**Comments for Sample AD29089 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-18-2001 Time: 13:33:53

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

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/18/2001 Time: 13:33:08

Sample: AD29089
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/18/01 13:32 Ended: 12/18/01 13:32 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | | | |
| 2 | Surr_2,4-DDD | | 95 | | 5.0 |

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1001\29089.D Vial: 36
Acq On : 11 Dec 2001 10:48 pm Operator: 209 GALOS
Sample : gc/ms scan 11/30a Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 15:33 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 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 | 1005605 | 20.00 | ug/l | -0.02 |
| 10) Naphthalene-d8 | 15.27 | 136 | 3838161 | 20.00 | ug/l | -0.03 |
| 17) Acenaphthene-d10 | 20.55 | 164 | 1903294 | 20.00 | ug/l | -0.02 |
| 29) Phenanthrene-d10 | 24.98 | 188 | 2740014 | 20.00 | ug/l | -0.01 |
| 38) Chrysene-d12 | 33.01 | 240 | 1752140 | 20.00 | ug/l | -0.02 |
| 44) Perylene-d12 | 37.10 | 264 | 1142309 | 20.00 | ug/l | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.05 | 235 | 155148 | 4.76 | ug/mL | -0.02 |
| Spiked Amount 5.000 | | | Recovery = 95.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 5.16 | 74 | 896 | 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 | 1108 | 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 | 21.19 | 165 | 298 | N.D. | | |
| 25) Diethylphthalate | 22.07 | 149 | 947 | 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\DEC1001\29089.D Vial: 36
Acq On : 11 Dec 2001 10:48 pm Operator: 209 GALOS
Sample : gc/ms scan 11/30a Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 15:33 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

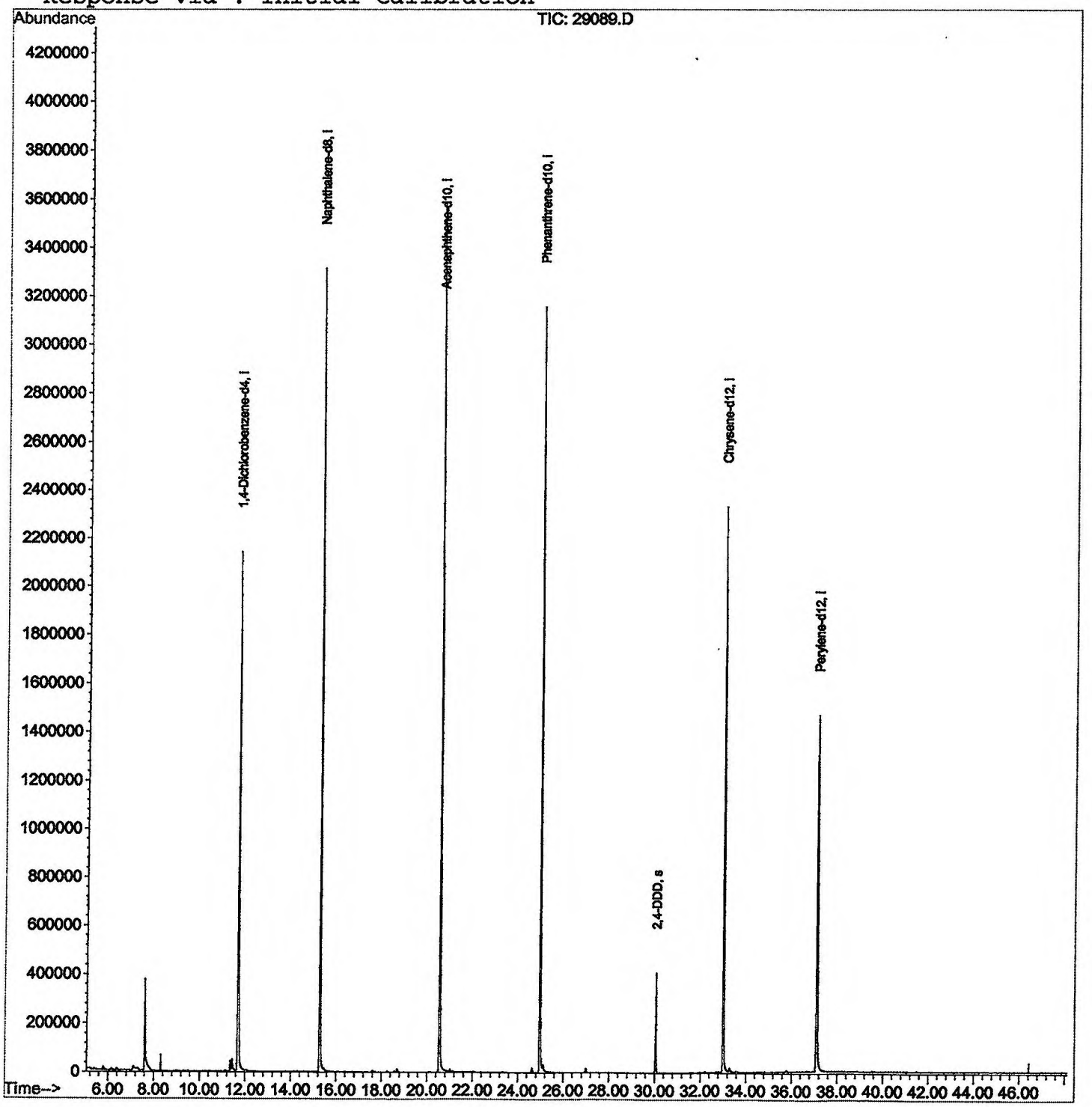
| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 30) N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) Phenanthrene | 25.03 | 178 | 113 | N.D. | |
| 34) Anthracene | 25.03 | 178 | 113 | N.D. | |
| 35) Di-n-butylphthalate | 26.99 | 149 | 26698 | 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 | 4371 | N.D. | |
| 42) Bis(2-ethylhexyl)phthalate | 33.29 | 149 | 12322 | N.D. | |
| 43) Chrysene | 33.01 | 228 | 4371 | 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 | 4405 | 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\DEC1001\29089.D Vial: 36
Acq On : 11 Dec 2001 10:48 pm Operator: 209 GALOS
Sample : gc/ms scan 11/30a Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 15:33 2001 Quant Results File: GCMS1126.RES

