User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 06/06/2002 Time: 14:42:07

Sample: AE12675
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 6/6/02 14:41 Ended: 6/6/02 14:41 Analyst: DLV
Page: 1

| | Component Name | Vol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 84 | | 10.0 |

**Comments for Sample AE12675 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 06-06-2002 Time: 14:42:41

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

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY3102\12675.D Vial: 20
Acq On : 1 Jun 2002 6:41 am Operator: Morgan
Sample : gc/ms scan 5/30 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jun 3 11:39 2002 Quant Results File: GCMS0531.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0531.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri May 31 09:43:55 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0531

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 497156 | 40.00 | ug/l | 0.00 |
| 10) Naphthalene-d8 | 15.70 | 136 | 1983712 | 40.00 | ug/l | -0.02 |
| 17) Acenaphthene-d10 | 20.99 | 164 | 953771 | 40.00 | ug/l | 0.00 |
| 30) Phenanthrene-d10 | 25.43 | 188 | 1449002 | 40.00 | ug/l | 0.00 |
| 38) Chrysene-d12 | 33.48 | 240 | 853336 | 40.00 | ug/l | -0.03 |
| 44) Perylene-d12 | 37.66 | 264 | 551309 | 40.00 | ug/l | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 28) TCMX | 23.13 | 209 | 221908 | 33.63 | ug/L | -0.02 |
| Spiked Amount 40.000 | | | Recovery = 84.08% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitrosodimethylamine | 5.41 | 74 | 417 | N.D. | | |
| 3) bis(2-Chloroethyl)ether | 0.00 | 93 | 0 | N.D. | | |
| 4) 1,3-Dichlorobenzene | 12.08 | 146 | 106 | N.D. | | |
| 5) 1,4-Dichlorobenzene | 12.08 | 146 | 106 | 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 | 0.00 | 77 | 0 | N.D. | | |
| 12) Isophorone | 13.93 | 82 | 325 | 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 | 15.75 | 128 | 945 | 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 | 21.29 | 165 | 174 | N.D. | | |
| 25) Diethylphthalate | 22.48 | 149 | 497 | N.D. | | |
| 26) 4-Chlorophenylphenylether | 23.13 | 204 | 1408 | N.D. | | |
| 27) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 29) Azobenzene | 0.00 | 77 | 0 | N.D. | | |
| 31) N-Nitrosodiphenylamine | 23.14 | 168 | 685 | N.D. | | |
| 32) 4-Bromophenylphenylether | 0.00 | 248 | 0 | N.D. | | |
| 33) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | | |
| 34) Phenanthrene | 25.49 | 178 | 364 | N.D. | | |

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



NYC-WTC_000015018

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY3102\12675.D Vial: 20
Acq On : 1 Jun 2002 6:41 am Operator: Morgan
Sample : gc/ms scan 5/30 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jun 3 11:39 2002 Quant Results File: GCMS0531.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0531.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri May 31 09:43:55 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0531

| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 35) | Anthracene | 25.49 | 178 | 364 | N.D. | |
| 36) | Di-n-butylphthalate | 27.41 | 149 | 19737 | 0.38 ug/l | 99 |
| 37) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 39) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 40) | Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 41) | Benzo(a)anthracene | 33.48 | 228 | 1926 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.71 | 149 | 3921 | N.D. | |
| 43) | Chrysene | 33.48 | 228 | 1926 | N.D. | |
| 45) | Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) | Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 47) | Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 48) | Benzo(a)pyrene | 37.66 | 252 | 1903 | 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



