User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/09/2002 Time: 16:43:52

Sample: AD30118
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/9/02 16:43 Ended: 1/9/02 16:43 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 96 | | 5.0 |

**Comments for Sample AD30118 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-09-2002 Time: 16:44:17

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recovery for 1 of the 43 compounds in the LCS Standard was above its acceptance range.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN0302\30118.D Vial: 11
Acq On : 3 Jan 2002 8:20 pm Operator: 209 GALOS
Sample : gcms scan 12/12 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jan 7 10:45 2002 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 28 15:11:00 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.52 | 152 | 930553 | 20.00 | ug/l | -0.18 |
| 10) Naphthalene-d8 | 15.12 | 136 | 3580354 | 20.00 | ug/l | -0.19 |
| 17) Acenaphthene-d10 | 20.39 | 164 | 1765164 | 20.00 | ug/l | -0.19 |
| 29) Phenanthrene-d10 | 24.81 | 188 | 2642874 | 20.00 | ug/l | -0.19 |
| 38) Chrysene-d12 | 32.84 | 240 | 1574413m | 20.00 | ug/l | -0.19 |
| 44) Perylene-d12 | 36.91 | 264 | 921903 | 20.00 | ug/l | -0.21 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 29.88 | 235 | 138904 | 4.78 | ug/mL | -0.19 |
| Spiked Amount 5.000 | | | Recovery = 95.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 5.20 | 74 | 102 | N.D. | | |
| 3) bis(2-Chloroethyl)ether | 11.01 | 93 | 687 | N.D. | | |
| 4) 1,3-Dichlorobenzene | 11.44 | 146 | 692 | N.D. | | |
| 5) 1,4-Dichlorobenzene | 11.58 | 146 | 652 | N.D. | | |
| 6) 1,2-Dichlorobenzene | 12.10 | 146 | 604 | 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 | 13.33 | 77 | 179 | N.D. | | |
| 12) Isophorone | 13.91 | 82 | 675 | 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 | 15.19 | 128 | 2635 | 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 | 19.80 | 163 | 1286 | N.D. | | |
| 21) 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | | |
| 22) Acenaphthylene | 19.94 | 152 | 197 | N.D. | | |
| 23) Acenaphthene | 0.00 | 153 | 0 | N.D. | | |
| 24) 2,4-Dinitrotoluene | 20.86 | 165 | 708 | N.D. | | |
| 25) Diethylphthalate | 21.91 | 149 | 2518 | 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\JAN0302\30118.D Vial: 11
Acq On : 3 Jan 2002 8:20 pm Operator: 209 GALOS
Sample : gcms scan 12/12 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jan 7 10:45 2002 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 28 15:11:00 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

