User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/11/2002 Time: 17:35:57

Sample: AD31467
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/11/02 17:35 Ended: 2/11/02 17:35 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 87 | | 5.0 |

**Comments for Sample AD31467 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-11-2002 Time: 17:36:08

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveies for 3 of the 43 compounds in the LCS Standard were above their acceptance ranges. This sample is the Field Blank.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN1602\31467.D Vial: 26
Acq On : 17 Jan 2002 1:03 pm Operator: 209 GALOS
Sample : gc/ms scan 12/28 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 7 12:17 2002 Quant Results File: GCMS0103.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Jan 07 10:31:02 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0103

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.50 | 152 | 791825 | 20.00 | ug/l | -0.03 |
| 10) Naphthalene-d8 | 15.09 | 136 | 3109492 | 20.00 | ug/l | -0.03 |
| 17) Acenaphthene-d10 | 20.36 | 164 | 1541021 | 20.00 | ug/l | -0.03 |
| 29) Phenanthrene-d10 | 24.78 | 188 | 2113545 | 20.00 | ug/l | -0.03 |
| 38) Chrysene-d12 | 32.80 | 240 | 1403873 | 20.00 | ug/l | -0.04 |
| 44) Perylene-d12 | 36.87 | 264 | 937991 | 20.00 | ug/l | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 29.85 | 235 | 105146 | 4.33 | ug/mL | -0.22 |
