User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/09/2002 Time: 14:40:20

Sample: AD30255
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/9/02 14:39 Ended: 1/9/02 14:39 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 79 | | 5.0 |

**Comments for Sample AD30255 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-09-2002 Time: 14:40:29

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recovery for 8 of the 43 compounds in the LCS Standard were above their acceptance range.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC2101\30255.D Vial: 10
Acq On : 22 Dec 2001 3:38 pm Operator: 209 GALOS
Sample : gc/ms scan 12/13a Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Dec 31 11:57 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 14 12:19:30 2001
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 | 807459 | 20.00 | ug/l | -0.03 |
| 10) Naphthalene-d8 | 15.28 | 136 | 3072082 | 20.00 | ug/l | -0.03 |
| 17) Acenaphthene-d10 | 20.55 | 164 | 1534656 | 20.00 | ug/l | -0.03 |
| 29) Phenanthrene-d10 | 24.98 | 188 | 2254353 | 20.00 | ug/l | -0.02 |
| 38) Chrysene-d12 | 33.01 | 240 | 1345948m | 20.00 | ug/l | -0.03 |
| 44) Perylene-d12 | 37.10 | 264 | 852588 | 20.00 | ug/l | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.05 | 235 | 128313 | 3.93 | ug/mL | -0.02 |
| Spiked Amount 5.000 | | | Recovery = 78.60% | | | |
| **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 | 13.20 | 77 | 111 | 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 | 15.33 | 128 | 1110 | 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 | 21.22 | 165 | 311 | N.D. | | |
