**Comments for Sample AD28964 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-15-2001 Time: 09:19:27

A GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds, except for the presence of bis(2-Ethylhexyl)phthalate at an estimated level of 0.43 ug/L. It is also present in the Laboratory Blank at 0.41 ug/L. Recoveries for 5 of the 43 compounds in the LCS Standard were above their acceptance ranges. This sample was received with a pH of less than 2.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/15/2001 Time: 09:18:31

Sample: AD28964
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/15/01 09:17 Ended: 12/15/01 09:17 Analyst: DLV
Page: 1

| | Component Name | Vial | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | [illegible] | [illegible] | [illegible] | | [illegible] |

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0701\28964.D Vial: 10
Acq On : 7 Dec 2001 11:43 pm Operator: 209 GALOS
Sample : 11/29 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 14:48 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 | 11.68 | 152 | 889236 | 20.00 | ug/l | -0.02 |
| 10) Naphthalene-d8 | 15.27 | 136 | 3359823 | 20.00 | ug/l | -0.03 |
| 17) Acenaphthene-d10 | 20.55 | 164 | 1694473 | 20.00 | ug/l | -0.02 |
| 29) Phenanthrene-d10 | 24.98 | 188 | 2440157 | 20.00 | ug/l | -0.01 |
| 38) Chrysene-d12 | 33.01 | 240 | 1508190 | 20.00 | ug/l | -0.02 |
| 44) Perylene-d12 | 37.10 | 264 | 862603 | 20.00 | ug/l | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.05 | 235 | 141137 | 4.86 | ug/mL | -0.02 |
| Spiked Amount 5.000 | | | Recovery = 97.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 5.21 | 74 | 614 | 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 | 13.56 | 82 | 487 | 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 | 1278 | 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 | 21.06 | 165 | 193 | N.D. | | |
| 25) Diethylphthalate | 22.07 | 149 | 961 | 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 | 22.74 | 77 | 197 | N.D. | | |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0701\28964.D Vial: 10
Acq On : 7 Dec 2001 11:43 pm Operator: 209 GALOS
Sample : 11/29 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 14:48 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

