User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/18/2002 Time: 17:54:53

Sample: AD31021
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/18/02 17:53 Ended: 1/18/02 17:53 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 89 | | 5.0 |

**Comments for Sample AD31021 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-18-2002 Time: 17:55:13

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN0802\31021.D Vial: 22
Acq On : 9 Jan 2002 10:47 am Operator: 209 GALOS
Sample : gcms scan 12/20a Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jan 9 14:39 2002 Quant Results File: GCMS0103.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Jan 07 10:31:02 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0103

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.53 | 152 | 827822 | 20.00 | ug/l | 0.00 |
| 10) Naphthalene-d8 | 15.13 | 136 | 3179494 | 20.00 | ug/l | 0.00 |
| 17) Acenaphthene-d10 | 20.39 | 164 | 1554828 | 20.00 | ug/l | 0.00 |
| 29) Phenanthrene-d10 | 24.80 | 188 | 2311003 | 20.00 | ug/l | 0.00 |
| 38) Chrysene-d12 | 32.84 | 240 | 1379556 | 20.00 | ug/l | 0.00 |
| 44) Perylene-d12 | 36.90 | 264 | 797689 | 20.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 29.89 | 235 | 117990 | 4.45 | ug/mL | -0.18 |
| Spiked Amount 5.000 | | | Recovery = 89.00% | | | |
| **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 | 14.05 | 82 | 283 | 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 | 15.19 | 128 | 593 | 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. | d | |
| 22) Acenaphthylene | 0.00 | 152 | 0 | N.D. | | |
| 23) Acenaphthene | 0.00 | 153 | 0 | N.D. | | |
| 24) 2,4-Dinitrotoluene | 20.65 | 165 | 671 | N.D. | | |
| 25) Diethylphthalate | 21.91 | 149 | 374 | 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 (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN0802\31021.D Vial: 22
Acq On : 9 Jan 2002 10:47 am Operator: 209 GALOS
Sample : gcms scan 12/20a Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jan 9 14:39 2002 Quant Results File: GCMS0103.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Jan 07 10:31:02 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0103

| | 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 | 24.87 | 178 | 120 | N.D. | |
| 34) | Anthracene | 24.87 | 178 | 120 | N.D. | |
| 35) | Di-n-butylphthalate | 26.83 | 149 | 4193 | N.D. | |
| 36) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 39) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 40) | Butylbenzylphthalate | 31.34 | 149 | 224 | N.D. | |
| 41) | Benzo(a)anthracene | 32.84 | 228 | 3511 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.14 | 149 | 16371 | N.D. | |
| 43) | Chrysene | 32.84 | 228 | 3511 | 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 | 36.90 | 252 | 3122 | 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

