NYC 9/11 Public Portal Document

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/28/2002 Time: 12:09:38

Sample: AD29932
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/28/02 12:09 Ended: 1/28/02 12:09 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 99 | | 5.0 |

**Comments for Sample AD29932 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-28-2002 Time: 12:10:49

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

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1801\29932.D Vial: 16
Acq On : 19 Dec 2001 6:44 am Operator: 209 GALOS
Sample : gc/ms scan 12/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jan 15 11:07 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 Dec 28 15:11:00 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.68 | 152 | 913750 | 20.00 | ug/l | -0.02 |
| 10) Naphthalene-d8 | 15.27 | 136 | 3504821 | 20.00 | ug/l | -0.03 |
| 17) Acenaphthene-d10 | 20.55 | 164 | 1751259 | 20.00 | ug/l | -0.02 |
| 29) Phenanthrene-d10 | 24.98 | 188 | 2612401 | 20.00 | ug/l | -0.01 |
| 38) Chrysene-d12 | 33.01 | 240 | 1660334 | 20.00 | ug/l | -0.02 |
| 44) Perylene-d12 | 37.10 | 264 | 1094941 | 20.00 | ug/l | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.05 | 235 | 142633 | 4.97 | ug/mL | -0.02 |
| Spiked Amount 5.000 | | | Recovery = 99.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 5.20 | 74 | 199 | 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 | 13.02 | 77 | 361 | 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 | 1599 | 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 | 21.09 | 165 | 117 | N.D. | | |
| 25) Diethylphthalate | 22.11 | 149 | 1010 | 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



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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1801\29932.D Vial: 16
Acq On : 19 Dec 2001 6:44 am Operator: 209 GALOS
Sample : gc/ms scan 12/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jan 15 11:07 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 Dec 28 15:11:00 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

| | 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 | 541 | N.D. | |
| 34) | Anthracene | 25.04 | 178 | 541 | N.D. | |
| 35) | Di-n-butylphthalate | 27.01 | 149 | 9978 | 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 | 4193 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.30 | 149 | 5315 | N.D. | |
| 43) | Chrysene | 33.01 | 228 | 4193 | 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 | 4285 | 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



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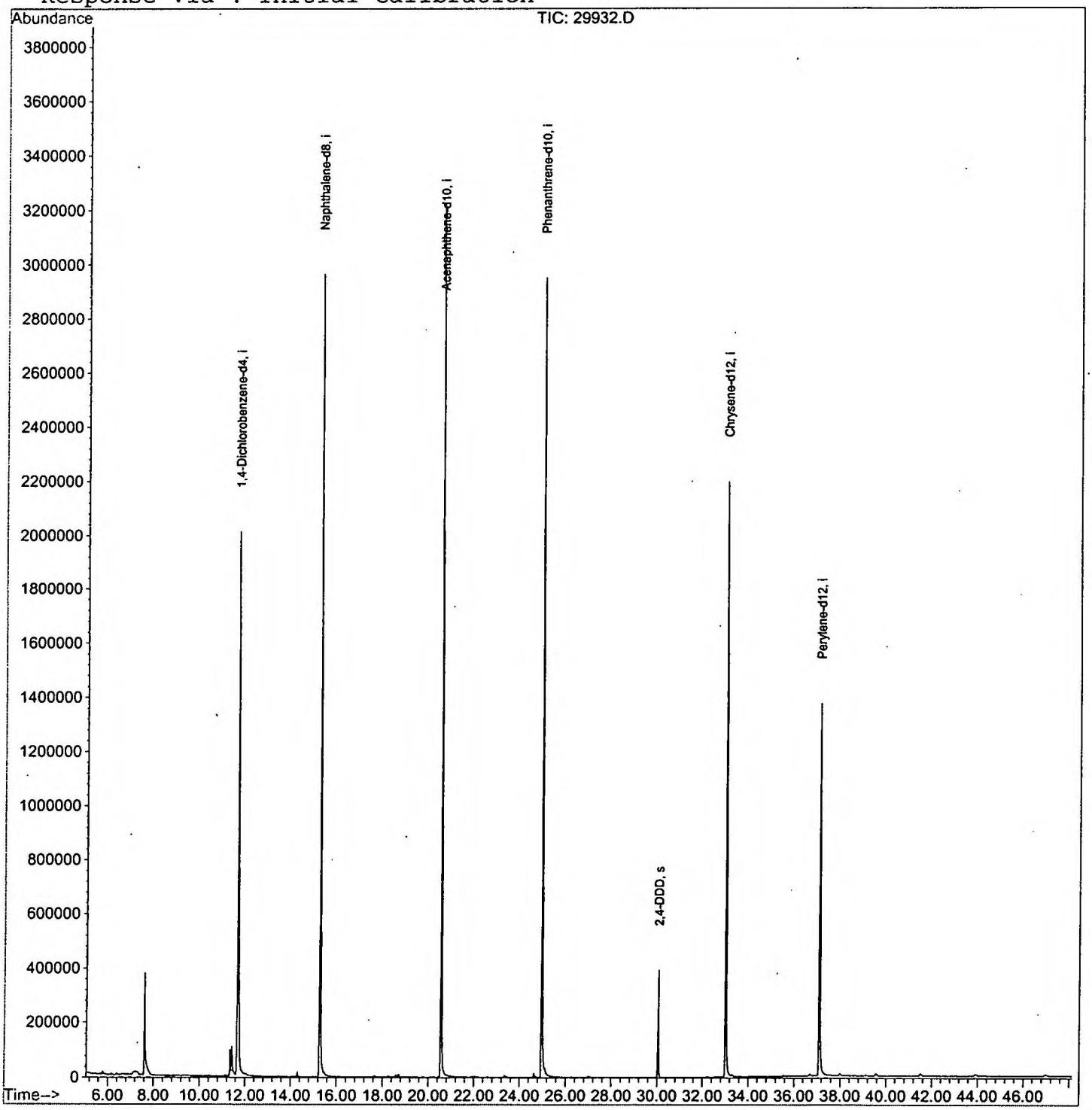
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC1801\29932.D
Acq On : 19 Dec 2001 6:44 am
Sample : gc/ms scan 12/11
Misc :
MS Integration Params: GOOFY.P
Quant Time: Jan 15 11:07 2002