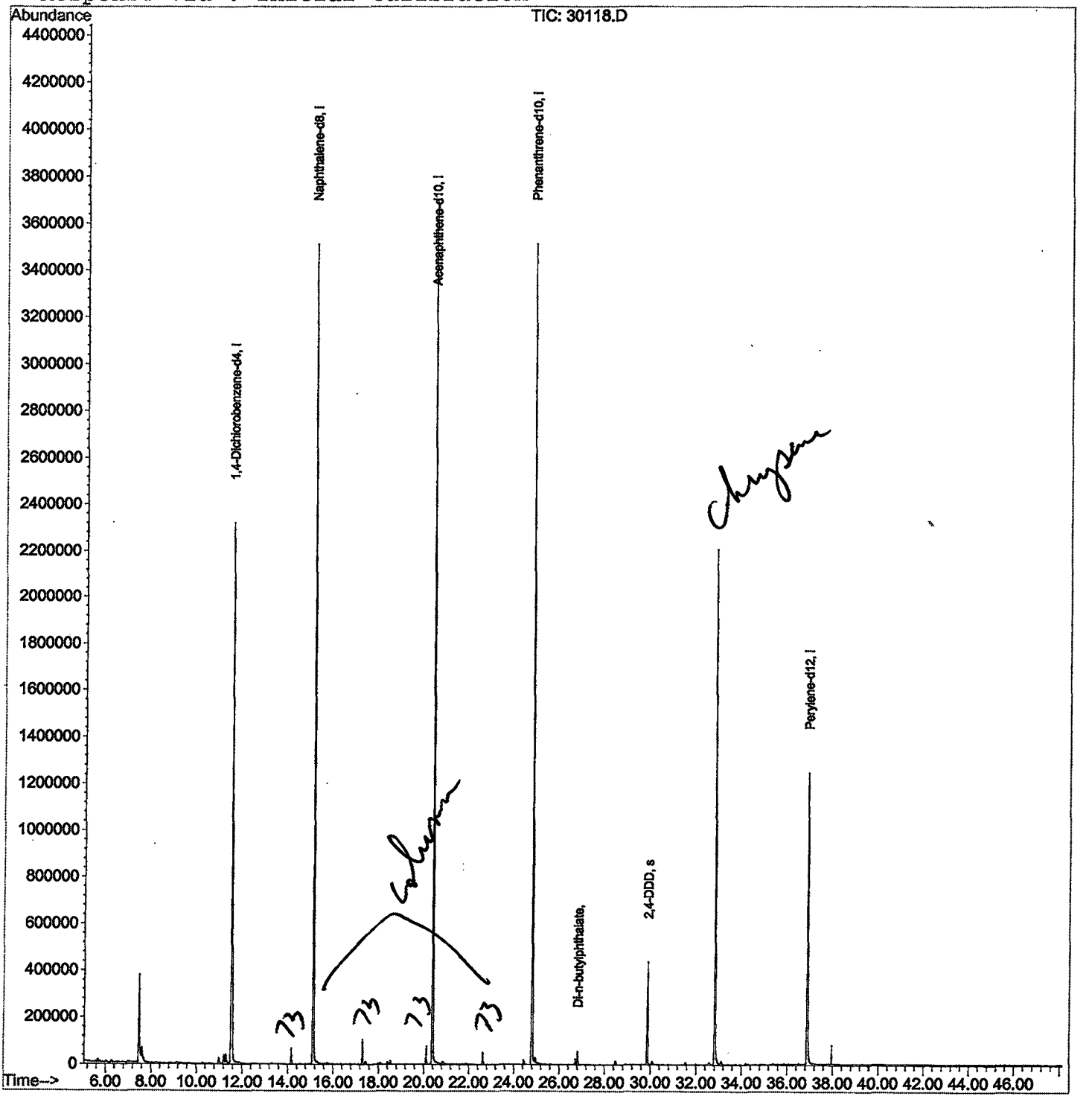
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 30) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) | Phenanthrene | 24.88 | 178 | 495 | N.D. | |
| 34) | Anthracene | 24.88 | 178 | 495 | N.D. | |
| 35) | Di-n-butylphthalate | 26.83 | 149 | 57618 | 0.31 ug/l # | 98 |
| 36) | Fluoranthene | 28.51 | 202 | 676 | N.D. | |
| 39) | Pyrene | 29.16 | 202 | 968 | N.D. | |
| 40) | Butylbenzylphthalate | 31.56 | 149 | 252 | N.D. | |
| 41) | Benzo(a)anthracene | 32.92 | 228 | 1514 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.13 | 149 | 7949 | N.D. | |
| 43) | Chrysene | 32.92 | 228 | 1514 | N.D. | |
| 45) | Di-n-Octylphthalate | 34.89 | 149 | 1210 | N.D. | |
| 46) | Benzo(b)fluoranthene | 35.89 | 252 | 2518 | N.D. | |
| 47) | Benzo(k)fluoranthene | 35.92 | 252 | 6873 | N.D. | |
| 48) | Benzo(a)pyrene | 36.75 | 252 | 2119 | N.D. | |
| 49) | Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 50) | Dibenz(a,h)anthracene | 40.61 | 278 | 189 | N.D. | |
| 51) | Benzo(g,h,i)perylene | 41.59 | 276 | 287 | N.D. | |

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

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN0302\30118.D  Vial: 11
Acq On : 3 Jan 2002 8:20 pm  Operator: 209 GALOS
Sample : gcms scan 12/12  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jan 3 21:09 2002  Quant Results File: GCMS1126.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\JAN0302\30118.D  Vial: 11
Acq On : 3 Jan 2002 8:20 pm  Operator: 209 GALOS
Sample : gcms scan 12/12  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

