NYC 9/11 Public Portal Document

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/20/2002 Time: 11:36:13

Sample: AE10433
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/20/02 11:34 Ended: 5/20/02 11:34 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 97 | | 10.0 |

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**Comments for Sample AE10433 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-20-2002 Time: 11:37:02

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

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Data File : C:\HPCHEM\1\DATA\MAY1002\10433.D Vial: 30
Acq On : 11 May 2002 6:23 pm Operator:
Sample : gc/ms scan 5/2 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 16 10:27 2002 Quant Results File: GCMS0510.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0510.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu May 16 09:35:44 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0507

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.16 | 152 | 406753 | 40.00 | ug/l | -0.03 |
| 10) Naphthalene-d8 | 15.79 | 136 | 1467900 | 40.00 | ug/l | -0.04 |
| 17) Acenaphthene-d10 | 21.11 | 164 | 802837 | 40.00 | ug/l | -0.03 |
| 30) Phenanthrene-d10 | 25.54 | 188 | 1096874 | 40.00 | ug/l | -0.03 |
| 38) Chrysene-d12 | 33.60 | 240 | 691609 | 40.00 | ug/l | -0.03 |
| 44) Perylene-d12 | 37.82 | 264 | 448739 | 40.00 | ug/l | -0.04 |
| **System Monitoring Compounds** | | | | | | |
| 28) TCMX | 23.24 | 209 | 38772 | 9.71 | ug/L | -0.03 |
| Spiked Amount 10.000 | | | Recovery = 97.10% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitrosodimethylamine | 5.39 | 74 | 260 | 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-Nitrosodi-n-propylamine | 0.00 | 70 | 0 | N.D. | | |
| 9) Hexachloroethane | 0.00 | 117 | 0 | N.D. | | |
| 11) Nitrobenzene | 13.39 | 77 | 195 | 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 | 0.00 | 128 | 0 | 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 | 0.00 | 165 | 0 | N.D. | | |
| 25) Diethylphthalate | 22.59 | 149 | 672 | N.D. | | |
| 26) 4-Chlorophenylphenylether | 0.00 | 204 | 0 | N.D. | | |
| 27) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 29) Azobenzene | 23.25 | 77 | 638 | N.D. | | |
| 31) N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | | |
| 32) 4-Bromophenylphenylether | 0.00 | 248 | 0 | N.D. | | |
| 33) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | | |
| 34) Phenanthrene | 25.54 | 178 | 288 | N.D. | | |

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



NYC-WTC_000045240

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Data File : C:\HPCHEM\1\DATA\MAY1002\10433.D Vial: 30
Acq On : 11 May 2002 6:23 pm Operator:
Sample : gc/ms scan 5/2 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 16 10:27 2002 Quant Results File: GCMS0510.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0510.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu May 16 09:35:44 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0507

| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 35) | Anthracene | 25.54 | 178 | 288 | N.D. | |
| 36) | Di-n-butylphthalate | 27.52 | 149 | 2006 | N.D. | |
| 37) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 39) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 40) | Butylbenzylphthalate | 32.05 | 149 | 178 | N.D. | |
| 41) | Benzo(a)anthracene | 33.60 | 228 | 1653 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.82 | 149 | 5251 | 0.33 ug/l | 98 |
| 43) | Chrysene | 33.60 | 228 | 1653 | N.D. | |
| 45) | Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) | Benzo(b)fluoranthene | 36.67 | 252 | 427 | N.D. | |
| 47) | Benzo(k)fluoranthene | 36.72 | 252 | 330 | N.D. | |
| 48) | Benzo(a)pyrene | 37.82 | 252 | 1821 | 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. | |