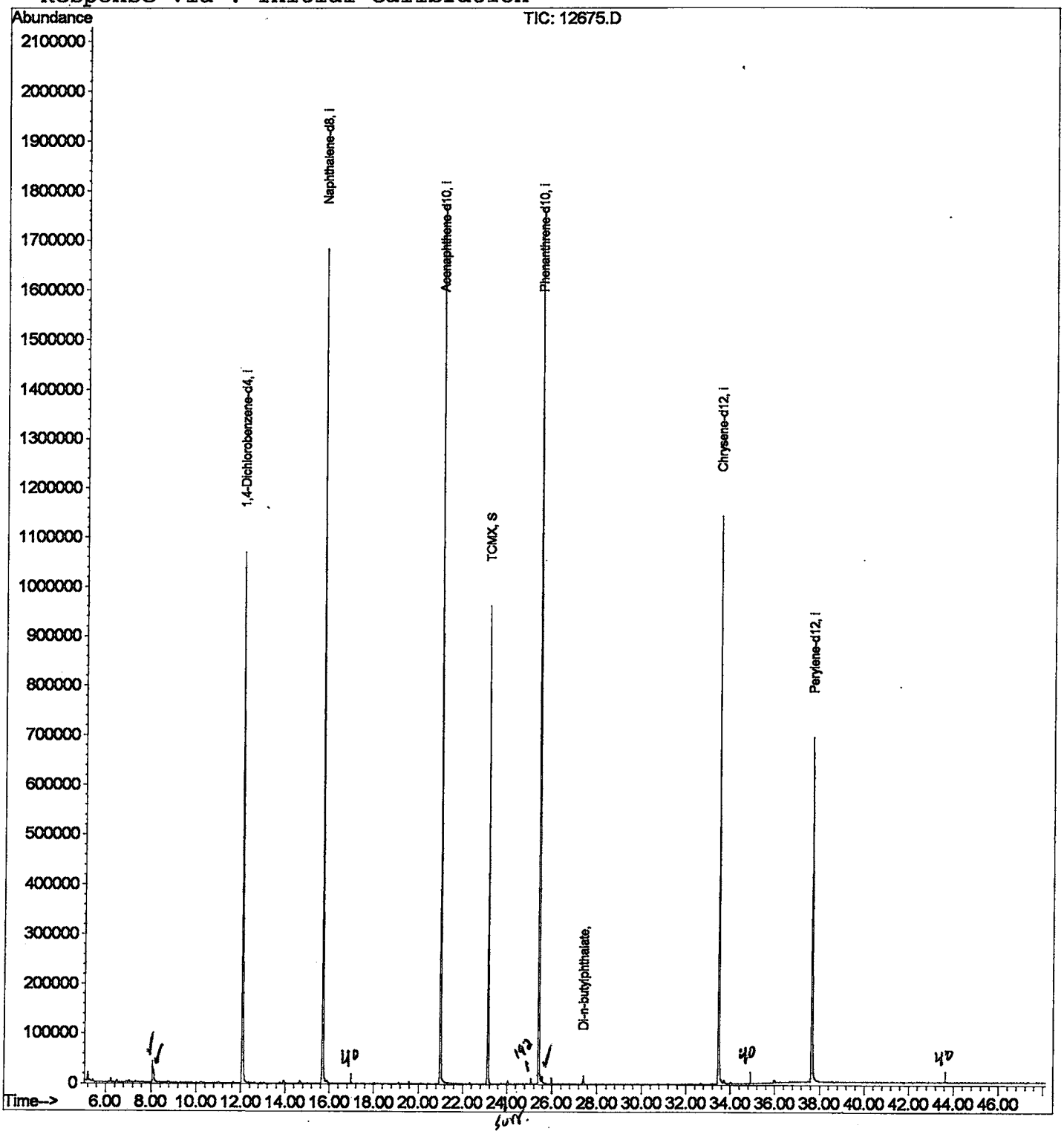
NYC-WTC_000015019

NYC 9/11 Public Portal Document

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAY3102\12675.D  Vial: 20
Acq On : 1 Jun 2002 6:41 am  Operator: Morgan
Sample : gc/ms scan 5/30  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jun 3 11:39 2002  Quant Results File: GCMS0531.RES

Method : C:\HPCHEM\1\METHODS\GCMS0531.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri May 31 09:43:55 2002
Response via : Initial Calibration






NYC-WTC_000015020

NYC 9/11 Public Portal Document

# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAY3102\12675.D  Vial: 20
Acq On : 1 Jun 2002 6:41 am  Operator: Morgan
Sample : gc/ms scan 5/30  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0531.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