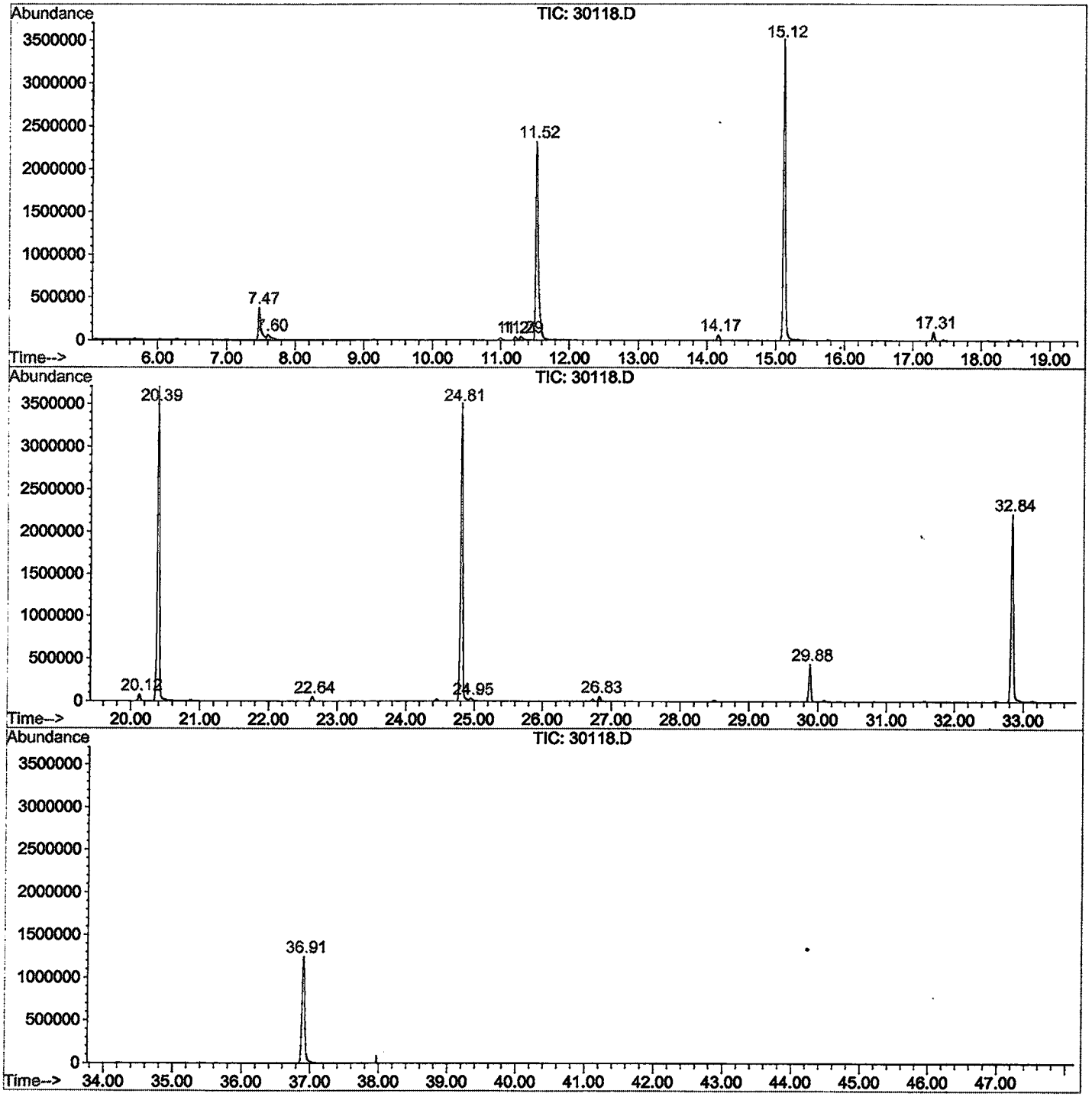
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.474 | 261 | 265 | 276 | rBV | 374519 | 954952 | 12.40% | 2.379% |
| 2 | 7.603 | 276 | 279 | 297 | rVB | 61980 | 241188 | 3.13% | 0.601% |
| 3 | 11.211 | 669 | 672 | 678 | rBV | 38538 | 89474 | 1.16% | 0.223% |
| 4 | 11.293 | 678 | 681 | 695 | rVB | 39230 | 113579 | 1.47% | 0.283% |
| 5 | 11.523 | 701 | 706 | 725 | rBV | 2316880 | 5986785 | 77.71% | 14.916% |
| 6 | 14.167 | 988 | 994 | 1000 | rBV2 | 67840 | 133170 | 1.73% | 0.332% |
| 7 | 15.121 | 1092 | 1098 | 1117 | rBV | 3509989 | 7334609 | 95.20% | 18.274% |
| 8 | 17.306 | 1326 | 1336 | 1344 | rBV | 104162 | 205232 | 2.66% | 0.511% |
| 9 | 20.125 | 1637 | 1643 | 1648 | rBV | 77780 | 145567 | 1.89% | 0.363% |
| 10 | 20.391 | 1665 | 1672 | 1690 | rBV | 3702954 | 7704129 | 100.00% | 19.195% |
| 11 | 22.640 | 1912 | 1917 | 1925 | rVB | 52651 | 105255 | 1.37% | 0.262% |
| 12 | 24.807 | 2146 | 2153 | 2165 | rBV2 | 3511676 | 7475614 | 97.03% | 18.625% |
| 13 | 24.954 | 2165 | 2169 | 2180 | rVB2 | 26167 | 87109 | 1.13% | 0.217% |
| 14 | 26.826 | 2367 | 2373 | 2382 | rBV | 56334 | 104436 | 1.36% | 0.260% |
| 15 | 29.883 | 2701 | 2706 | 2713 | rBV | 436677 | 855819 | 11.11% | 2.132% |
| 16 | 32.839 | 3021 | 3028 | 3051 | rBV2 | 2209878 | 5160504 | 66.98% | 12.857% |
| 17 | 36.906 | 3463 | 3471 | 3487 | rBV2 | 1245015 | 3439056 | 44.64% | 8.568% |