Method : M:\INSTRU~1\209\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29089.D  Vial: 36
Acq On : 11 Dec 2001 10:48 pm  Operator: 209 GALOS
Sample : gc/ms scan 11/30a  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

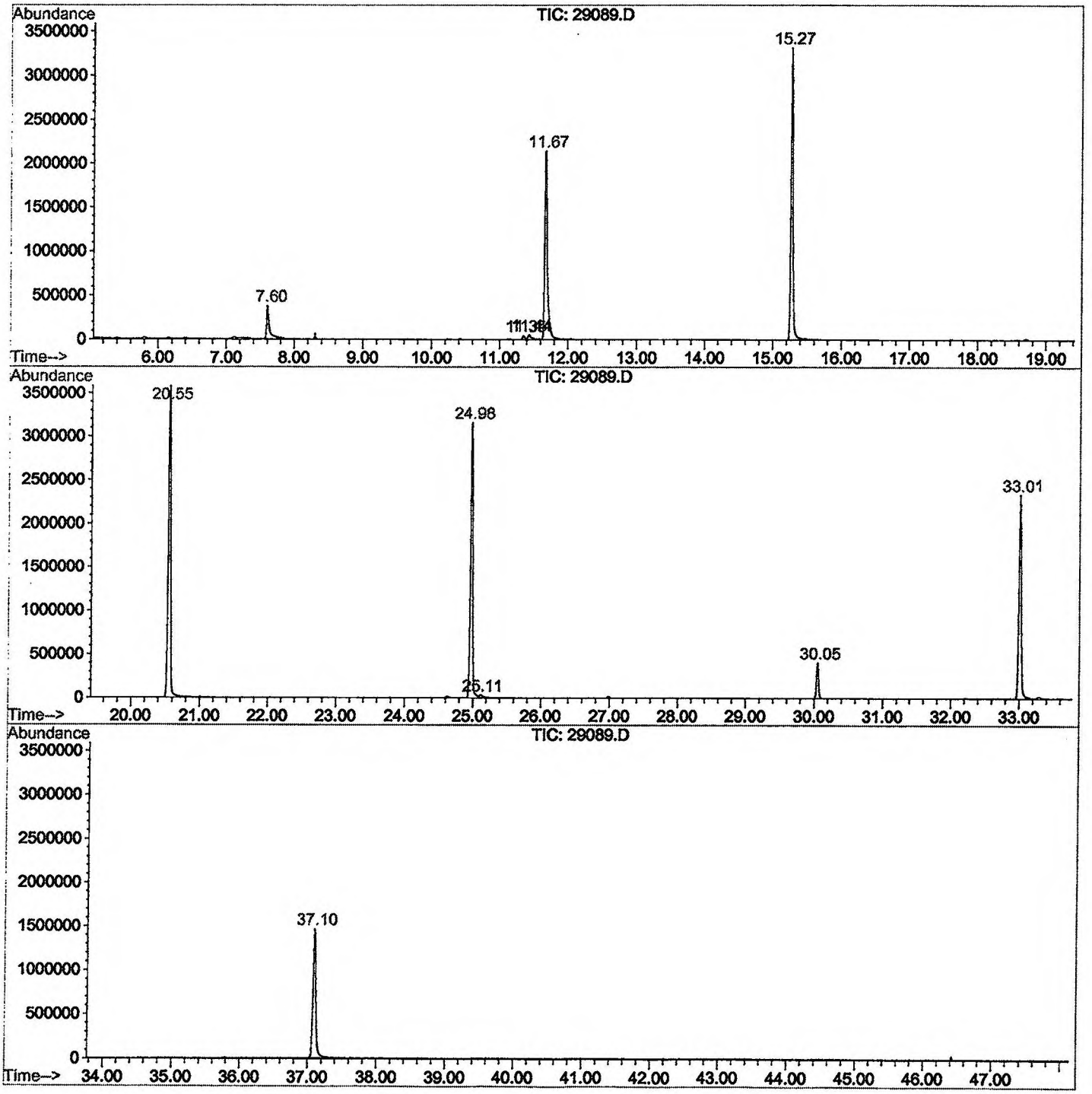
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.599 | 274 | 278 | 309 | rBV | 376583 | 1115397 | 14.30% | 2.789% |
| 2 | 11.354 | 683 | 687 | 692 | rBV | 44709 | 104882 | 1.34% | 0.262% |
| 3 | 11.436 | 692 | 696 | 716 | rVB | 50273 | 166230 | 2.13% | 0.416% |
| 4 | 11.675 | 716 | 722 | 746 | rBV | 2138424 | 5654959 | 72.50% | 14.140% |
| 5 | 15.274 | 1108 | 1114 | 1133 | rBV | 3312704 | 7272608 | 93.24% | 18.185% |
| 6 | 20.552 | 1683 | 1689 | 1705 | rBV | 3586325 | 7799959 | 100.00% | 19.503% |
| 7 | 24.977 | 2164 | 2171 | 2183 | rBV2 | 3156456 | 7258063 | 93.05% | 18.148% |
| 8 | 25.115 | 2183 | 2186 | 2199 | rVB | 29614 | 107954 | 1.38% | 0.270% |
| 9 | 30.054 | 2718 | 2724 | 2732 | rBV | 408193 | 850962 | 10.91% | 2.128% |
| 10 | 33.010 | 3039 | 3046 | 3064 | rBV2 | 2332639 | 5488859 | 70.37% | 13.725% |
| 11 | 37.095 | 3484 | 3491 | 3512 | rBV2 | 1463787 | 4173096 | 53.50% | 10.435% |

Sum of corrected areas: 39992969

29089.D GCMS1126.M Wed Dec 12 15:53:01 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1001\29089.D
Operator : 209 GALOS
Acquired : 11 Dec 2001 10:48 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms scan 11/30a
Misc Info :
Vial Number: 36
Quant File :GCMS1126.RES (RTE Integrator)




29089.D GCMS1126.M Wed Dec 12 15:53:06 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29089.D
Acq On : 11 Dec 2001 10:48 pm
Sample : gc/ms scan 11/30a
Misc :
MS Integration Params: LSCINT.P