| Spiked Amount 5.000 | | | Recovery = 86.60% | | | |
| **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 | 15.15 | 128 | 833 | 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 | 20.72 | 165 | 368 | N.D. | | |
| 25) Diethylphthalate | 21.88 | 149 | 384 | 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\JAN1602\31467.D Vial: 26
Acq On : 17 Jan 2002 1:03 pm Operator: 209 GALOS
Sample : gc/ms scan 12/28 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 7 12:17 2002 Quant Results File: GCMS0103.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Jan 07 10:31:02 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0103

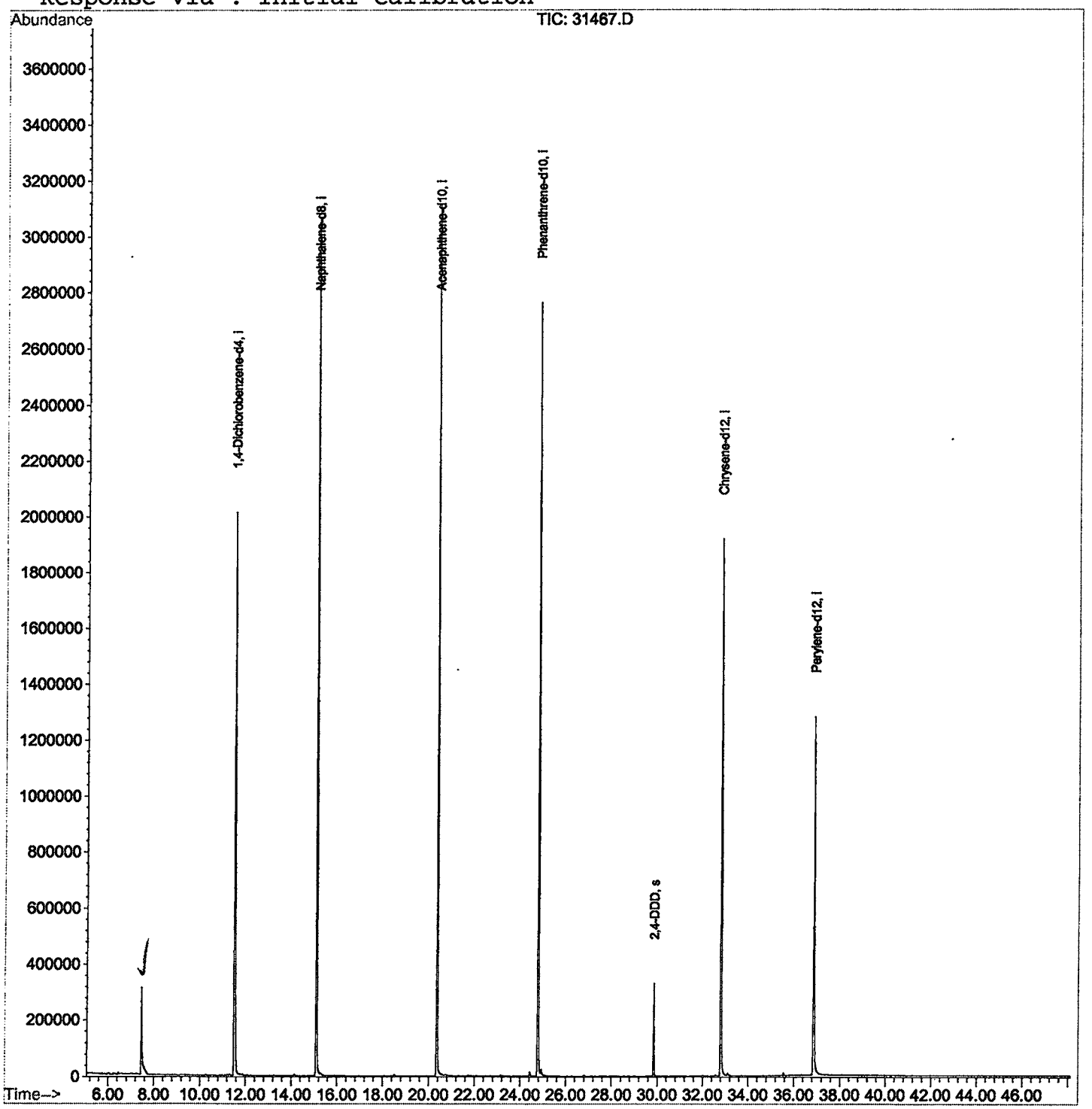
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 30) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) | Phenanthrene | 24.85 | 178 | 284 | N.D. | |
| 34) | Anthracene | 24.85 | 178 | 284 | N.D. | |
| 35) | Di-n-butylphthalate | 26.80 | 149 | 4778 | 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 | 32.81 | 228 | 3583 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.11 | 149 | 7260 | N.D. | |
| 43) | Chrysene | 32.81 | 228 | 3583 | 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 | 36.87 | 252 | 3994 | 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\JAN1602\31467.D Vial: 26
Acq On : 17 Jan 2002 1:03 pm Operator: 209 GALOS
Sample : gc/ms scan 12/28 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 7 12:17 2002 Quant Results File: GCMS0103.RES

Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Jan 07 10:31:02 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\JAN1602\31467.D  Vial: 26
Acq On : 17 Jan 2002 1:03 pm  Operator: 209 GALOS
Sample : gc/ms scan 12/28  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0103.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

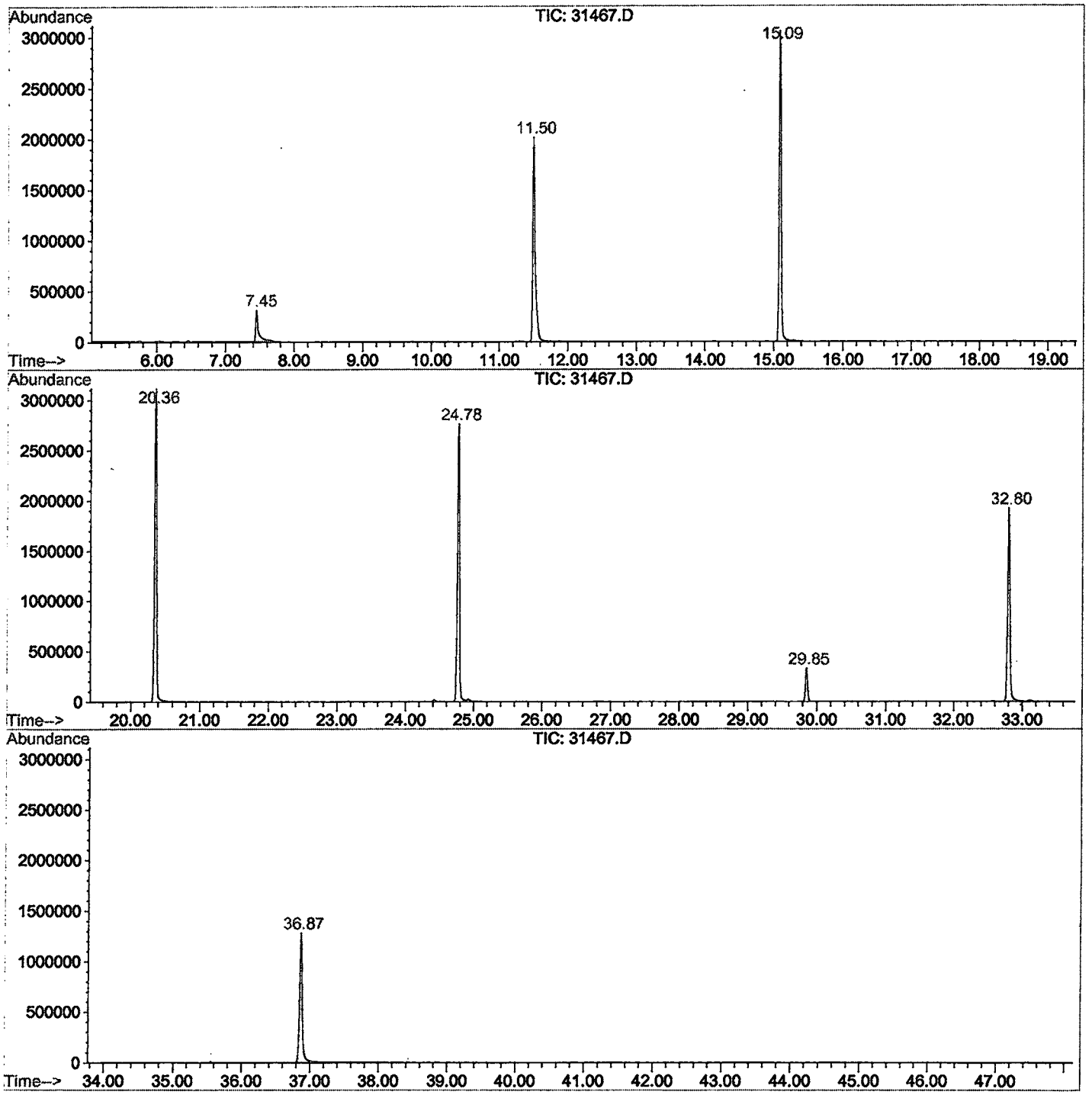
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.452 | 258 | 262 | 292 | rBV | 309485 | 922477 | 14.20% | 2.767% |
| 2 | 11.501 | 698 | 703 | 728 | rBV | 2013114 | 5013561 | 77.18% | 15.036% |
| 3 | 15.090 | 1089 | 1094 | 1112 | rBV | 3050007 | 6359864 | 97.90% | 19.074% |
| 4 | 20.360 | 1662 | 1668 | 1688 | rBV | 3116194 | 6496347 | 100.00% | 19.484% |
| 5 | 24.776 | 2142 | 2149 | 2161 | rBV2 | 2763426 | 5959980 | 91.74% | 17.875% |
| 6 | 29.852 | 2697 | 2702 | 2711 | rBV | 329314 | 656253 | 10.10% | 1.968% |
| 7 | 32.799 | 3017 | 3023 | 3045 | rBV2 | 1919777 | 4509637 | 69.42% | 13.525% |
| 8 | 36.866 | 3459 | 3466 | 3481 | rBV | 1276891 | 3424557 | 52.72% | 10.271% |

Sum of corrected areas: 33342676

31467.D GCMS0103.M Thu Feb 07 12:43:04 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\JAN1602\31467.D
Operator : 209 GALOS
Acquired : 17 Jan 2002 1:03 pm using AcqMethod GCMS0103
Instrument : GC/MS 209
Sample Name: gc/ms scan 12/28
Misc Info :
Vial Number: 26
Quant File :GCMS0103.RES (RTE Integrator)




31467.D GCMS0103.M Thu Feb 07 12:43:10 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1602\31467.D  Vial: 26
Acq On : 17 Jan 2002 1:03 pm  Operator: 209 GALOS
Sample : gc/ms scan 12/28  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