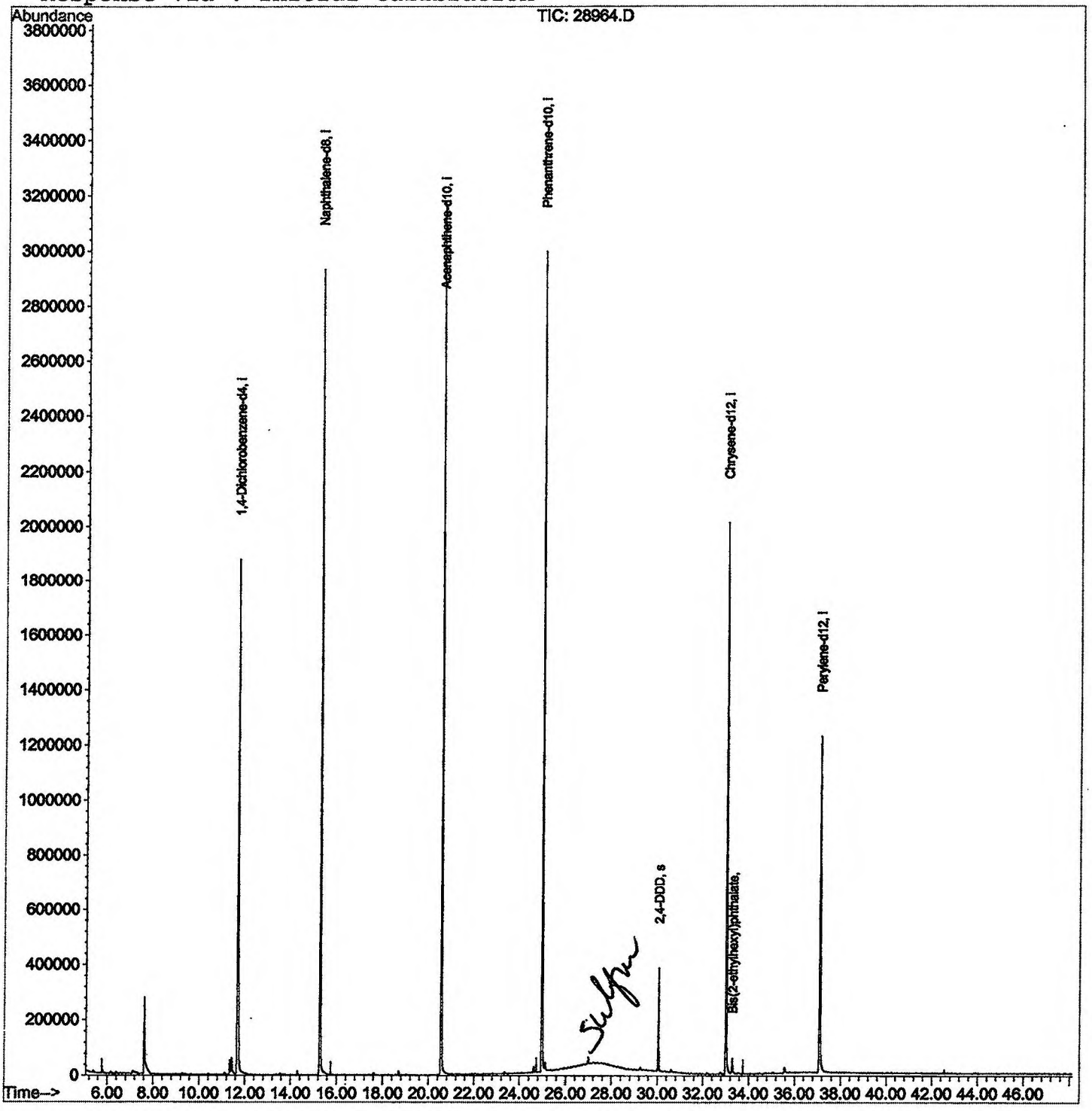
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 30) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) | Phenanthrene | 25.03 | 178 | 152 | N.D. | |
| 34) | Anthracene | 25.03 | 178 | 152 | N.D. | |
| 35) | Di-n-butylphthalate | 26.99 | 149 | 26335 | N.D. | |
| 36) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 39) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 40) | Butylbenzylphthalate | 31.50 | 149 | 986 | N.D. | |
| 41) | Benzo(a)anthracene | 33.01 | 228 | 3746 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.29 | 149 | 39418 | 0.43 ug/l | 96 |
| 43) | Chrysene | 33.01 | 228 | 3746 | N.D. | |
| 45) | Di-n-Octylphthalate | 35.02 | 149 | 638 | N.D. | |
| 46) | Benzo(b)fluoranthene | 36.06 | 252 | 174 | N.D. | |
| 47) | Benzo(k)fluoranthene | 36.06 | 252 | 174 | N.D. | |
| 48) | Benzo(a)pyrene | 37.10 | 252 | 4208 | 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\DEC0701\28964.D Vial: 10
Acq On : 7 Dec 2001 11:43 pm Operator: 209 GALOS
Sample : 11/29 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 14:48 2001 Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Dec 13 14:40:46 2001
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0701\28964.D  Vial: 10
Acq On : 7 Dec 2001 11:43 pm  Operator: 209 GALOS
Sample : 11/29 gc/ms scan  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

