User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/15/2002 Time: 18:03:58

Sample: AE03833
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/15/02 18:03 Ended: 3/15/02 18:03 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 72 | | 5.0 |

**Comments for Sample AE03833 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-15-2002 Time: 18:04:13

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 2 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB2102\3833.D Vial: 73
Acq On : 24 Feb 2002 5:52 pm Operator:
Sample : gc/ms scan 2/22 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 28 8:26 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.33 | 152 | 220782 | 20.00 ug/l | -0.02 |
| 10) Naphthalene-d8 | 15.97 | 136 | 840188 | 20.00 ug/l | -0.03 |
| 17) Acenaphthene-d10 | 21.29 | 164 | 442331 | 20.00 ug/l | -0.03 |
| 29) Phenanthrene-d10 | 25.73 | 188 | 618239 | 20.00 ug/l | -0.04 |
| 38) Chrysene-d12 | 33.80 | 240 | 429202 | 20.00 ug/l | -0.05 |
| 44) Perylene-d12 | 38.08 | 264 | 282548 | 20.00 ug/l | -0.05 |
| **System Monitoring Compounds** | | | | | |
| 37) 2,4-DDD | 30.81 | 235 | 43746 | ~~6.78~~ 3.6 ug/mL | 0.32 |
| Spiked Amount 5.000 | | | Recovery = | ~~135.60%~~ 72% | |
| **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 | 16.03 | 128 | 711 | 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 | 20.63 | 163 | 255 | N.D. | |
| 21) 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | |
| 22) Acenaphthylene | 0.00 | 152 | 0 | N.D. | |
| 23) Acenaphthene | 21.39 | 153 | 175 | N.D. | |