Sum of corrected areas: 40136478

30118.D GCMS0103.M Mon Jan 07 10:36:20 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\JAN0302\30118.D
Operator : 209 GALOS
Acquired : 3 Jan 2002 8:20 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gcms scan 12/12
Misc Info :
Vial Number: 11
Quant File :GCMS1126.RES (RTE Integrator)




30118.D GCMS0103.M Mon Jan 07 10:36:26 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN0302\30118.D
Acq On : 3 Jan 2002 8:20 pm
Sample : gcms scan 12/12
Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

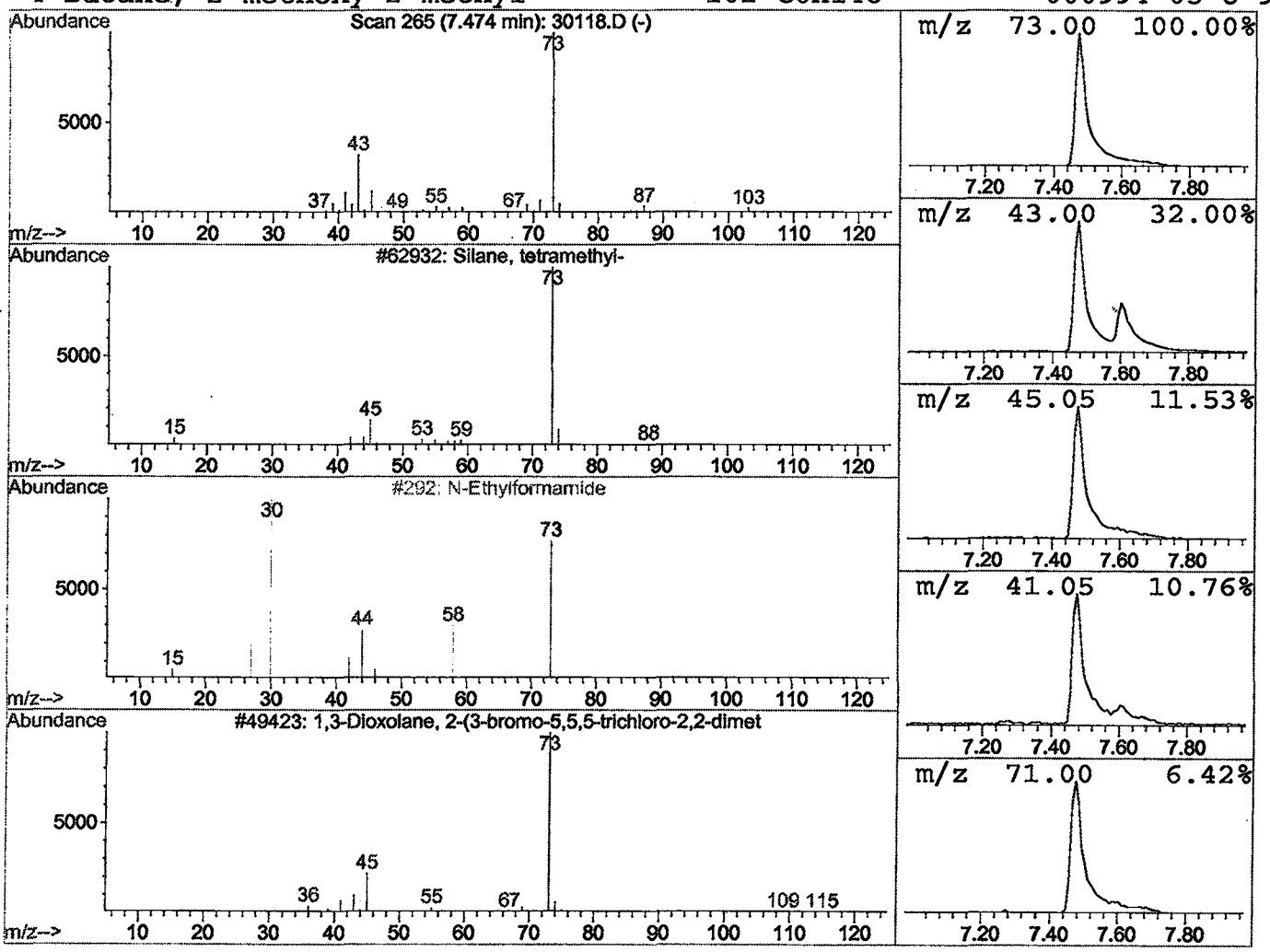
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Silane, tetramethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.47 | 3.19 ug/l | 954952 | 1,4-Dichlorobenzene-d4 | 11.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | 1,3-Dioxolane, 2-(3-bromo-5,5,5-tri | 352 | C10H16BrCl3O2 | 000000-00-0 | 9 |
| 4 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN0302\30118.D
Acq On : 3 Jan 2002 8:20 pm
Sample : gcms scan 12/12
Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