| 25) Diethylphthalate | 22.10 | 149 | 379 | 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\DEC2101\30255.D Vial: 10
Acq On : 22 Dec 2001 3:38 pm Operator: 209 GALOS
Sample : gc/ms scan 12/13a Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Dec 31 11:57 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 14 12:19:30 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

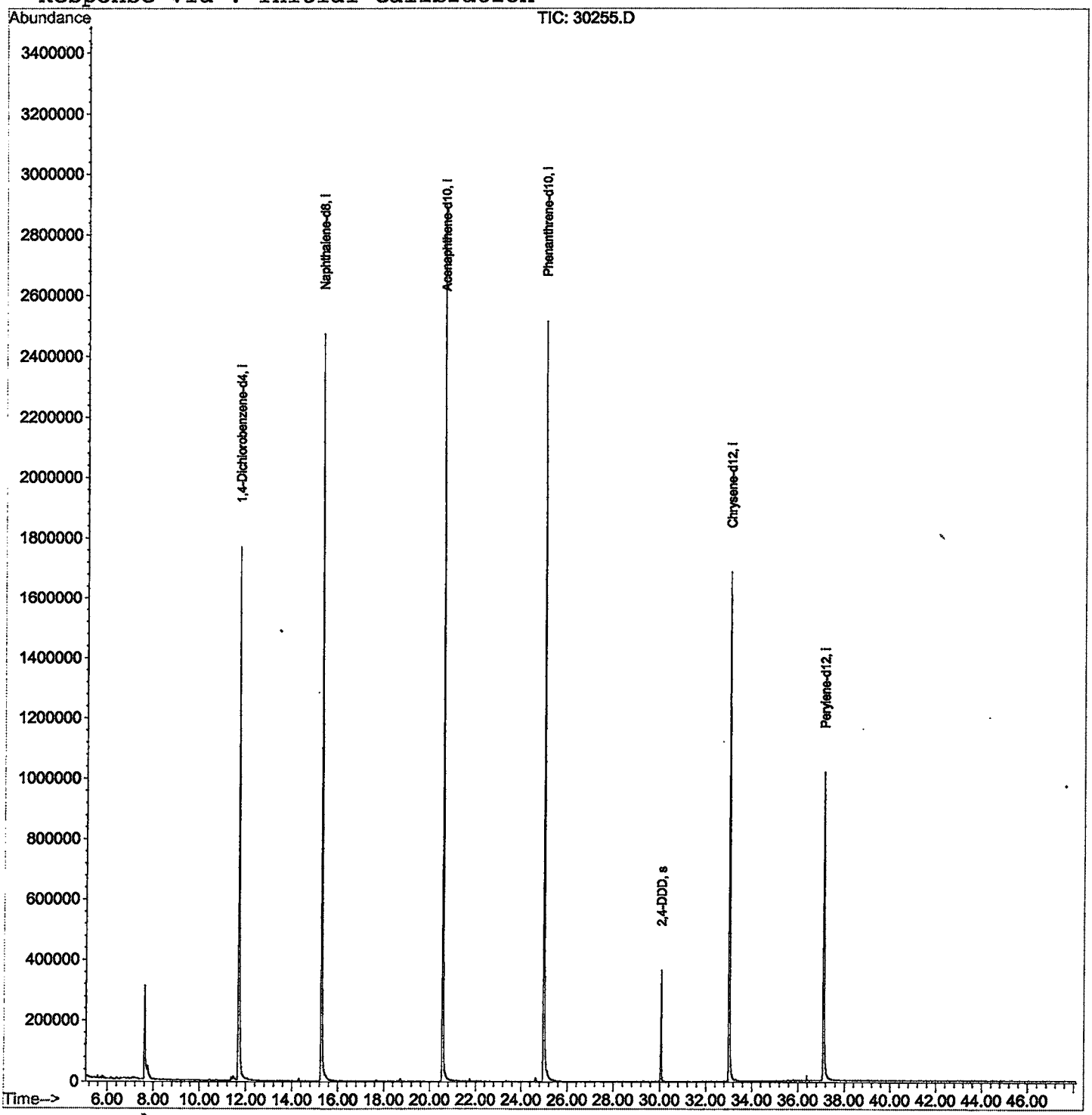
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 30) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) | Phenanthrene | 24.98 | 178 | 982 | N.D. | |
| 34) | Anthracene | 24.98 | 178 | 982 | N.D. | |
| 35) | Di-n-butylphthalate | 27.02 | 149 | 3642 | 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 | 33.02 | 228 | 3332 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.29 | 149 | 3713 | N.D. | |
| 43) | Chrysene | 33.02 | 228 | 3332 | 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 | 37.11 | 252 | 3114 | 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\DEC2101\30255.D  Vial: 10
Acq On : 22 Dec 2001 3:38 pm  Operator: 209 GALOS
Sample : gc/ms scan 12/13a  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Dec 31 11:57 2001  Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 28 15:11:00 2001
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC2101\30255.D  Vial: 10
Acq On : 22 Dec 2001 3:38 pm  Operator: 209 GALOS
Sample : gc/ms scan 12/13a  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

