User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/04/2002 Time: 09:09:19

Sample: AE04508
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/4/02 09:09 Ended: 4/4/02 09:09 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 111 | | 5.0 |

**Comments for Sample AE04508 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-04-2002 Time: 09:09:33

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR2102\4508.D Vial: 15
Acq On : 22 Mar 2002 1:06 am Operator:
Sample : gc/ms scan 3/1 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 22 9:35 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 08 08:54:27 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.27 | 152 | 624800 | 20.00 | ug/l | -0.08 |
| 10) Naphthalene-d8 | 15.90 | 136 | 2428829 | 20.00 | ug/l | -0.09 |
| 17) Acenaphthene-d10 | 21.22 | 164 | 1283284 | 20.00 | ug/l | -0.09 |
| 29) Phenanthrene-d10 | 25.66 | 188 | 1938850 | 20.00 | ug/l | -0.10 |
| 38) Chrysene-d12 | 33.72 | 240 | 1235057 | 20.00 | ug/l | -0.12 |
| 44) Perylene-d12 | 37.98 | 264 | 775563 | 20.00 | ug/l | -0.14 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.73 | 235 | 78472 | 5.57 | ug/mL | 0.23 |
| Spiked Amount 5.000 | | | Recovery = 111.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 0.00 | 74 | 0 | 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-Nitroso-di-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 | 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 | 15.96 | 128 | 216 | 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 | 21.51 | 165 | 479 | N.D. | | |
| 25) Diethylphthalate | 22.69 | 149 | 195 | N.D. | | |
| 26) 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | | |
| 27) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 28) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR2102\4508.D Vial: 15
Acq On : 22 Mar 2002 1:06 am Operator:
Sample : gc/ms scan 3/1 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 22 9:35 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 08 08:54:27 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