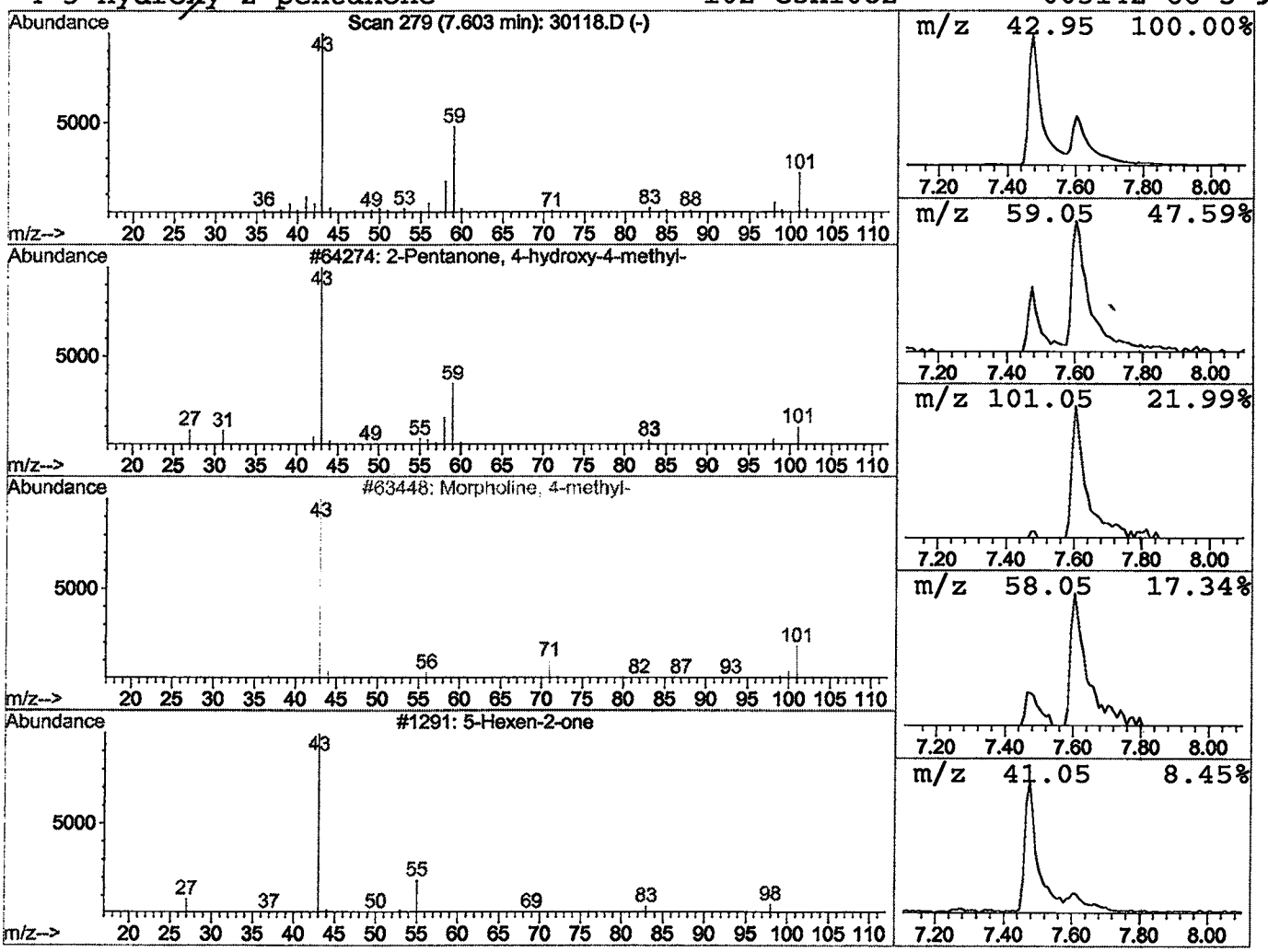
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.60 | 0.81 ug/l | 241188 | 1,4-Dichlorobenzene-d4 | 11.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 38 |
| 2 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 3 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 4 | 3-Hydroxy-2-pentanone | 102 | C5H10O2 | 003142-66-3 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN0302\30118.D  Vial: 11
Acq On : 3 Jan 2002 8:20 pm  Operator: 209 GALOS
Sample : gcms scan 12/12  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

