User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/08/2002 Time: 14:28:15

Sample: AD26830
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/11/01 16:38 Ended: 12/11/01 16:38 Analyst: MG
Result source: manual entry
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 85 | | 5.0 |

**Comments for Sample AD26830 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-08-2002 Time: 14:28:39

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds. A reanalysis confirms these results.

Quantitation Report (QT Reviewed)

Data File : M:\INSTRU~1\209\DATA\DEC2101\26830.D Vial: 22
Acq On : 23 Dec 2001 5:14 am Operator: 209 GALOS
Sample : gc/ms scan 12/17 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 29 11:24 2002 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Jan 25 15:57:52 2002
Response via : Initial Calibration
DataAcq Meth : GCMS1126

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.67 | 152 | 764793 | 20.00 | ug/l | -0.03 |
| 10) Naphthalene-d8 | 15.27 | 136 | 2914718 | 20.00 | ug/l | -0.03 |
| 17) Acenaphthene-d10 | 20.55 | 164 | 1432243 | 20.00 | ug/l | -0.02 |
| 29) Phenanthrene-d10 | 24.98 | 188 | 2076798 | 20.00 | ug/l | -0.01 |
| 38) Chrysene-d12 | 33.01 | 240 | 1157106 | 20.00 | ug/l | -0.02 |
| 44) Perylene-d12 | 37.10 | 264 | 665709 | 20.00 | ug/l | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.05 | 235 | 96620 | 4.23 | ug/mL | -0.02 |
| Spiked Amount 5.000 | | | Recovery = 84.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 5.12 | 74 | 577 | 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 | 15.34 | 128 | 924 | 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 | 20.98 | 165 | 503 | N.D. | | |
| 25) Diethylphthalate | 0.00 | 149 | 0 | 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 : M:\INSTRU~1\209\DATA\DEC2101\26830.D Vial: 22
Acq On : 23 Dec 2001 5:14 am Operator: 209 GALOS
Sample : gc/ms scan 12/17 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 29 11:24 2002 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Jan 25 15:57:52 2002
Response via : Initial Calibration
DataAcq Meth : GCMS1126