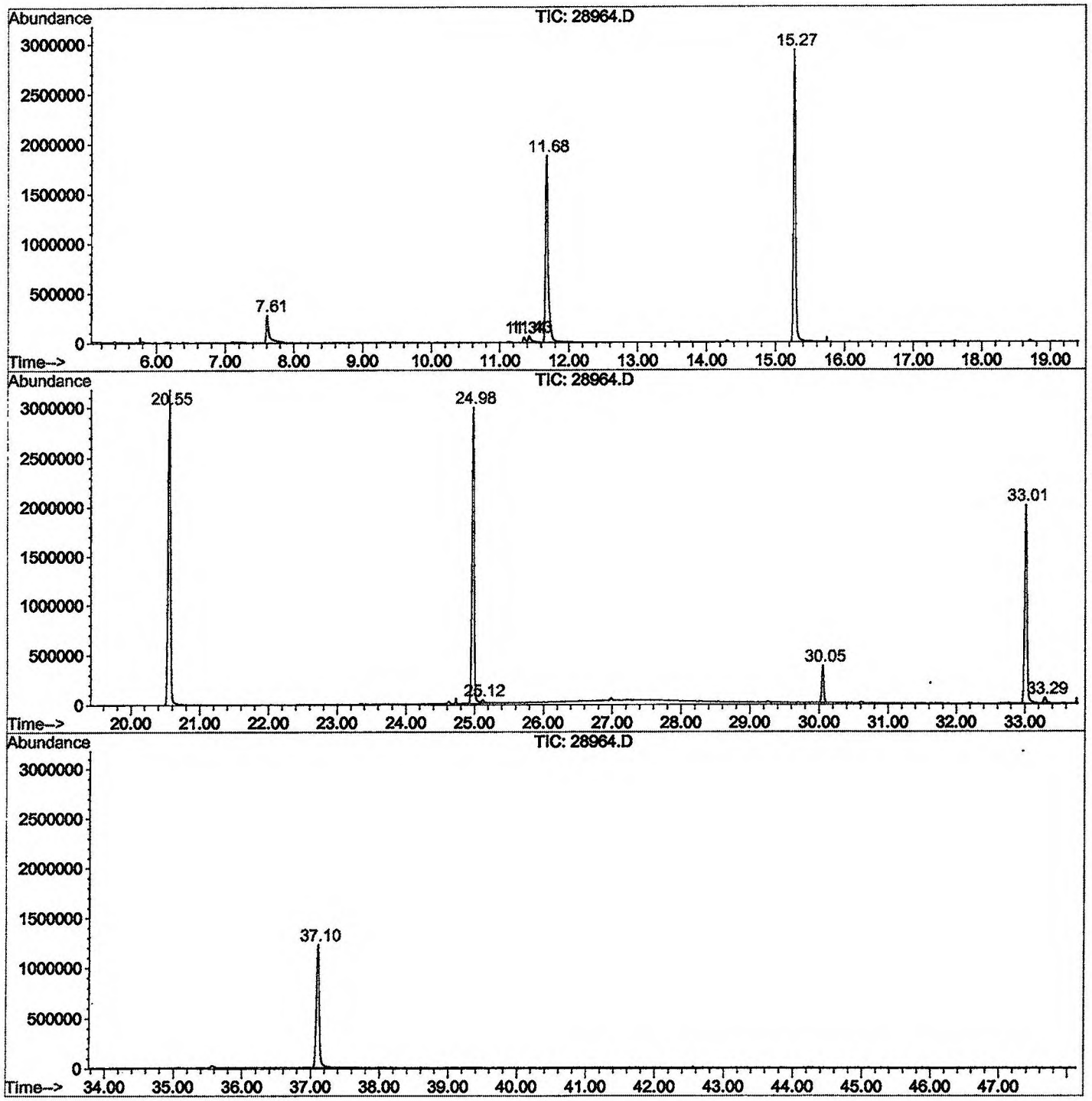
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.608 | 275 | 279 | 312 | rVB | 276988 | 834933 | 12.10% | 2.386% |
| 2 | 11.345 | 683 | 686 | 692 | rBV | 53207 | 132209 | 1.92% | 0.378% |
| 3 | 11.427 | 692 | 695 | 716 | rVB | 60523 | 185233 | 2.69% | 0.529% |
| 4 | 11.675 | 716 | 722 | 740 | rBV | 1875590 | 4960912 | 71.92% | 14.177% |
| 5 | 15.274 | 1109 | 1114 | 1133 | rBV | 2930976 | 6307547 | 91.44% | 18.026% |
| 6 | 20.553 | 1683 | 1689 | 1705 | rBV | 3180081 | 6898070 | 100.00% | 19.714% |
| 7 | 24.978 | 2164 | 2171 | 2183 | rBV2 | 2984230 | 6460679 | 93.66% | 18.464% |
| 8 | 25.115 | 2183 | 2186 | 2196 | rVB | 29127 | 81748 | 1.19% | 0.234% |
| 9 | 30.054 | 2718 | 2724 | 2731 | rVB | 371118 | 759540 | 11.01% | 2.171% |
| 10 | 33.010 | 3039 | 3046 | 3062 | rBV2 | 2008764 | 4725054 | 68.50% | 13.503% |
| 11 | 33.295 | 3071 | 3077 | 3088 | rVB | 54492 | 142536 | 2.07% | 0.407% |
| 12 | 37.105 | 3484 | 3492 | 3517 | rBV2 | 1220013 | 3503089 | 50.78% | 10.011% |

