User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/26/2002 Time: 08:51:50

Sample: AE00893
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/26/02 08:51 Ended: 2/26/02 08:51 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 115 | | 5.0 |

**Comments for Sample AE00893 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-26-2002 Time: 08:51:57

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\893.D Vial: 42
Acq On : 13 Feb 2002 4:02 am 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 13 4:50 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 | 232373 | 20.00 | ug/l | 0.00 |
| 10) Naphthalene-d8 | 15.99 | 136 | 881725 | 20.00 | ug/l | 0.00 |
| 17) Acenaphthene-d10 | 21.31 | 164 | 466572 | 20.00 | ug/l | 0.00 |
| 29) Phenanthrene-d10 | 25.75 | 188 | 681773 | 20.00 | ug/l | -0.01 |
| 38) Chrysene-d12 | 33.82 | 240 | 476898 | 20.00 | ug/l | -0.02 |
| 44) Perylene-d12 | 38.11 | 264 | 314450 | 20.00 | ug/l | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.84 | 235 | 48544 | 5.73 | ug/mL | 0.34 |
| Spiked Amount 5.000 | | | Recovery = 114.60% | | | |
| **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 | 0.00 | 128 | 0 | 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\893.D Vial: 42
Acq On : 13 Feb 2002 4:02 am 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 13 4:50 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 | 25.76 | 178 | 215 | N.D. | |
| 34) Anthracene | 25.76 | 178 | 215 | N.D. | |
| 35) Di-n-butylphthalate | 27.72 | 149 | 1720 | 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 | 1163 | N.D. | |
| 42) Bis(2-ethylhexyl)phthalate | 34.02 | 149 | 617 | N.D. | |
| 43) Chrysene | 33.83 | 228 | 1163 | 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 | 38.10 | 252 | 1227 | 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. | |

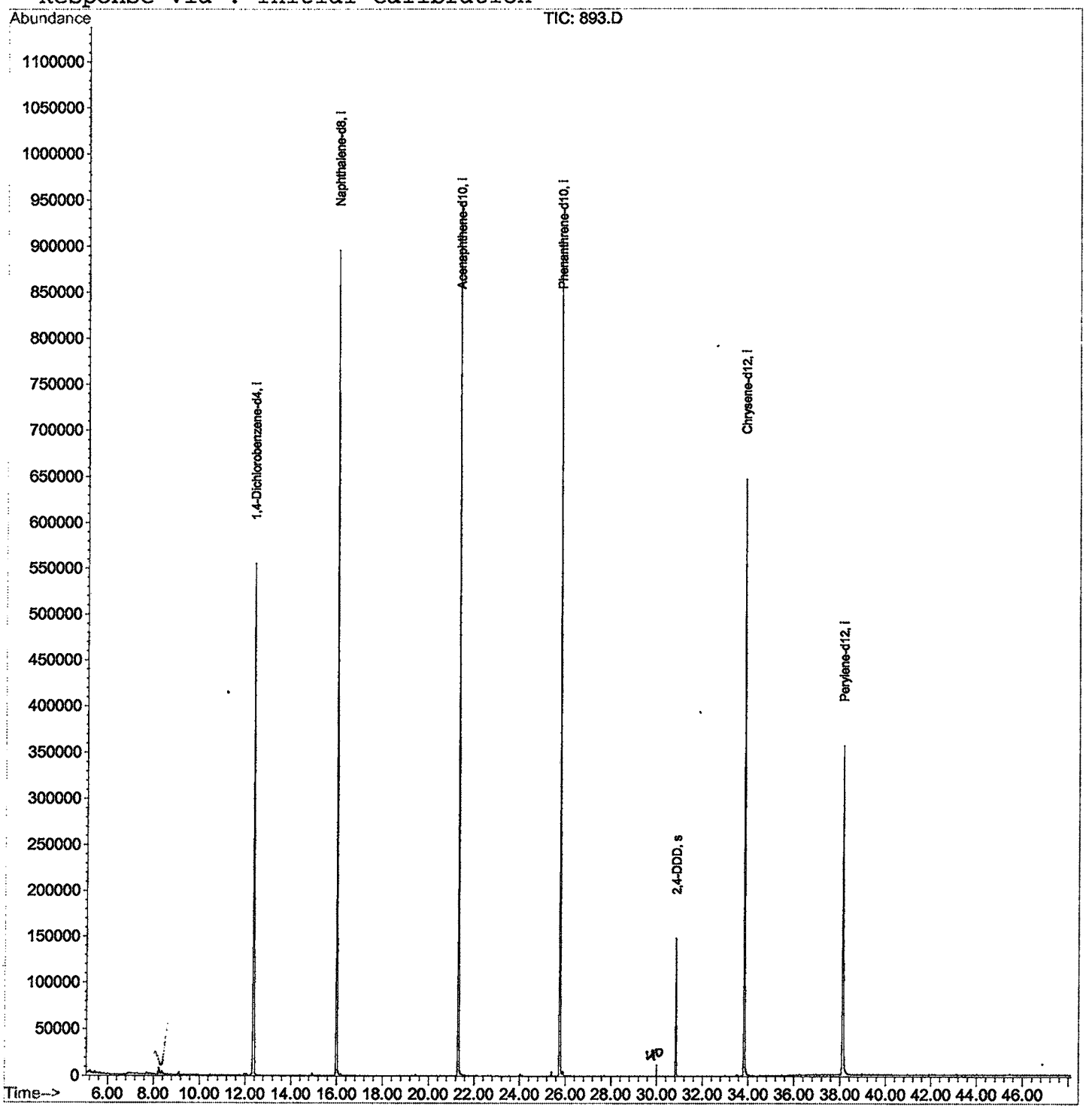
(#) = qualifier out of range (m) = manual integration

