

User: Vinci, David L  
Westchester Dept. of Labs & Research  
Date: 06/03/2002 Time: 11:37:32

Sample: AE12165  
Analysis: \$GCMS GCMS Scan For Unknowns  
Units: ug  
Started: 6/3/02 11:36 Ended: 6/3/02 11:36 Analyst: DLV  
Page: 1

|   | Component Name          | Vol | Result | Qualifier | MDL  |
|---|-------------------------|-----|--------|-----------|------|
| 1 | Other unknown compounds |     | .      |           |      |
| 2 | Surr_2,4-DDD            |     | 78     |           | 10.0 |

**Comments for Sample AE12165 - Analysis \$GCMS**

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 06-03-2002 Time: 11:38:48

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Data File : C:\HPCHEM\1\DATA\MAY2902\12165.D  
 Acq On : 29 May 2002 6:13 pm  
 Sample : gc/ms scan 5/23  
 Misc :  
 MS Integration Params: GOOFY.P  
 Quant Time: May 30 8:21 2002

Vial: 8  
 Operator: Morgan  
 Inst : 209  
 Multiplr: 1.00

Quant Results File: GCMS0528.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0528.M (RTE Integrator)  
 Title : 209 625/TCLP calibration table  
 Last Update : Tue May 28 08:55:48 2002  
 Response via : Initial Calibration  
 DataAcq Meth : GCMS0528

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 597094   | 40.00 | ug/l  | -0.08    |
| 10) Naphthalene-d8        | 15.69 | 136  | 2406415  | 40.00 | ug/l  | -0.10    |
| 17) Acenaphthene-d10      | 20.99 | 164  | 1150230  | 40.00 | ug/l  | -0.10    |
| 30) Phenanthrene-d10      | 25.42 | 188  | 1772762  | 40.00 | ug/l  | -0.11    |
| 38) Chrysene-d12          | 33.47 | 240  | 1044772  | 40.00 | ug/l  | -0.13    |
| 44) Perylene-d12          | 37.65 | 264  | 667861   | 40.00 | ug/l  | -0.15    |

## System Monitoring Compounds

|               |        |     |          |       |        |       |
|---------------|--------|-----|----------|-------|--------|-------|
| 28) TCMX      | 23.14  | 209 | 246237   | 31.01 | ug/L   | -0.10 |
| Spiked Amount | 40.000 |     | Recovery | =     | 77.53% |       |

## Target Compounds

|                                 | R.T.  | QIon | Response | Conc | Units | Qvalue |
|---------------------------------|-------|------|----------|------|-------|--------|
| 2) N-nitrosodimethylamine       | 0.00  | 74   | 0        | N.D. |       |        |
| 3) bis(2-Chloroethyl) ether     | 0.00  | 93   | 0        | N.D. |       |        |
| 4) 1,3-Dichlorobenzene          | 12.07 | 146  | 426      | N.D. |       |        |
| 5) 1,4-Dichlorobenzene          | 12.07 | 146  | 426      | 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-Nitrosodi-n-propylamine    | 0.00  | 70   | 0        | N.D. |       |        |
| 9) Hexachloroethane             | 0.00  | 117  | 0        | N.D. |       |        |
| 11) Nitrobenzene                | 13.37 | 77   | 324      | 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                 | 15.76 | 128  | 531      | 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. | d     |        |
| 22) Acenaphthylene              | 0.00  | 152  | 0        | N.D. |       |        |
| 23) Acenaphthene                | 0.00  | 153  | 0        | N.D. |       |        |
| 24) 2,4-Dinitrotoluene          | 21.36 | 165  | 291      | N.D. |       |        |
| 25) Diethylphthalate            | 22.48 | 149  | 987      | N.D. |       |        |
| 26) 4-Chlorophenylphenylether   | 23.13 | 204  | 1752     | N.D. |       |        |
| 27) Fluorene                    | 0.00  | 166  | 0        | N.D. |       |        |
| 29) Azobenzene                  | 0.00  | 77   | 0        | N.D. |       |        |
| 31) N-Nitrosodiphenylamine      | 23.14 | 168  | 605      | N.D. |       |        |
| 32) 4-Bromophenylphenylether    | 0.00  | 248  | 0        | N.D. |       |        |
| 33) Hexachlorobenzene           | 0.00  | 284  | 0        | N.D. |       |        |
| 34) Phenanthrene                | 25.50 | 178  | 500      | N.D. |       |        |

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

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## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY2902\12165.D