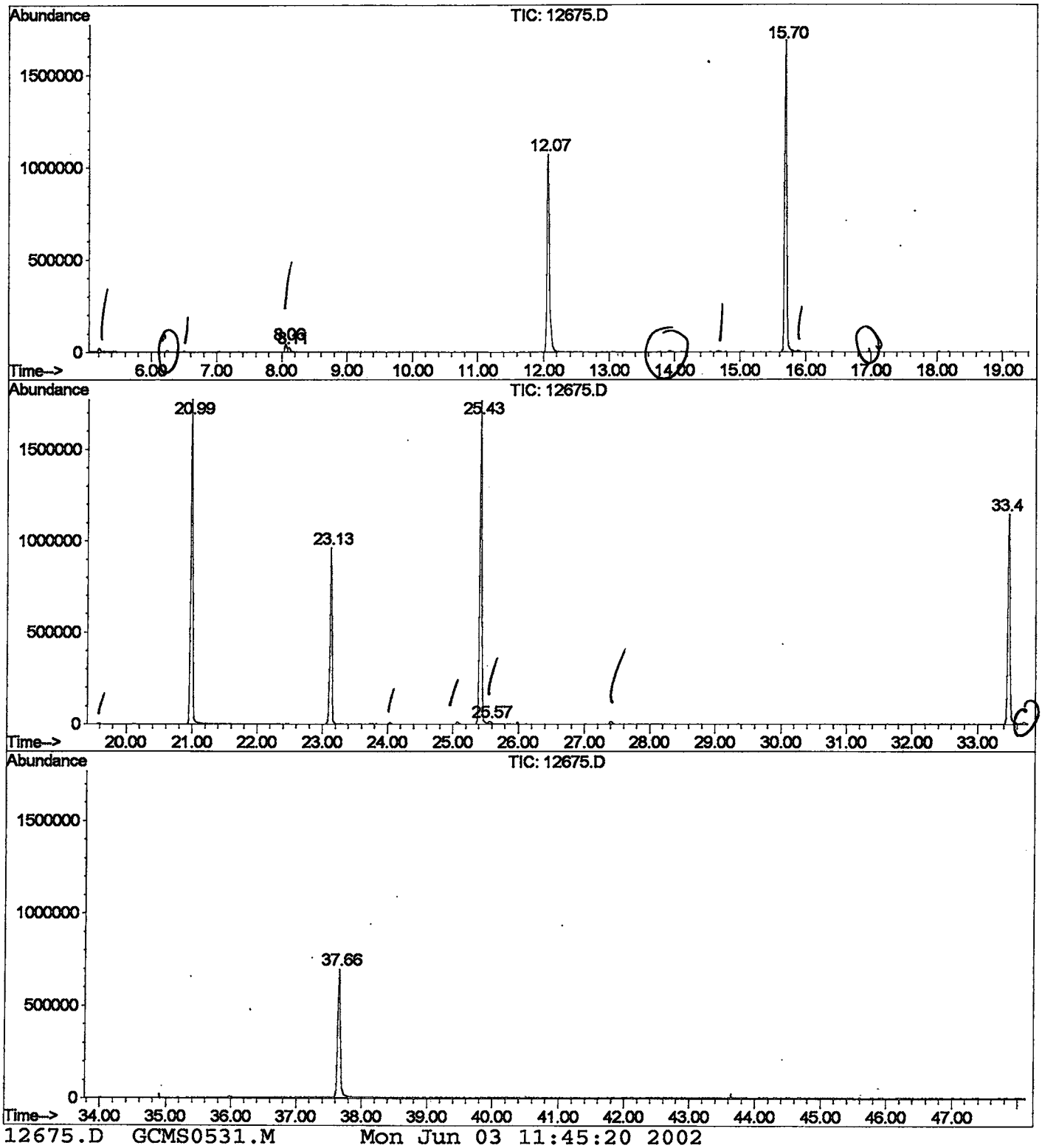
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.058 | 325 | 328 | 331 | rBV | 44728 | 89821 | 2.39% | 0.431% |
| 2 | 8.113 | 331 | 334 | 345 | rVB | 24661 | 65003 | 1.73% | 0.312% |
| 3 | 12.070 | 759 | 765 | 785 | rBV | 1069941 | 2717625 | 72.19% | 13.044% |
| 4 | 15.696 | 1153 | 1160 | 1176 | rBV | 1683072 | 3669130 | 97.47% | 17.611% |
| 5 | 20.993 | 1730 | 1737 | 1753 | rBV | 1772270 | 3764417 | 100.00% | 18.068% |
| 6 | 23.132 | 1961 | 1970 | 1978 | rBV | 961679 | 2045591 | 54.34% | 9.818% |
| 7 | 25.427 | 2213 | 2220 | 2231 | rBV2 | 1765933 | 3738365 | 99.31% | 17.943% |
| 8 | 25.574 | 2231 | 2236 | 2244 | rVB | 14438 | 43096 | 1.14% | 0.207% |
| 9 | 33.478 | 3089 | 3097 | 3110 | rBV2 | 1143480 | 2699743 | 71.72% | 12.958% |
| 10 | 37.655 | 3544 | 3552 | 3566 | rBV2 | 691342 | 2001808 | 53.18% | 9.608% |