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
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






NYC-WTC_000037356

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# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC1801\29932.D  Vial: 16
Acq On : 19 Dec 2001 6:44 am  Operator: 209 GALOS
Sample : gc/ms scan 12/11  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 | 307 | rBV | 374000 | 1173827 | 16.06% | 3.064% |
| 2 | 11.345 | 683 | 686 | 691 | rBV | 94406 | 206413 | 2.82% | 0.539% |
| 3 | 11.428 | 691 | 695 | 715 | rVB | 105277 | 325883 | 4.46% | 0.851% |
| 4 | 11.675 | 715 | 722 | 740 | rBV | 2006424 | 5592982 | 76.51% | 14.601% |
| 5 | 15.274 | 1109 | 1114 | 1132 | rBV | 2962744 | 6759119 | 92.46% | 17.645% |
| 6 | 20.553 | 1683 | 1689 | 1712 | rBV | 3226273 | 7310312 | 100.00% | 19.084% |
| 7 | 24.978 | 2164 | 2171 | 2184 | rBV2 | 2951310 | 6855651 | 93.78% | 17.897% |
| 8 | 30.054 | 2718 | 2724 | 2734 | rBV | 391908 | 823130 | 11.26% | 2.149% |
| 9 | 33.011 | 3039 | 3046 | 3064 | rBV2 | 2197449 | 5256443 | 71.90% | 13.722% |
| 10 | 37.105 | 3484 | 3492 | 3513 | rBV | 1371117 | 4002421 | 54.75% | 10.448% |

Sum of

29932.D GCMS1126.M Tue

Put with batches for hits (pos)