Vial: 8

Acq On : 29 May 2002 6:13 pm

Operator: Morgan

Sample : gc/ms scan 5/23

Inst : 209

Misc :

Multiplr: 1.00

MS Integration Params: GOOFY.P

Quant Time: May 30 8:21 2002

Quant Results File: GCMS0528.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0528.M (RTE Integrator)

Title : 209 625/TCLP calibration table

Last Update : Tue May 28 08:55:48 2002

Response via : Initial Calibration

DataAcq Meth : GCMS0528

| Compound                       | R.T.  | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|------|------|--------|
| 35) Anthracene                 | 25.50 | 178  | 500      | N.D. |      |        |
| 36) Di-n-butylphthalate        | 27.41 | 149  | 35904    | 0.62 | ug/l | 98     |
| 37) Fluoranthene               | 29.11 | 202  | 346      | N.D. |      |        |
| 39) Pyrene                     | 29.78 | 202  | 472      | N.D. |      |        |
| 40) Butylbenzylphthalate       | 0.00  | 149  | 0        | N.D. |      |        |
| 41) Benzo(a)anthracene         | 33.47 | 228  | 2900     | N.D. |      |        |
| 42) Bis(2-ethylhexyl)phthalate | 33.70 | 149  | 1895     | N.D. |      |        |
| 43) Chrysene                   | 33.54 | 228  | 658      | N.D. |      |        |
| 45) Di-n-Octylphthalate        | 35.45 | 149  | 538      | N.D. |      |        |
| 46) Benzo(b)fluoranthene       | 36.52 | 252  | 957      | N.D. |      |        |
| 47) Benzo(k)fluoranthene       | 36.58 | 252  | 1676     | N.D. |      |        |
| 48) Benzo(a)pyrene             | 37.48 | 252  | 846      | N.D. |      |        |
| 49) Indeno(1,2,3-cd)pyrene     | 41.64 | 276  | 275      | N.D. |      |        |
| 50) Dibenz(a,h)anthracene      | 41.72 | 278  | 272      | N.D. |      |        |
| 51) Benzo(g,h,i)perylene       | 42.82 | 276  | 754      | 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\MAY2902\12165.D

Vial: 8

Acq On : 29 May 2002 6:13 pm

Operator: Morgan

Sample : gc/ms scan 5/23

Inst : 209

Misc :

