User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/11/2002 Time: 08:40:00

Sample: AE05746
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/11/02 08:39 Ended: 4/11/02 08:39 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 110 | | 5.0 |

**Comments for Sample AE05746 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-11-2002 Time: 08:40:05

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recovery for 1 of the 43 compounds in the LCS Standard was low.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR0102\5746.D Vial: 25
Acq On : 3 Apr 2002 12:59 am Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 3 1:48 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 29 10:31:28 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 | 514524 | 20.00 | ug/l | -0.10 |
| 10) Naphthalene-d8 | 15.88 | 136 | 1916732 | 20.00 | ug/l | -0.11 |
| 17) Acenaphthene-d10 | 21.19 | 164 | 1079567 | 20.00 | ug/l | -0.12 |
| 29) Phenanthrene-d10 | 25.63 | 188 | 1522193 | 20.00 | ug/l | -0.13 |
| 38) Chrysene-d12 | 33.69 | 240 | 739010 | 20.00 | ug/l | -0.15 |
| 44) Perylene-d12 | 37.93 | 264 | 408728 | 20.00 | ug/l | -0.19 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.71 | 235 | 83837 | 5.49 | ug/mL | 0.21 |
| Spiked Amount 5.000 | | | Recovery = 109.80% | | | |
| **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 | 15.93 | 128 | 356 | 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 | 22.67 | 149 | 1047 | 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\APR0102\5746.D Vial: 25
Acq On : 3 Apr 2002 12:59 am Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 3 1:48 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 29 10:31:28 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

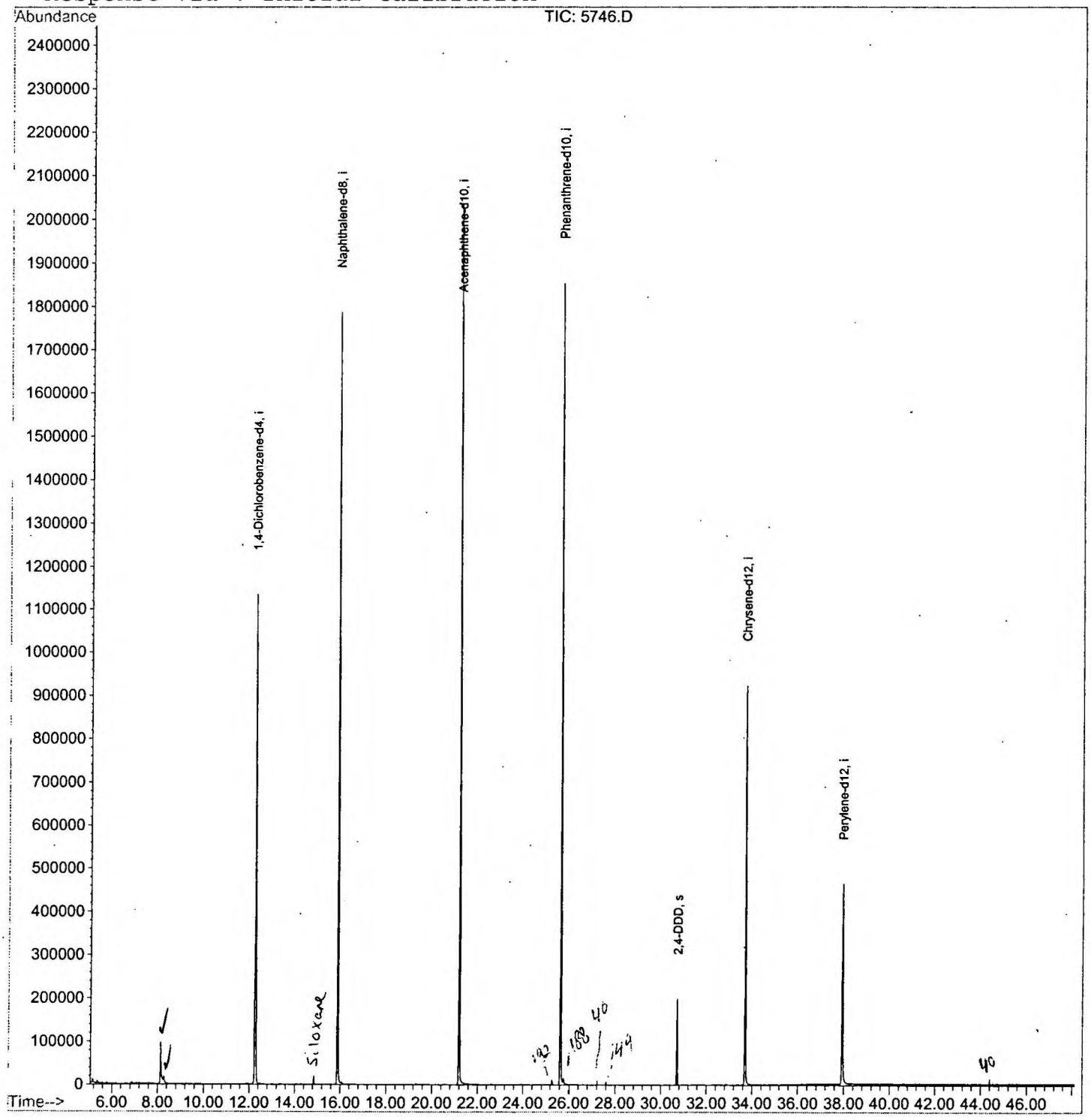
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 30) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) | Phenanthrene | 25.63 | 178 | 357 | N.D. | |
| 34) | Anthracene | 25.63 | 178 | 357 | N.D. | |
| 35) | Di-n-butylphthalate | 27.60 | 149 | 8587 | 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 | 1674 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.90 | 149 | 1118 | N.D. | |
| 43) | Chrysene | 33.69 | 228 | 1674 | N.D. | |
| 45) | Di-n-Octylphthalate | 35.64 | 149 | 287 | N.D. | |
| 46) | Benzo(b)fluoranthene | 36.74 | 252 | 995 | N.D. | |
| 47) | Benzo(k)fluoranthene | 36.81 | 252 | 1293 | N.D. | |
| 48) | Benzo(a)pyrene | 37.74 | 252 | 307 | 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\APR0102\5746.D Vial: 25
Acq On : 3 Apr 2002 12:59 am Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 3 1:48 2002 Quant Results File: GCMS0308.RES