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

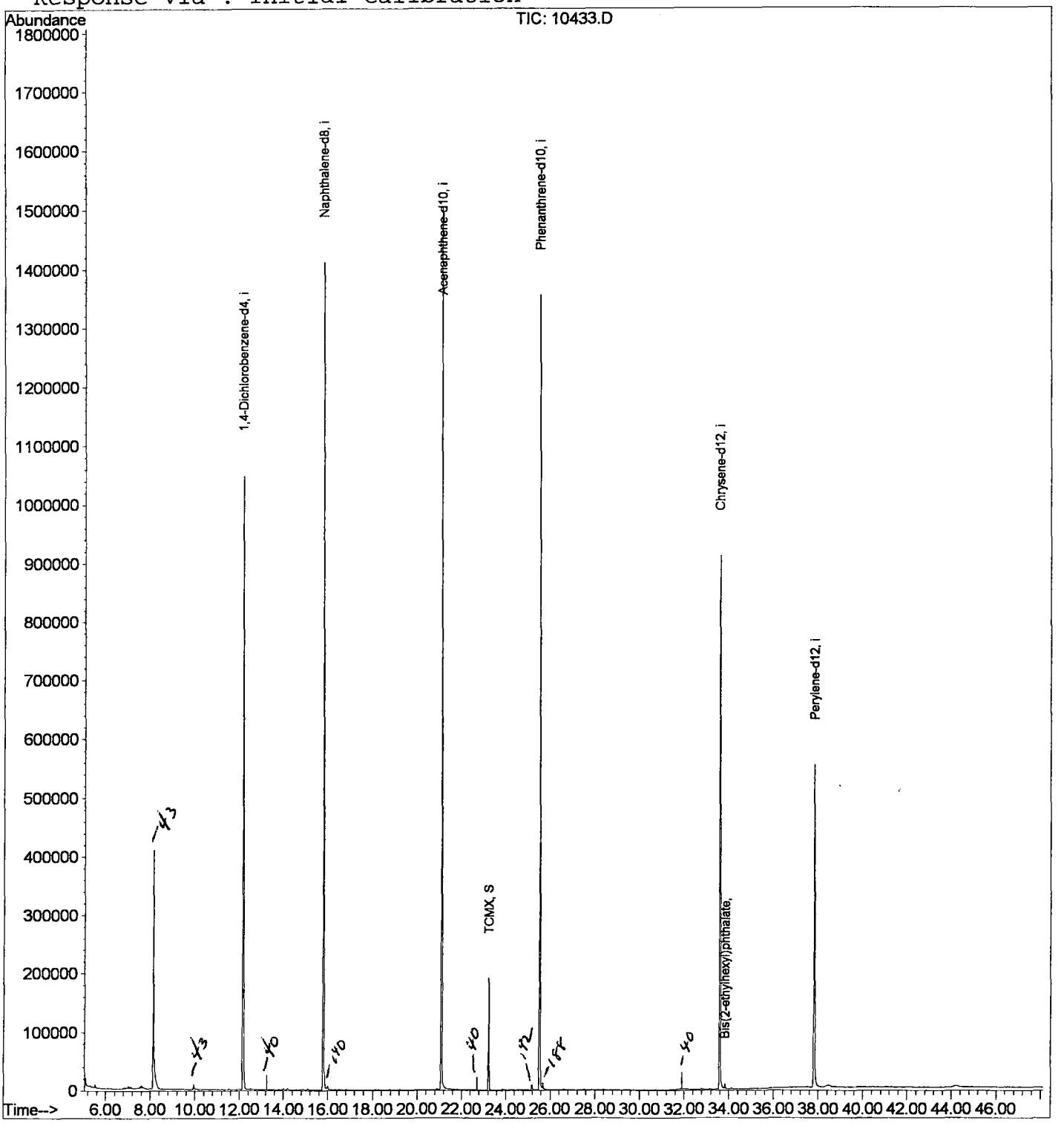

NYC-WTC_000045241

NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\MAY1002\10433.D
Acq On : 11 May 2002 6:23 pm
Sample : gc/ms scan 5/2
Misc :
MS Integration Params: GOOFY.P
Quant Time: May 16 10:27 2002

Vial: 30
Operator:
Inst : 209
Multiplr: 1.00
Quant Results File: GCMS0510.RES

Method : C:\HPCHEM\1\METHODS\GCMS0510.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu May 16 09:35:44 2002
Response via : Initial Calibration






NYC-WTC_000045242

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Data File : C:\HPCHEM\1\DATA\MAY1002\10433.D Vial: 30
Acq On : 11 May 2002 6:23 pm Operator:
Sample : gc/ms scan 5/2 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0510.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 < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.139 | 334 | 338 | 343 | rBV | 408018 | 777141 | 24.25% | 4.805% |
| 2 | 12.162 | 771 | 777 | 793 | rBV | 1046864 | 2324585 | 72.53% | 14.372% |
| 3 | 15.791 | 1167 | 1173 | 1190 | rBV | 1410496 | 2899127 | 90.46% | 17.924% |
| 4 | 21.106 | 1746 | 1753 | 1768 | rBV | 1505251 | 3204891 | 100.00% | 19.815% |
| 5 | 23.241 | 1977 | 1986 | 1999 | rVB | 190829 | 375813 | 11.73% | 2.323% |
| 6 | 25.541 | 2231 | 2237 | 2249 | rBV2 | 1354898 | 2930733 | 91.45% | 18.120% |
| 7 | 33.605 | 3109 | 3117 | 3135 | rBV | 911739 | 2079908 | 64.90% | 12.859% |
| 8 | 37.820 | 3569 | 3577 | 3595 | rBV2 | 549203 | 1582270 | 49.37% | 9.783% |