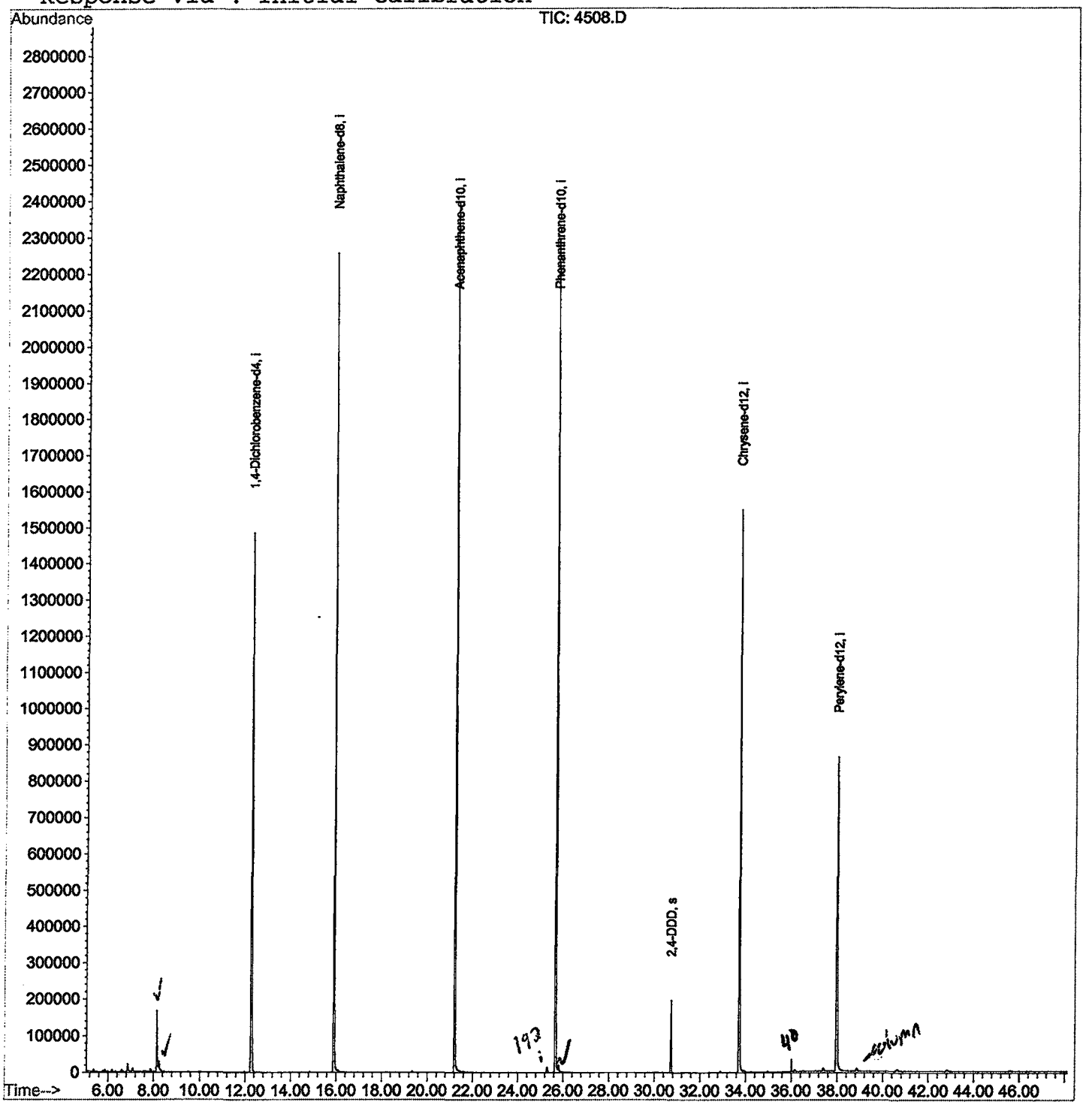
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 30) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) | Phenanthrene | 25.66 | 178 | 559 | N.D. | |
| 34) | Anthracene | 25.66 | 178 | 559 | N.D. | |
| 35) | Di-n-butylphthalate | 27.63 | 149 | 1051 | N.D. | |
| 36) | 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 | 33.72 | 228 | 2706 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.93 | 149 | 1721 | N.D. | |
| 43) | Chrysene | 33.72 | 228 | 2707 | N.D. | |
| 45) | Di-n-Octylphthalate | 35.67 | 149 | 272 | 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 | 37.98 | 252 | 2962 | 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

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2102\4508.D Vial: 15
Acq On : 22 Mar 2002 1:06 am Operator:
Sample : gc/ms scan 3/1 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 22 9:35 2002 Quant Results File: GCMS0308.RES

Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 08 08:54:27 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR2102\4508.D  Vial: 15
Acq On : 22 Mar 2002 1:06 am  Operator:
Sample : gc/ms scan 3/1  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0308.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