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB1102\893.D
Acq On : 13 Feb 2002 4:02 am
Sample : GC/MS SCAN 1/14
Misc :
MS Integration Params: GOOFY.P
Quant Time: Feb 13 4:50 2002

Vial: 42
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\893.D  Vial: 42
Acq On : 13 Feb 2002 4:02 am  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

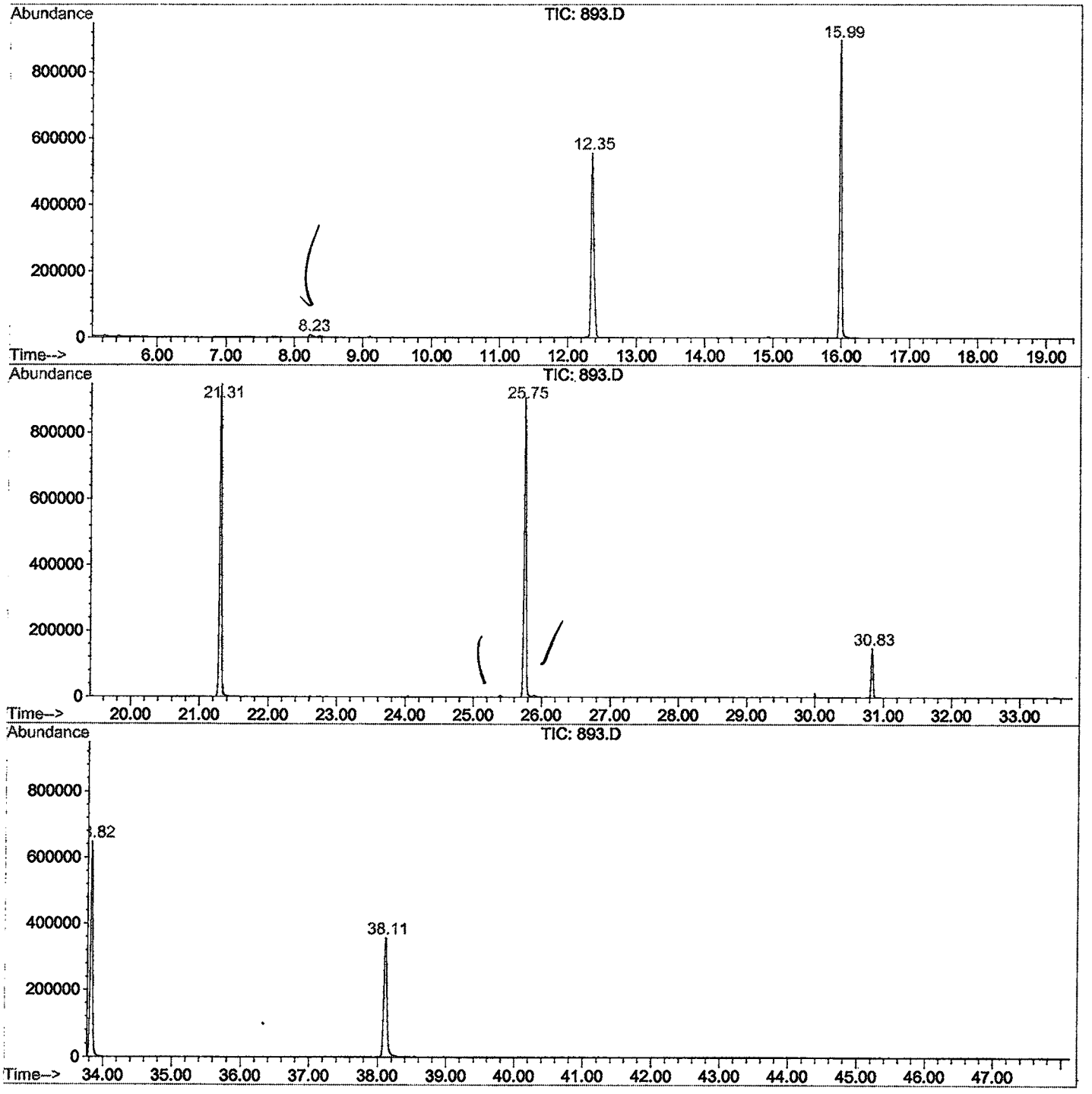
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.226 | 343 | 347 | 358 | rBV | 7398 | 25993 | 1.34% | 0.260% |
| 2 | 12.348 | 790 | 796 | 812 | rVB | 554549 | 1494535 | 76.84% | 14.951% |
| 3 | 15.993 | 1187 | 1193 | 1209 | rBV | 894840 | 1827626 | 93.97% | 18.283% |
| 4 | 21.308 | 1765 | 1772 | 1784 | rBV | 947724 | 1944992 | 100.00% | 19.458% |
| 5 | 25.752 | 2250 | 2256 | 2267 | rBV2 | 907111 | 1883764 | 96.85% | 18.845% |
| 6 | 30.828 | 2804 | 2809 | 2816 | rVB | 148141 | 289698 | 14.89% | 2.898% |
| 7 | 33.821 | 3129 | 3135 | 3152 | rBV | 647292 | 1450880 | 74.60% | 14.514% |
| 8 | 38.108 | 3593 | 3602 | 3619 | rBV2 | 355850 | 1078597 | 55.46% | 10.790% |

Sum of corrected areas: 9996085

893.D GCMS0208.M Wed Feb 20 09:48:53 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\FEB1102\893.D
Operator : 209 GALOS
Acquired : 13 Feb 2002 4:02 am using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: GC/MS SCAN 1/14
Misc Info :
Vial Number: 42
Quant File :GCMS0208.RES (RTE Integrator)




893.D GCMS0208.M Wed Feb 20 09:48:59 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB1102\893.D
Acq On : 13 Feb 2002 4:02 am
Sample : GC/MS SCAN 1/14
Misc :
MS Integration Params: LSCINT.P

