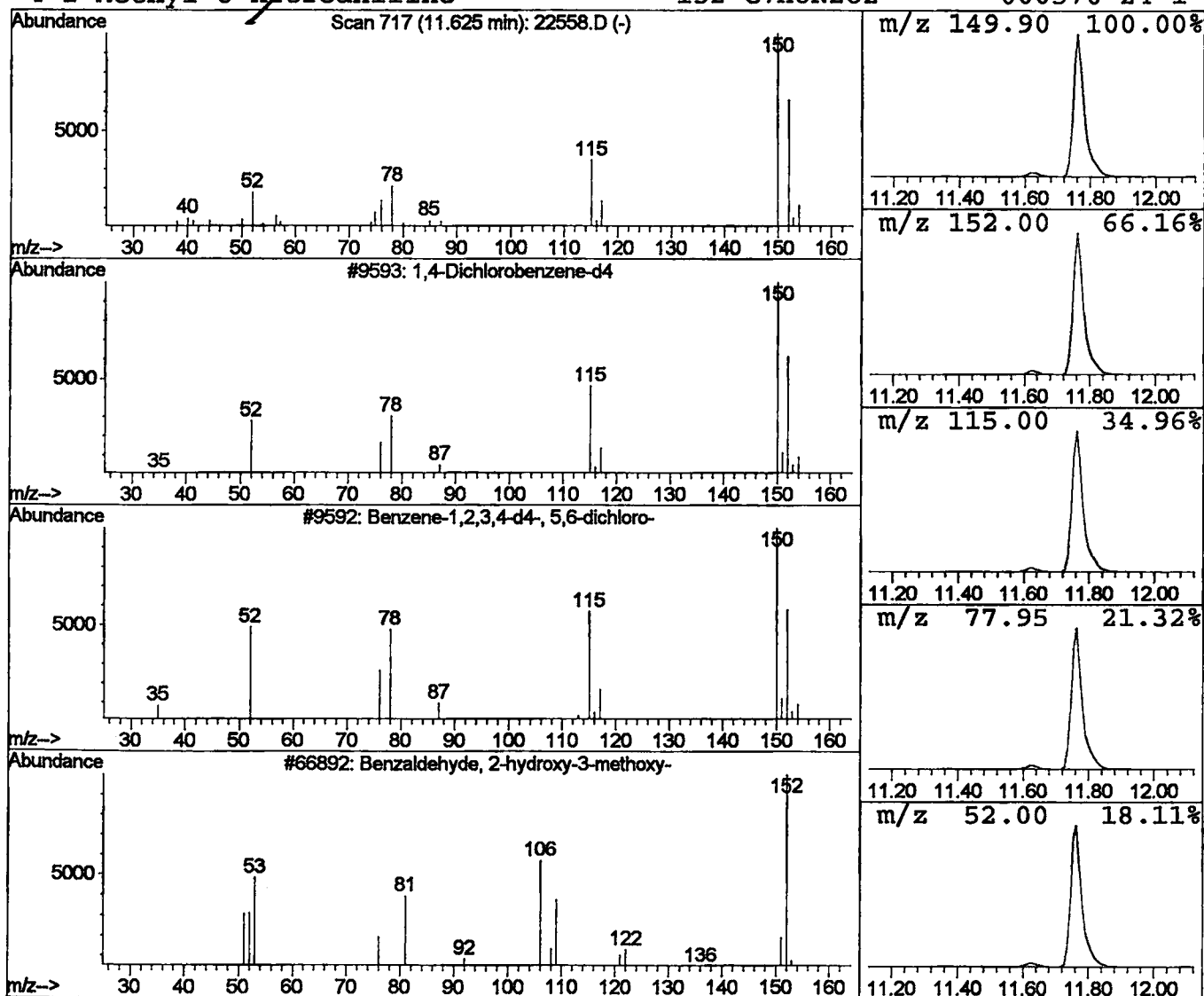
Vial: 3  
Operator: 209 GALOS  
Inst : GC/MS 209  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
Title : 209 625/TCLP calibration table 7/16/01  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 6 1,4-Dichlorobenzene-d4 Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 11.63 | 0.52 ug/l | 49440 | 1,4-Dichlorobenzene-d4 | 11.76 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 1,4-Dichlorobenzene-d4             | 150 | C6Cl2D4  | 003855-82-1 | 59   |
| 2    |    |   | Benzene-1,2,3,4-d4-, 5,6-dichloro- | 150 | C6Cl2D4  | 002199-69-1 | 33   |
| 3    |    |   | Benzaldehyde, 2-hydroxy-3-methoxy- | 152 | C8H8O3   | 000148-53-8 | 10   |
| 4    |    |   | 2-Methyl-6-nitroaniline            | 152 | C7H8N2O2 | 000570-24-1 | 10   |



## Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 17 Oct 2001 3:08 pm  
 Data File: C:\HPCHEM\1\DATA\OCT1701\22558.D  
 Name: gc/ms unknown re extracted  
 Misc:  
 Method: C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
 Title: 209 625/TCLP calibration table 7/16/01  
 Library Searched: C:\DATABASE\NBS75K.L

| TIC Top Hit name      | RT    | EstConc | Units | Area   | IntStd | ISRT  | ISArea  | ISConc |
|-----------------------|-------|---------|-------|--------|--------|-------|---------|--------|
| <del>3-Hexanone</del> | 6.37  | 0.5     | ug/l  | 50536  | ISTD01 | 11.76 | 1907660 | 20.0   |
| <del>2-Hexanone</del> | 6.48  | 1.2     | ug/l  | 110764 | ISTD01 | 11.76 | 1907660 | 20.0   |
| <del>3-Hexanol</del>  | 6.61  | 0.5     | ug/l  | 43980  | ISTD01 | 11.76 | 1907660 | 20.0   |
| <del>2-Hexanol</del>  | 6.73  | 0.7     | ug/l  | 63786  | ISTD01 | 11.76 | 1907660 | 20.0   |
| 2-Pentanone, 4-hydro  | 7.74  | 2.2     | ug/l  | 205949 | ISTD01 | 11.76 | 1907660 | 20.0   |
| 1,4-Dichlorobenzene-  | 11.63 | 0.5     | ug/l  | 49440  | ISTD01 | 11.76 | 1907660 | 20.0   |

22558.D NP101901.M Tue Oct 23 15:08:25 2001

## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2701\22558.D

Vial: 2

Acq On : 27 Sep 2001 1:02 pm

Operator: GALOS

Sample : gc/ms unknown &lt;1 ml

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Sep 27 14:49 2001

Quant Results File: NP072501.RES

Quant Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)

Title : 208 625/TCLP calibration table 7/25/01 C1 IS5

Last Update : Wed Jul 25 15:24:54 2001

Response via : Initial Calibration

DataAcq Meth : HP060501

*original*

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 11.97 | 152  | 489182   | 20.00 | ng/uL | -0.04    |
| 19) Naphthalene-d8        | 15.59 | 136  | 1917263  | 20.00 | ng/uL | -0.04    |
| 31) Acenaphthene-d10      | 20.86 | 164  | 846829   | 20.00 | ng/uL | -0.04    |
| 49) Phenanthrene-d10      | 25.28 | 188  | 1280561  | 20.00 | ng/uL | -0.03    |
| 59) Chrysene-d12          | 33.29 | 240  | 839201   | 20.00 | ng/uL | -0.03    |
| 68) Perylene-d12          | 37.40 | 264  | 654240   | 20.00 | ng/uL | -0.03    |