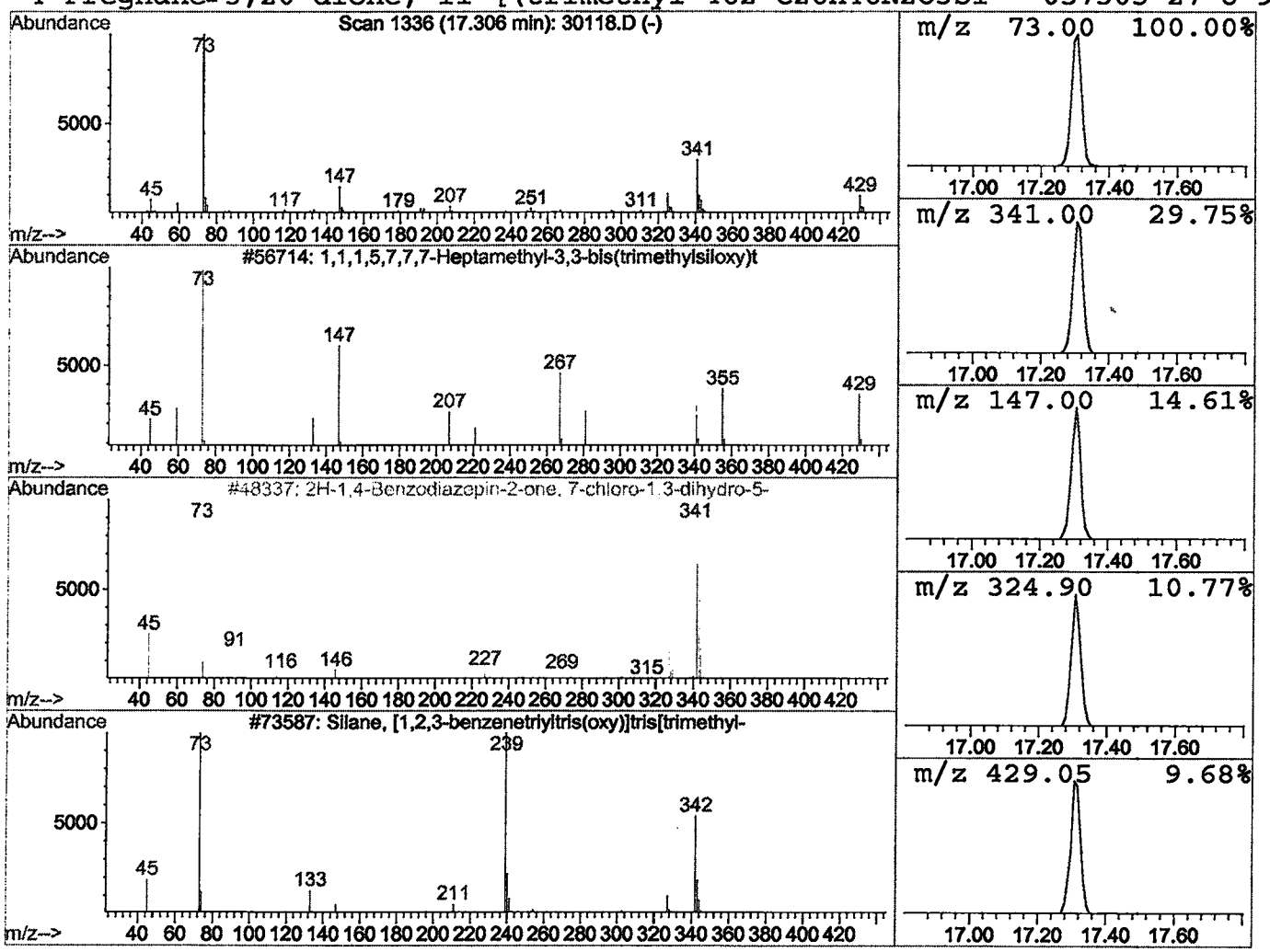
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 1,1,1,5,7,7,7-Heptamethyl-3,3- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.31 | 0.56 ug/l | 205232 | Naphthalene-d8 | 15.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t | 444 | C13H40O5Si6 | 038147-00-1 | 35 |
| 2 | 2H-1,4-Benzodiazepin-2-one, 7-chlor | 342 | C18H19ClN2OSi | 055299-24-6 | 9 |
| 3 | Silane, [1,2,3-benzenetriyltris(oxy | 342 | C15H30O3Si3 | 017864-23-2 | 9 |
| 4 | Pregnane-3,20-dione, 11-[(trimethyl | 462 | C26H46N2O3Si | 057305-27-8 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN0302\30118.D  Vial: 11
Acq On : 3 Jan 2002 8:20 pm  Operator: 209 GALOS
Sample : gcms scan 12/12  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