Sum of corrected areas: 20834599

12675.D GCMS0531.M Mon Jun 03 11:45:19 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAY3102\12675.D
Operator : Morgan
Acquired : 1 Jun 2002 6:41 am using AcqMethod GCMS0531
Instrument : 209
Sample Name: gc/ms scan 5/30
Misc Info :
Vial Number: 20
Quant File :GCMS0531.RES (RTE Integrator)




12675.D GCMS0531.M Mon Jun 03 11:45:20 2002

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY3102\12675.D
Acq On : 1 Jun 2002 6:41 am
Sample : gc/ms scan 5/30
Misc :
MS Integration Params: LSCINT.P

Vial: 20
Operator: Morgan
Inst : 209
Multiplr: 1.00

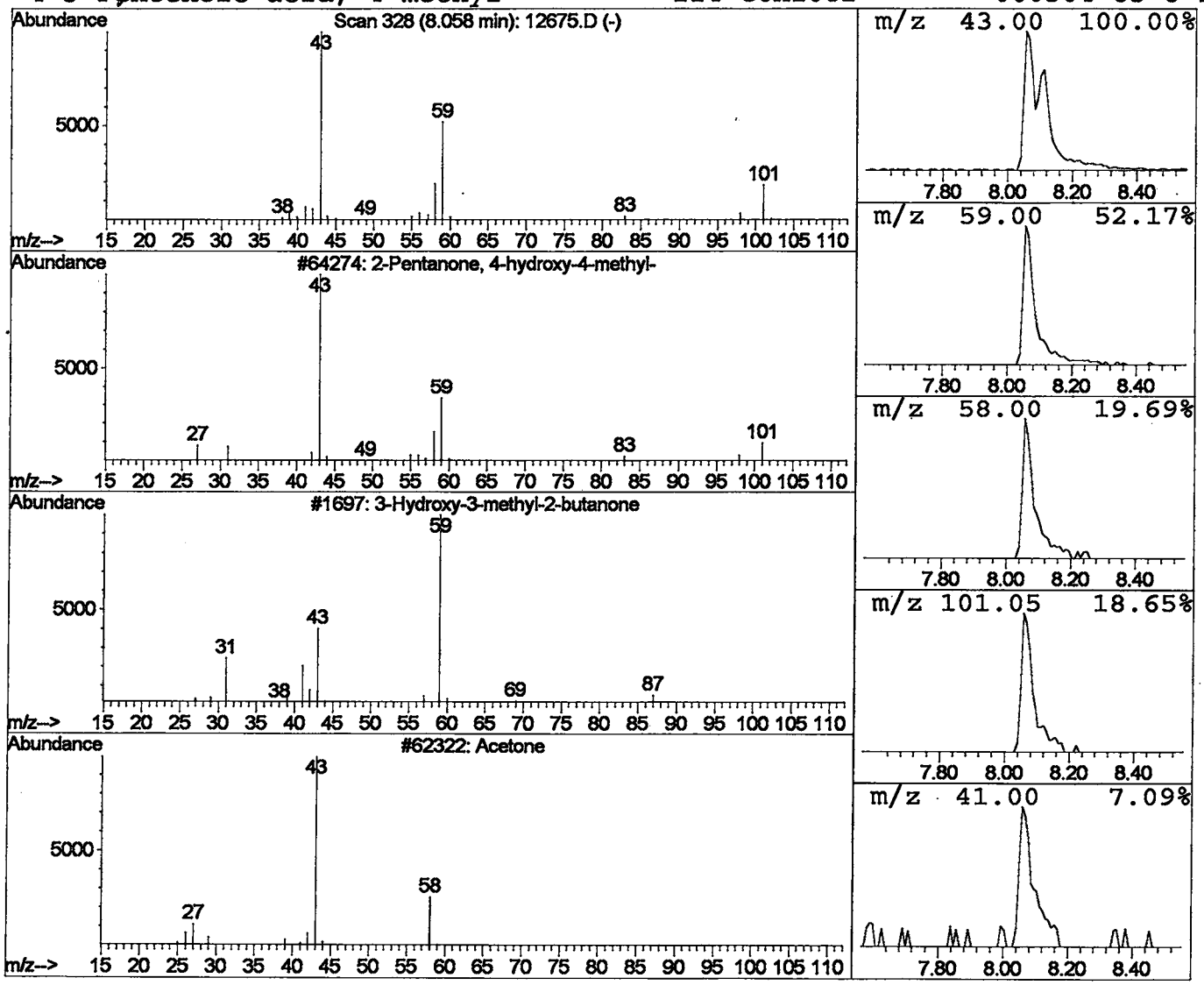
Quant Method : C:\HPCHEM\1\METHODS\GCMS0531.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.06 | 1.32 ug/l | 89821 | 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 | 50 |
| 2 | 3-Hydroxy-3-methyl-2-butanone | 102 | C5H10O2 | 000115-22-0 | 17 |
| 3 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |
| 4 | 3-Pentenoic acid, 4-methyl- | 114 | C6H10O2 | 000504-85-8 | 9 |