Method : C:\HPCHEM\1\METHODS\GCMS0403.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Apr 05 08:33:02 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR0102\5746.D  Vial: 25
Acq On : 3 Apr 2002 12:59 am  Operator:
Sample : gc/ms scan 3/12  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0403.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

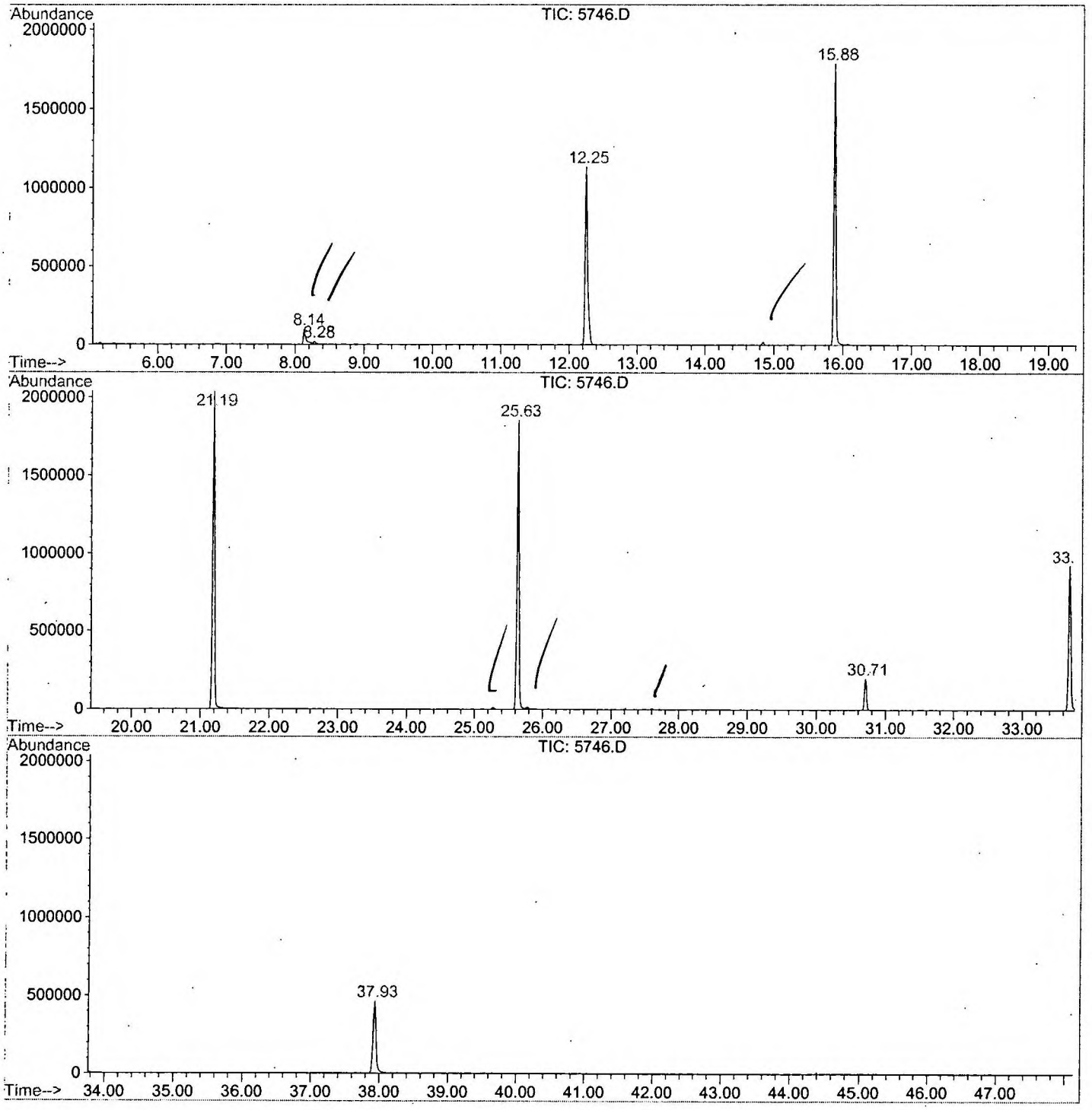
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.136 | 332 | 337 | 350 | rBV | 95953 | 270213 | 6.56% | 1.451% |
| 2 | 8.282 | 350 | 353 | 361 | rVB | 16983 | 41514 | 1.01% | 0.223% |
| 3 | 12.248 | 779 | 785 | 799 | rVB | 1132630 | 2790083 | 67.78% | 14.984% |
| 4 | 15.884 | 1175 | 1181 | 1195 | rBV | 1786514 | 3632343 | 88.24% | 19.507% |
| 5 | 21.190 | 1752 | 1759 | 1777 | rBV | 2037331 | 4116602 | 100.00% | 22.108% |
| 6 | 25.633 | 2236 | 2243 | 2254 | rBV2 | 1854327 | 3824087 | 92.89% | 20.537% |
| 7 | 30.710 | 2790 | 2796 | 2801 | rBV | 198940 | 408436 | 9.92% | 2.193% |
| 8 | 33.694 | 3114 | 3121 | 3137 | rBV2 | 923862 | 2153879 | 52.32% | 11.567% |
| 9 | 37.935 | 3575 | 3583 | 3596 | rBV2 | 463015 | 1383421 | 33.61% | 7.430% |

Sum of corrected areas: 18620578

5746.D GCMS0403.M Fri Apr 05 10:38:22 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR0102\5746.D
Operator :
Acquired : 3 Apr 2002 12:59 am using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/12
Misc Info :
Vial Number: 25
Quant File :GCMS0308.RES (RTE Integrator)




5746.D GCMS0403.M Fri Apr 05 10:38:27 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0102\5746.D  Vial: 25
Acq On : 3 Apr 2002 12:59 am  Operator:
Sample : gc/ms scan 3/12  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