NYC-WTC_000037357

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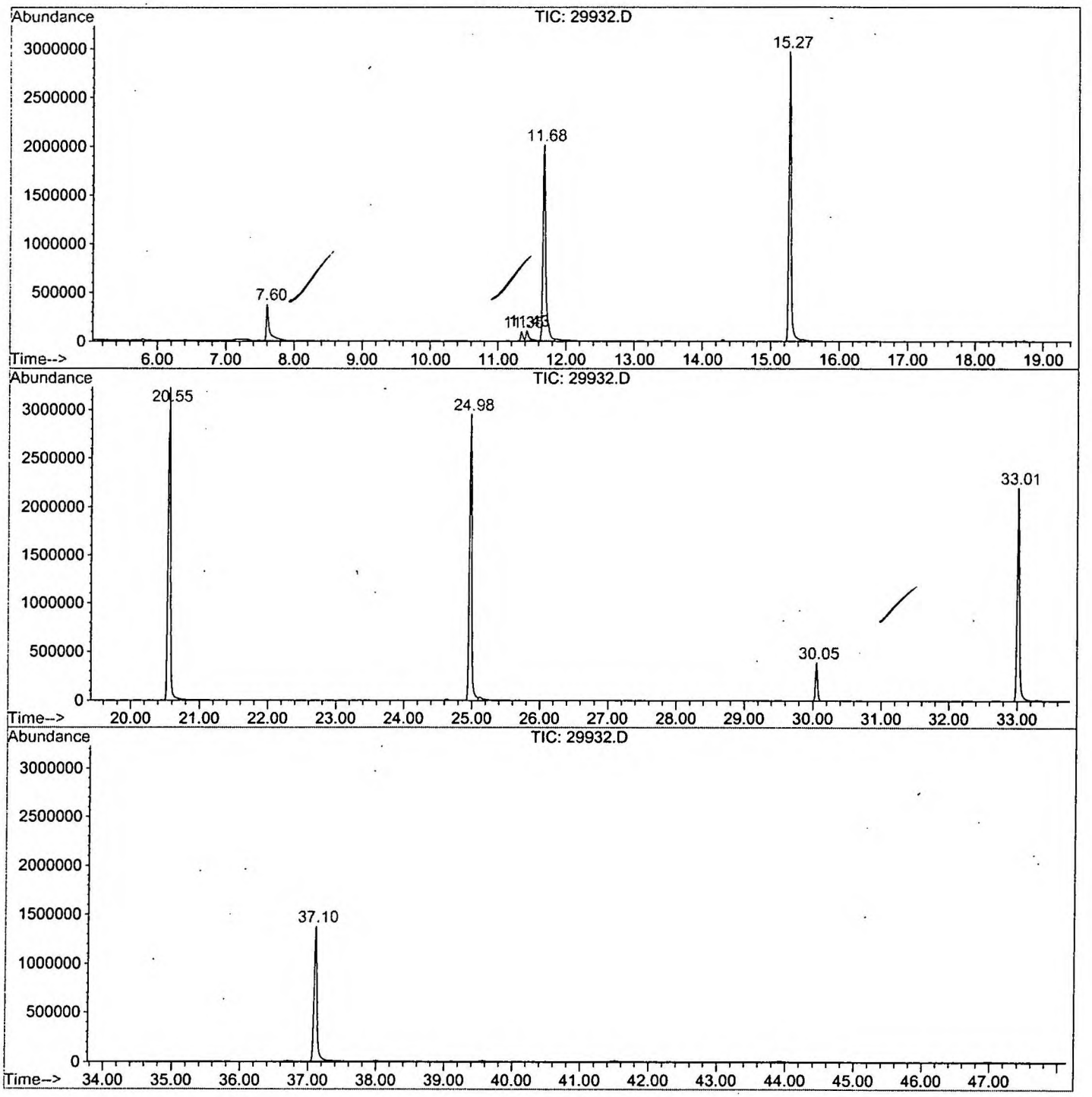
# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1801\29932.D
Operator : 209 GALOS
Acquired : 19 Dec 2001 6:44 am using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: gc/ms scan 12/11
Misc Info :
Vial Number: 16
Quant File :GCMS1126.RES (RTE Integrator)




29932.D GCMS1126.M Tue Jan 15 15:25:59 2002

NYC-WTC_000037358

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1801\29932.D
Acq On : 19 Dec 2001 6:44 am
Sample : gc/ms scan 12/11
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