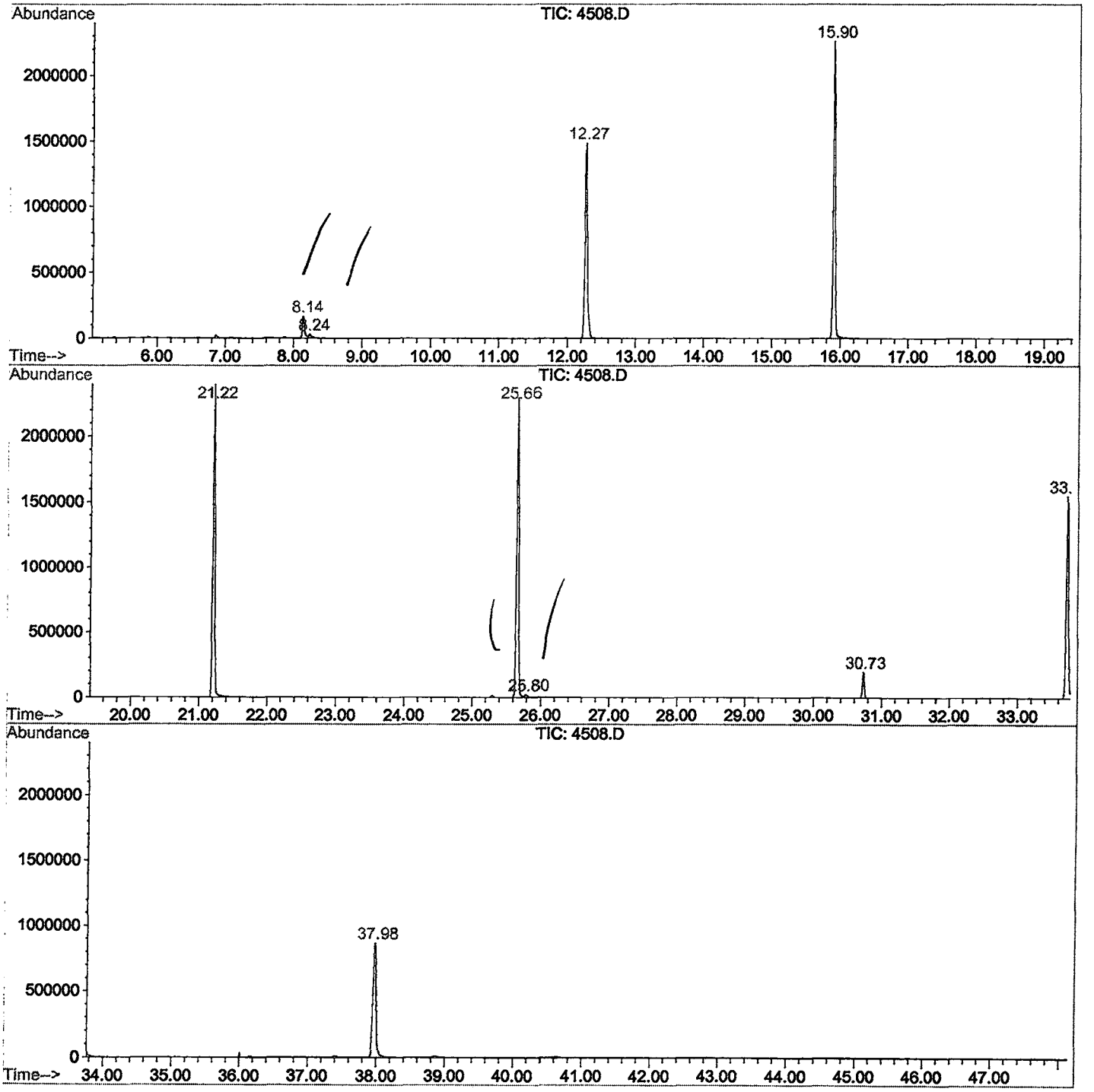
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.137 | 333 | 337 | 345 | rBV | 165871 | 368430 | 7.47% | 1.470% |
| 2 | 8.238 | 345 | 348 | 356 | rVB | 24895 | 60779 | 1.23% | 0.242% |
| 3 | 12.268 | 781 | 787 | 811 | rVB | 1485505 | 3452983 | 70.02% | 13.773% |
| 4 | 15.904 | 1177 | 1183 | 1200 | rBV | 2258266 | 4588723 | 93.05% | 18.303% |
| 5 | 21.219 | 1755 | 1762 | 1772 | rBV | 2398933 | 4931604 | 100.00% | 19.671% |
| 6 | 25.662 | 2239 | 2246 | 2257 | rBV2 | 2296241 | 4897038 | 99.30% | 19.533% |
| 7 | 25.800 | 2257 | 2261 | 2271 | rVB | 19661 | 55027 | 1.12% | 0.219% |
| 8 | 30.730 | 2793 | 2798 | 2804 | rBV | 195951 | 389598 | 7.90% | 1.554% |
| 9 | 33.722 | 3116 | 3124 | 3141 | rBV2 | 1549233 | 3624684 | 73.50% | 14.458% |
| 10 | 37.982 | 3578 | 3588 | 3610 | rBV2 | 862675 | 2702173 | 54.79% | 10.778% |

