User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/02/2002 Time: 11:04:46

Sample: AE04594
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/2/02 11:04 Ended: 4/2/02 11:04 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | | | |
| 2 | Surr_2,4-DDD | | 97 | | 5.0 |

**Comments for Sample AE04594 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-02-2002 Time: 11:04:50

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 5 of the 43 compounds in the LCS Standard were high.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR2602\4594.D Vial: 10
Acq On : 26 Mar 2002 6:37 pm Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 26 19:26 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Mar 26 14:13:06 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.25 | 152 | 554436 | 20.00 ug/l | -0.10 |
| 10) Naphthalene-d8 | 15.89 | 136 | 2114909 | 20.00 ug/l | -0.11 |
| 17) Acenaphthene-d10 | 21.19 | 164 | 1132235 | 20.00 ug/l | -0.12 |
| 29) Phenanthrene-d10 | 25.64 | 188 | 1623561 | 20.00 ug/l | -0.13 |
| 38) Chrysene-d12 | 33.70 | 240 | 814998 | 20.00 ug/l | -0.15 |
| 44) Perylene-d12 | 37.94 | 264 | 447370 | 20.00 ug/l | -0.18 |
| **System Monitoring Compounds** | | | | | |
| 37) 2,4-DDD | 30.71 | 235 | 89983 | ~~6.77~~ 4.87 ug/mL | 0.22 |
| Spiked Amount 5.000 | | | Recovery = | ~~135.40%~~ 97% | |