Multiplr: 1.00

MS Integration Params: GOOFY.P

Quant Time: May 30 8:21 2002

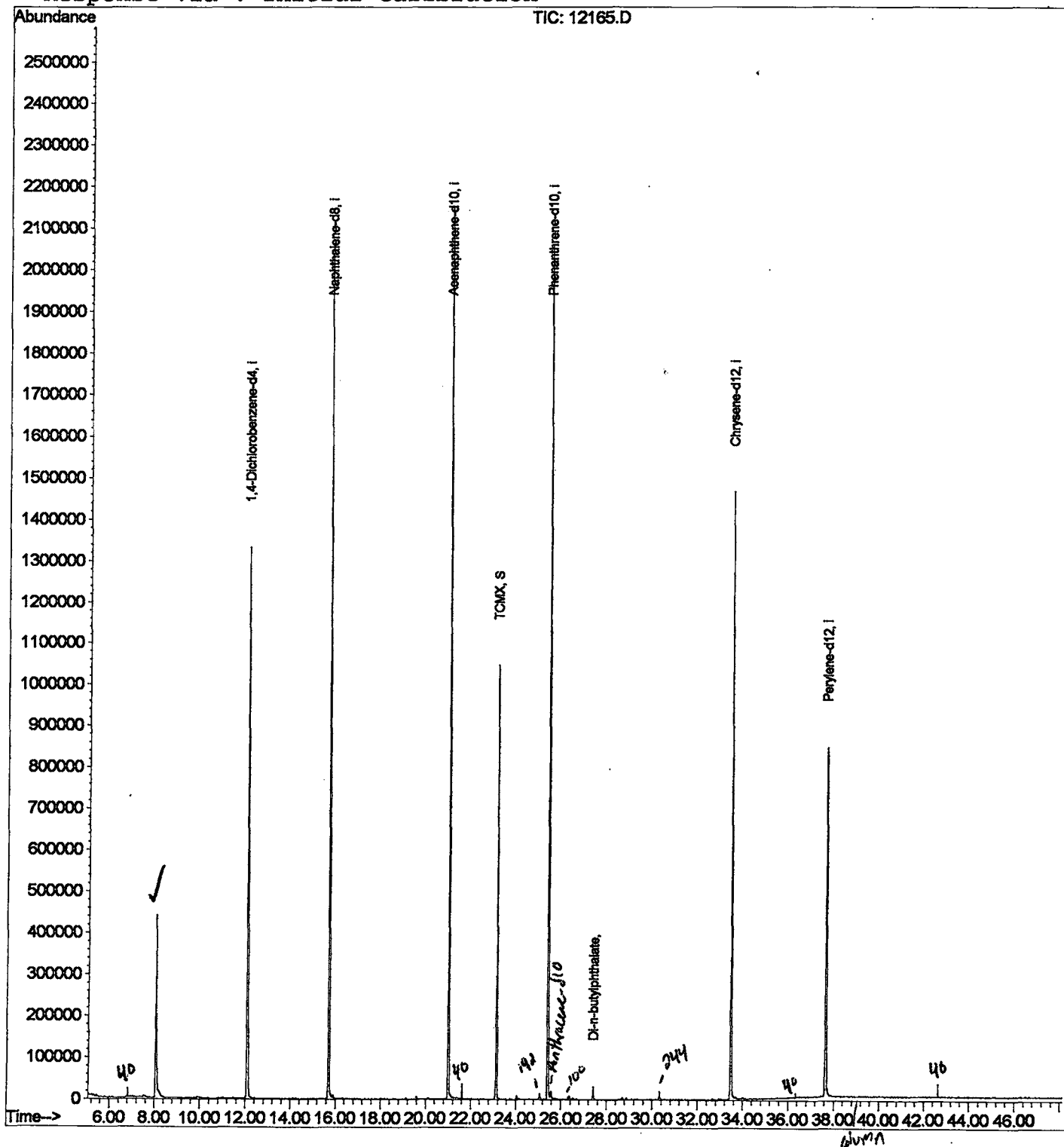
Quant Results File: GCMS0528.RES

Method : C:\HPCHEM\1\METHODS\GCMS0528.M (RTE Integrator)

Title : 209 625/TCLP calibration table

Last Update : Tue May 28 08:55:48 2002

Response via : Initial Calibration



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## LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAY2902\12165.D

Acq On : 29 May 2002 6:13 pm

Sample : gc/ms scan 5/23

Misc :

MS Integration Params: LSCINT.P

Vial: 8

Operator: Morgan

Inst : 209

Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\GCMS0528.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 &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         | 8.054       | 324           | 328         | 340          | rBV      | 438369         | 1130138      | 24.87%         | 4.354%        |
| 2         | 12.066      | 760           | 765         | 784          | rBV      | 1331676        | 3257334      | 71.67%         | 12.549%       |
| 3         | 15.692      | 1154          | 1160        | 1175         | rBV      | 2059890        | 4442735      | 97.75%         | 17.115%       |
| 4         | 20.989      | 1731          | 1737        | 1752         | rBV      | 2152587        | 4497243      | 98.95%         | 17.325%       |
| 5         | 23.128      | 1962          | 1970        | 1980         | rBV      | 1046477        | 2257885      | 49.68%         | 8.698%        |
| 6         | 25.423      | 2213          | 2220        | 2232         | rBV2     | 2055988        | 4544930      | 100.00%        | 17.509%       |
| 7         | 27.406      | 2432          | 2436        | 2443         | rVB      | 31341          | 57547        | 1.27%          | 0.222%        |
| 8         | 33.474      | 3090          | 3097        | 3113         | rBV2     | 1466971        | 3306317      | 72.75%         | 12.737%       |
| 9         | 37.651      | 3544          | 3552        | 3573         | rBV2     | 840430         | 2463339      | 54.20%         | 9.490%        |