## System Monitoring Compounds

|                           |        |               |          |      |        |       |
|---------------------------|--------|---------------|----------|------|--------|-------|
| 4) 2-Fluorophenol         | 0.00   | 112           | 0        | 0.00 | ng/uL  |       |
| Spiked Amount             | 75.000 | Range 18 - 42 | Recovery | =    | 0.00%# |       |
| 5) Phenol-d5              | 0.00   | 99            | 0        | 0.00 | ng/uL  |       |
| Spiked Amount             | 75.000 | Range 19 - 32 | Recovery | =    | 0.00%# |       |
| 6) 2-Chlorophenol-d4      | 0.00   | 132           | 0        | 0.00 | ng/uL  |       |
| Spiked Amount             | 75.000 | Range 34 - 84 | Recovery | =    | 0.00%# |       |
| 7) 1,2-Dichlorobenzene-d4 | 12.49  | 152           | 5199     | 0.25 | ng/uL  | -0.04 |
| Spiked Amount             | 50.000 | Range 26 - 73 | Recovery | =    | 0.50%# |       |
| 20) Nitrobenzene-d5       | 0.00   | 82            | 0        | 0.00 | ng/uL  |       |
| Spiked Amount             | 50.000 | Range 55 - 98 | Recovery | =    | 0.00%# |       |
| 32) 2-Fluorobiphenyl      | 19.01  | 172           | 1467     | 0.03 | ng/uL  | 0.11  |
| Spiked Amount             | 50.000 | Range 42 - 78 | Recovery | =    | 0.06%# |       |
| 33) 2,4,6-Tribromophenol  | 0.00   | 330           | 0        | 0.00 | ng/uL  |       |
| Spiked Amount             | 75.000 | Range 45 - 96 | Recovery | =    | 0.00%# |       |
| 62) Terphenyl-d14         | 0.00   | 244           | 0        | 0.00 | ng/uL  |       |
| Spiked Amount             | 50.000 | Range 58 - 98 | Recovery | =    | 0.00%# |       |

## Target Compounds

|                                |      |     |   | Qvalue |
|--------------------------------|------|-----|---|--------|
| 2) Pyridine                    | 0.00 | 79  | 0 | N.D.   |
| 3) N-nitrosodimethylamine      | 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-Nitrosodi-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

22558.D NP072501.M Tue Oct 23 14:43:53 2001

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## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2701\22558.D

Vial: 2

Acq On : 27 Sep 2001 1:02 pm

Operator: GALOS

Sample : gc/ms unknown &lt;1 ml

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Sep 27 14:49 2001

Quant Results File: NP072501.RES

Quant Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)

Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5

Last Update : Wed Jul 25 15:24:54 2001

Response via : Initial Calibration

DataAcq Meth : HP060501

| 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                 | 0.00  | 128  | 0        | 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. | 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          | 0.00  | 165  | 0        | N.D. |      |        |
| 45) Diethylphthalate            | 0.00  | 149  | 0        | N.D. |      |        |
| 46) 4-Chlorophenylphenylether   | 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  | 169  | 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                | 0.00  | 178  | 0        | N.D. |      |        |
| 56) Anthracene                  | 0.00  | 178  | 0        | N.D. |      |        |
| 57) Di-n-butylphthalate         | 0.00  | 149  | 0        | 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        | 31.55 | 149  | 2779     | N.D. |      |        |
| 65) Benzo(a)anthracene          | 33.29 | 228  | 1220     | N.D. |      |        |
| 66) Bis(2-ethylhexyl)phthalate  | 33.11 | 149  | 282      | N.D. |      |        |
| 67) Chrysene                    | 33.29 | 228  | 1220     | 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\SEP2701\22558.D

Vial: 2

Acq On : 27 Sep 2001 1:02 pm

Operator: GALOS

Sample : gc/ms unknown &lt;1 ml

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Sep 27 14:49 2001

Quant Results File: NP072501.RES

Quant Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)

Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5

Last Update : Wed Jul 25 15:24:54 2001

Response via : Initial Calibration

DataAcq Meth : HP060501

| Compound                   | R.T.  | QIon | Response | Conc Unit | Qvalue |
|----------------------------|-------|------|----------|-----------|--------|
| 71) Benzo(k)fluoranthene   | 0.00  | 252  | 0        | N.D.      |        |
| 72) Benzo(a)pyrene         | 37.40 | 252  | 1270     | 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

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## Quantitation Report

Data File : C:\HPCHEM\1\DATA\SEP2701\22558.D  
Acq On : 27 Sep 2001 1:02 pm  
Sample : gc/ms unknown <1 ml  
Misc :  
MS Integration Params: RTEINT.P  
Quant Time: Sep 27 14:49 2001

Vial: 2  
Operator: GALOS  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: NP072501.RES

Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)  
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5  
Last Update : Wed Jul 25 15:24:54 2001  
Response via : Initial Calibration