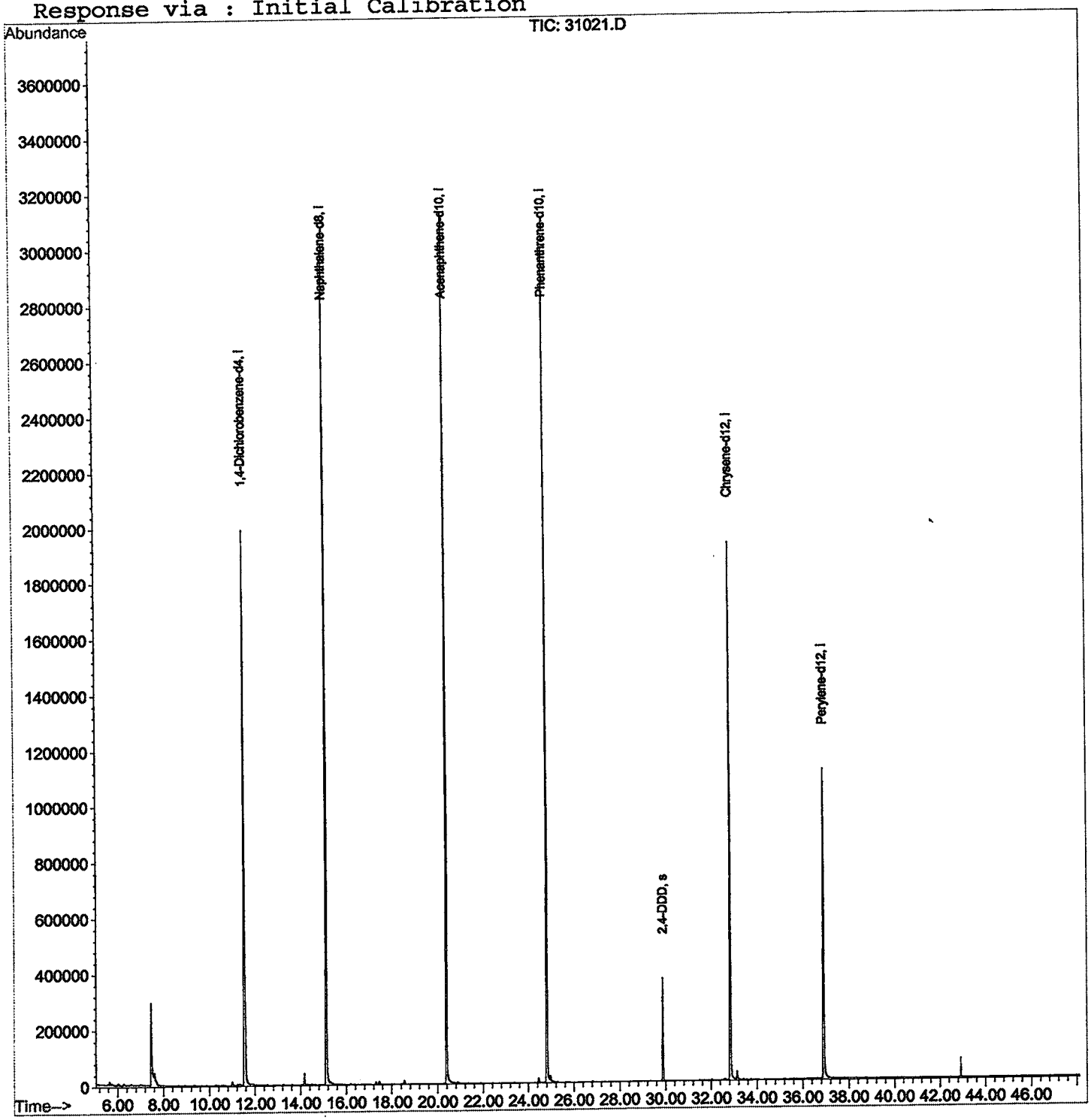
# Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN0802\31021.D
Acq On : 9 Jan 2002 10:47 am
Sample : gcms scan 12/20a
Misc :
MS Integration Params: GOOFY.P
Quant Time: Jan 9 14:39 2002

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

Quant Results File: GCMS0103.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 : M:\INSTRU~1\209\DATA\JAN0802\31021.D  Vial: 22
Acq On : 9 Jan 2002 10:47 am  Operator: 209 GALOS
Sample : gcms scan 12/20a  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0103.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