NYC-WTC_000015023

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY3102\12675.D
Acq On : 1 Jun 2002 6:41 am
Sample : gc/ms scan 5/30
Misc :
MS Integration Params: LSCINT.P

Vial: 20
Operator: Morgan
Inst : 209
Multiplr: 1.00

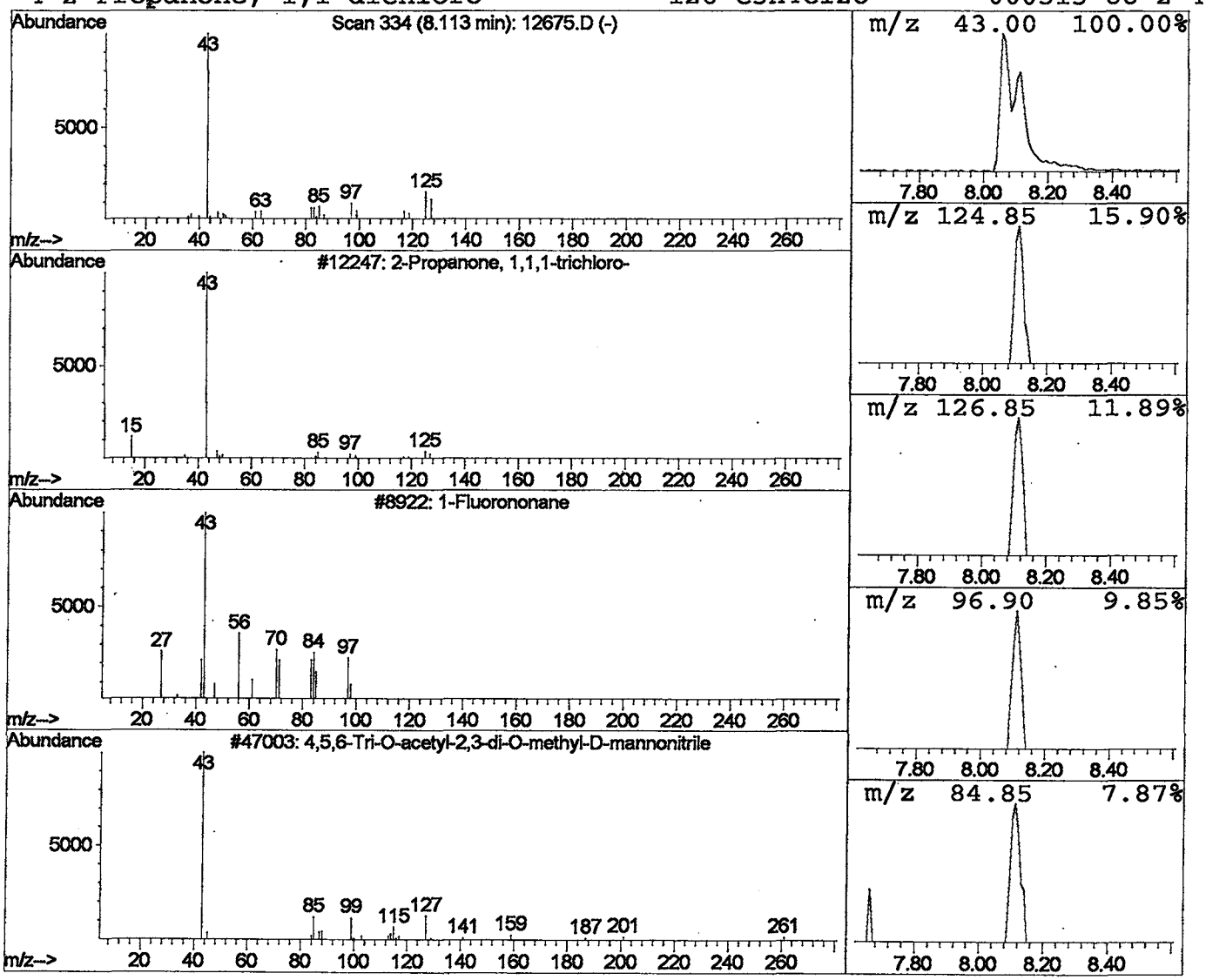
Quant Method : C:\HPCHEM\1\METHODS\GCMS0531.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 2-Propanone, 1,1,1-trichloro- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.11 | 0.96 ug/l | 65003 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanone, 1,1,1-trichloro- | 160 | C3H3Cl3O | 000918-00-3 | 9 |
| 2 | 1-Fluorononane | 146 | C9H19F | 000463-18-3 | 9 |
| 3 | 4,5,6-Tri-O-acetyl-2,3-di-O-methyl- | 331 | C14H21NO8 | 059061-07-3 | 4 |
| 4 | 2-Propanone, 1,1-dichloro- | 126 | C3H4Cl2O | 000513-88-2 | 4 |






NYC-WTC_000015024

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY3102\12675.D  Vial: 20
Acq On : 1 Jun 2002 6:41 am  Operator: Morgan
Sample : gc/ms scan 5/30  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

