User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/26/2002 Time: 08:54:25

Sample: AE00898
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/26/02 08:52 Ended: 2/26/02 08:52 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 116 | | 5.0 |

**Comments for Sample AE00898 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-26-2002 Time: 08:54:47

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB1102\898.D Vial: 32
Acq On : 12 Feb 2002 6:18 pm Operator: 209 GALOS
Sample : GC/MS SCAN 1/14 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 12 19:06 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Feb 08 15:29:22 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.35 | 152 | 236738 | 20.00 | ug/l | 0.00 |
| 10) Naphthalene-d8 | 15.99 | 136 | 882004 | 20.00 | ug/l | 0.00 |
| 17) Acenaphthene-d10 | 21.30 | 164 | 470970 | 20.00 | ug/l | 0.00 |
| 29) Phenanthrene-d10 | 25.76 | 188 | 700250 | 20.00 | ug/l | 0.00 |
| 38) Chrysene-d12 | 33.83 | 240 | 493447 | 20.00 | ug/l | -0.02 |
| 44) Perylene-d12 | 38.11 | 264 | 311725 | 20.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.83 | 235 | 50551 | 5.81 | ug/mL | 0.34 |
| Spiked Amount 5.000 | | | Recovery = 116.20% | | | |
| **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 | 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 | 16.05 | 128 | 225 | 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 | 0.00 | 165 | 0 | N.D. | | |
| 25) Diethylphthalate | 0.00 | 149 | 0 | 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\FEB1102\898.D Vial: 32
Acq On : 12 Feb 2002 6:18 pm Operator: 209 GALOS
Sample : GC/MS SCAN 1/14 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 12 19:06 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Feb 08 15:29:22 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

| | 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 | 25.82 | 178 | 177 | N.D. | |
| 34) | Anthracene | 25.82 | 178 | 177 | N.D. | |
| 35) | Di-n-butylphthalate | 27.71 | 149 | 4487 | 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 | 33.83 | 228 | 1922 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 34.03 | 149 | 11456 | 0.35 ug/l # | 99 |
| 43) | Chrysene | 33.89 | 228 | 955 | N.D. | |
| 45) | Di-n-Octylphthalate | 35.77 | 149 | 209 | N.D. | |
| 46) | Benzo(b)fluoranthene | 36.89 | 252 | 1192 | N.D. | |
| 47) | Benzo(k)fluoranthene | 36.97 | 252 | 982 | N.D. | |
| 48) | Benzo(a)pyrene | 37.89 | 252 | 379 | 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. | |