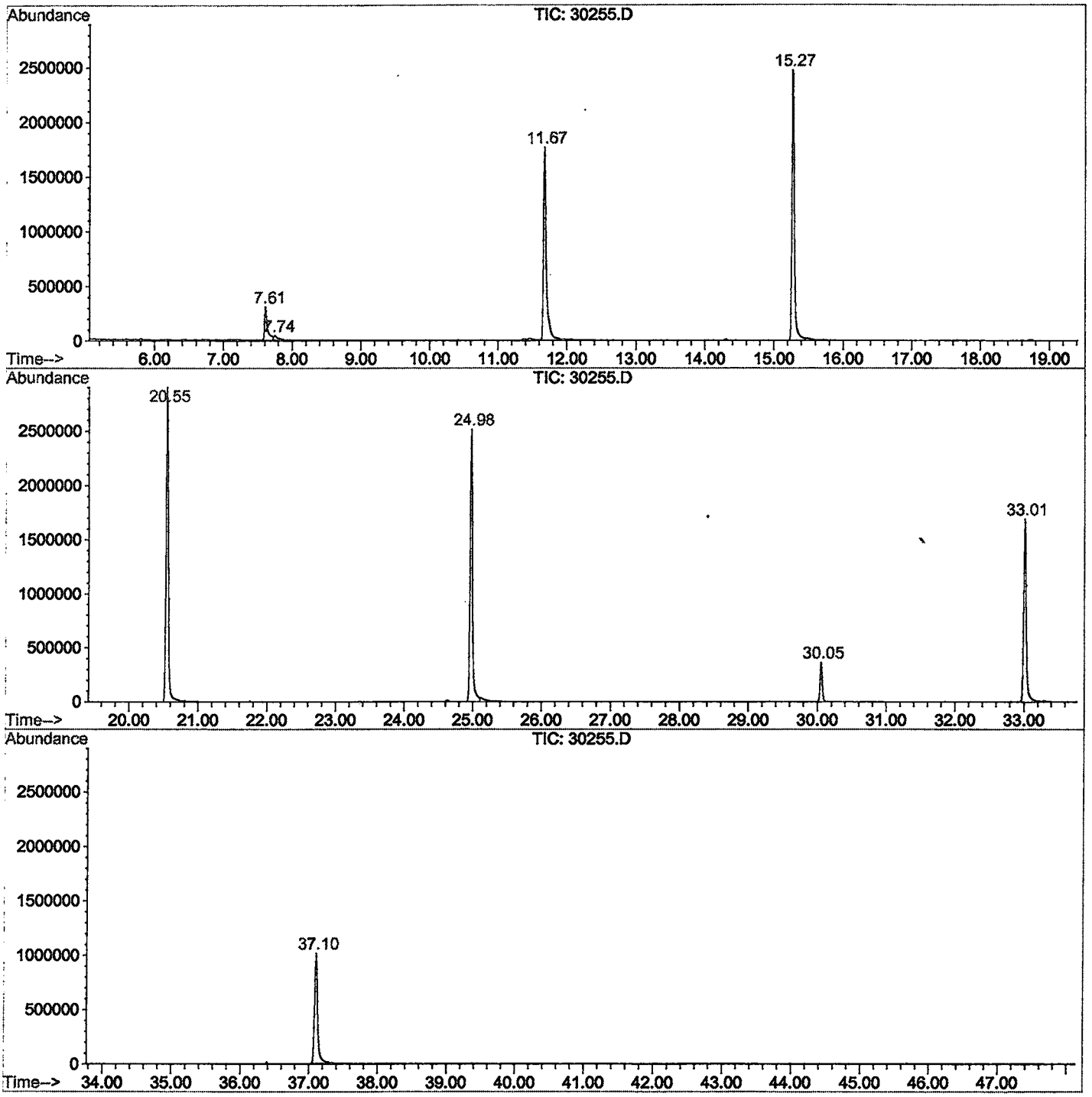
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.607 | 275 | 279 | 291 | rBV | 306261 | 860397 | 13.20% | 2.639% |
| 2 | 7.744 | 292 | 294 | 316 | rVB | 42381 | 169778 | 2.60% | 0.521% |
| 3 | 11.673 | 717 | 722 | 748 | rBV | 1764856 | 4849562 | 74.40% | 14.876% |
| 4 | 15.272 | 1109 | 1114 | 1134 | rBV | 2472046 | 6023088 | 92.41% | 18.476% |
| 5 | 20.551 | 1683 | 1689 | 1712 | rBV | 2903059 | 6517894 | 100.00% | 19.994% |
| 6 | 24.976 | 2165 | 2171 | 2185 | rBV2 | 2515092 | 5978624 | 91.73% | 18.340% |
| 7 | 30.052 | 2718 | 2724 | 2733 | rBV | 365500 | 773943 | 11.87% | 2.374% |
| 8 | 33.008 | 3037 | 3046 | 3067 | rBV2 | 1686792 | 4304353 | 66.04% | 13.204% |
| 9 | 37.103 | 3485 | 3492 | 3515 | rBV2 | 1013893 | 3121566 | 47.89% | 9.576% |