Sum of corrected areas: 25071039

4508.D GCMS0308.M Fri Mar 22 09:45:45 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR2102\4508.D
Operator :
Acquired : 22 Mar 2002 1:06 am using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/1
Misc Info :
Vial Number: 15
Quant File :GCMS0308.RES (RTE Integrator)




4508.D GCMS0308.M Fri Mar 22 09:45:51 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2102\4508.D  Vial: 15
Acq On : 22 Mar 2002 1:06 am  Operator:
Sample : gc/ms scan 3/1  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

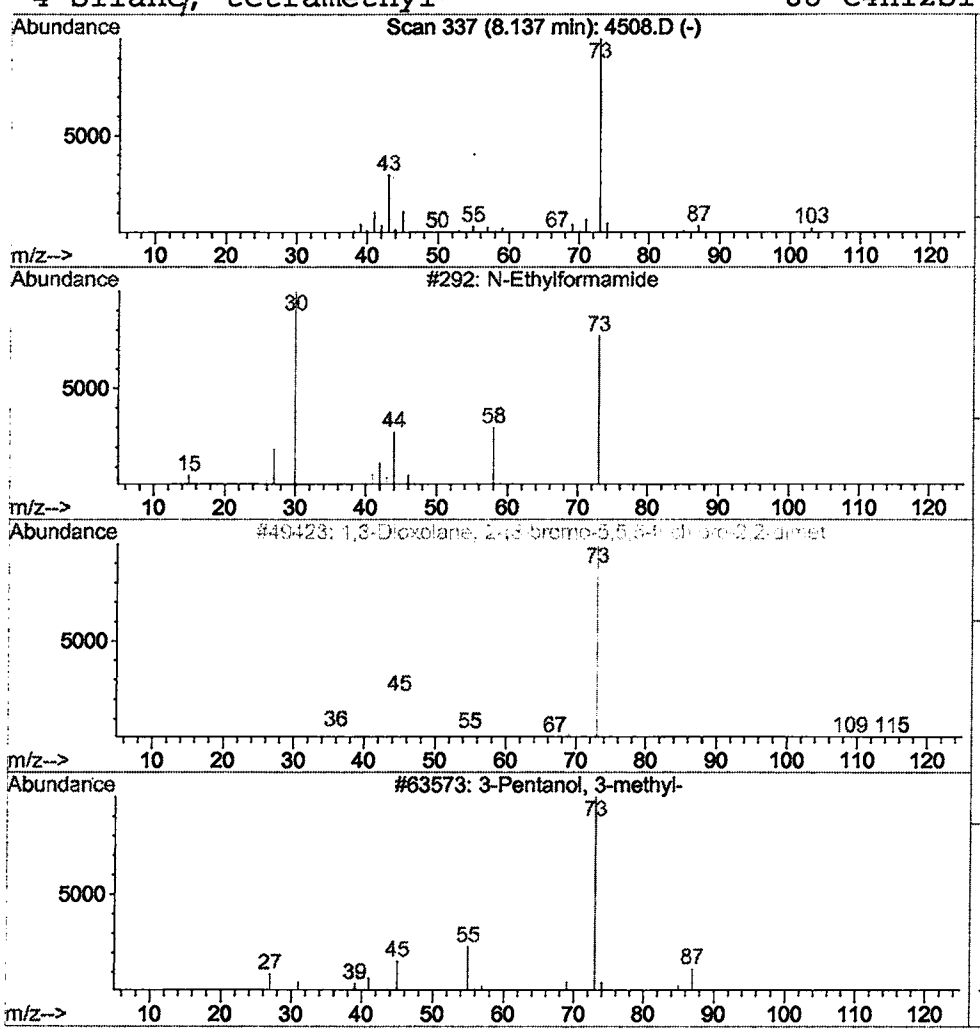
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