Sum of corrected areas: 16174468

10433.D GCMS0510.M Thu May 16 10:50:22 2002

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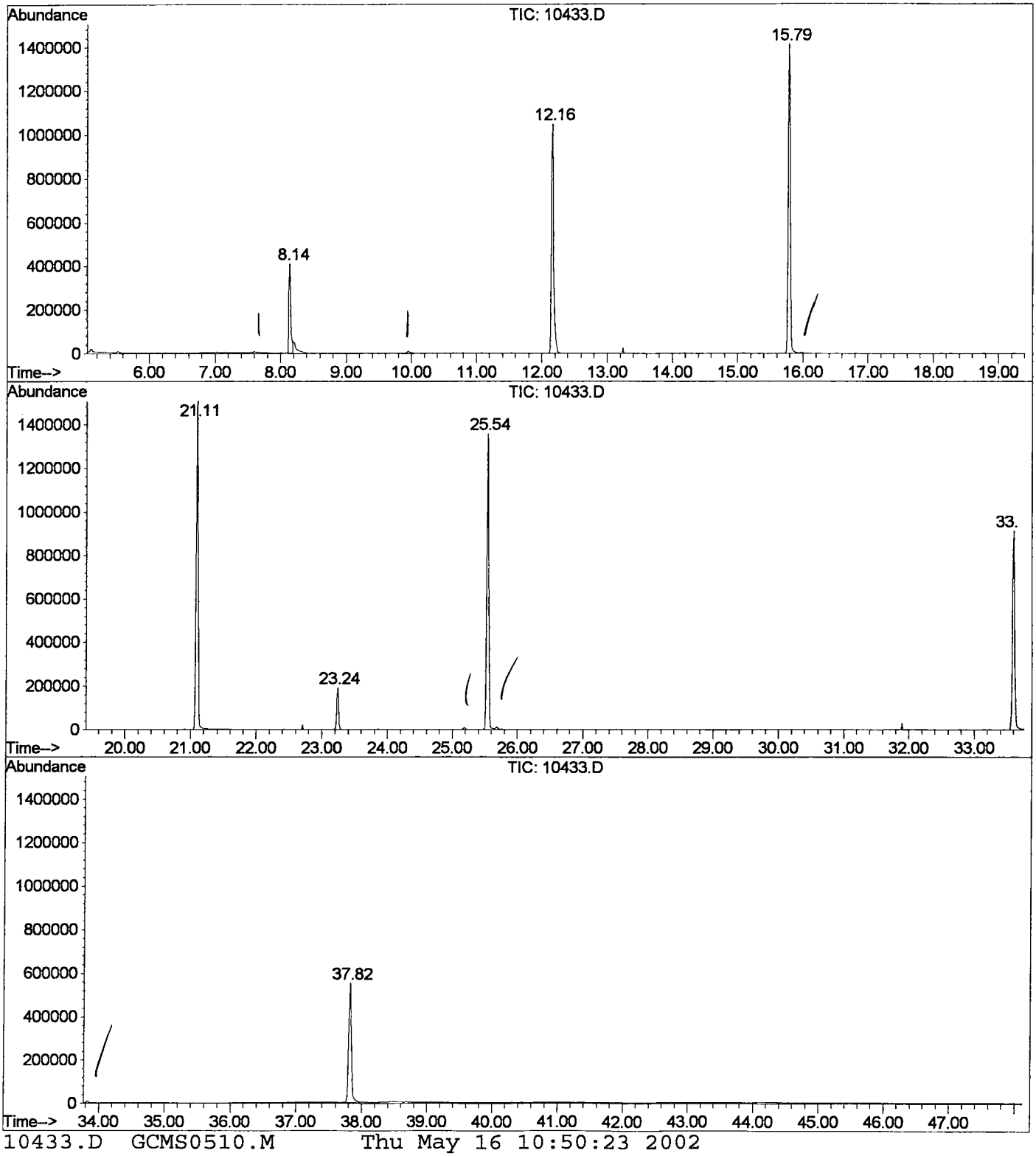
# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAY1002\10433.D
Operator :
Acquired : 11 May 2002 6:23 pm using AcqMethod GCMS0507
Instrument : 209
Sample Name: gc/ms scan 5/2
Misc Info :
Vial Number: 30
Quant File :GCMS0510.RES (RTE Integrator)




10433.D GCMS0510.M Thu May 16 10:50:23 2002

NYC-WTC_000045244

Data File : C:\HPCHEM\1\DATA\MAY1002\10433.D Vial: 30
Acq On : 11 May 2002 6:23 pm Operator:
Sample : gc/ms scan 5/2 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

