User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 03/25/2002 Time: 16:30:41

Sample: AE01156
Analysis: $B1GCMS Blank for GCMS Scan
Units: ug
Started: 3/25/02 16:27 Ended: 3/25/02 16:27 Analyst: MG
Result source: manual entry
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | n-Nitrosodimethylamine | | < MDL | | 2.0 |
| 2 | bis(2-Chloroethyl)ether | | < MDL | | 2.0 |
| 3 | 1,3-Dichlorobenzene | | < MDL | | 2.0 |
| 4 | 1,4-Dichlorobenzene | | < MDL | | 2.0 |
| 5 | 1,2-Dichlorobenzene | | < MDL | | 2.0 |
| 6 | 2,2'-oxybis(1-Chloropropane) | | < MDL | | 2.0 |
| 7 | n-Nitrosodi-n-propylamine | | < MDL | | 2.0 |
| 8 | Hexachloroethane | | < MDL | | 2.0 |
| 9 | Nitrobenzene | | < MDL | | 2.0 |
| 10 | Isophorone | | < MDL | | 2.0 |
| 11 | bis(2-Chloroethoxy)methane | | < MDL | | 2.0 |
| 12 | 1,2,4-Trichlorobenzene | | < MDL | | 2.0 |
| 13 | Naphthalene | | < MDL | | 2.0 |
| 14 | Hexachlorobutadiene | | < MDL | | 2.0 |
| 15 | 2-Chloronaphthalene | | < MDL | | 2.0 |
| 16 | Dimethylphthalate | | < MDL | | 2.0 |
| 17 | 2,6-Dinitrotoluene | | < MDL | | 2.0 |
| 18 | Acenaphthylene | | < MDL | | 2.0 |
| 19 | Acenaphthene | | < MDL | | 2.0 |
| 20 | 2,4-Dinitrotoluene | | < MDL | | 2.0 |
| 21 | Diethylphthalate | | < MDL | | 2.0 |
| 22 | 4-Chlorophenylphenylether | | < MDL | | 2.0 |
| 23 | Fluorene | | < MDL | | 2.0 |
| 24 | Azobenzene/1,2-Diphenylhydraz | | < MDL | | 2.0 |
| 25 | n-Nitrosodiphenylamine | | < MDL | | 2.0 |
| 26 | 4-Bromophenylphenylether | | < MDL | | 2.0 |
| 27 | Hexachlorobenzene | | < MDL | | 2.0 |
| 28 | Phenanthrene | | < MDL | | 2.0 |
| 29 | Anthracene | | < MDL | | 2.0 |
| 30 | Di-n-butylphthalate | | < MDL | | 2.0 |
| 31 | Fluoranthene | | < MDL | | 2.0 |
| 32 | Pyrene | | < MDL | | 2.0 |
| 33 | Butylbenzylphthalate | | < MDL | | 2.0 |
| 34 | Benzo(a)anthracene | | < MDL | | 2.0 |
| 35 | bis(2-Ethylhexyl)phthalate | | < MDL | | 2.0 |
| 36 | Chrysene | | < MDL | | 2.0 |
| 37 | Di-n-octylphthalate | | < MDL | | 2.0 |
| 38 | Benzo(b)fluoranthene | | < MDL | | 2.0 |
| 39 | Benzo(k)fluoranthene | | < MDL | | 2.0 |
| 40 | Benzo(a)pyrene | | < MDL | | 2.0 |
| 41 | Indeno(1,2,3-cd)pyrene | | < MDL | | 2.0 |
| 42 | Dibenz(a,h)anthracene | | < MDL | | 2.0 |
| 43 | Benzo(g,h,i)perylene | | < MDL | | 2.0 |

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR2102\LBA.D Vial: 16
Acq On : 22 Mar 2002 2:05 am Operator:
Sample : gc/ms scan 3/13 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 25 8:43 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 08 08:54:27 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.27 | 152 | 673709 | 20.00 | ug/l | -0.08 |
| 10) Naphthalene-d8 | 15.90 | 136 | 2650115 | 20.00 | ug/l | -0.09 |
| 17) Acenaphthene-d10 | 21.22 | 164 | 1409445 | 20.00 | ug/l | -0.09 |
| 29) Phenanthrene-d10 | 25.66 | 188 | 2128498 | 20.00 | ug/l | -0.10 |
| 38) Chrysene-d12 | 33.73 | 240 | 1388919 | 20.00 | ug/l | -0.11 |
| 44) Perylene-d12 | 37.98 | 264 | 877173 | 20.00 | ug/l | -0.14 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.74 | 235 | 81853 | 5.29 | ug/mL | 0.24 |
| Spiked Amount 5.000 | | | Recovery = 105.80% | | | |
| **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 | 15.95 | 128 | 167 | 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 | 21.64 | 165 | 174 | 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\MAR2102\LBA.D Vial: 16
Acq On : 22 Mar 2002 2:05 am Operator:
Sample : gc/ms scan 3/13 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 25 8:43 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 08 08:54:27 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