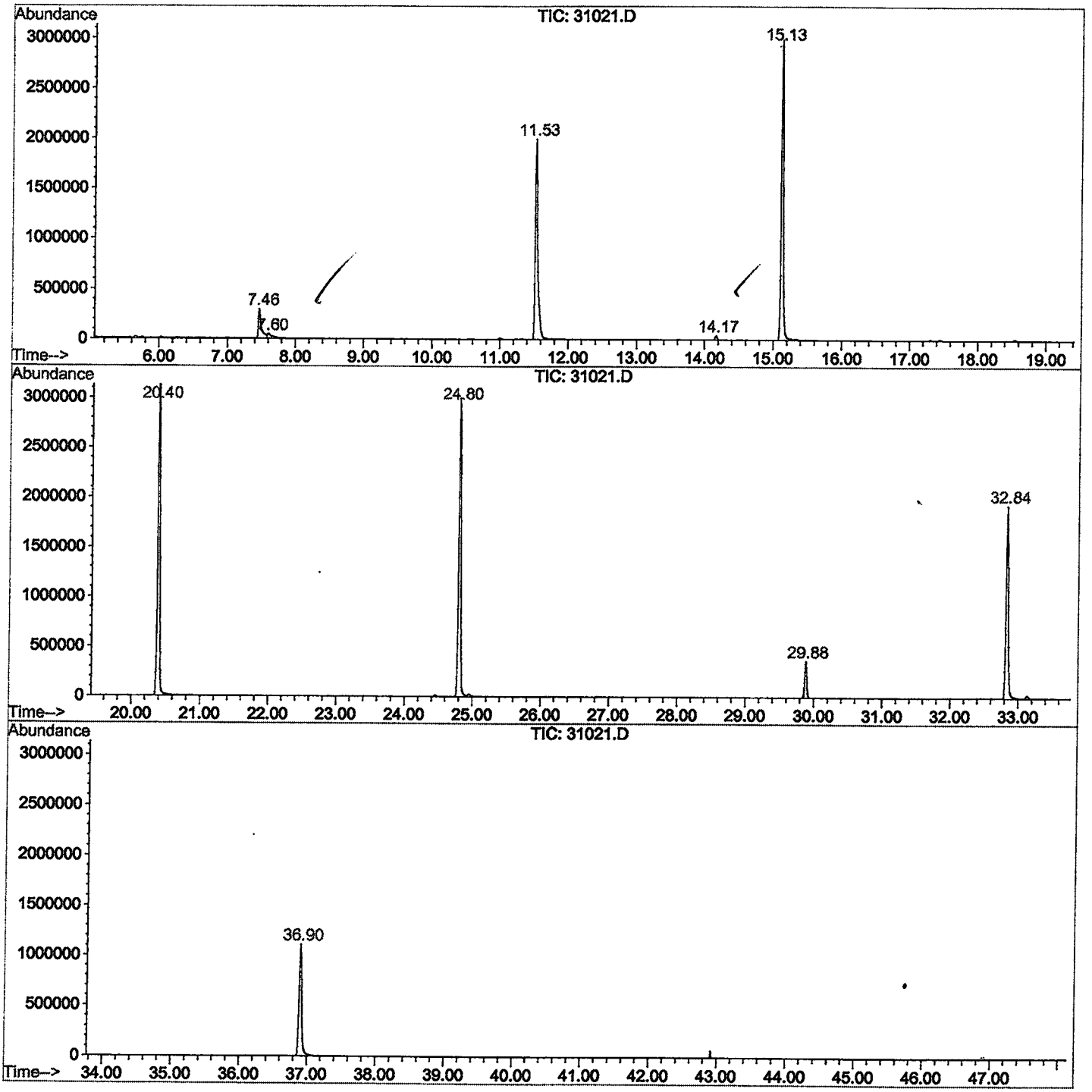
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.462 | 259 | 263 | 276 | rBV | 292742 | 837316 | 12.29% | 2.445% |
| 2 | 7.600 | 276 | 278 | 296 | rVB2 | 43058 | 180345 | 2.65% | 0.527% |
| 3 | 11.529 | 701 | 706 | 727 | rBV | 1992361 | 5235608 | 76.85% | 15.288% |
| 4 | 14.173 | 989 | 994 | 999 | rVB | 41186 | 77903 | 1.14% | 0.227% |
| 5 | 15.127 | 1092 | 1098 | 1117 | rBV | 2988813 | 6506720 | 95.50% | 18.999% |
| 6 | 20.397 | 1665 | 1672 | 1688 | rBV | 3130776 | 6813101 | 100.00% | 19.894% |
| 7 | 24.803 | 2146 | 2152 | 2165 | rBV2 | 2998121 | 6490295 | 95.26% | 18.951% |
| 8 | 29.880 | 2700 | 2705 | 2712 | rBV | 367383 | 729025 | 10.70% | 2.129% |
| 9 | 32.836 | 3020 | 3027 | 3040 | rBV2 | 1931361 | 4423067 | 64.92% | 12.915% |
| 10 | 36.903 | 3463 | 3470 | 3488 | rBV2 | 1107978 | 2953820 | 43.36% | 8.625% |

Sum of corrected areas: 34247200

31021.D GCMS0103.M Thu Jan 10 16:02:58 2002

# LSC Report - Integrated Chromatogram

File : M:\INSTRU~1\209\DATA\JAN0802\31021.D
Operator : 209 GALOS
Acquired : 9 Jan 2002 10:47 am using AcqMethod GCMS0103
Instrument : GC/MS 209
Sample Name: gcms scan 12/20a
Misc Info :
Vial Number: 22
Quant File :GCMS0103.RES (RTE Integrator)




31021.D GCMS0103.M Thu Jan 10 16:03:04 2002

# Library Search Compound Report

Data File : M:\INSTRU~1\209\DATA\JAN0802\31021.D
Acq On : 9 Jan 2002 10:47 am
Sample : gcms scan 12/20a
Misc :
MS Integration Params: LSCINT.P