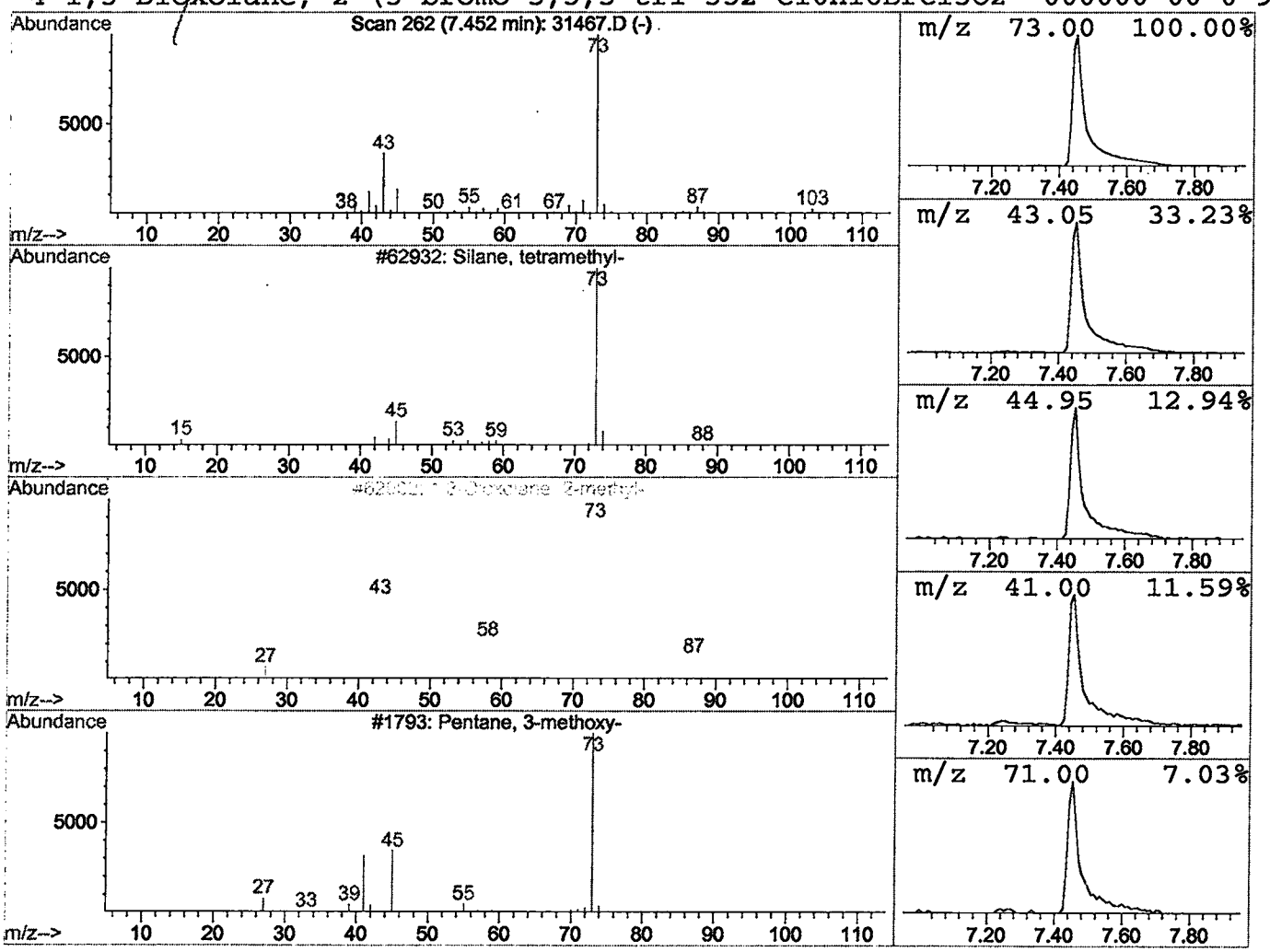
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.45 | 3.68 ug/l | 922477 | 1,4-Dichlorobenzene-d4 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |
| 2 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 9 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |
| 4 | 1,3-Dioxolane, 2-(3-bromo-5,5,5-tri | 352 | C10H16BrCl3O2 | 000000-00-0 | 9 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 17 Jan 2002 1:03 pm
Data File: C:\HPCHEM\1\DATA\JAN1602\31467.D
Name: gc/ms scan 12/28
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0103.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- | 7.45 | 3.7 | ug/l | 922477 | ISTD01 | 11.50 | 5013560 | 20.0 |

31467.D GCMS0103.M Thu Feb 07 12:43:19 2002