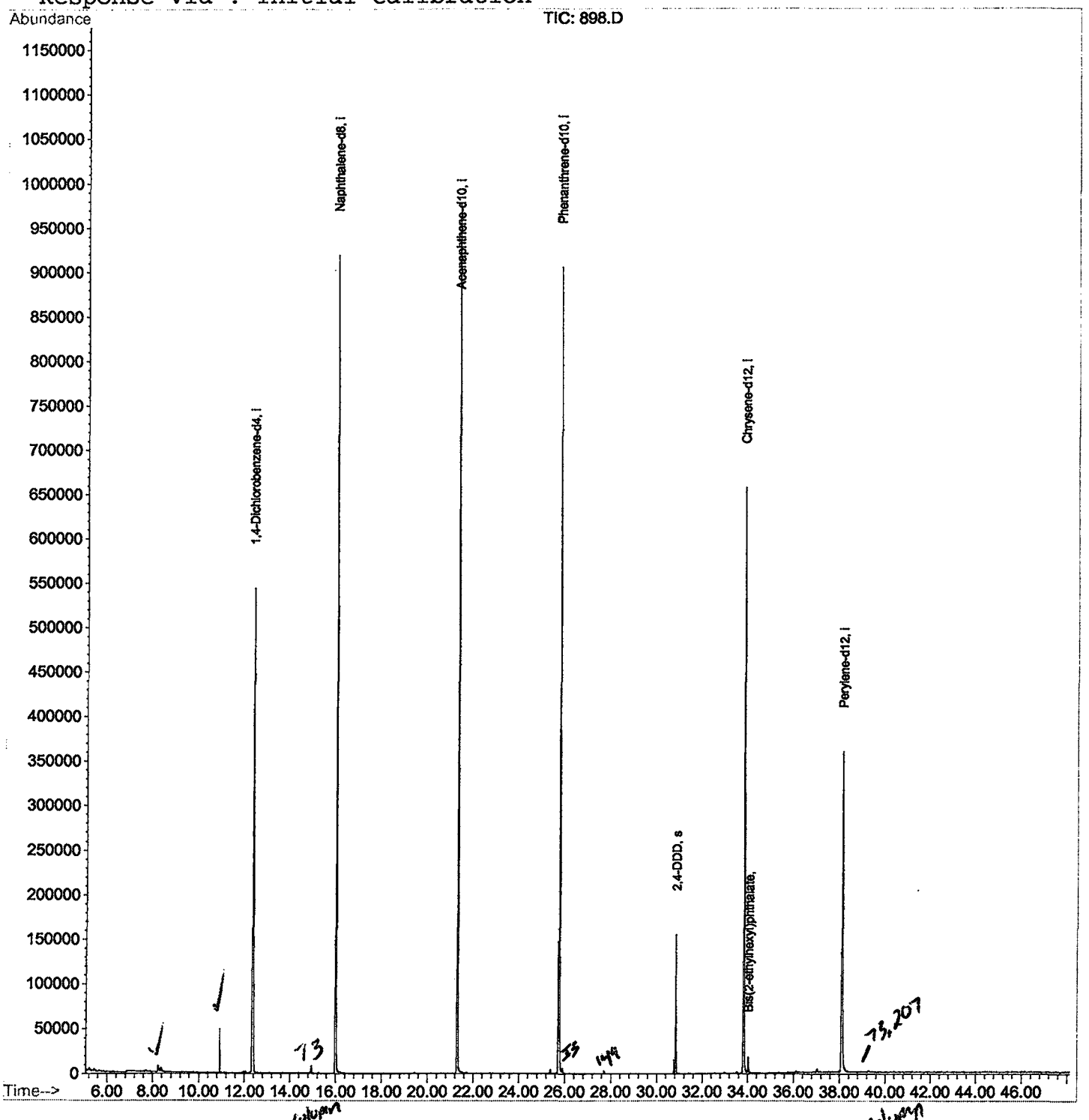
(#) = qualifier out of range (m) = manual integration

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB1102\898.D
Acq On : 12 Feb 2002 6:18 pm
Sample : GC/MS SCAN 1/14
Misc :
MS Integration Params: GOOFY.P
Quant Time: Feb 12 19:06 2002

Vial: 32
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS0208.RES

Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 13 11:43:23 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\FEB1102\898.D  Vial: 32
Acq On : 12 Feb 2002 6:18 pm  Operator: 209 GALOS
Sample : GC/MS SCAN 1/14  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0208.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