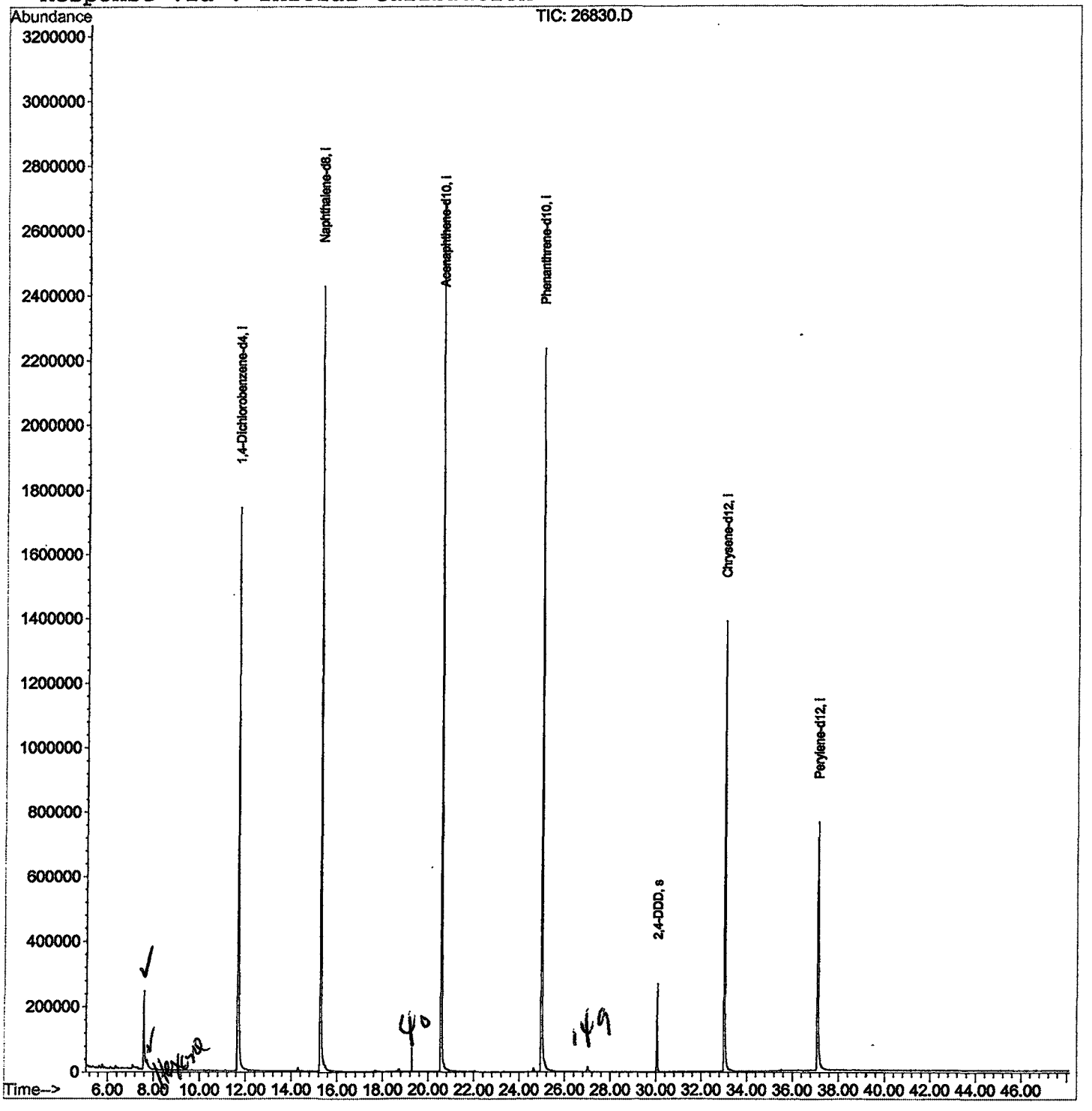
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 30) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) | Phenanthrene | 25.04 | 178 | 560 | N.D. | |
| 34) | Anthracene | 25.04 | 178 | 560 | N.D. | |
| 35) | Di-n-butylphthalate | 27.01 | 149 | 29443 | 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 | 33.01 | 228 | 2703 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.30 | 149 | 1534 | N.D. | |
| 43) | Chrysene | 33.08 | 228 | 103 | 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 | 37.10 | 252 | 2669 | 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 : M:\INSTRU~1\209\DATA\DEC2101\26830.D Vial: 22
Acq On : 23 Dec 2001 5:14 am Operator: 209 GALOS
Sample : gc/ms scan 12/17 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 29 11:24 2002 Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Jan 25 15:57:52 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : M:\INSTRU~1\209\DATA\DEC2101\26830.D  Vial: 22
Acq On : 23 Dec 2001 5:14 am  Operator: 209 GALOS
Sample : gc/ms scan 12/17  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS1126.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