Sum of corrected areas: 32599205

30255.D GCMS1126.M Wed Jan 02 10:31:06 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC2101\30255.D
Operator : 209 GALOS
Acquired : 22 Dec 2001 3:38 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms scan 12/13a
Misc Info :
Vial Number: 10
Quant File :GCMS1126.RES (RTE Integrator)




30255.D GCMS1126.M Wed Jan 02 10:31:12 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\30255.D
Acq On : 22 Dec 2001 3:38 pm
Sample : gc/ms scan 12/13a
Misc :
MS Integration Params: LSCINT.P

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

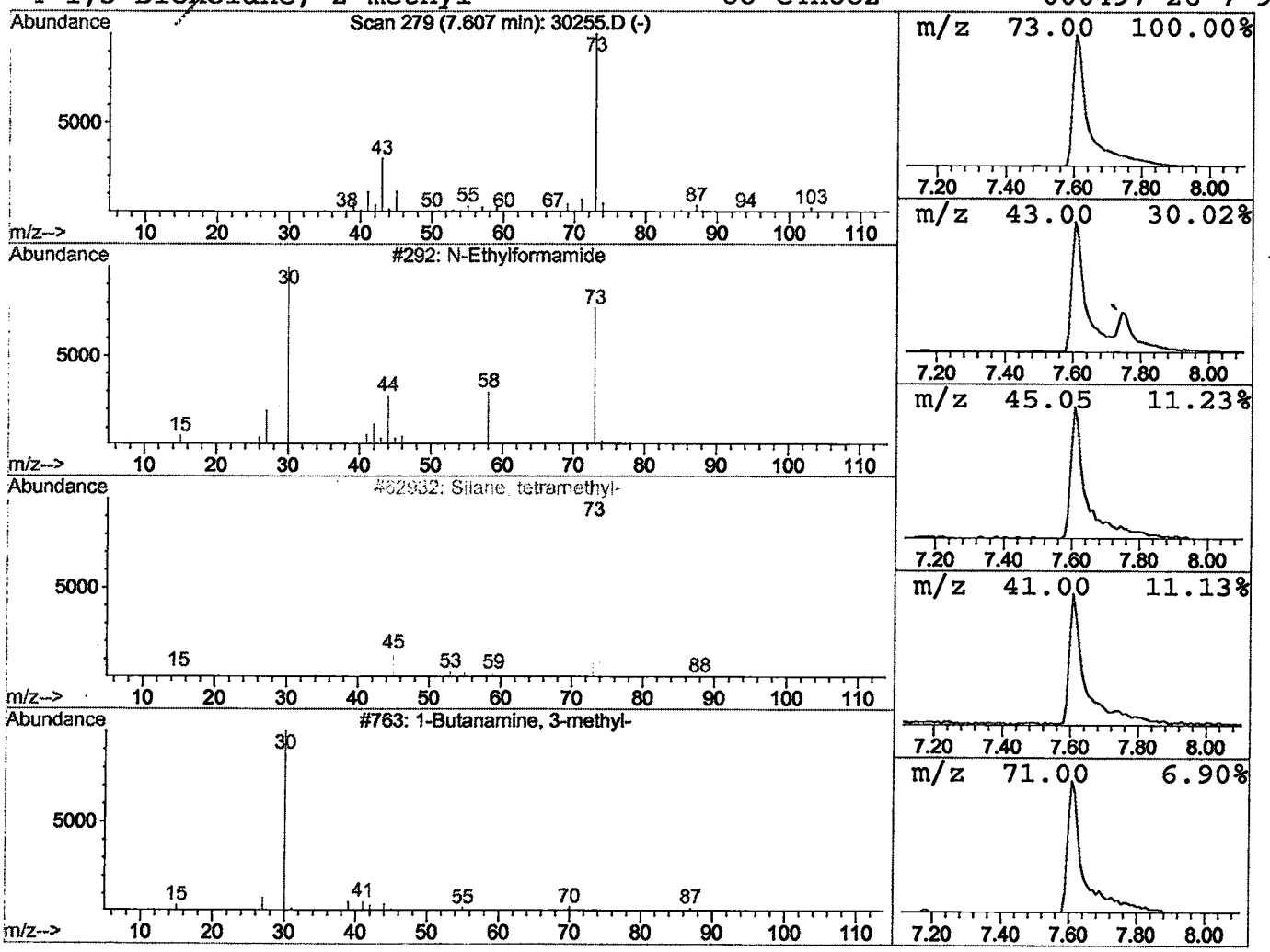
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 N-Ethylformamide Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.61 | 3.55 ug/l | 860397 | 1,4-Dichlorobenzene-d4 | 11.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 2 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |
| 3 | 1-Butanamine, 3-methyl- | 87 | C5H13N | 000107-85-7 | 9 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\30255.D
Acq On : 22 Dec 2001 3:38 pm
Sample : gc/ms scan 12/13a
Misc :
MS Integration Params: LSCINT.P