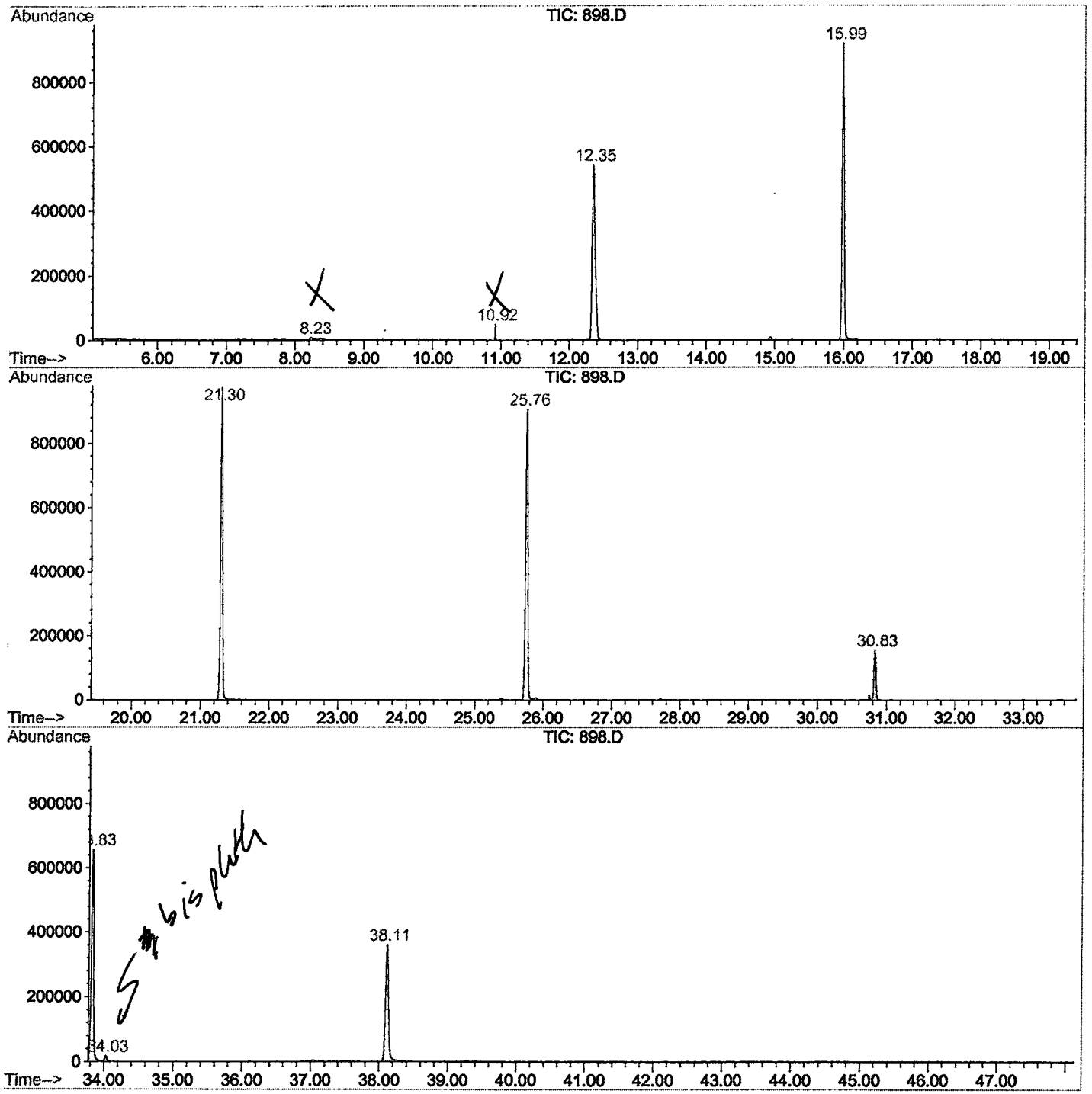
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.232 | 343 | 347 | 356 | rBV | 6939 | 21371 | 1.09% | 0.208% |
| 2 | 10.922 | 639 | 640 | 642 | rBV | 49349 | 27745 | 1.41% | 0.270% |
| 3 | 12.345 | 790 | 795 | 809 | rVB | 542770 | 1523268 | 77.67% | 14.851% |
| 4 | 15.990 | 1186 | 1192 | 1206 | rBV | 919217 | 1841942 | 93.92% | 17.958% |
| 5 | 21.305 | 1765 | 1771 | 1783 | rBV | 978290 | 1961129 | 100.00% | 19.120% |
| 6 | 25.757 | 2249 | 2256 | 2268 | rBV | 905703 | 1940115 | 98.93% | 18.915% |
| 7 | 30.834 | 2804 | 2809 | 2815 | rVB | 155296 | 307430 | 15.68% | 2.997% |
| 8 | 33.827 | 3128 | 3135 | 3149 | rBV | 656890 | 1510674 | 77.03% | 14.728% |
| 9 | 34.029 | 3152 | 3157 | 3164 | rVB2 | 17943 | 39084 | 1.99% | 0.381% |
| 10 | 38.114 | 3593 | 3602 | 3615 | rBV2 | 358373 | 1084454 | 55.30% | 10.573% |

Sum of corrected areas: 10257212

898.D GCMS0208.M Wed Feb 20 09:52:01 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\FEB1102\898.D
Operator : 209 GALOS
Acquired : 12 Feb 2002 6:18 pm using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: GC/MS SCAN 1/14
Misc Info :
Vial Number: 32
Quant File :GCMS0208.RES (RTE Integrator)




898.D GCMS0208.M Wed Feb 20 09:52:06 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB1102\898.D
Acq On : 12 Feb 2002 6:18 pm
Sample : GC/MS SCAN 1/14
Misc :
MS Integration Params: LSCINT.P