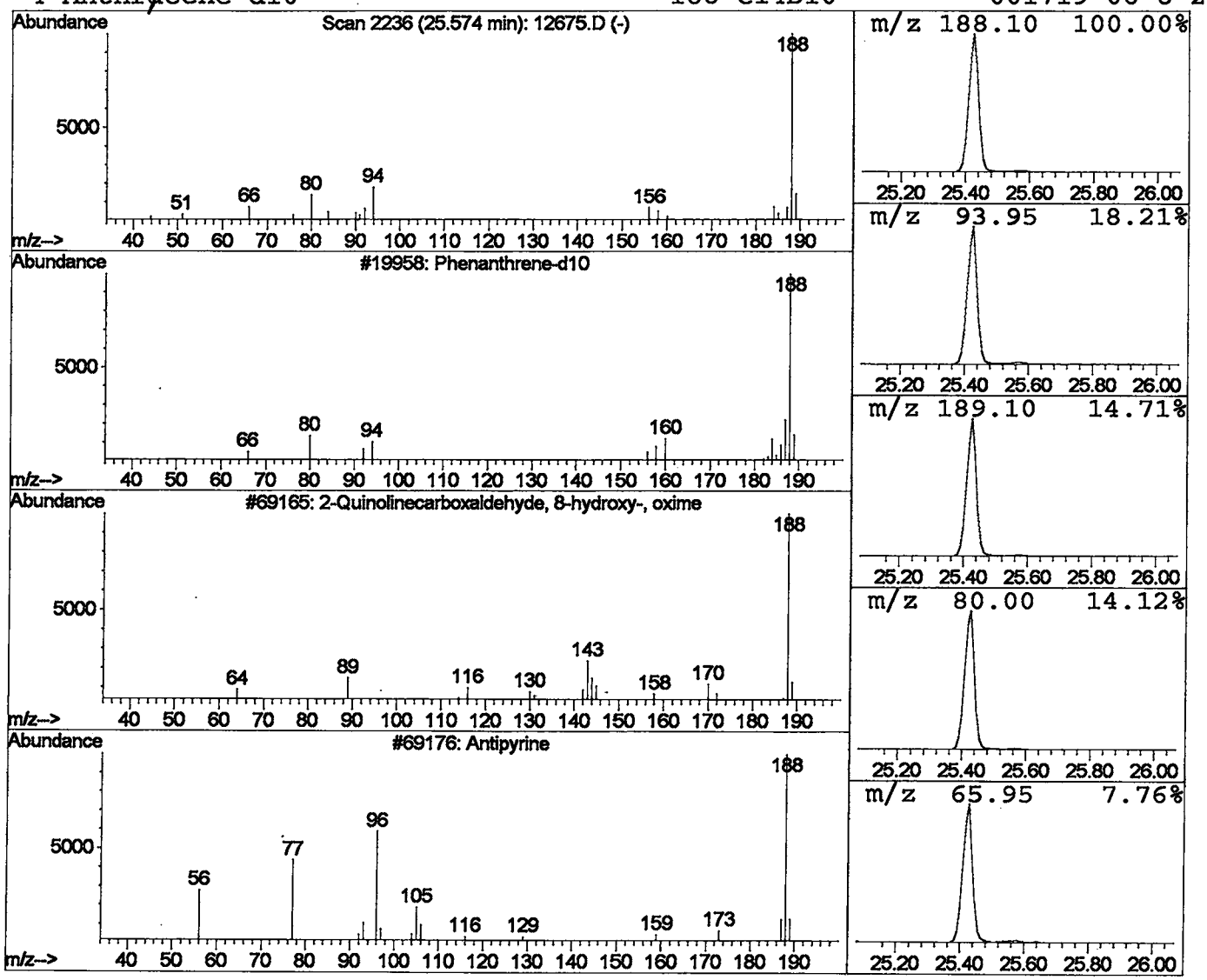
Quant Method : C:\HPCHEM\1\METHODS\GCMS0531.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 Phenanthrene-d10  Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.57 | 0.46 ug/l | 43096 | Phenanthrene-d10 | 25.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene-d10 | 188 | C14D10 | 001517-22-2 | 86 |
| 2 | 2-Quinolinecarboxaldehyde, 8-hydrox | 188 | C10H8N2O2 | 005603-22-5 | 42 |
| 3 | Antipyrine | 188 | C11H12N2O | 000060-80-0 | 33 |
| 4 | Anthracene-d10- | 188 | C14D10 | 001719-06-8 | 28 |






NYC-WTC_000015025

NYC 9/11 Public Portal Document

# Tentatively Identified Compound (LSC) summary

Operator ID: Morgan  Date Acquired: 1 Jun 2002  6:41 am
Data File: C:\HPCHEM\1\DATA\MAY3102\12675.D
Name: gc/ms scan 5/30
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0531.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 | 8.06 | 1.3 | ug/l | 89821 | ISTD01 | 12.07 | 2717630 | 40.0 |
| 2-Propanone, 1,1,1-t | 8.11 | 1.0 | ug/l | 65003 | ISTD01 | 12.07 | 2717630 | 40.0 |
| Phenanthrene-d10 | 25.57 | 0.5 | ug/l | 43096 | ISTD04 | 25.43 | 3738370 | 40.0 |

12675.D  GCMS0531.M  Mon Jun 03 11:45:23 2002