Sum of corrected areas: 34991550

28964.D GCMS1126.M Thu Dec 13 10:19:42 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0701\28964.D
Operator : 209 GALOS
Acquired : 7 Dec 2001 11:43 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/29 gc/ms scan
Misc Info :
Vial Number: 10
Quant File :GCMS1126.RES (RTE Integrator)




28964.D GCMS1126.M Thu Dec 13 10:19:48 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0701\28964.D
Acq On : 7 Dec 2001 11:43 pm
Sample : 11/29 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

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

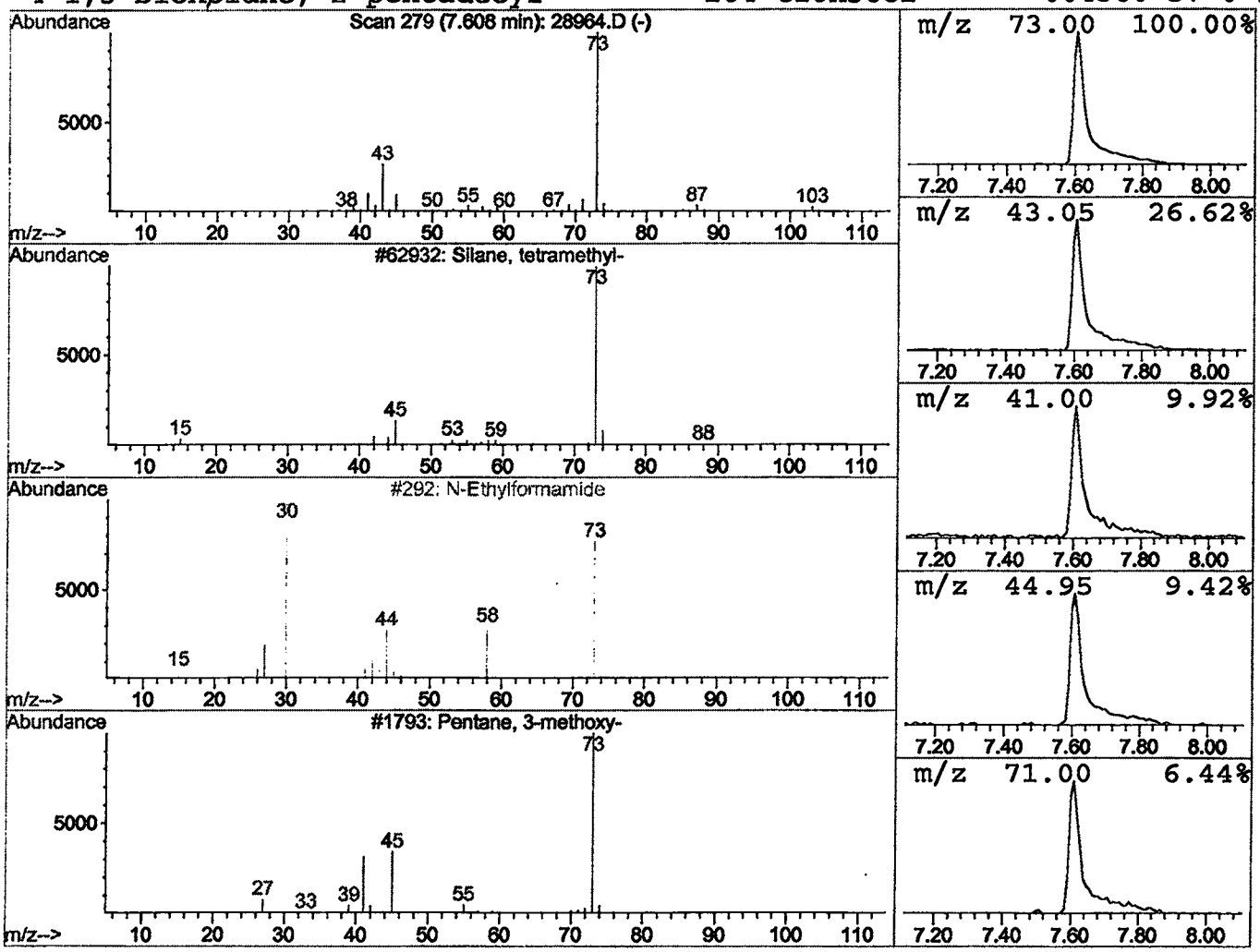
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.61 | 3.37 ug/l | 834933 | 1,4-Dichlorobenzene-d4 | 11.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 47 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |
| 4 | 1,3-Dioxolane, 2-pentadecyl- | 284 | C18H36O2 | 004360-57-0 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0701\28964.D
Acq On : 7 Dec 2001 11:43 pm
Sample : 11/29 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