Vial: 32
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

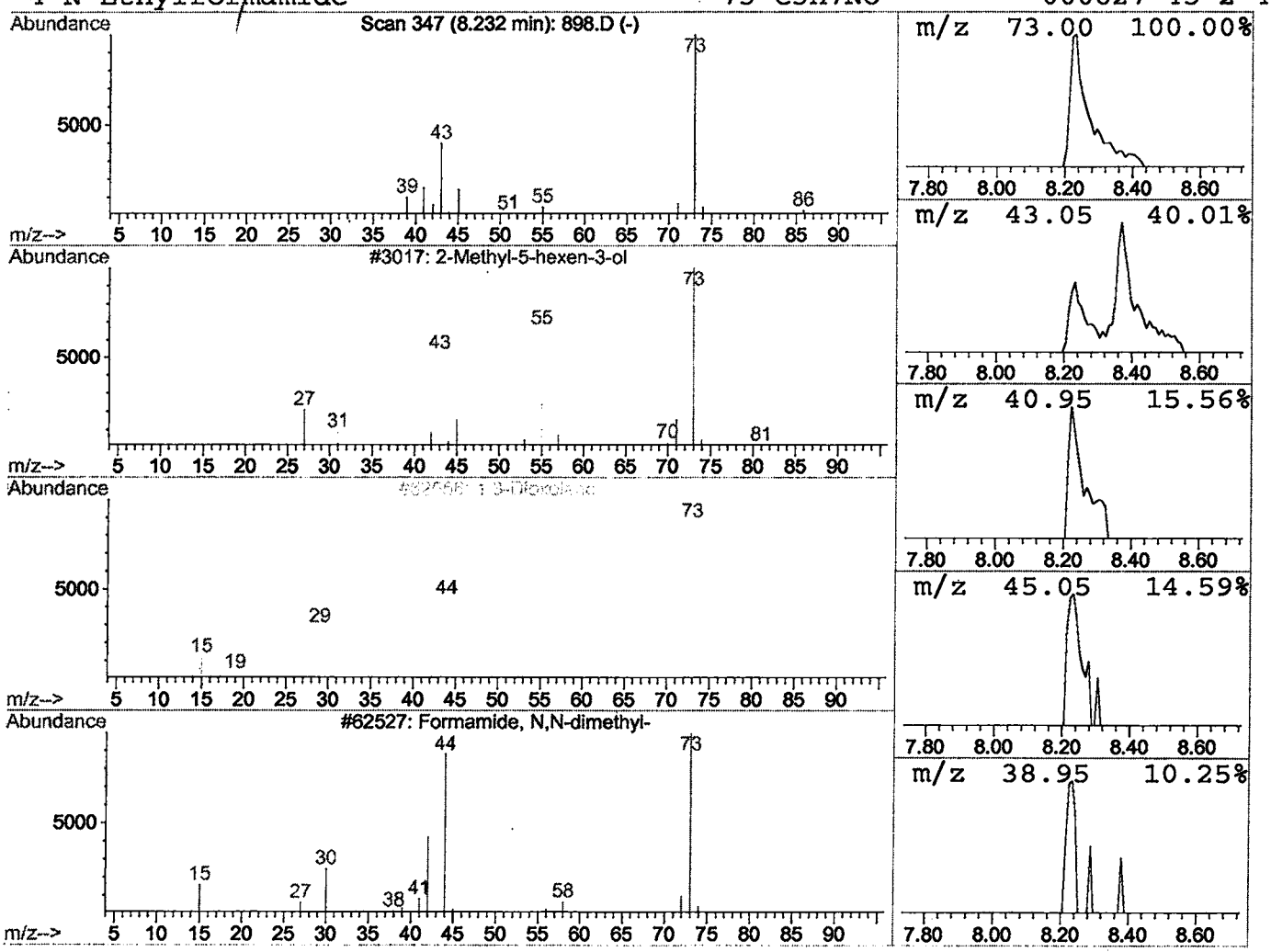
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 2-Methyl-5-hexen-3-ol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.23 | 0.28 ug/l | 21371 | 1,4-Dichlorobenzene-d4 | 12.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 9 |
| 2 | 1,3-Dioxolane | 74 | C3H6O2 | 000646-06-0 | 5 |
| 3 | Formamide, N,N-dimethyl- | 73 | C3H7NO | 000068-12-2 | 4 |
| 4 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 4 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB1102\898.D
Acq On : 12 Feb 2002 6:18 pm
Sample : GC/MS SCAN 1/14
Misc :
MS Integration Params: LSCINT.P