Vial: 36
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

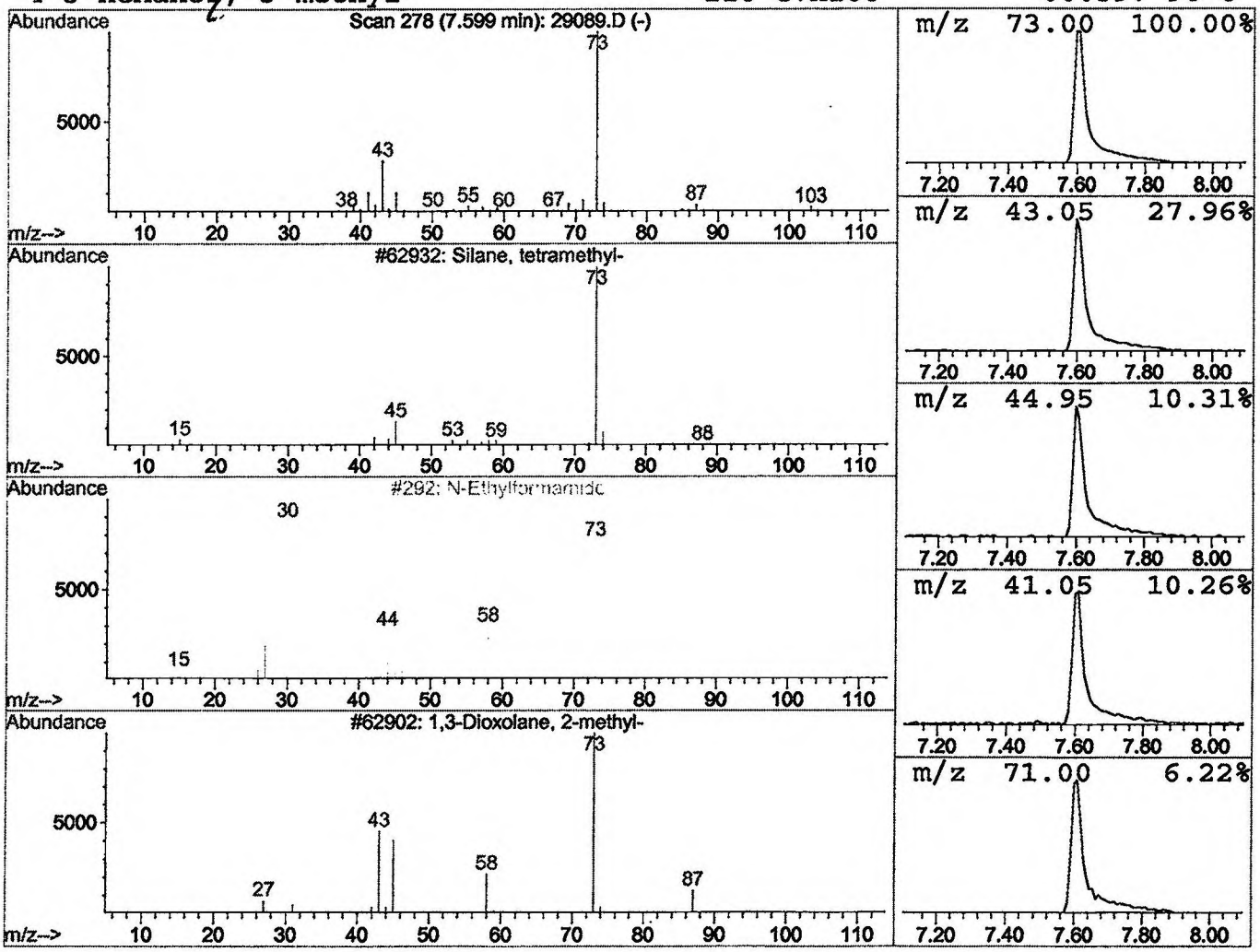
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.60 | 3.94 ug/l | 1115400 | 1,4-Dichlorobenzene-d4 | 11.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 23 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 9 |
| 4 | 3-Hexanol, 3-methyl- | 116 | C7H16O | 000597-96-6 | 4 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29089.D
Acq On : 11 Dec 2001 10:48 pm
Sample : gc/ms scan 11/30a
Misc :
MS Integration Params: LSCINT.P