| **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 | 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 | 21.49 | 165 | 314 | N.D. | |
| 25) Diethylphthalate | 22.67 | 149 | 426 | 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\MAR2602\4594.D Vial: 10
Acq On : 26 Mar 2002 6:37 pm Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 26 19:26 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Mar 26 14:13:06 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

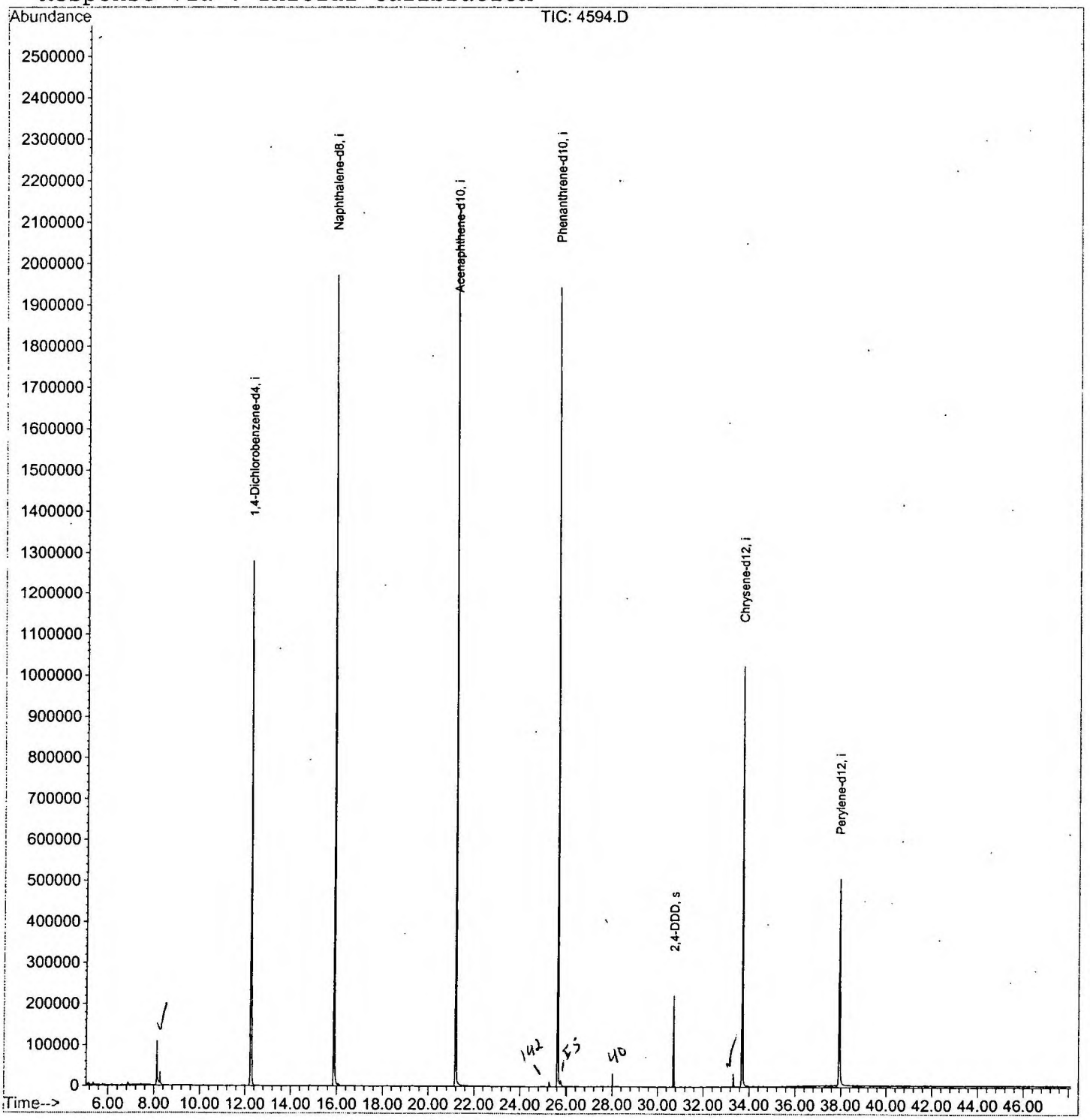
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 30) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) | Phenanthrene | 25.64 | 178 | 436 | N.D. | |
| 34) | Anthracene | 25.70 | 178 | 140 | N.D. | |
| 35) | Di-n-butylphthalate | 27.60 | 149 | 3073 | 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 | 33.69 | 228 | 1844 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.91 | 149 | 1618 | N.D. | |
| 43) | Chrysene | 33.69 | 228 | 1844 | N.D. | |
| 45) | Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) | Benzo(b)fluoranthene | 36.81 | 252 | 196 | N.D. | |
| 47) | Benzo(k)fluoranthene | 36.81 | 252 | 196 | N.D. | |
| 48) | Benzo(a)pyrene | 37.95 | 252 | 1926 | 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\MAR2602\4594.D Vial: 10
Acq On : 26 Mar 2002 6:37 pm Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 26 19:26 2002 Quant Results File: GCMS0308.RES

Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Mar 26 14:13:06 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR2602\4594.D  Vial: 10
Acq On : 26 Mar 2002 6:37 pm  Operator:
Sample : gc/ms scan 3/4  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

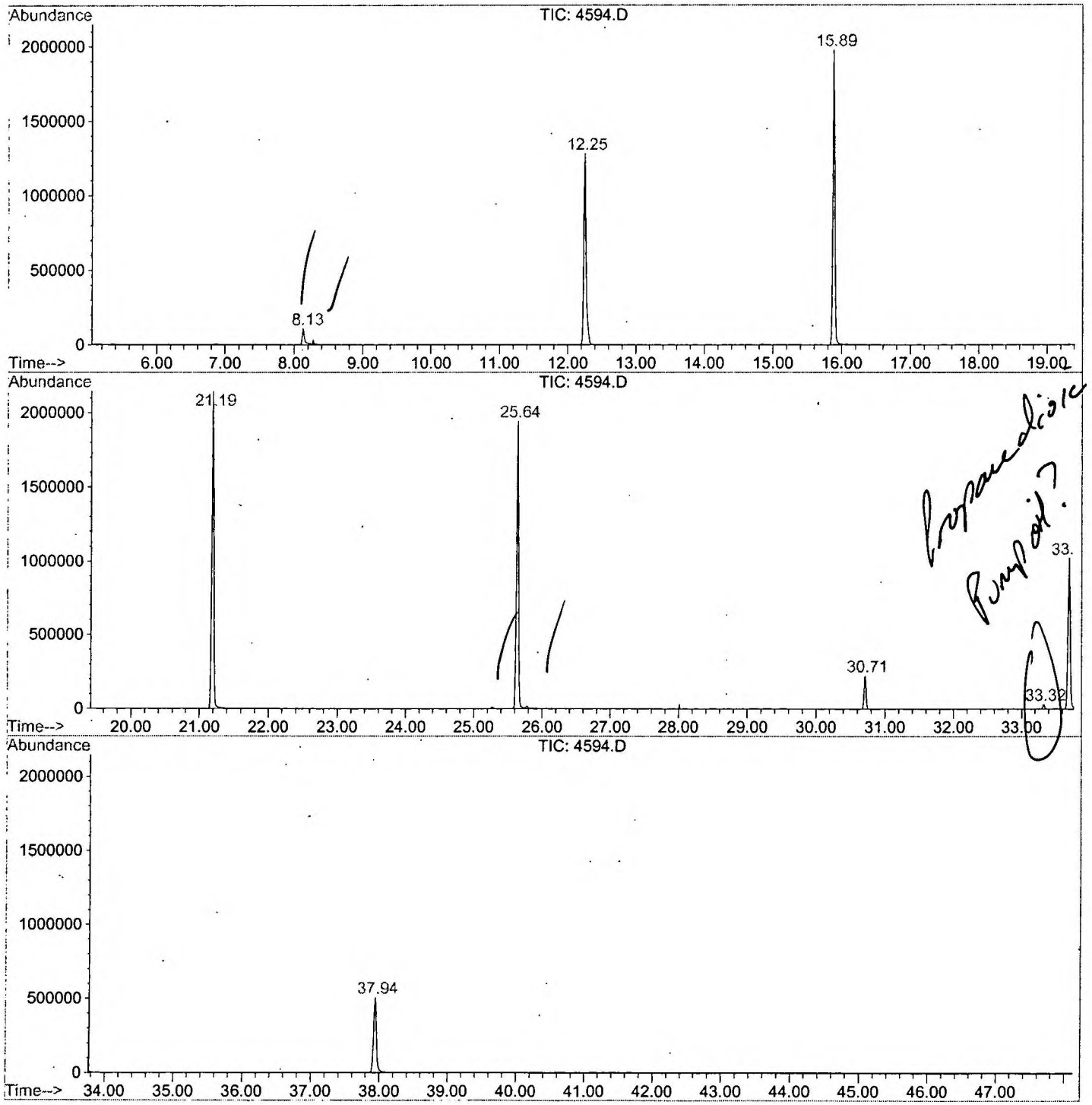
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.130 | 332 | 336 | 350 | rBV | 107979 | 259405 | 5.99% | 1.299% |
| 2 | 12.252 | 779 | 785 | 802 | rVB | 1278728 | 3001035 | 69.34% | 15.027% |
| 3 | 15.888 | 1175 | 1181 | 1198 | rBV | 1972519 | 3978073 | 91.91% | 19.919% |
| 4 | 21.194 | 1752 | 1759 | 1774 | rBV | 2144773 | 4328279 | 100.00% | 21.673% |
| 5 | 25.637 | 2236 | 2243 | 2254 | rBV2 | 1943799 | 4044018 | 93.43% | 20.249% |
| 6 | 30.714 | 2791 | 2796 | 2801 | rBV | 222635 | 441413 | 10.20% | 2.210% |
| 7 | 33.321 | 3076 | 3080 | 3089 | rBV | 31478 | 63650 | 1.47% | 0.319% |
| 8 | 33.697 | 3114 | 3121 | 3138 | rBV2 | 1023952 | 2338350 | 54.02% | 11.709% |
| 9 | 37.939 | 3575 | 3583 | 3598 | rBV2 | 503940 | 1516870 | 35.05% | 7.595% |

Sum of corrected areas: 19971093

4594.D GCMS0308.M Thu Mar 28 16:29:44 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR2602\4594.D
Operator :
Acquired : 26 Mar 2002 6:37 pm using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/4
Misc Info :
Vial Number: 10
Quant File :GCMS0308.RES (RTE Integrator)




4594.D GCMS0308.M Thu Mar 28 16:29:50 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2602\4594.D
Acq On : 26 Mar 2002 6:37 pm
Sample : gc/ms scan 3/4
Misc :
MS Integration Params: LSCINT.P