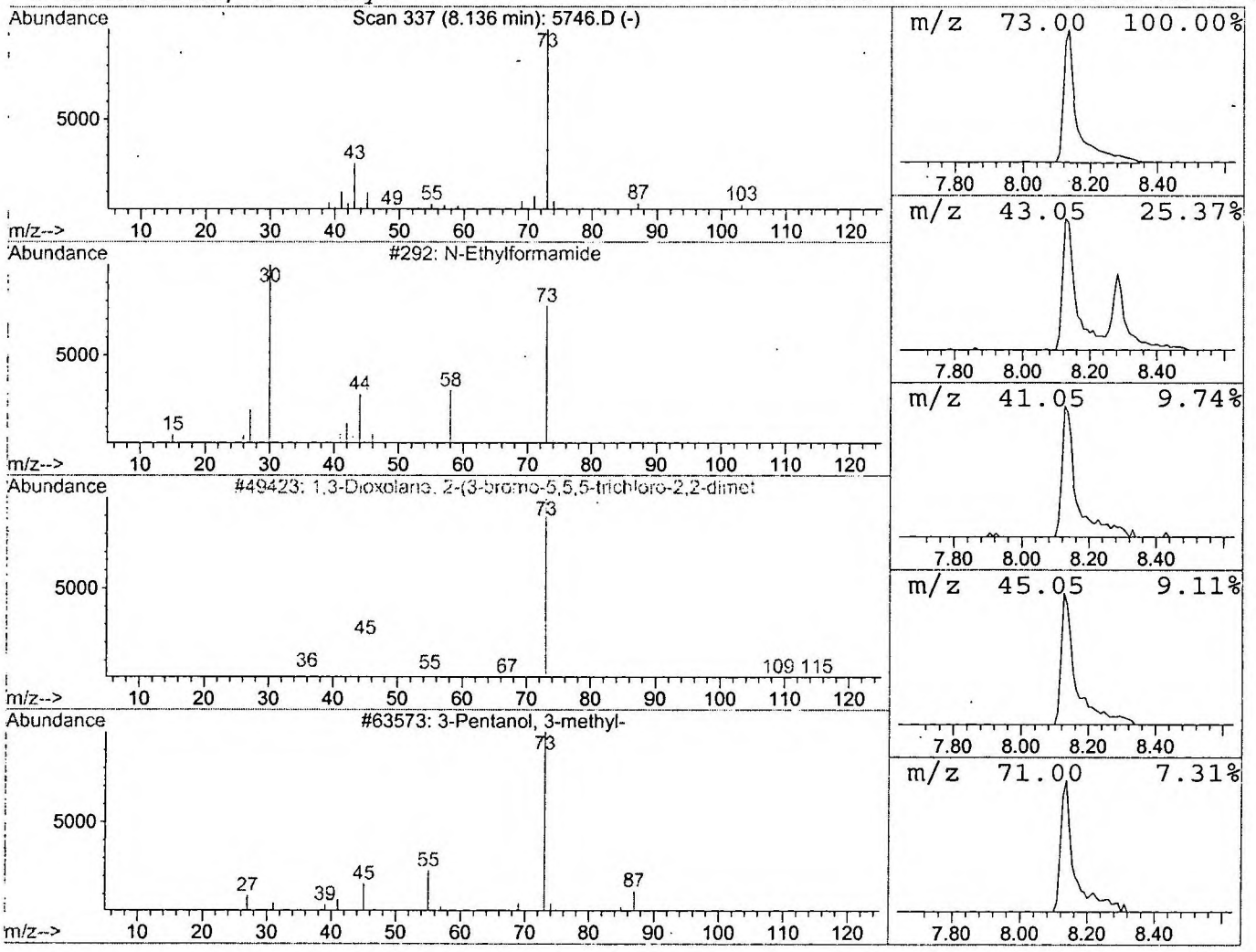
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 N-Ethylformamide  Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.14 | 1.94 ug/l | 270213 | 1,4-Dichlorobenzene-d4 | 12.25 |

| 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 | Acetamide, N-methyl- | 73 | C3H7NO | 000079-16-3 | 7 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0102\5746.D  Vial: 25
Acq On : 3 Apr 2002 12:59 am  Operator:
Sample : gc/ms scan 3/12  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