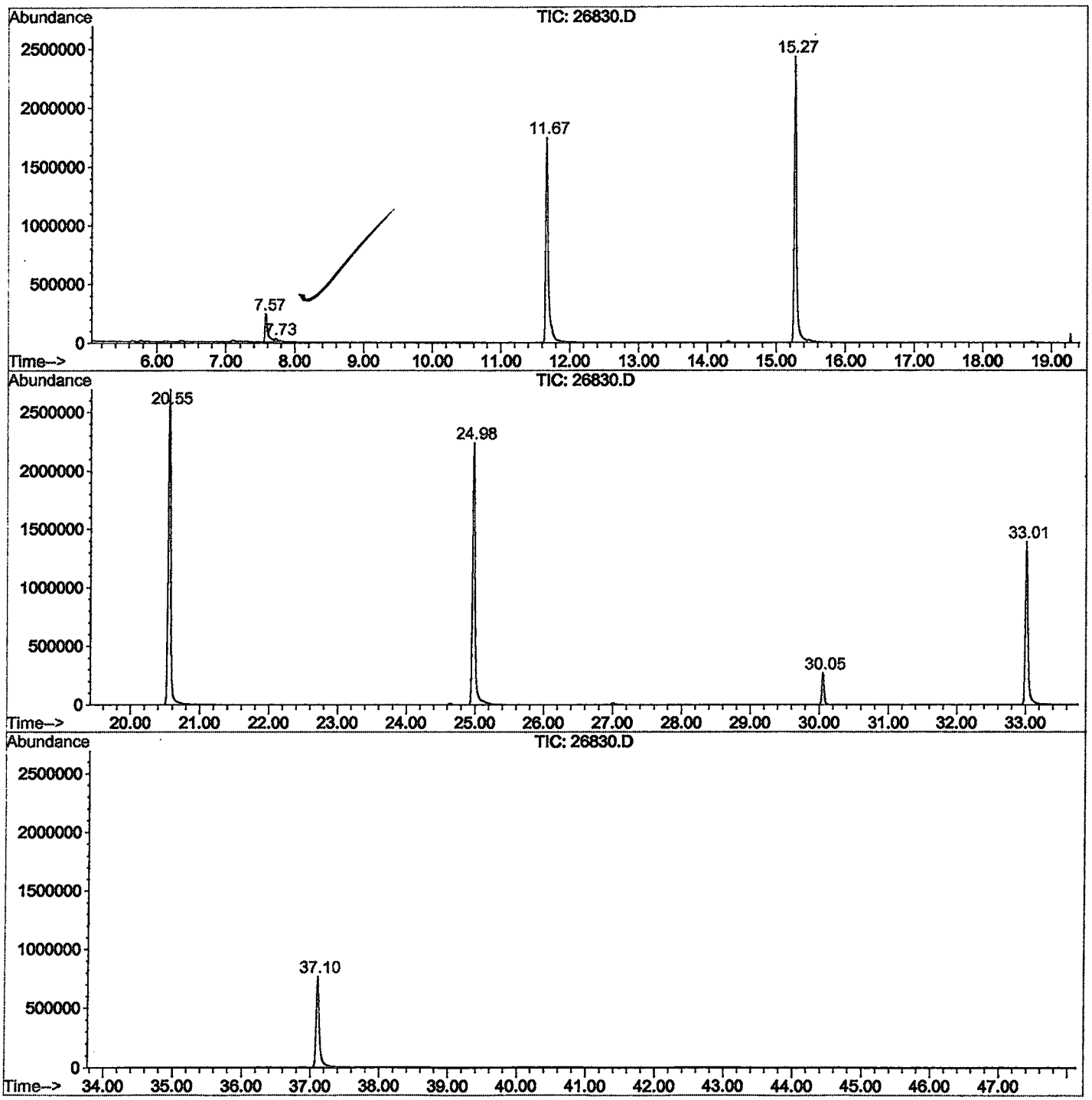
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.572 | 271 | 275 | 288 | rBV | 239819 | 686671 | 11.12% | 2.315% |
| 2 | 7.728 | 289 | 292 | 301 | rVB | 23981 | 75551 | 1.22% | 0.255% |
| 3 | 11.666 | 716 | 721 | 747 | rBV | 1743061 | 4589337 | 74.32% | 15.471% |
| 4 | 15.274 | 1109 | 1114 | 1133 | rBV | 2426025 | 5723147 | 92.68% | 19.293% |
| 5 | 20.553 | 1683 | 1689 | 1716 | rBV | 2693828 | 6174928 | 100.00% | 20.816% |
| 6 | 24.978 | 2164 | 2171 | 2205 | rBV2 | 2236573 | 5694721 | 92.22% | 19.197% |
| 7 | 30.055 | 2719 | 2724 | 2735 | rBV | 270367 | 594939 | 9.63% | 2.006% |
| 8 | 33.011 | 3039 | 3046 | 3068 | rBV2 | 1388625 | 3685105 | 59.68% | 12.423% |
| 9 | 37.105 | 3485 | 3492 | 3517 | rBV2 | 762996 | 2439527 | 39.51% | 8.224% |

Sum of corrected areas: 29663926

26830.D GCMS1126.M Tue Jan 29 14:15:44 2002

# LSC Report - Integrated Chromatogram

File : M:\INSTRU~1\209\DATA\DEC2101\26830.D
Operator : 209 GALOS
Acquired : 23 Dec 2001 5:14 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms scan 12/17
Misc Info :
Vial Number: 22
Quant File :GCMS1126.RES (RTE Integrator)




26830.D GCMS1126.M Tue Jan 29 14:15:50 2002

# Library Search Compound Report

Data File : M:\INSTRU~1\209\DATA\DEC2101\26830.D
Acq On : 23 Dec 2001 5:14 am
Sample : gc/ms scan 12/17
Misc :
MS Integration Params: LSCINT.P