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

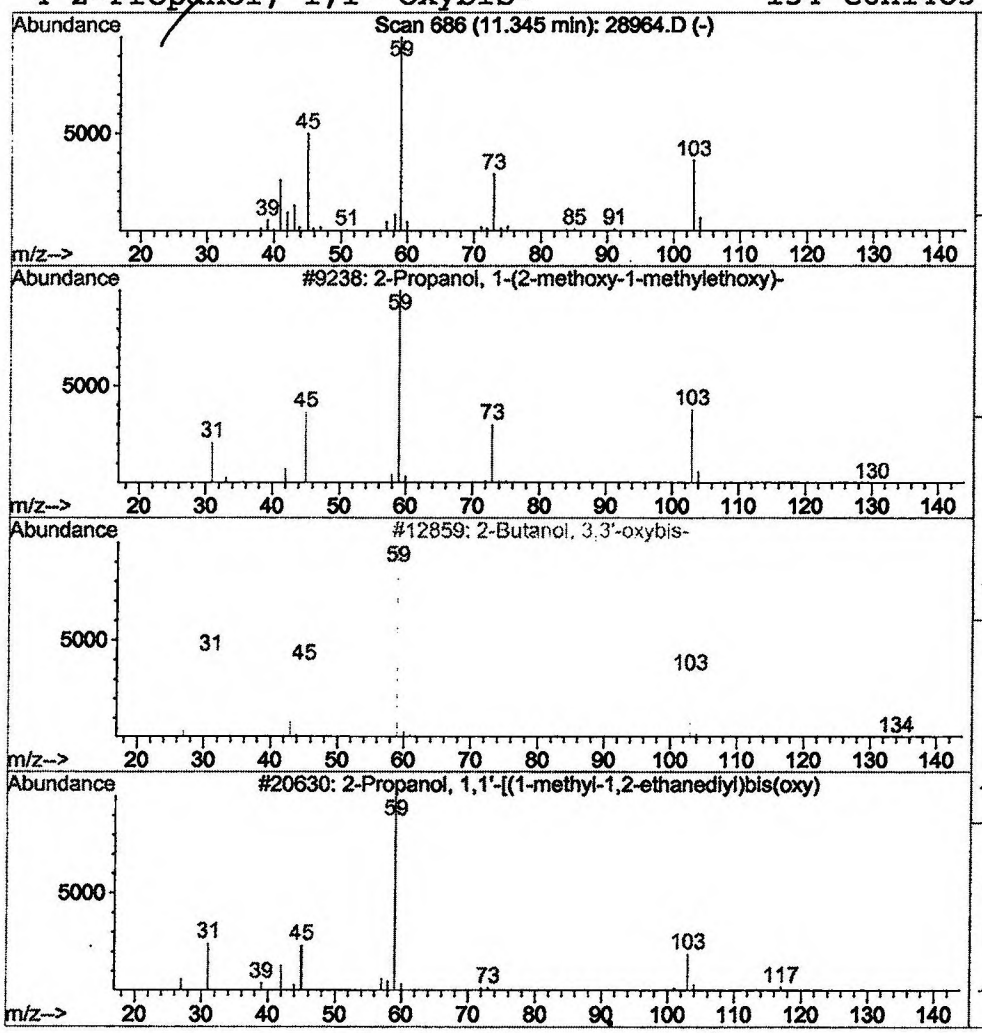
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