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

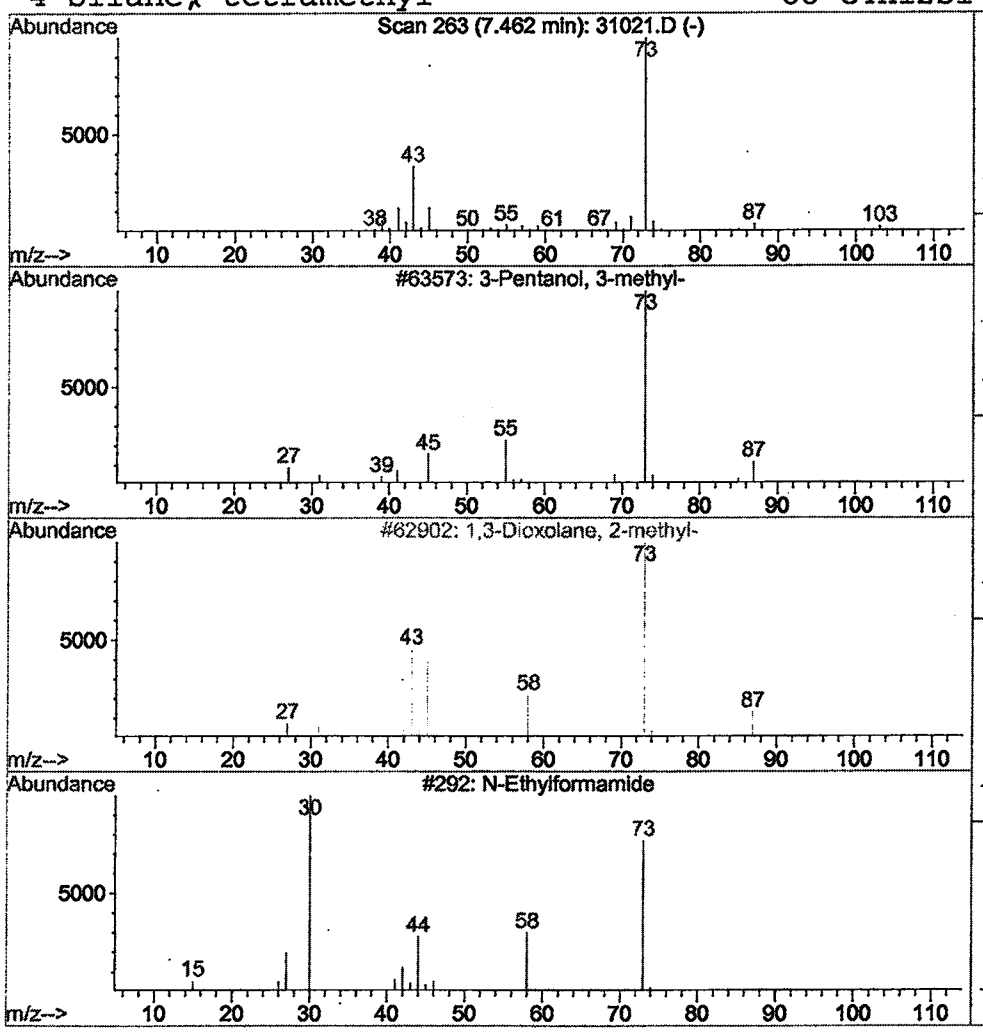
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 3-Pentanol, 3-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.46 | 3.20 ug/l | 837316 | 1,4-Dichlorobenzene-d4 | 11.53 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 33 |
| 2 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 9 |
| 3 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |



# Library Search Compound Report

Data File : M:\INSTRU~1\209\DATA\JAN0802\31021.D
Acq On : 9 Jan 2002 10:47 am
Sample : gcms scan 12/20a
Misc :
MS Integration Params: LSCINT.P