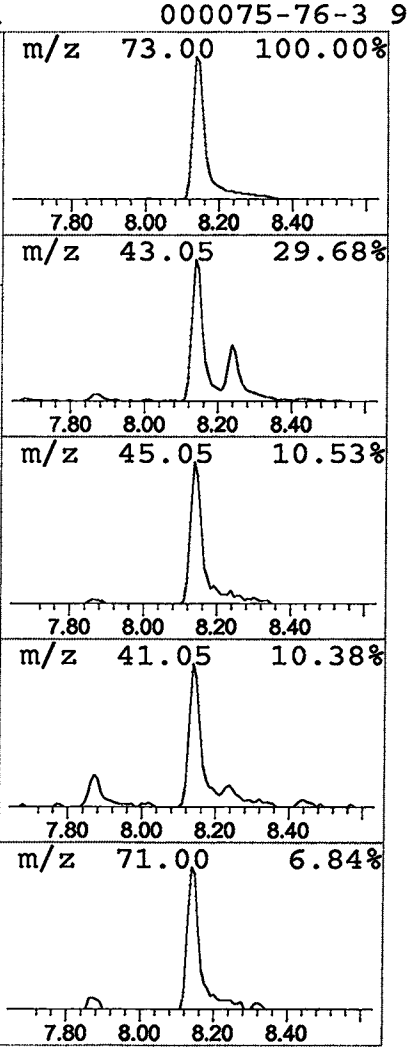
**********

Peak Number 1 N-Ethylformamide  Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.14 | 2.13 ug/l | 368430 | 1,4-Dichlorobenzene-d4 | 12.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 2 | 1,3-Dioxolane, 2-(3-bromo-5,5,5-tri | 352 | C10H16BrCl3O2 | 000000-00-0 | 9 |
| 3 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 9 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2102\4508.D  Vial: 15
Acq On : 22 Mar 2002 1:06 am  Operator:
Sample : gc/ms scan 3/1  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