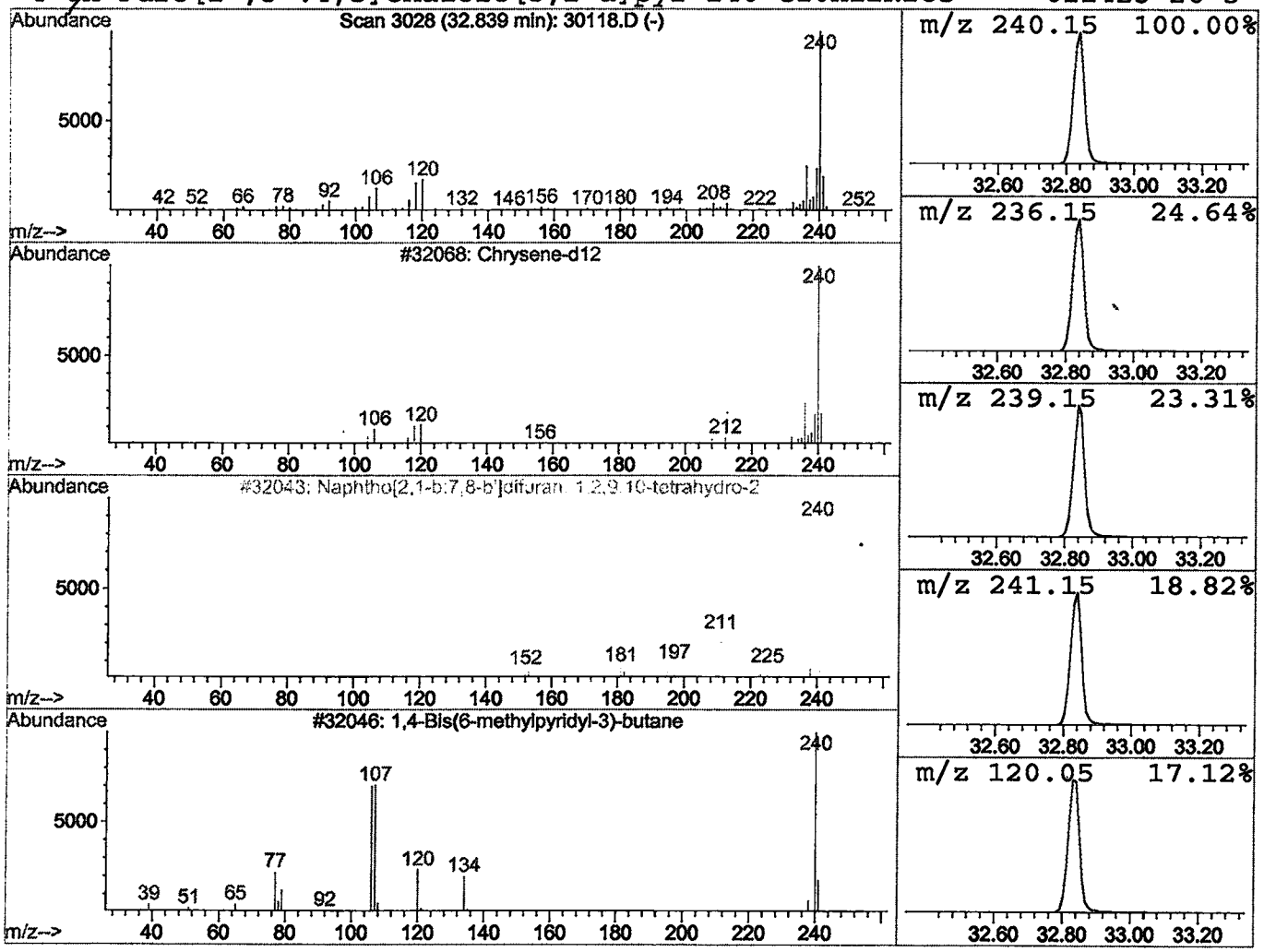
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 4 Chrysene-d12  Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 32.84 | 30.01 ug/l | 5160500 | Perylene-d12 | 36.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Chrysene-d12 | 240 | C18D12 | 001719-03-5 | 98 |
| 2 | Naphtho[2,1-b:7,8-b']difuran, 1,2,9 | 240 | C16H16O2 | 068873-21-2 | 47 |
| 3 | 1,4-Bis(6-methylpyridyl-3)-butane | 240 | C16H20N2 | 000000-00-0 | 47 |
| 4 | 6H-Furo[2',3':4,5]oxazolo[3,2-a]pyr | 240 | C10H12N2O5 | 022423-26-3 | 43 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 3 Jan 2002 8:20 pm
Data File: C:\HPCHEM\1\DATA\JAN0302\30118.D
Name: gcms scan 12/12
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- | 7.47 | 3.2 | ug/l | 954952 | ISTD01 | 11.52 | 5986790 | 20.0 |
| 2-Pentanone, 4-hydro | 7.60 | 0.8 | ug/l | 241188 | ISTD01 | 11.52 | 5986790 | 20.0 |
| 1,1,1,5,7,7,7-Heptam | 17.31 | 0.6 | ug/l | 205232 | ISTD02 | 15.12 | 7334610 | 20.0 |
| Chrysene-d12 | 32.84 | 30.0 | ug/l | 5160500 | ISTD05 | 36.91 | 3439060 | 20.0 |

30118.D GCMS0103.M Mon Jan 07 10:36:48 2002