Vial: 22
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

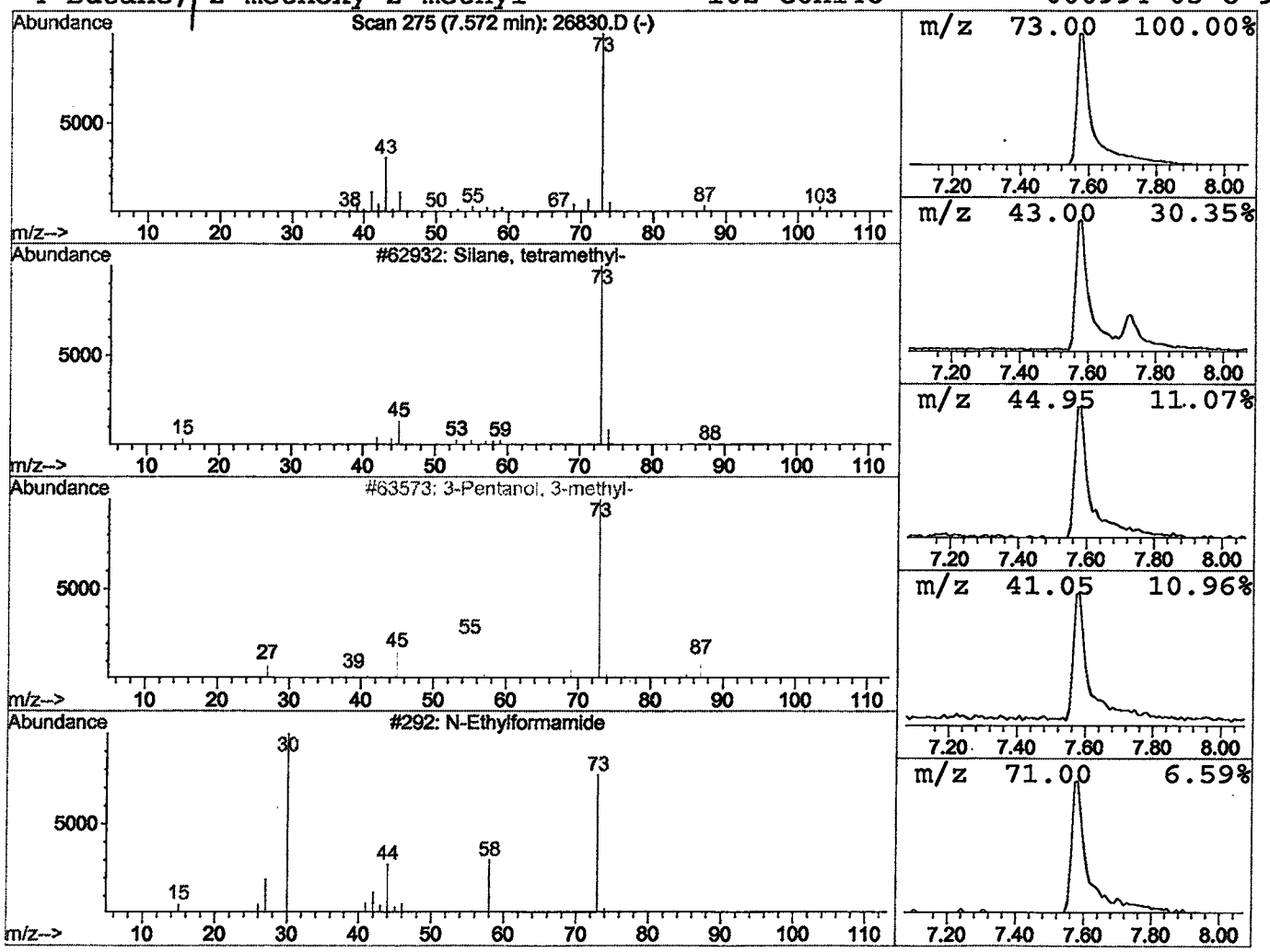
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.57 | 2.99 ug/l | 686671 | 1,4-Dichlorobenzene-d4 | 11.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 47 |
| 2 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 33 |
| 3 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 4 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 9 |



# Library Search Compound Report

Data File : M:\INSTRU~1\209\DATA\DEC2101\26830.D  Vial: 22
Acq On : 23 Dec 2001 5:14 am  Operator: 209 GALOS
Sample : gc/ms scan 12/17  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