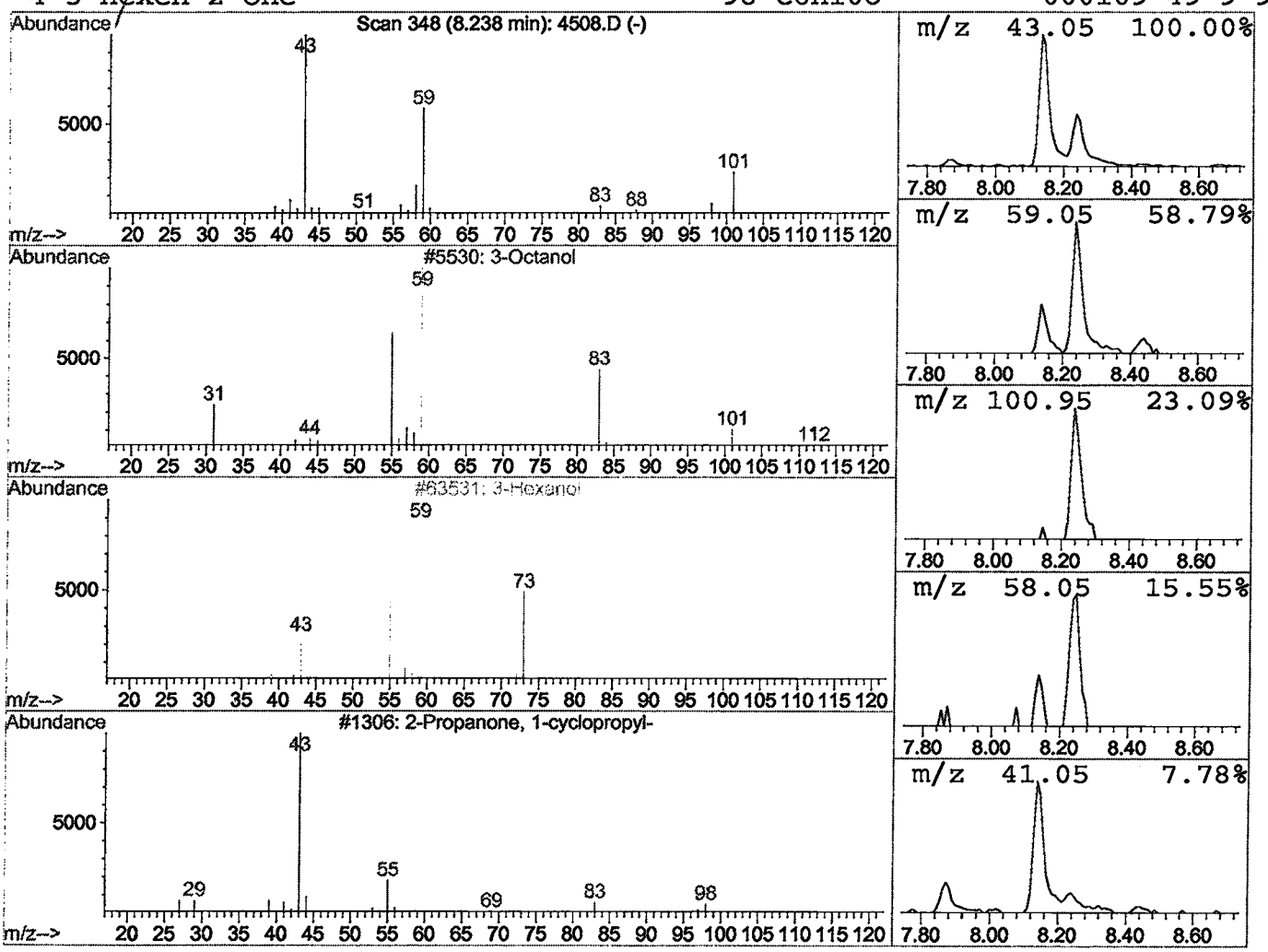
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 3-Octanol  Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.24 | 0.35 ug/l | 60779 | 1,4-Dichlorobenzene-d4 | 12.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Octanol | 130 | C8H18O | 020296-29-1 | 23 |
| 2 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 17 |
| 3 | 2-Propanone, 1-cyclopropyl- | 98 | C6H10O | 004160-75-2 | 9 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2102\4508.D  Vial: 15
Acq On : 22 Mar 2002 1:06 am  Operator:
Sample : gc/ms scan 3/1  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