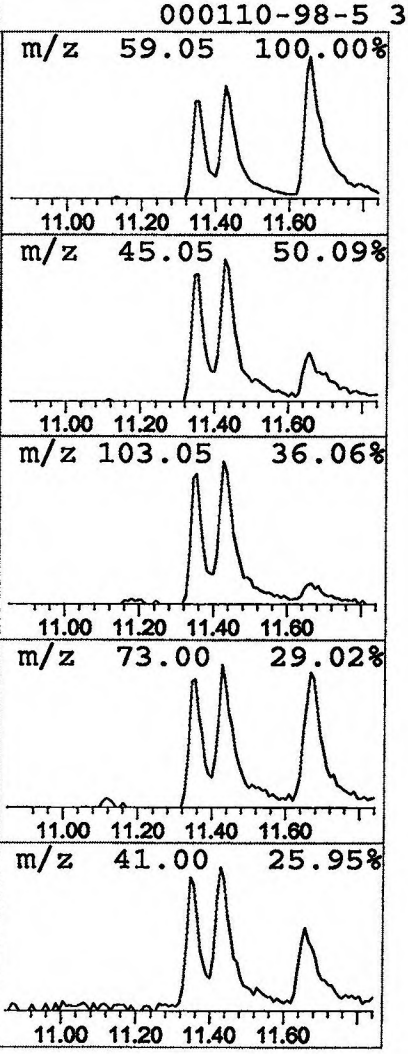
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.34 | 0.53 ug/l | 132209 | 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-Butanol, 3,3'-oxybis- | 162 | C8H18O3 | 054305-61-2 | 50 |
| 3 | 2-Propanol, 1,1'-[(1-methyl-1,2-eth | 192 | C9H20O4 | 001638-16-0 | 40 |
| 4 | 2-Propanol, 1,1'-oxybis- | 134 | C6H14O3 | 000110-98-5 | 39 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0701\28964.D
Acq On : 7 Dec 2001 11:43 pm
Sample : 11/29 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