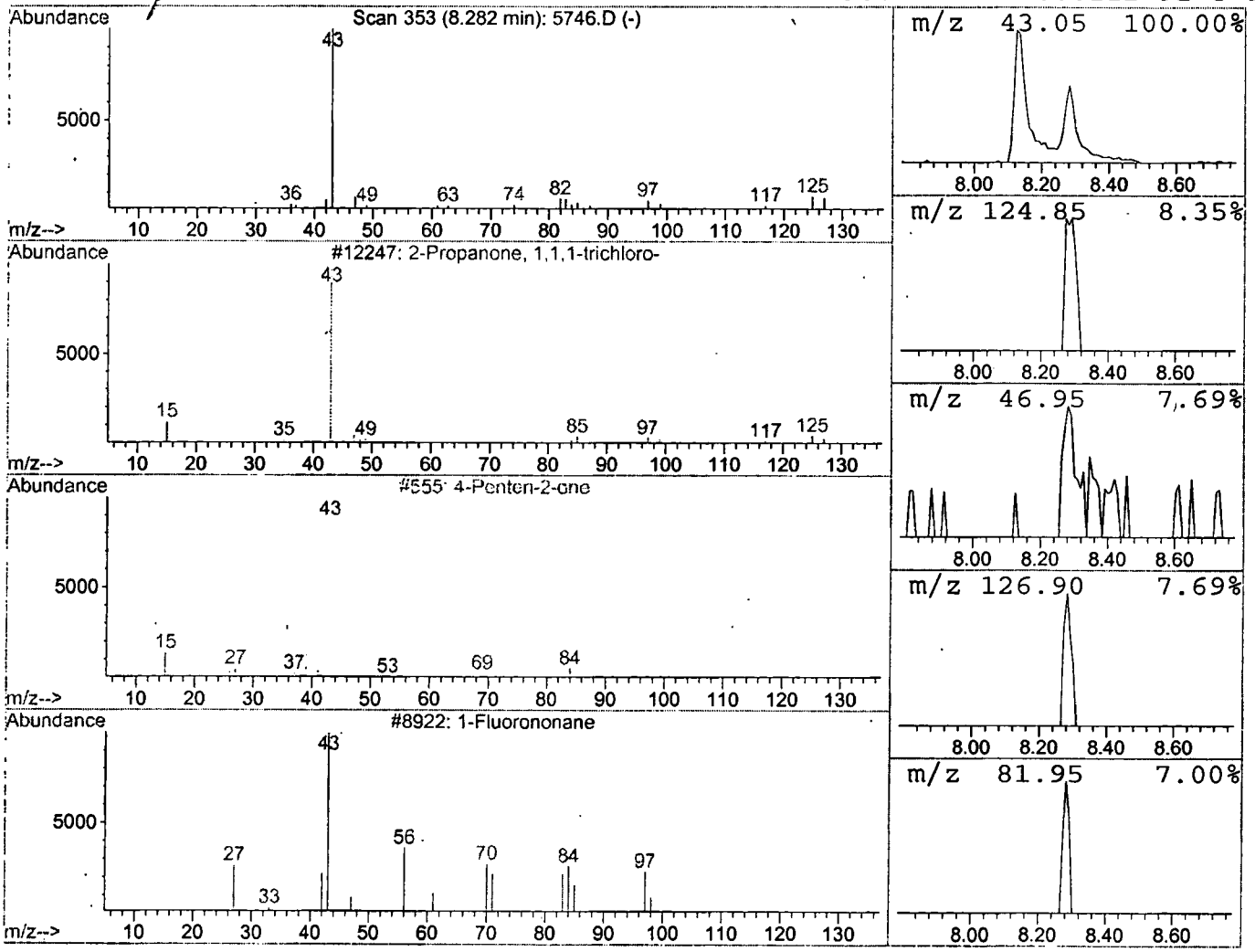
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.28 | 0.30 ug/l | 41514 | 1,4-Dichlorobenzene-d4 | 12.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanone, 1,1,1-trichloro- | 160 | C3H3Cl3O | 000918-00-3 | 64 |
| 2 | 4-Penten-2-one | 84 | C5H8O | 013891-87-7 | 9 |
| 3 | 1-Fluorononane | 146 | C9H19F | 000463-18-3 | 9 |
| 4 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 9 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 3 Apr 2002 12:59 am
Data File: C:\HPCHEM\1\DATA\APR0102\5746.D
Name: gc/ms scan 3/12
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 | 1.9 | ug/l | 270213 | ISTD01 | 12.25 | 2790080 | 20.0 |
| 2-Propanone, 1,1,1-t | 8.28 | 0.3 | ug/l | 41514 | ISTD01 | 12.25 | 2790080 | 20.0 |

5746.D GCMS0403.M Fri Apr 05 10:38:40 2002