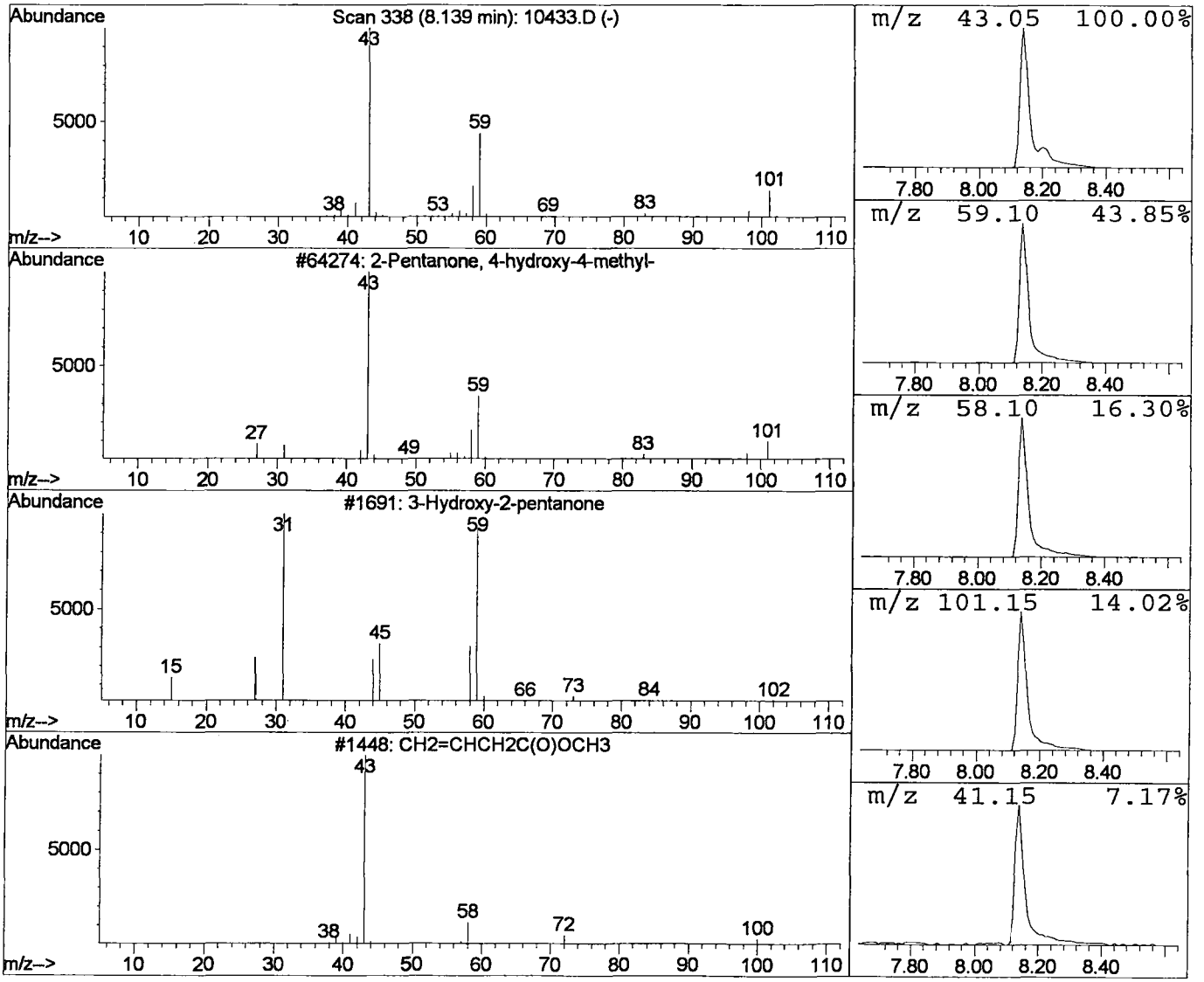
Quant Method : C:\HPCHEM\1\METHODS\GCMS0510.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.14 | 13.37 ug/l | 777141 | 1,4-Dichlorobenzene-d4 | 12.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | 3-Hydroxy-2-pentanone | 102 | C5H10O2 | 003142-66-3 | 9 |
| 3 | CH2=CHCH2C(O)OCH3 | 100 | C5H8O2 | 003724-55-8 | 9 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 7 |



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# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 11 May 2002 6:23 pm
Data File: C:\HPCHEM\1\DATA\MAY1002\10433.D
Name: gc/ms scan 5/2
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0510.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 | 8.14 | 13.4 | ug/l | 777141 | ISTD01 | 12.16 | 2324590 | 40.0 |

10433.D GCMS0510.M Thu May 16 10:50:25 2002