Vial: 10
Operator:
Inst : GC/MS 209
Multiplr: 1.00

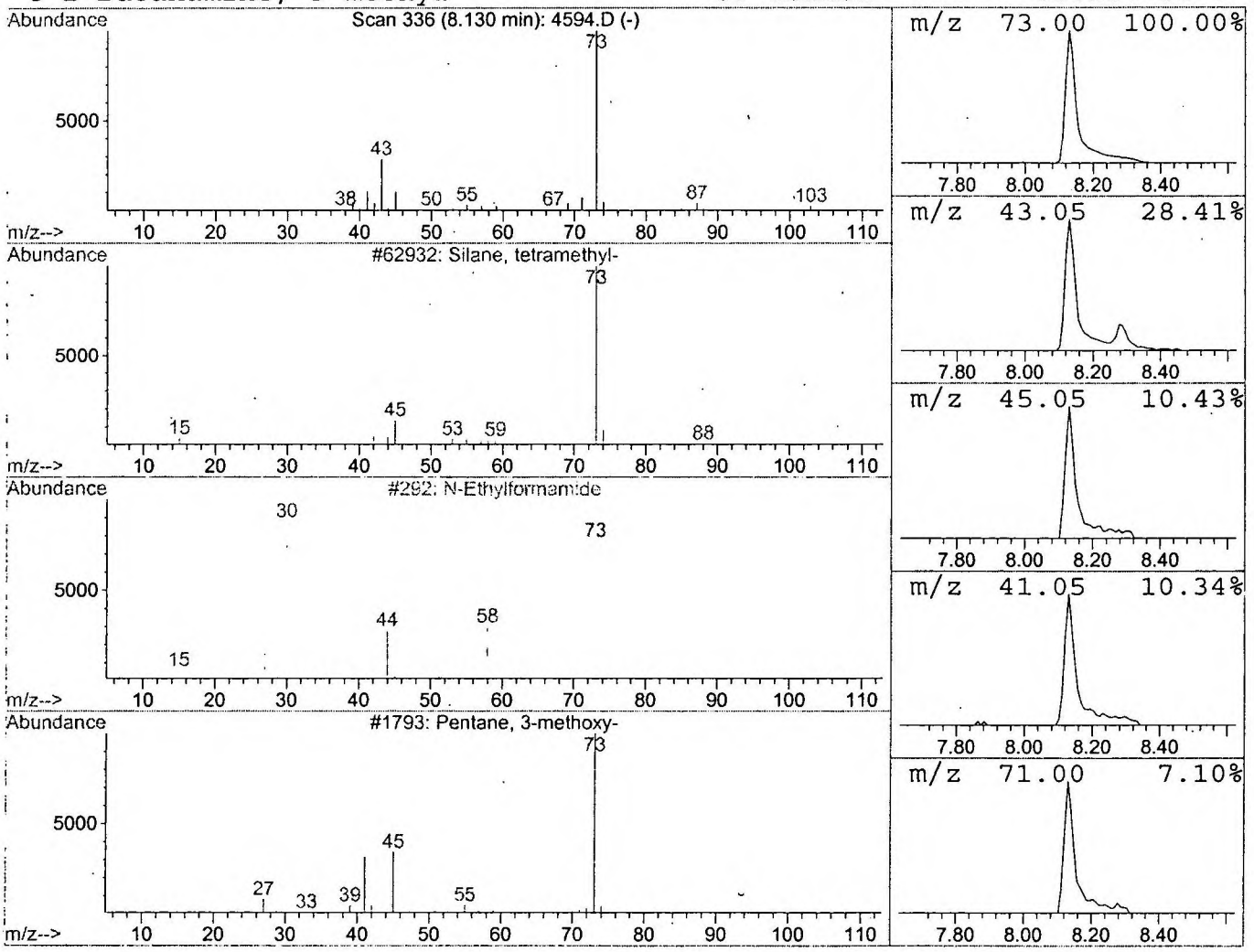
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.13 | 1.73 ug/l | 259405 | 1,4-Dichlorobenzene-d4 | 12.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 47 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |
| 4 | 1-Butanamine, 3-methyl- | 87 | C5H13N | 000107-85-7 | 7 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2602\4594.D  Vial: 10
Acq On : 26 Mar 2002 6:37 pm  Operator:
Sample : gc/ms scan 3/4  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