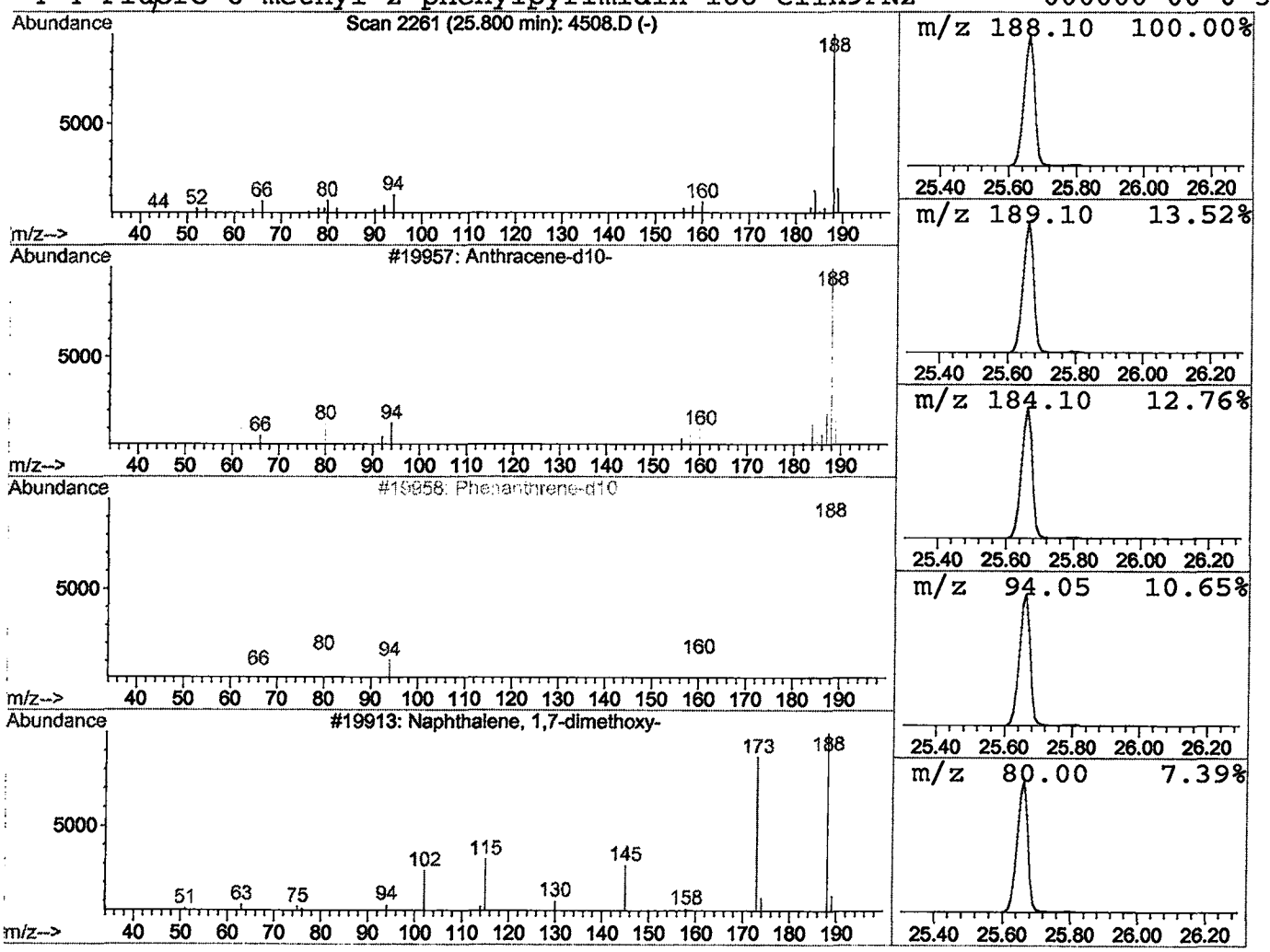
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 Anthracene-d10- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.80 | 0.22 ug/l | 55027 | Phenanthrene-d10 | 25.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene-d10- IS | 188 | C14D10 | 001719-06-8 | 50 |
| 2 | Phenanthrene-d10 | 188 | C14D10 | 001517-22-2 | 40 |
| 3 | Naphthalene, 1,7-dimethoxy- | 188 | C12H12O2 | 005309-18-2 | 38 |
| 4 | 4-Fluoro-6-methyl-2-phenylpyrimidin | 188 | C11H9FN2 | 000000-00-0 | 38 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 22 Mar 2002 1:06 am
Data File: C:\HPCHEM\1\DATA\MAR2102\4508.D
Name: gc/ms scan 3/1
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0308.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 |
|---|---|---|---|---|---|---|---|---|
| N-Ethylformamide | 8.14 | 2.1 | ug/l | 368430 | ISTD01 | 12.27 | 3452980 | 20.0 |
| 3-Octanol | 8.24 | 0.4 | ug/l | 60779 | ISTD01 | 12.27 | 3452980 | 20.0 |
| Anthracene-d10- | 25.80 | 0.2 | ug/l | 55027 | ISTD04 | 25.66 | 4897040 | 20.0 |

4508.D GCMS0308.M Fri Mar 22 09:46:08 2002