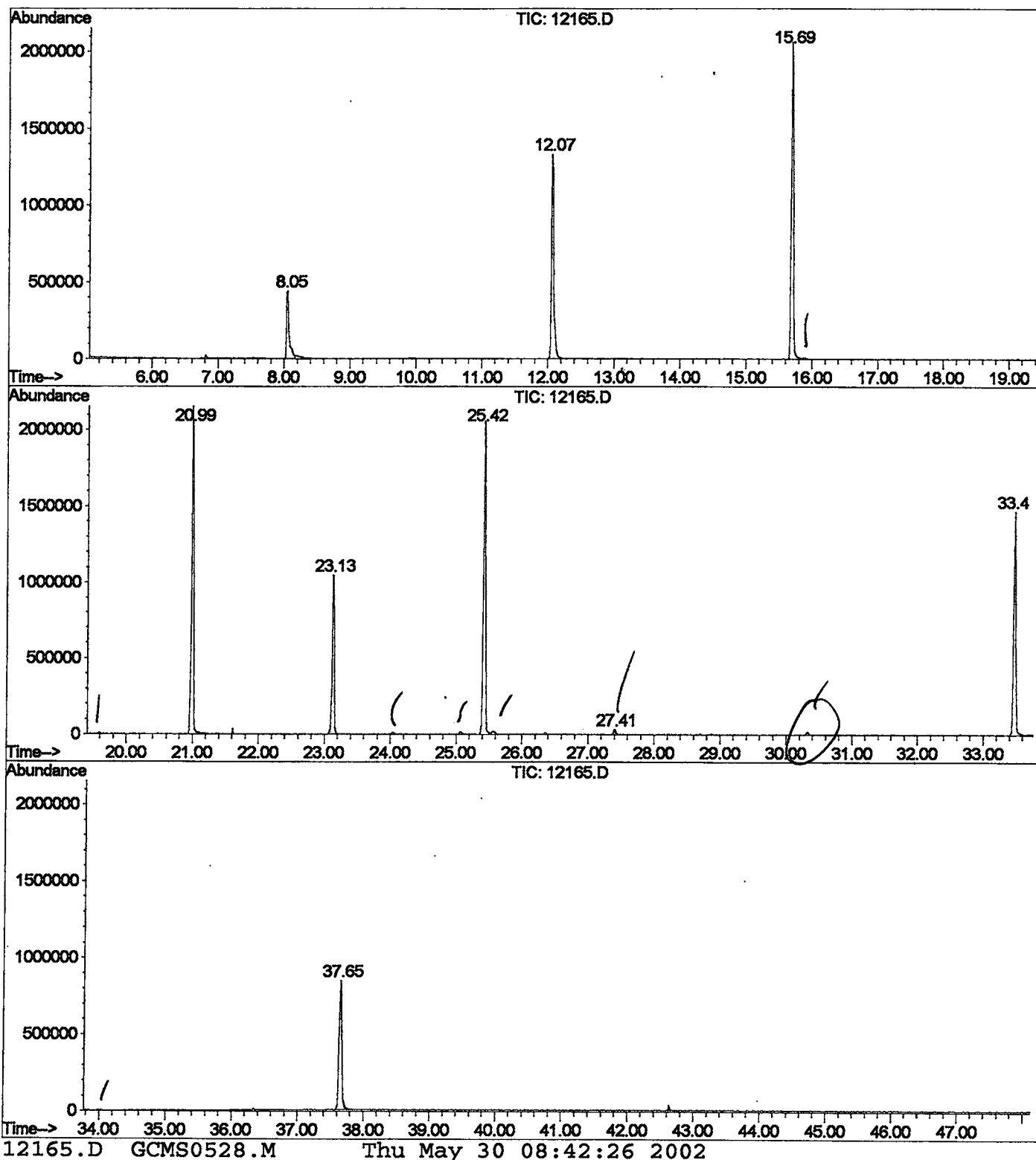
Sum of corrected areas: 25957468

12165.D GCMS0528.M

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# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAY2902\12165.D  
 Operator : Morgan  
 Acquired : 29 May 2002 6:13 pm using AcqMethod GCMS0528  
 Instrument : 209  
 Sample Name: gc/ms scan 5/23  
 Misc Info :  
 Vial Number: 8  
 Quant File :GCMS0528.RES (RTE Integrator)



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY2902\12165.D

Acq On : 29 May 2002 6:13 pm

Sample : gc/ms scan 5/23

Misc :

MS Integration Params: LSCINT.P

Vial: 8

Operator: Morgan

Inst : 209

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GCMS0528.M (RTE Integrator)