| 24) 2,4-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | |
| 25) Diethylphthalate | 22.77 | 149 | 770 | 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)

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Acq On : 24 Feb 2002 5:52 pm Operator:
Sample : gc/ms scan 2/22 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 28 8:26 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

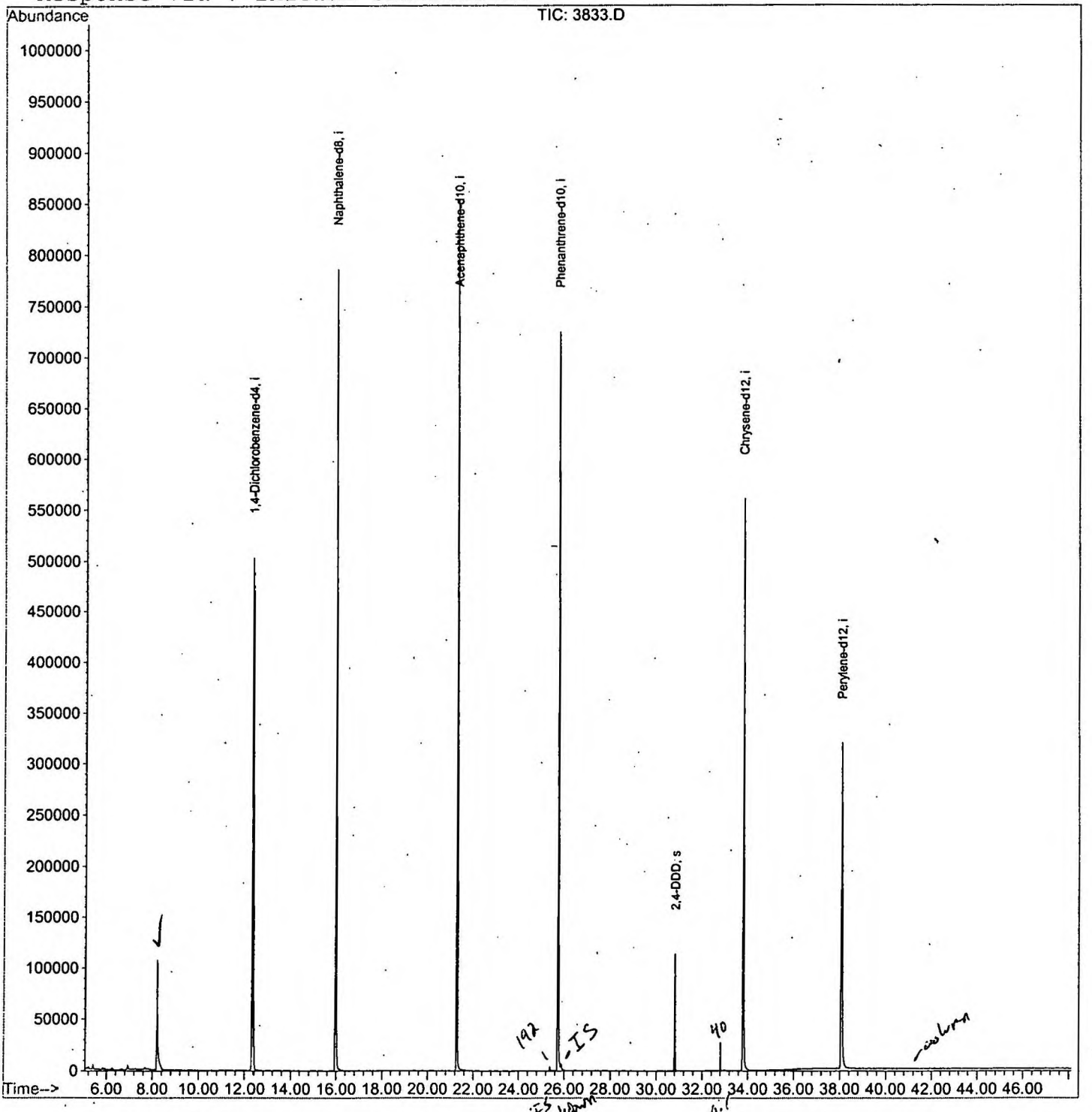
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 30) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) | Phenanthrene | 25.80 | 178 | 773 | N.D. | |
| 34) | Anthracene | 25.93 | 178 | 541 | N.D. | |
| 35) | Di-n-butylphthalate | 27.70 | 149 | 1058 | N.D. | |
| 36) | Fluoranthene | 29.44 | 202 | 580 | N.D. | |
| 39) | Pyrene | 30.10 | 202 | 842 | N.D. | |
| 40) | Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 41) | Benzo(a)anthracene | 33.79 | 228 | 1965 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 34.02 | 149 | 397 | N.D. | |
| 43) | Chrysene | 33.88 | 228 | 991 | N.D. | |
| 45) | Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) | Benzo(b)fluoranthene | 36.88 | 252 | 286 | N.D. | |
| 47) | Benzo(k)fluoranthene | 36.97 | 252 | 500 | N.D. | |
| 48) | Benzo(a)pyrene | 38.08 | 252 | 1383 | 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\FEB2102\3833.D Vial: 73
Acq On : 24 Feb 2002 5:52 pm Operator:
Sample : gc/ms scan 2/22 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 28 8:26 2002 Quant Results File: GCMS0208.RES

Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\FEB2102\3833.D  Vial: 73
Acq On : 24 Feb 2002 5:52 pm  Operator:
Sample : gc/ms scan 2/22  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

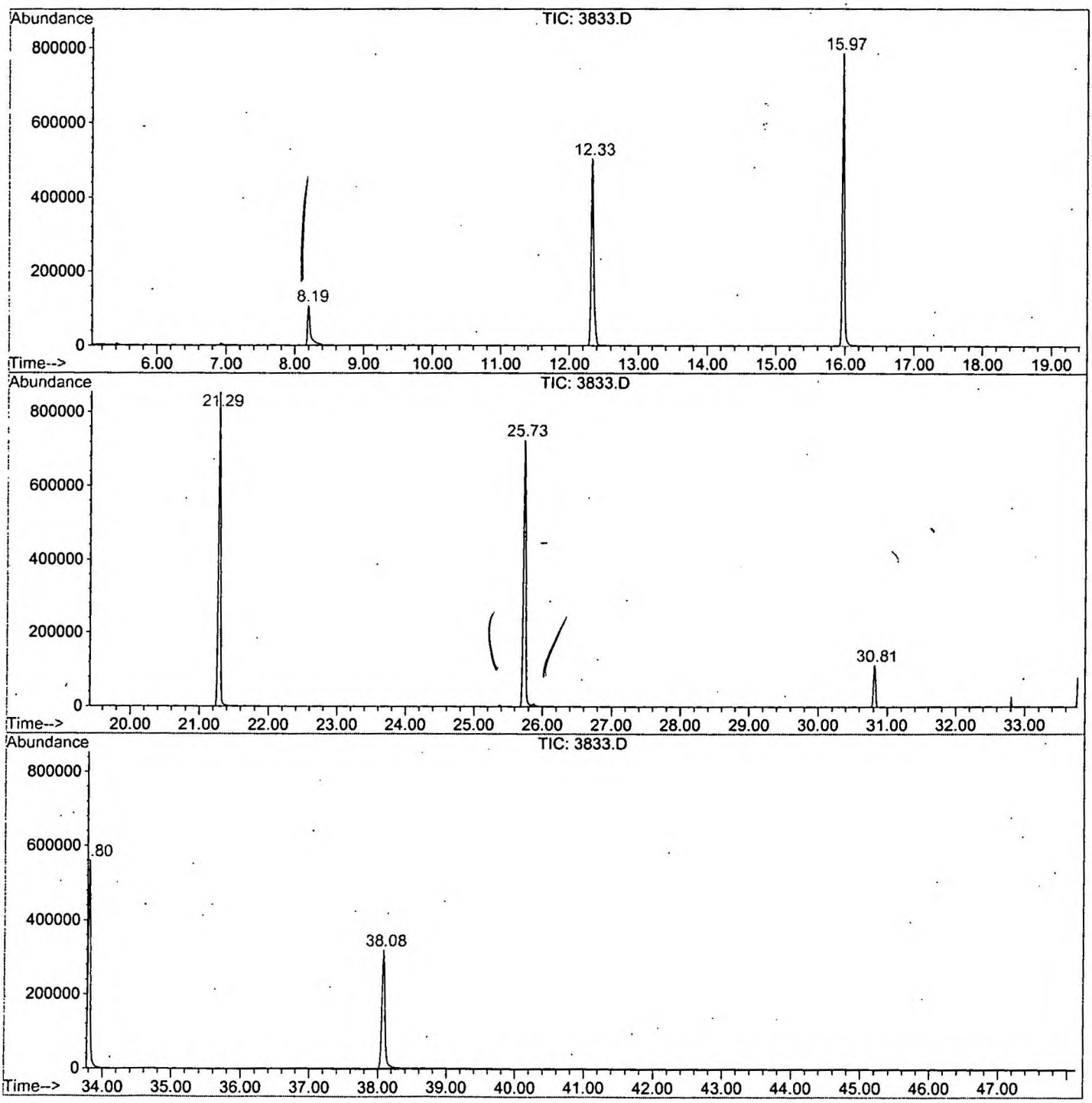
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.194 | 339 | 343 | 368 | rBV | 106664 | 305338 | 17.36% | 3.322% |
| 2 | 12.325 | 789 | 793 | 811 | rVB | 503139 | 1274128 | 72.45% | 13.864% |
| 3 | 15.970 | 1184 | 1190 | 1208 | rBV | 785942 | 1657465 | 94.25% | 18.035% |
| 4 | 21.285 | 1763 | 1769 | 1790 | rBV | 853969 | 1758536 | 100.00% | 19.135% |
| 5 | 25.728 | 2247 | 2253 | 2265 | rBV2 | 724745 | 1651598 | 93.92% | 17.971% |
| 6 | 30.814 | 2802 | 2807 | 2813 | rVB | 113972 | 232305 | 13.21% | 2.528% |
| 7 | 33.798 | 3126 | 3132 | 3152 | rBV2 | 560139 | 1313229 | 74.68% | 14.289% |
| 8 | 38.076 | 3590 | 3598 | 3614 | rBV2 | 318246 | 997680 | 56.73% | 10.856% |

Sum of corrected areas: 9190279

3833.D GCMS0208.M Wed Mar 13 11:32:44 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\FEB2102\3833.D
Operator :
Acquired : 24 Feb 2002 5:52 pm using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: gc/ms scan 2/22
Misc Info :
Vial Number: 73
Quant File :GCMS0208.RES (RTE Integrator)




3833.D GCMS0208.M Wed Mar 13 11:32:50 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB2102\3833.D
Acq On : 24 Feb 2002 5:52 pm
Sample : gc/ms scan 2/22
Misc :
MS Integration Params: LSCINT.P