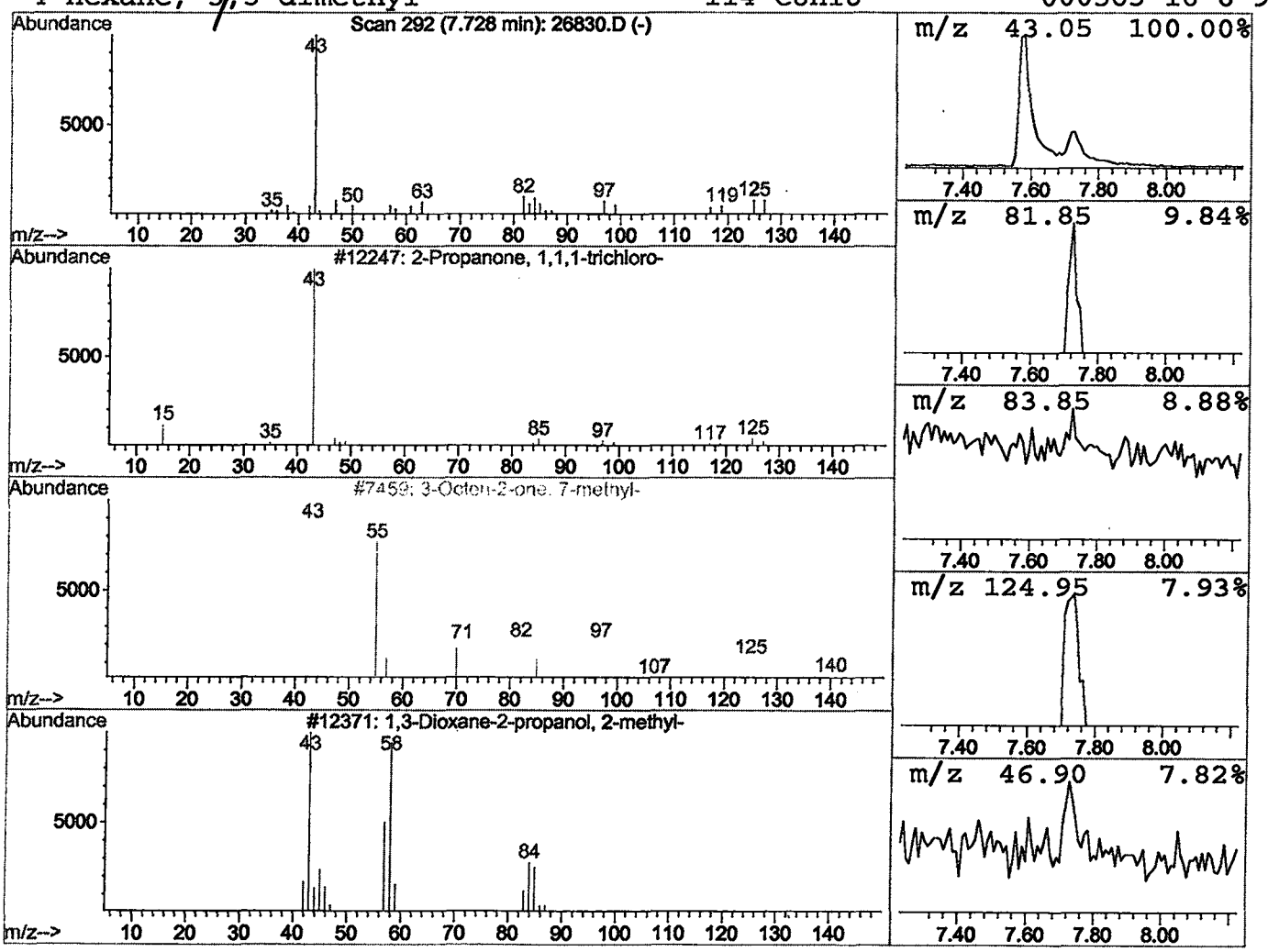
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.73 | 0.33 ug/l | 75551 | 1,4-Dichlorobenzene-d4 | 11.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanone, 1,1,1-trichloro- | 160 | C3H3Cl3O | 000918-00-3 | 38 |
| 2 | 3-Octen-2-one, 7-methyl- | 140 | C9H16O | 033046-81-0 | 17 |
| 3 | 1,3-Dioxane-2-propanol, 2-methyl- | 160 | C8H16O3 | 036651-31-7 | 9 |
| 4 | Hexane, 3,3-dimethyl- | 114 | C8H18 | 000563-16-6 | 9 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 23 Dec 2001 5:14 am
Data File: M:\INSTRU~1\209\DATA\DEC2101\26830.D
Name: gc/ms scan 12/17
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS1126.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- | 7.57 | 3.0 | ug/l | 686671 | ISTD01 | 11.67 | 4589340 | 20.0 |
| 2-Propanone, 1,1,1-t Heptane | 7.73 | 0.3 | ug/l | 75551 | ISTD01 | 11.67 | 4589340 | 20.0 |

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Column leak