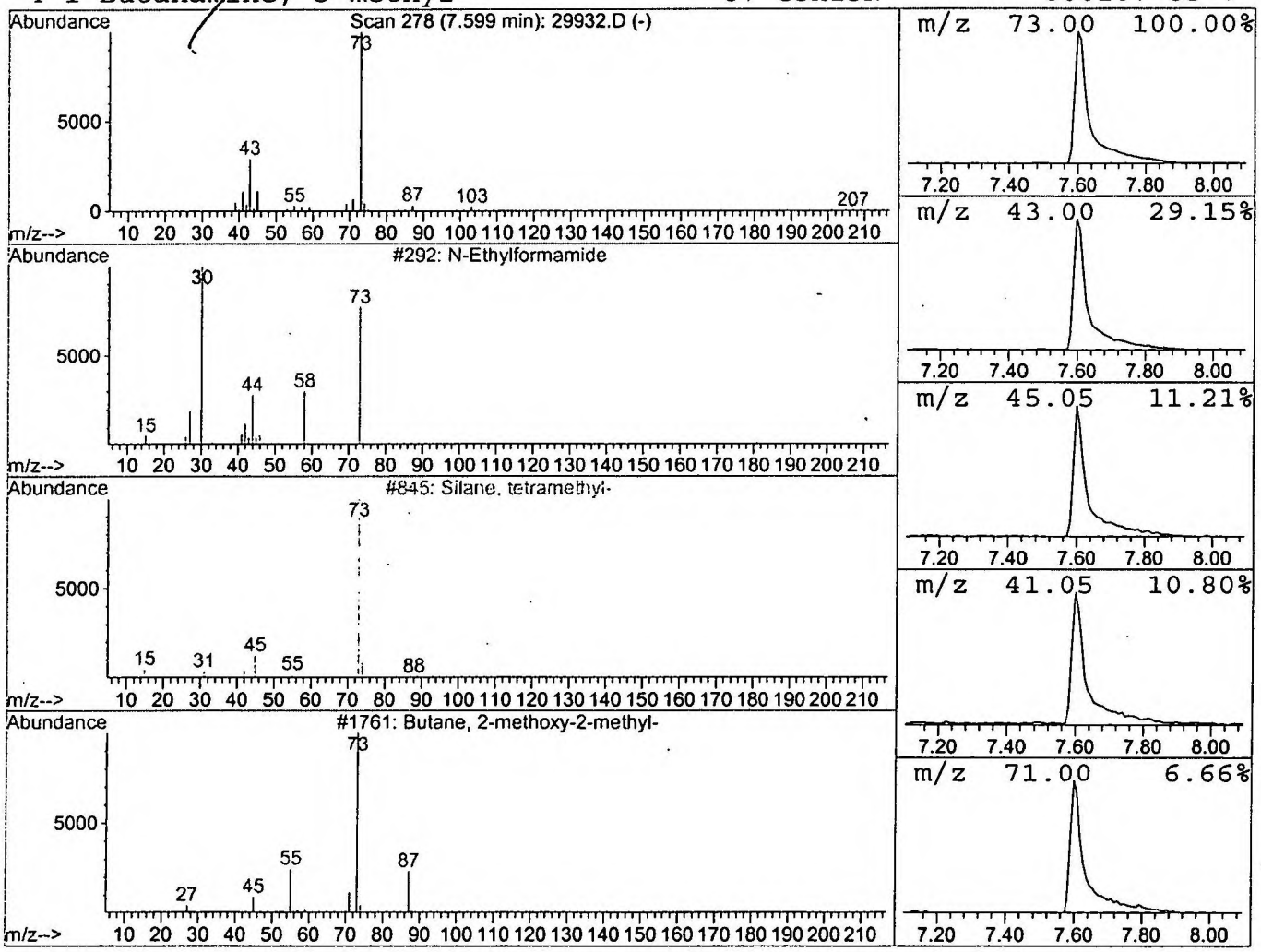
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 N-Ethylformamide Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.60 | 4.20 ug/l | 1173830 | 1,4-Dichlorobenzene-d4 | 11.68 |

| 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 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 9 |
| 4 | 1-Butanamine, 3-methyl- | 87 | C5H13N | 000107-85-7 | 7 |






NYC-WTC_000037359

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1801\29932.D
Acq On : 19 Dec 2001 6:44 am
Sample : gc/ms scan 12/11
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