Vial: 73
Operator:
Inst : GC/MS 209
Multiplr: 1.00

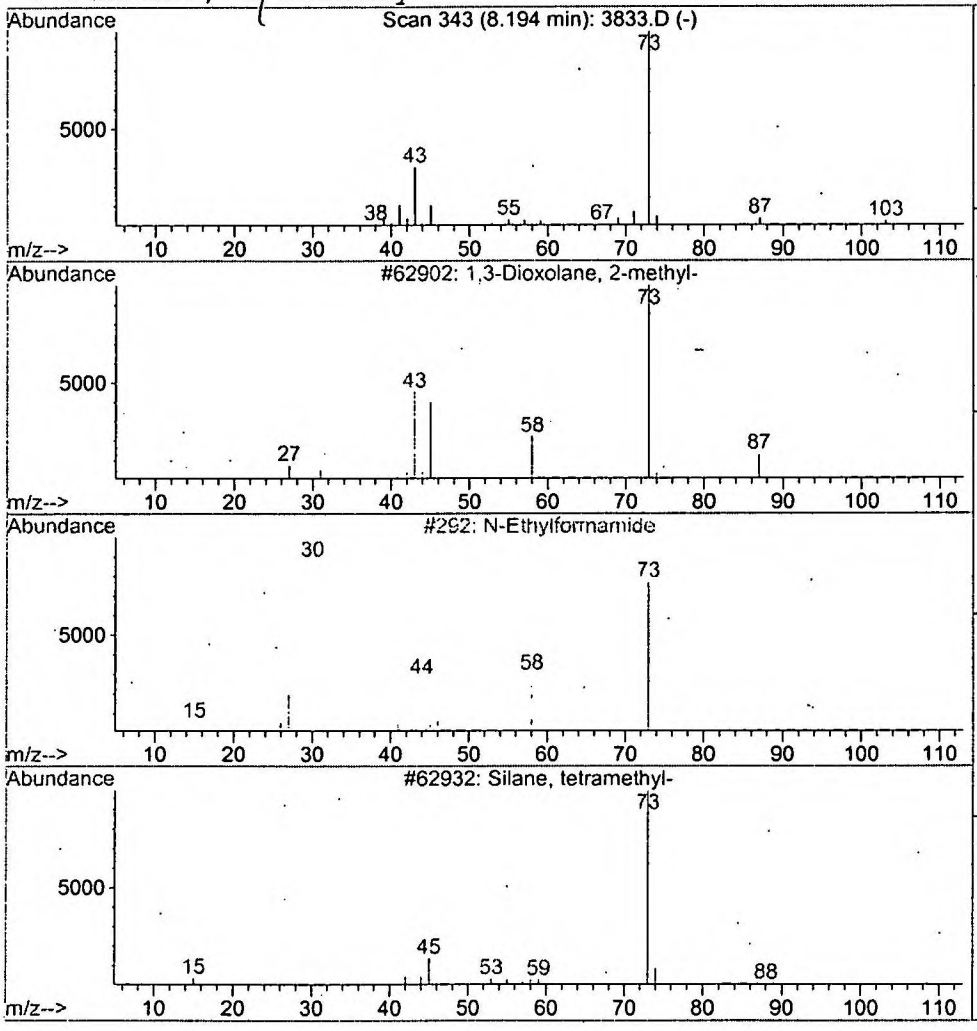
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

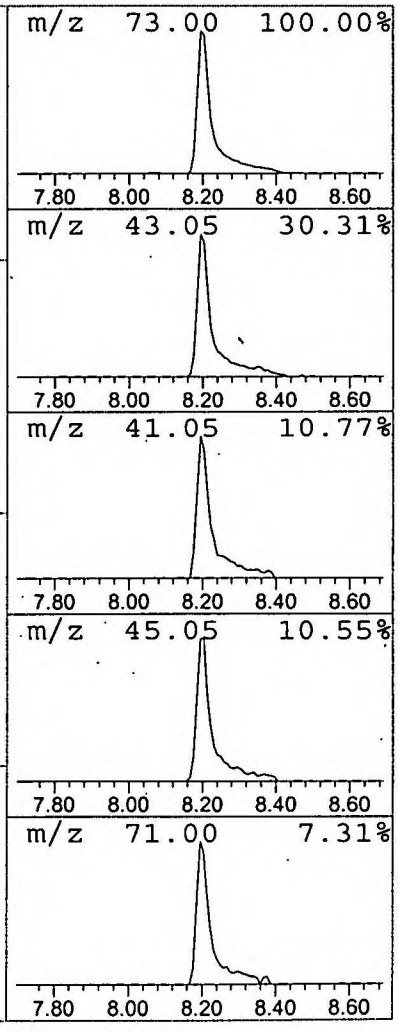
**********

Peak Number 1 1,3-Dioxolane, 2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.19 | 4.79 ug/l | 305338 | 1,4-Dichlorobenzene-d4 | 12.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 9 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |
| 4 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 24 Feb 2002 5:52 pm
Data File: C:\HPCHEM\1\DATA\FEB2102\3833.D
Name: gc/ms scan 2/22
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 |
|---|---|---|---|---|---|---|---|---|
| 1,3-Dioxolane, 2-met | 8.19 | 4.8 | ug/l | 305338 | ISTD01 | 12.33 | 1274130 | 20.0 |

3833.D GCMS0208.M Wed Mar 13 11:32:59 2002