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

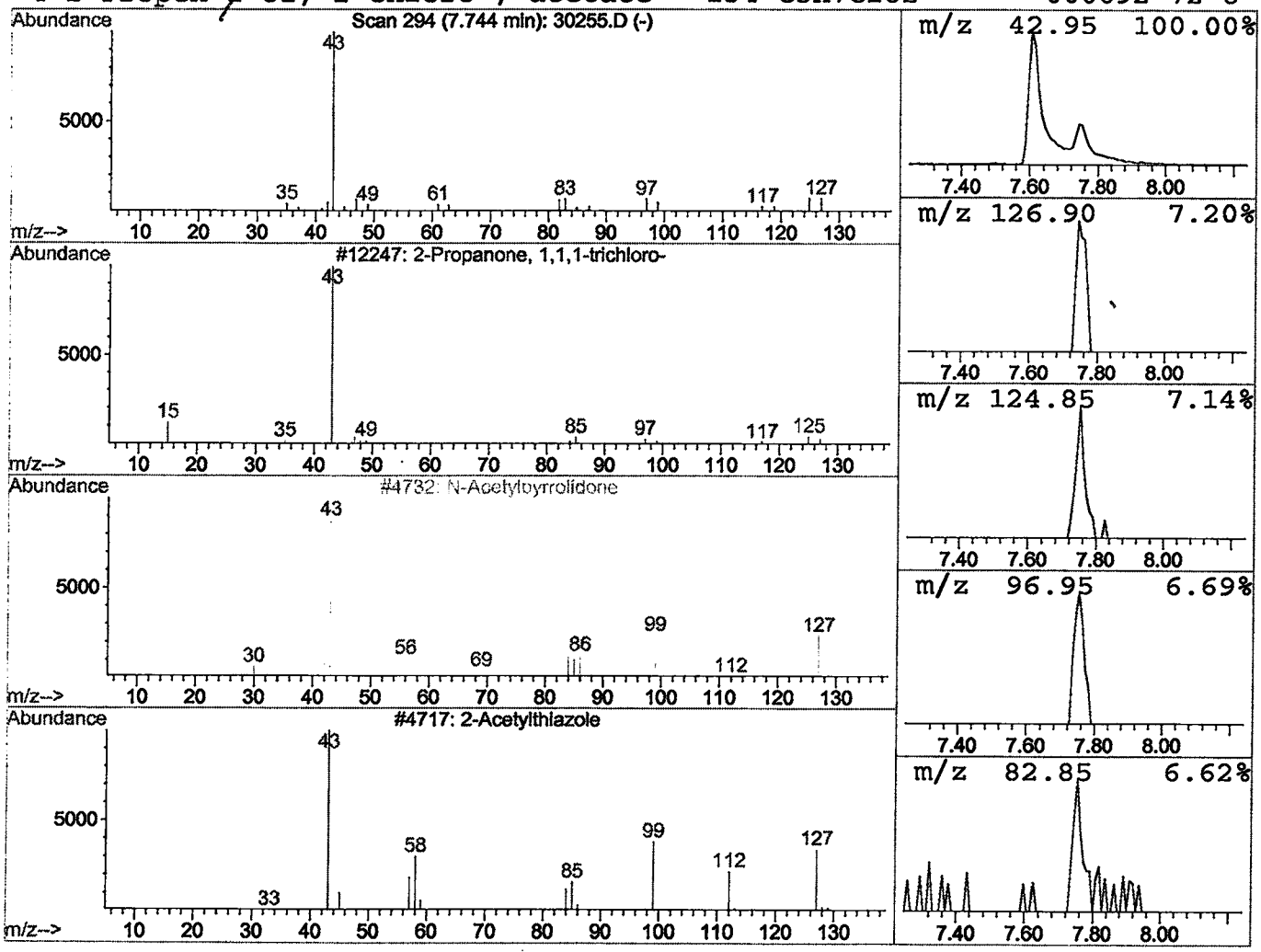
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.74 | 0.70 ug/l | 169778 | 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 | N-Acetylpyrrolidone | 127 | C6H9NO2 | 000932-17-2 | 5 |
| 3 | 2-Acetylthiazole | 127 | C5H5NOS | 024295-03-2 | 4 |
| 4 | 2-Propen-1-ol, 2-chloro-, acetate | 134 | C5H7ClO2 | 000692-72-8 | 4 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 22 Dec 2001 3:38 pm
Data File: C:\HPCHEM\1\DATA\DEC2101\30255.D
Name: gc/ms scan 12/13a
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 |
|---|---|---|---|---|---|---|---|---|
| N-Ethylformamide | 7.61 | 3.5 | ug/l | 860397 | ISTD01 | 11.67 | 4849560 | 20.0 |
| 2-Propanone, 1,1,1-t | 7.74 | 0.7 | ug/l | 169778 | ISTD01 | 11.67 | 4849560 | 20.0 |

30255.D GCMS1126.M Wed Jan 02 10:31:26 2002