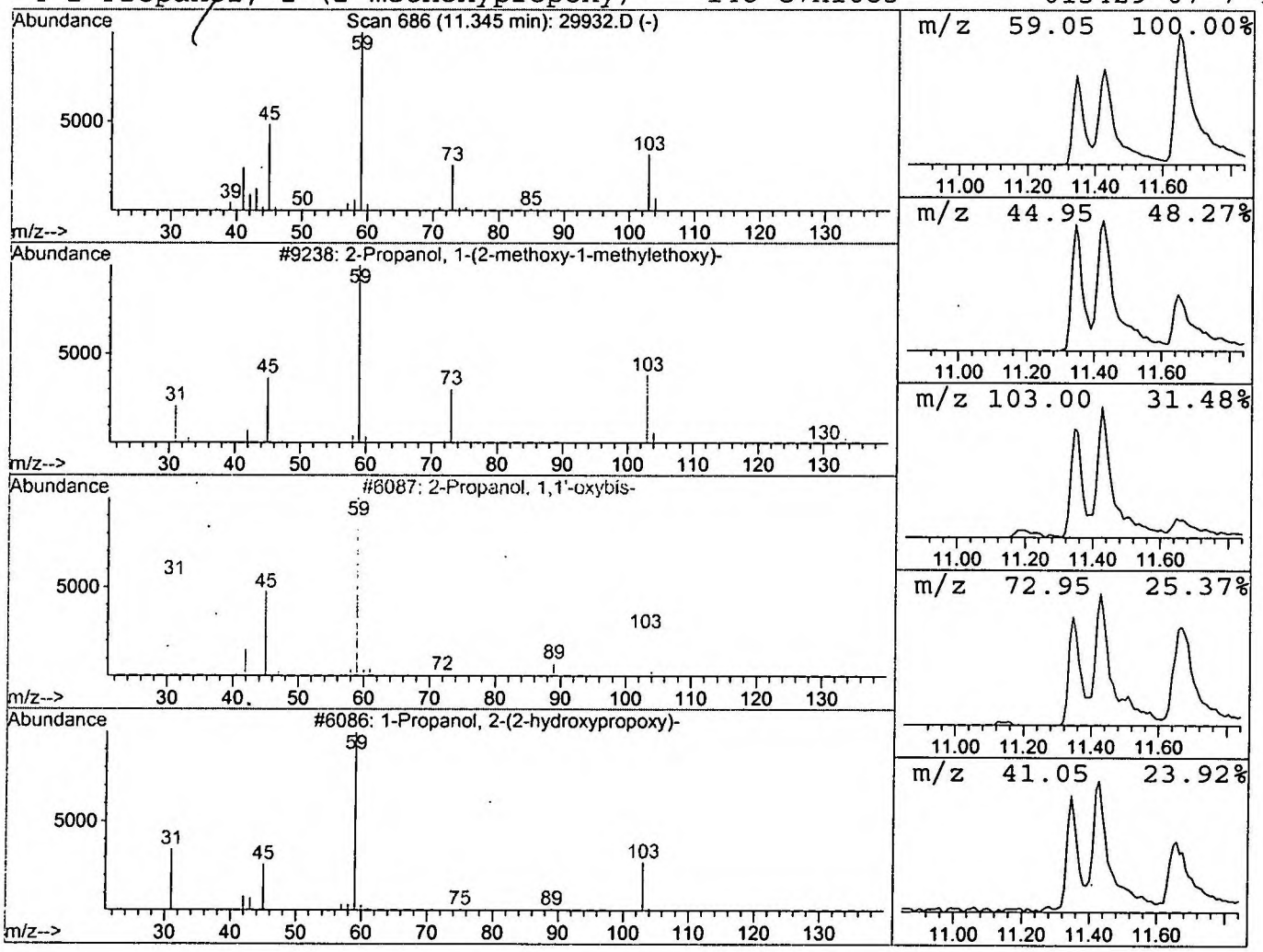
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.35 | 0.74 ug/l | 206413 | 1,4-Dichlorobenzene-d4 | 11.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanol, 1-(2-methoxy-1-methylet | 148 | C7H16O3 | 020324-32-7 | 72 |
| 2 | 2-Propanol, 1,1'-oxybis- | 134 | C6H14O3 | 000110-98-5 | 50 |
| 3 | 1-Propanol, 2-(2-hydroxypropoxy)- | 134 | C6H14O3 | 000106-62-7 | 45 |
| 4 | 2-Propanol, 1-(2-methoxypropoxy)- | 148 | C7H16O3 | 013429-07-7 | 40 |






NYC-WTC_000037360

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1801\29932.D
Acq On : 19 Dec 2001 6:44 am
Sample : gc/ms scan 12/11
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