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

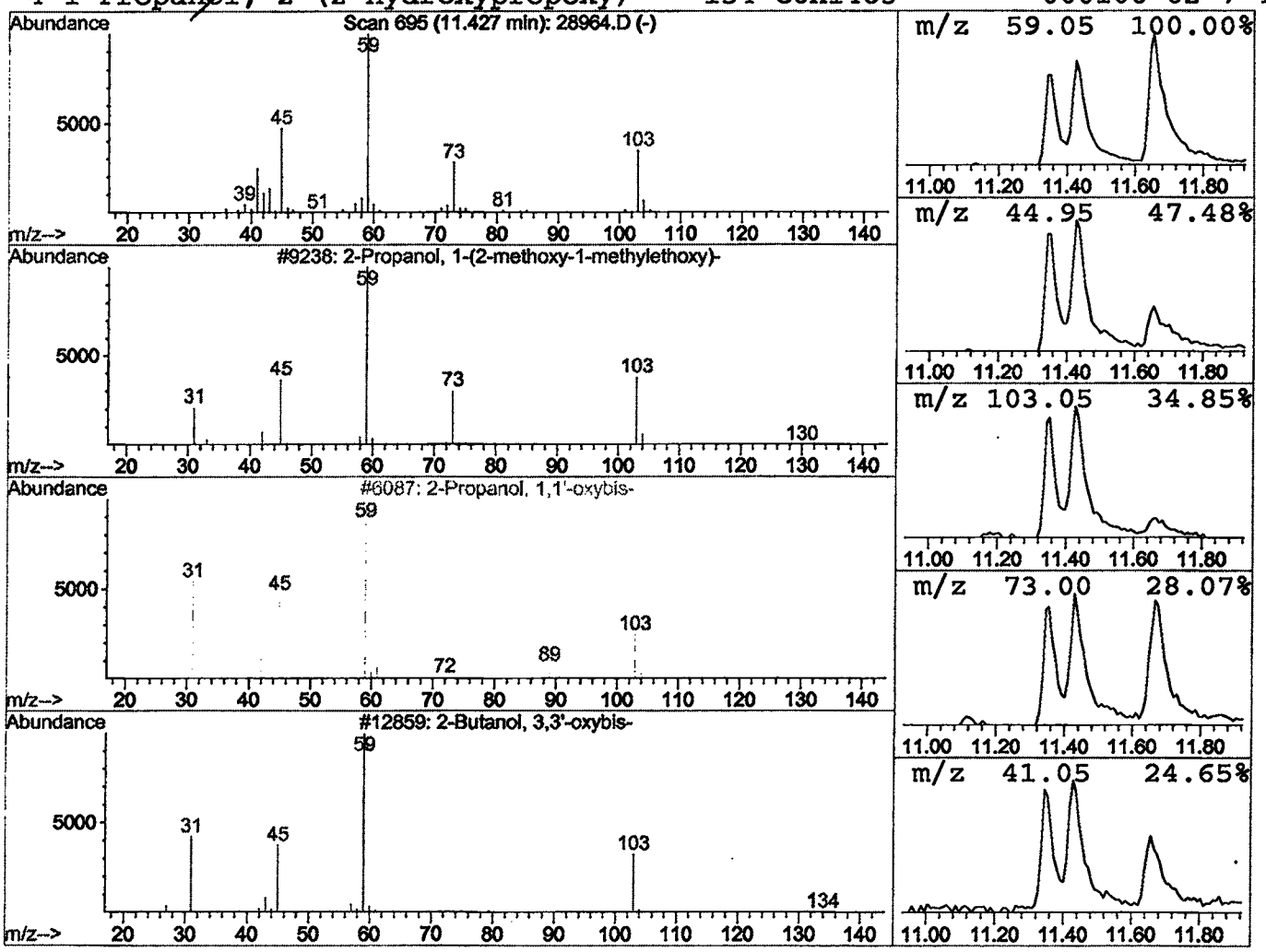
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.43 | 0.75 ug/l | 185233 | 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-Propanol, 1,1'-oxybis- | 134 | C6H14O3 | 000110-98-5 | 50 |
| 3 | 2-Butanol, 3,3'-oxybis- | 162 | C8H18O3 | 054305-61-2 | 45 |
| 4 | 1-Propanol, 2-(2-hydroxypropoxy)- | 134 | C6H14O3 | 000106-62-7 | 42 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 7 Dec 2001 11:43 pm
Data File: C:\HPCHEM\1\DATA\DEC0701\28964.D
Name: 11/29 gc/ms scan
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- | 7.61 | 3.4 | ug/l | 834933 | ISTD01 | 11.68 | 4960910 | 20.0 |
| 2-Propanol, 1-(2-met | 11.34 | 0.5 | ug/l | 132209 | ISTD01 | 11.68 | 4960910 | 20.0 |
| 2-Propanol, 1-(2-met | 11.43 | 0.7 | ug/l | 185233 | ISTD01 | 11.68 | 4960910 | 20.0 |

28964.D GCMS1126.M Thu Dec 13 10:20:06 2001