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

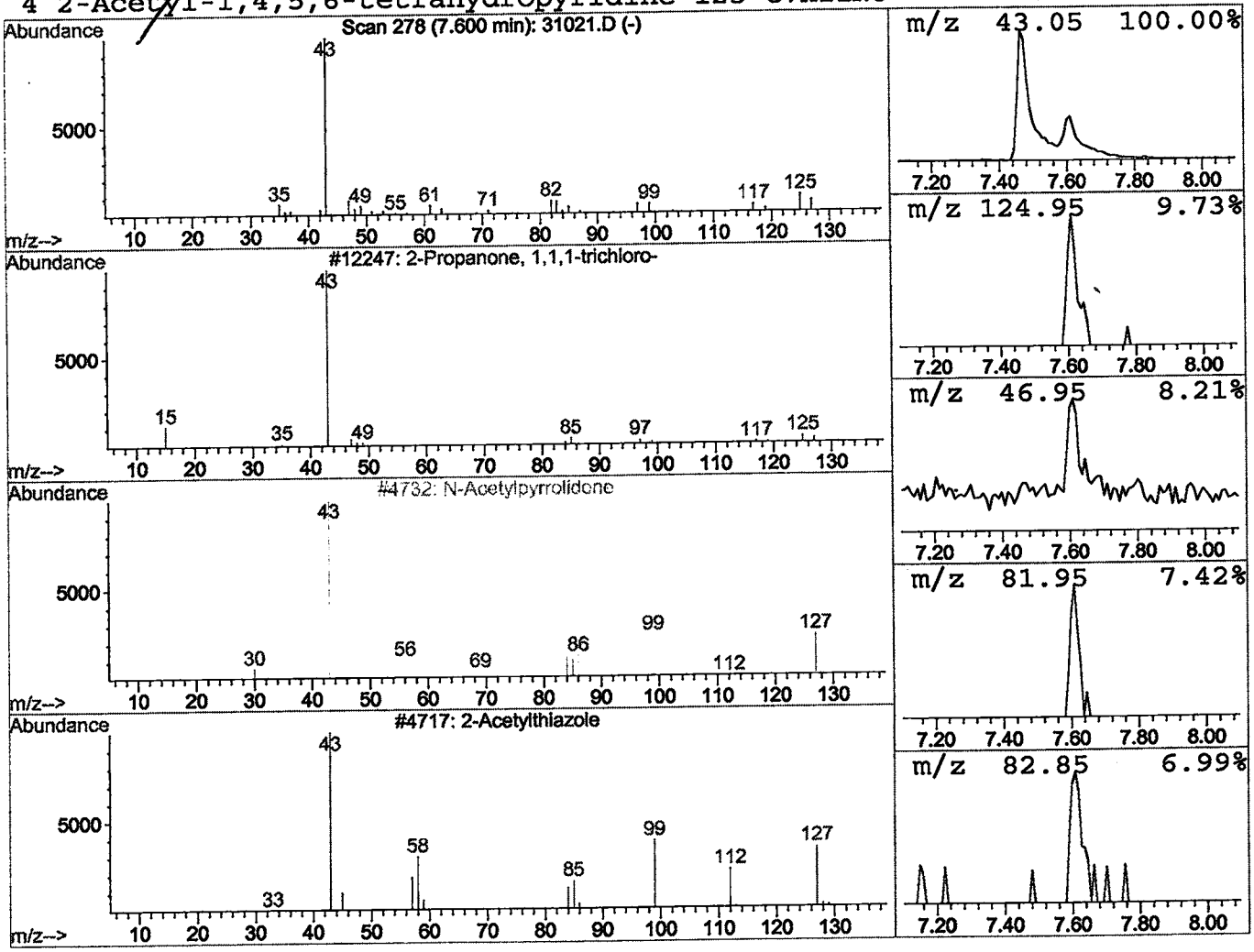
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.60 | 0.69 ug/l | 180345 | 1,4-Dichlorobenzene-d4 | 11.53 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanone, 1,1,1-trichloro- | 160 | C3H3Cl3O | 000918-00-3 | 45 |
| 2 | N-Acetylpyrrolidone | 127 | C6H9NO2 | 000932-17-2 | 5 |
| 3 | 2-Acetylthiazole | 127 | C5H5NOS | 024295-03-2 | 4 |
| 4 | 2-Acetyl-1,4,5,6-tetrahydropyridine | 125 | C7H11NO | 000000-00-0 | 4 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 9 Jan 2002 10:47 am
Data File: M:\INSTRU~1\209\DATA\JAN0802\31021.D
Name: gcms scan 12/20a
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0103.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 |
|---|---|---|---|---|---|---|---|---|
| 3-Pentanol, 3-methyl | 7.46 | 3.2 | ug/l | 837316 | ISTD01 | 11.53 | 5235610 | 20.0 |
| 2-Propanone, 1,1,1-t | 7.60 | 0.7 | ug/l | 180345 | ISTD01 | 11.53 | 5235610 | 20.0 |

31021.D GCMS0103.M Thu Jan 10 16:03:19 2002