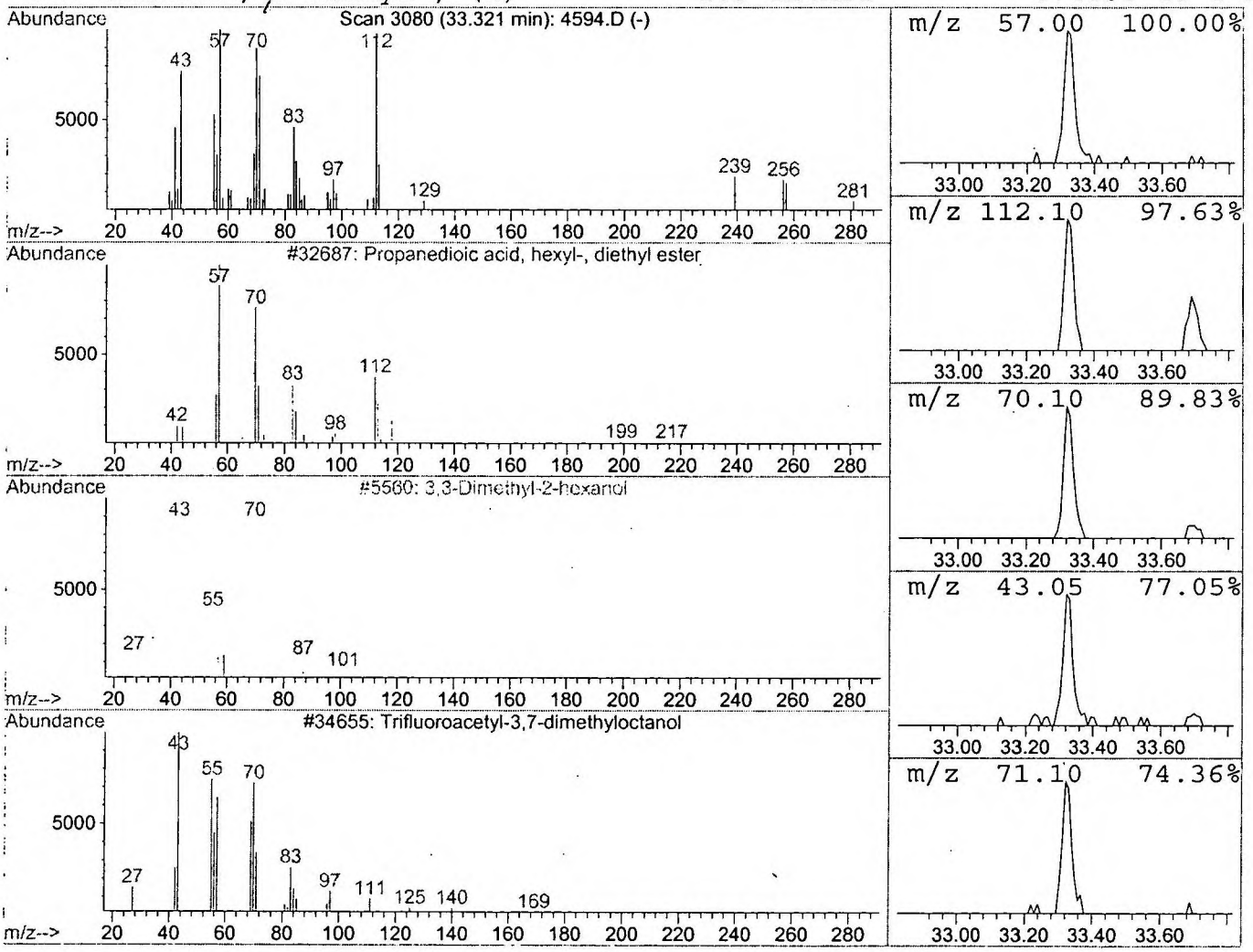
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 Propanedioic acid, hexyl-, die Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 33.32 | 0.54 ug/l | 63650 | Chrysene-d12 | 33.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanedioic acid, hexyl-, diethyl | 244 | C13H24O4 | 005398-10-7 | 38 |
| 2 | 3,3-Dimethyl-2-hexanol | 130 | C8H18O | 022025-20-3 | 35 |
| 3 | Trifluoroacetyl-3,7-dimethyloctanol | 254 | C12H21F3O2 | 000000-00-0 | 32 |
| 4 | 2-Undecene, 9-methyl-, (Z)- | 168 | C12H24 | 074630-45-8 | 22 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 26 Mar 2002 6:37 pm
Data File: C:\HPCHEM\1\DATA\MAR2602\4594.D
Name: gc/ms scan 3/4
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 |
|---|---|---|---|---|---|---|---|---|
| Silane, tetramethyl- | 8.13 | 1.7 | ug/l | 259405 | ISTD01 | 12.25 | 3001040 | 20.0 |
| Propanedioic acid, h | 33.32 | 0.5 | ug/l | 63650 | ISTD05 | 33.70 | 2338350 | 20.0 |

4594.D GCMS0308.M Thu Mar 28 16:30:03 2002