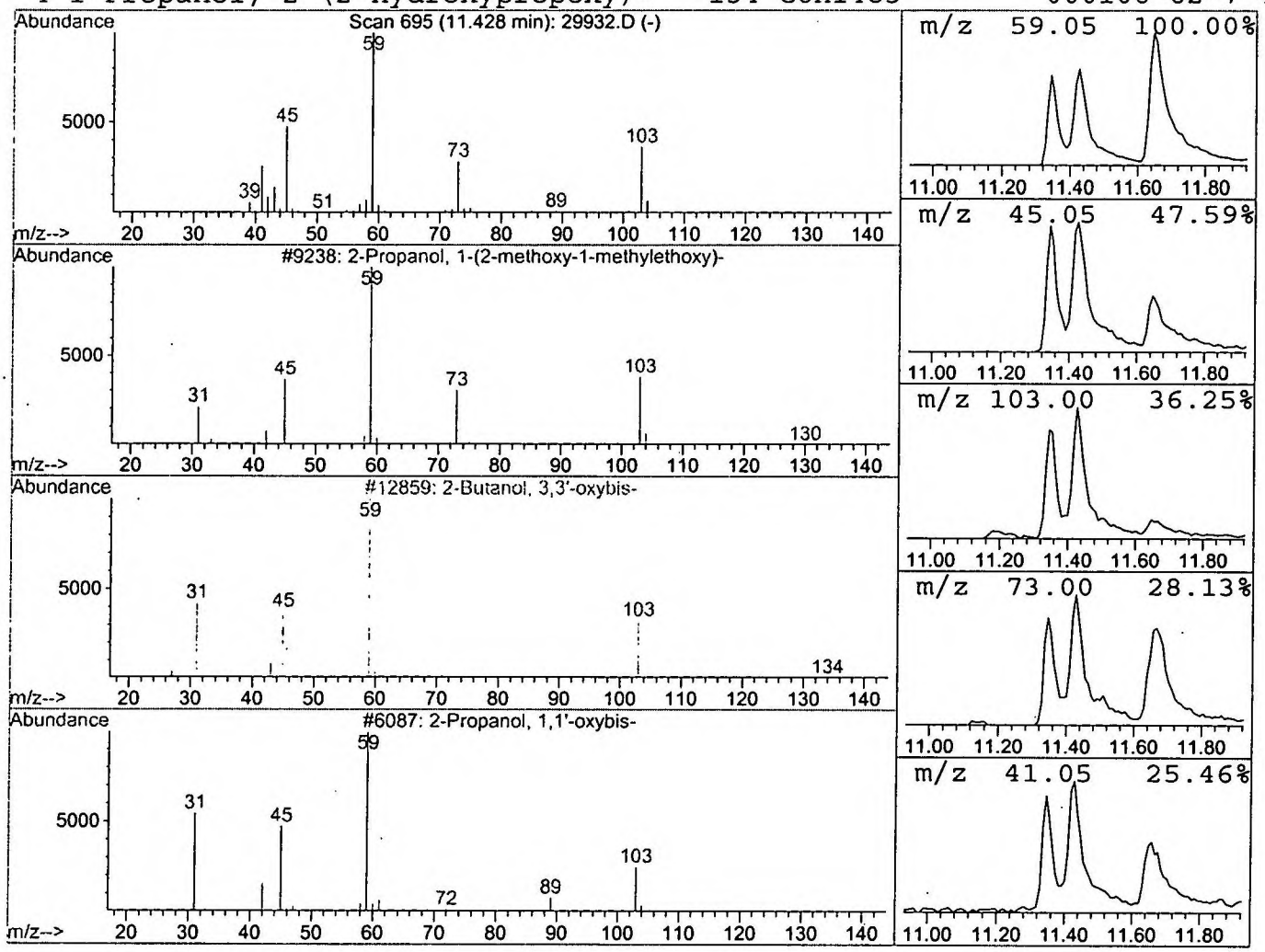
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.43 | 1.17 ug/l | 325883 | 1,4-Dichlorobenzene-d4 | 11.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanol, 1-(2-methoxy-1-methylet | 148 | C7H16O3 | 020324-32-7 | 83 |
| 2 | 2-Butanol, 3,3'-oxybis- | 162 | C8H18O3 | 054305-61-2 | 64 |
| 3 | 2-Propanol, 1,1'-oxybis- | 134 | C6H14O3 | 000110-98-5 | 56 |
| 4 | 1-Propanol, 2-(2-hydroxypropoxy)- | 134 | C6H14O3 | 000106-62-7 | 42 |






NYC-WTC_000037361

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# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 19 Dec 2001 6:44 am
Data File: C:\HPCHEM\1\DATA\DEC1801\29932.D
Name: gc/ms scan 12/11
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-~~Ethyl~~formamide | 7.60 | 4.2 | ug/l | 1173830 | ISTD01 | 11.68 | 5592980 | 20.0 |
| 2-Pr~~opanol~~, 1-(2-met | 11.35 | 0.7 | ug/l | 206413 | ISTD01 | 11.68 | 5592980 | 20.0 |
| 2-Pr~~opanol~~, 1-(2-met | 11.43 | 1.2 | ug/l | 325883 | ISTD01 | 11.68 | 5592980 | 20.0 |

29932.D GCMS1126.M Tue Jan 15 15:26:17 2002

NYC-WTC_000037362