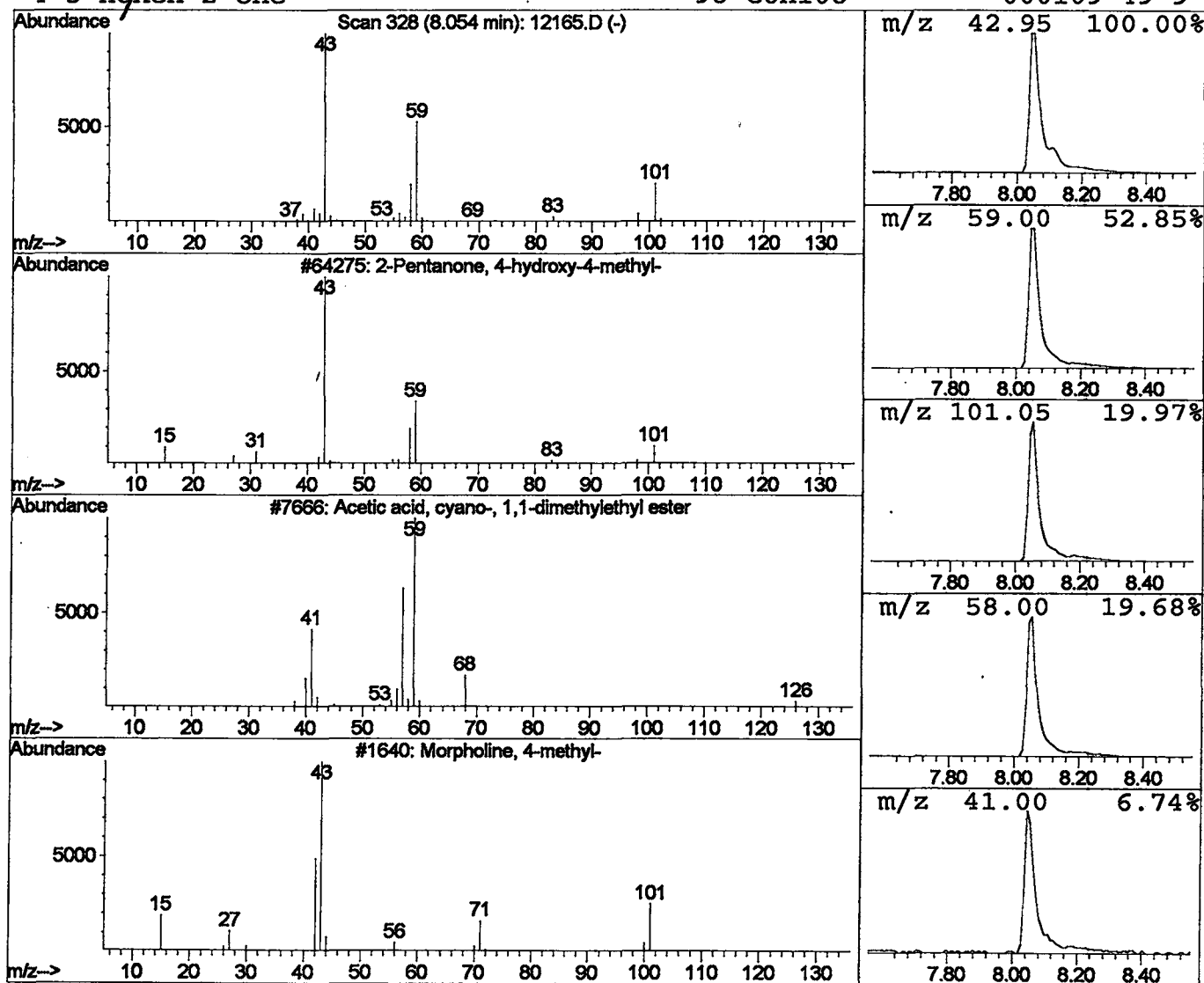
Title : 209 625/TCLP calibration table

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.  |
|------|------------|---------|------------------------|-------|
| 8.05 | 13.88 ug/l | 1130140 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of | 5                                   | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|-------------------------------------|--------------|----------|-------------|------|------|
| 1       | 2-Pentanone, 4-hydroxy-4-methyl-    | 116          | C6H12O2  | 000123-42-2 | 42   |      |
| 2       | Acetic acid, cyano-, 1,1-dimethylet | 141          | C7H11NO2 | 001116-98-9 | 17   |      |
| 3       | Morpholine, 4-methyl-               | 101          | C5H11NO  | 000109-02-4 | 9    |      |
| 4       | 5-Hexen-2-one                       | 98           | C6H10O   | 000109-49-9 | 9    |      |



Tentatively Identified Compound (LSC) summary

Operator ID: Morgan Date Acquired: 29 May 2002 6:13 pm  
 Data File: C:\HPCHEM\1\DATA\MAY2902\12165.D  
 Name: gc/ms scan 5/23  
 Misc:  
 Method: C:\HPCHEM\1\METHODS\GCMS0528.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> | 8.05 | 13.9    | ug/l  | 1130140 | ISTD01 | 12.07 | 3257330 | 40.0   |

12165.D GCMS0528.M Thu May 30 08:42:27 2002