Vial: 36
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

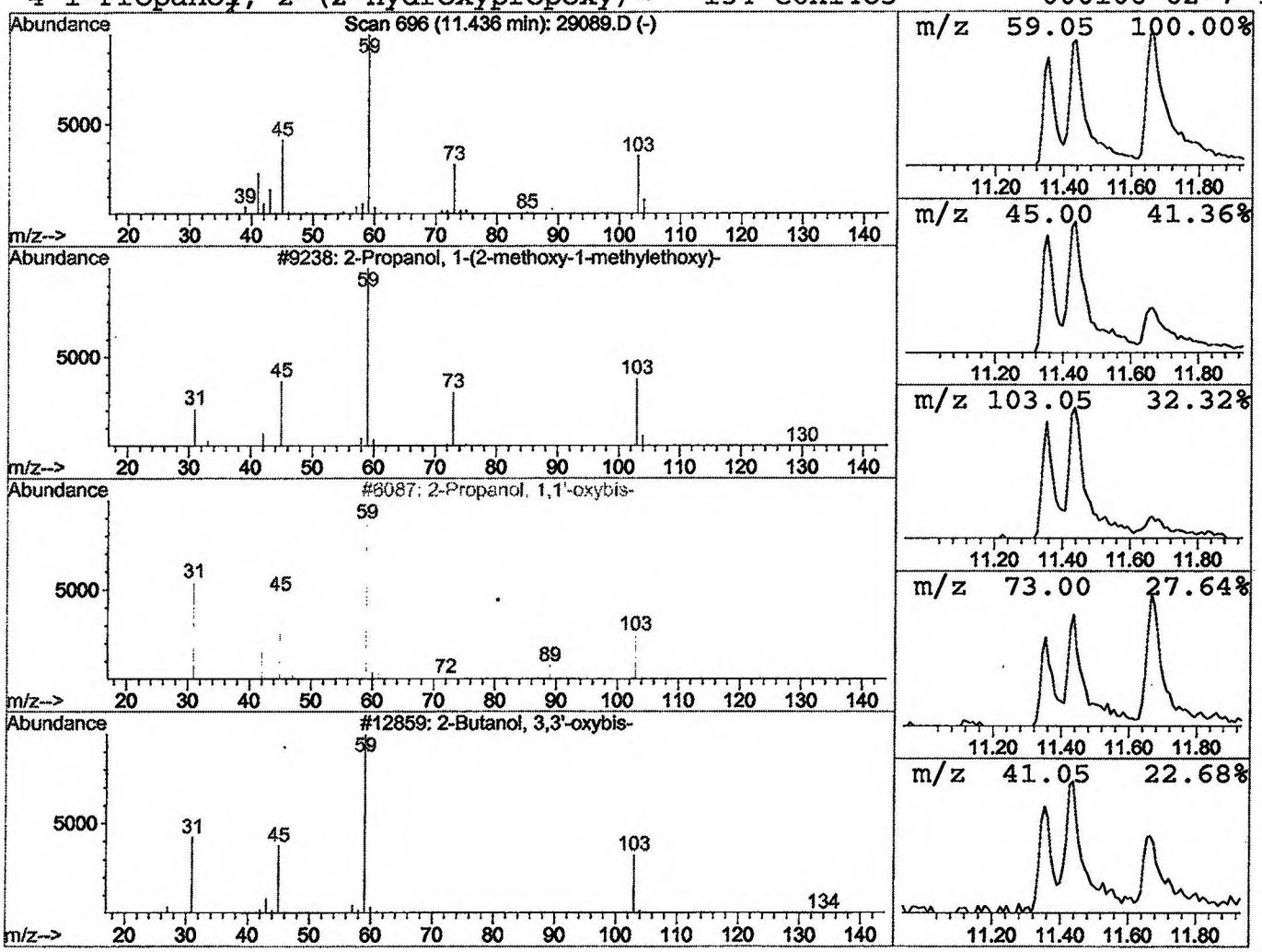
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.44 | 0.59 ug/l | 166230 | 1,4-Dichlorobenzene-d4 | 11.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanol, 1-(2-methoxy-1-methylet | 148 | C7H16O3 | 020324-32-7 | 90 |
| 2 | 2-Propanol, 1,1'-oxybis- | 134 | C6H14O3 | 000110-98-5 | 50 |
| 3 | 2-Butanol, 3,3'-oxybis- | 162 | C8H18O3 | 054305-61-2 | 50 |
| 4 | 1-Propanol, 2-(2-hydroxypropoxy)- | 134 | C6H14O3 | 000106-62-7 | 42 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 11 Dec 2001 10:48 pm
Data File: C:\HPCHEM\1\DATA\DEC1001\29089.D
Name: gc/ms scan 11/30a
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- | 7.60 | 3.9 | ug/l | 1115400 | ISTD01 | 11.67 | 5654960 | 20.0 |
| 2-Propanol, 1-(2-met | 11.44 | 0.6 | ug/l | 166230 | ISTD01 | 11.67 | 5654960 | 20.0 |

29089.D GCMS1126.M Wed Dec 12 15:53:20 2001