Vial: 42
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

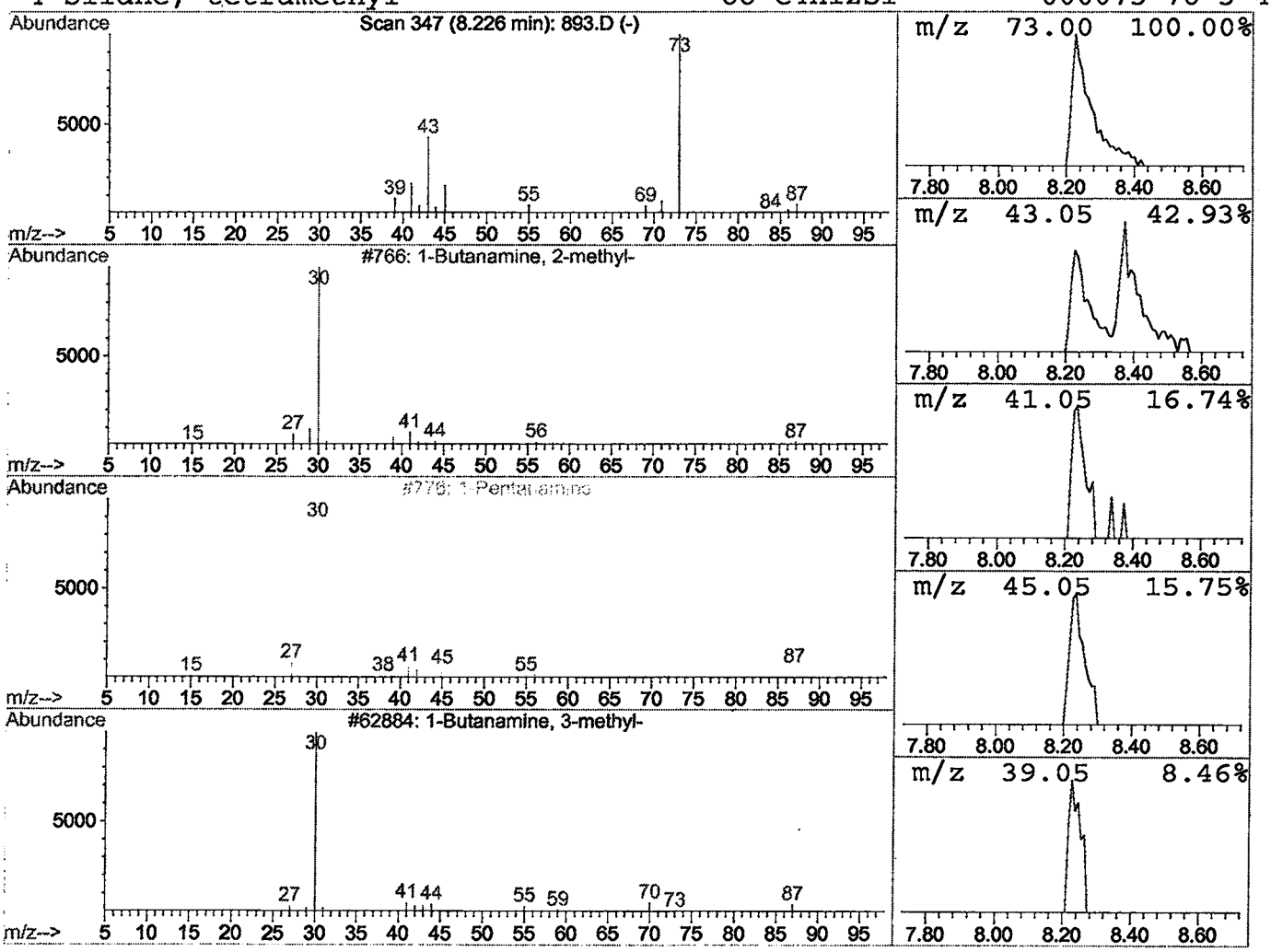
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 1-Butanamine, 2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.23 | 0.35 ug/l | 25993 | 1,4-Dichlorobenzene-d4 | 12.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Butanamine, 2-methyl- | 87 | C5H13N | 000096-15-1 | 5 |
| 2 | 1-Pentanamine | 87 | C5H13N | 000110-58-7 | 5 |
| 3 | 1-Butanamine, 3-methyl- | 87 | C5H13N | 000107-85-7 | 4 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 4 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 13 Feb 2002 4:02 am
Data File: C:\HPCHEM\1\DATA\FEB1102\893.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 |
|---|---|---|---|---|---|---|---|---|
| 1-~~Butanamine, 2-meth~~ | 8.23 | 0.3 | ug/l | 25993 | ISTD01 | 12.35 | 1494540 | 20.0 |

893.D GCMS0208.M Wed Feb 20 09:49:08 2002