Vial: 32
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

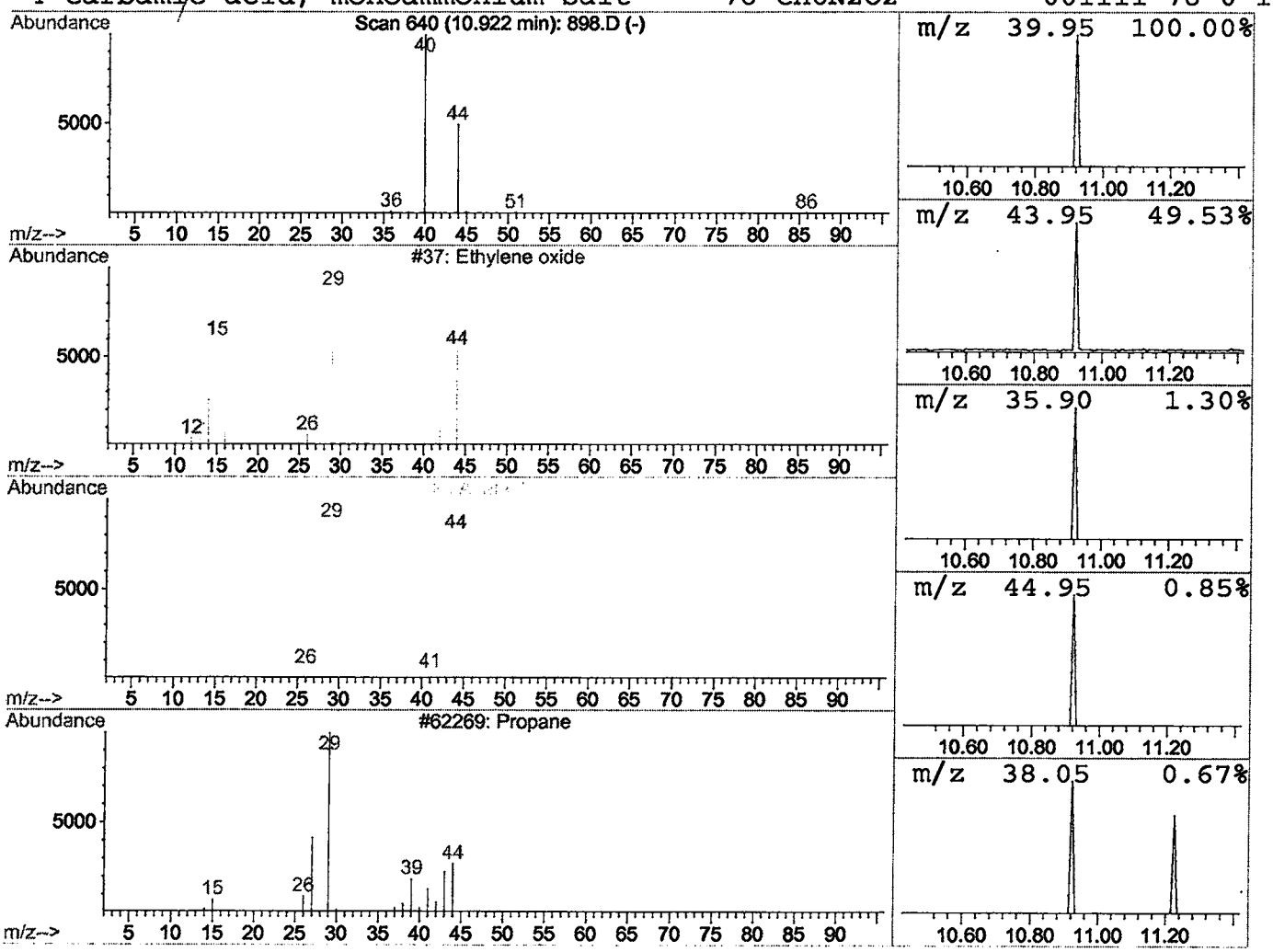
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 Ethylene oxide Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.92 | 0.36 ug/l | 27745 | 1,4-Dichlorobenzene-d4 | 12.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethylene oxide | 44 | C2H4O | 000075-21-8 | 3 |
| 2 | Acetaldehyde | 44 | C2H4O | 000075-07-0 | 3 |
| 3 | Propane | 44 | C3H8 | 000074-98-6 | 1 |
| 4 | Carbamic acid, monoammonium salt | 78 | CH6N2O2 | 001111-78-0 | 1 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 12 Feb 2002 6:18 pm
Data File: C:\HPCHEM\1\DATA\FEB1102\898.D
Name: GC/MS SCAN 1/14
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0208.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 |
|---|---|---|---|---|---|---|---|---|
| 2-Methyl-5-hexen-3-o | 8.23 | 0.3 | ug/l | 21371 | ISTD01 | 12.35 | 1523270 | 20.0 |
| Ethylene oxide | 10.92 | 0.4 | ug/l | 27745 | ISTD01 | 12.35 | 1523270 | 20.0 |

898.D GCMS0208.M Wed Feb 20 09:52:20 2002