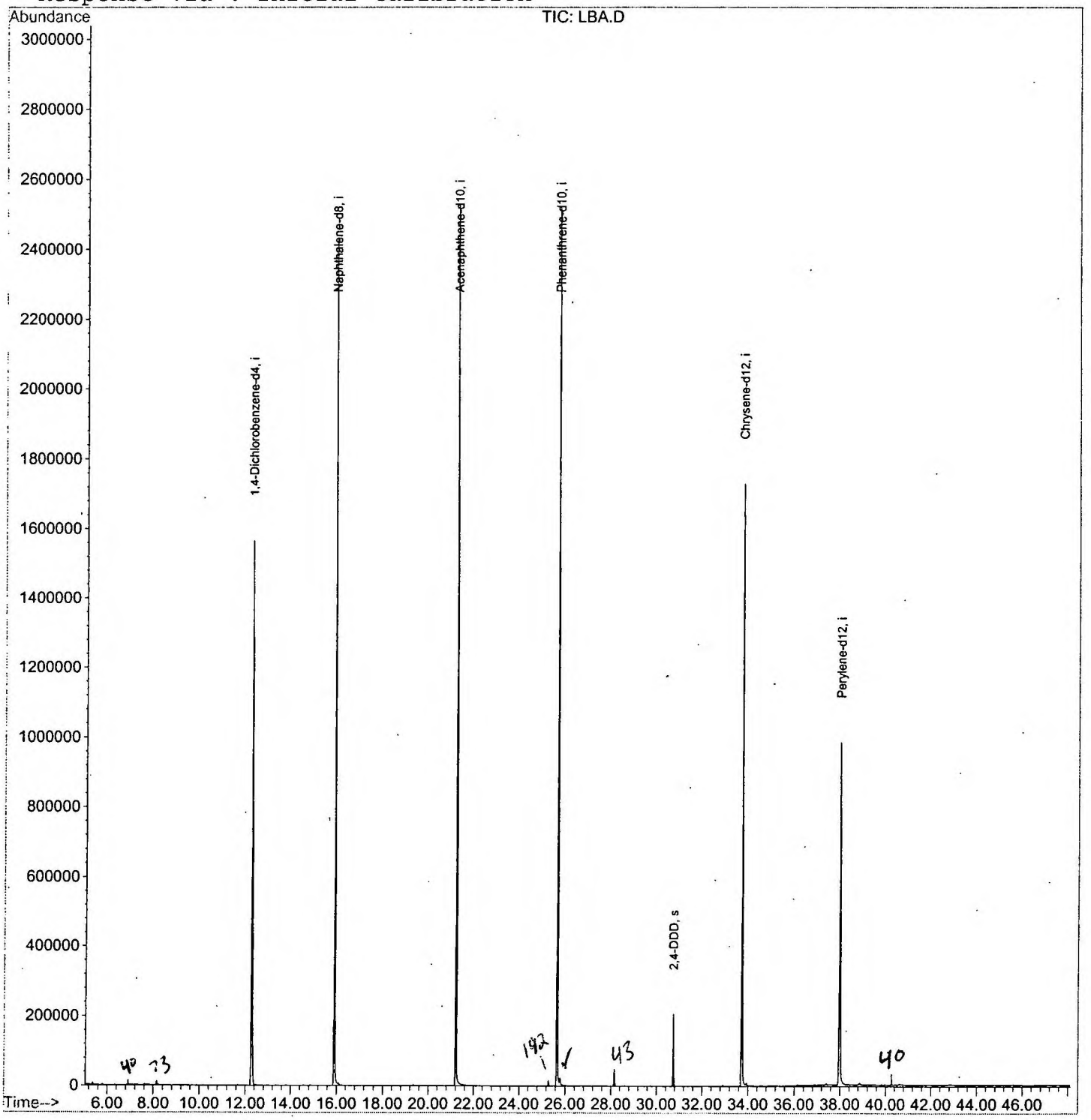
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 30) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) | Phenanthrene | 25.67 | 178 | 826 | N.D. | |
| 34) | Anthracene | 25.67 | 178 | 826 | N.D. | |
| 35) | Di-n-butylphthalate | 27.63 | 149 | 1032 | 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 | 33.73 | 228 | 3315 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.93 | 149 | 4342 | N.D. | |
| 43) | Chrysene | 33.73 | 228 | 3316 | 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 | 37.99 | 252 | 3468 | 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\MAR2102\LBA.D Vial: 16
Acq On : 22 Mar 2002 2:05 am Operator:
Sample : gc/ms scan 3/13 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 25 8:43 2002 Quant Results File: GCMS0308.RES

Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 08 08:54:27 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR2102\LBA.D  Vial: 16
Acq On : 22 Mar 2002 2:05 am  Operator:
Sample : gc/ms scan 3/13  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0308.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

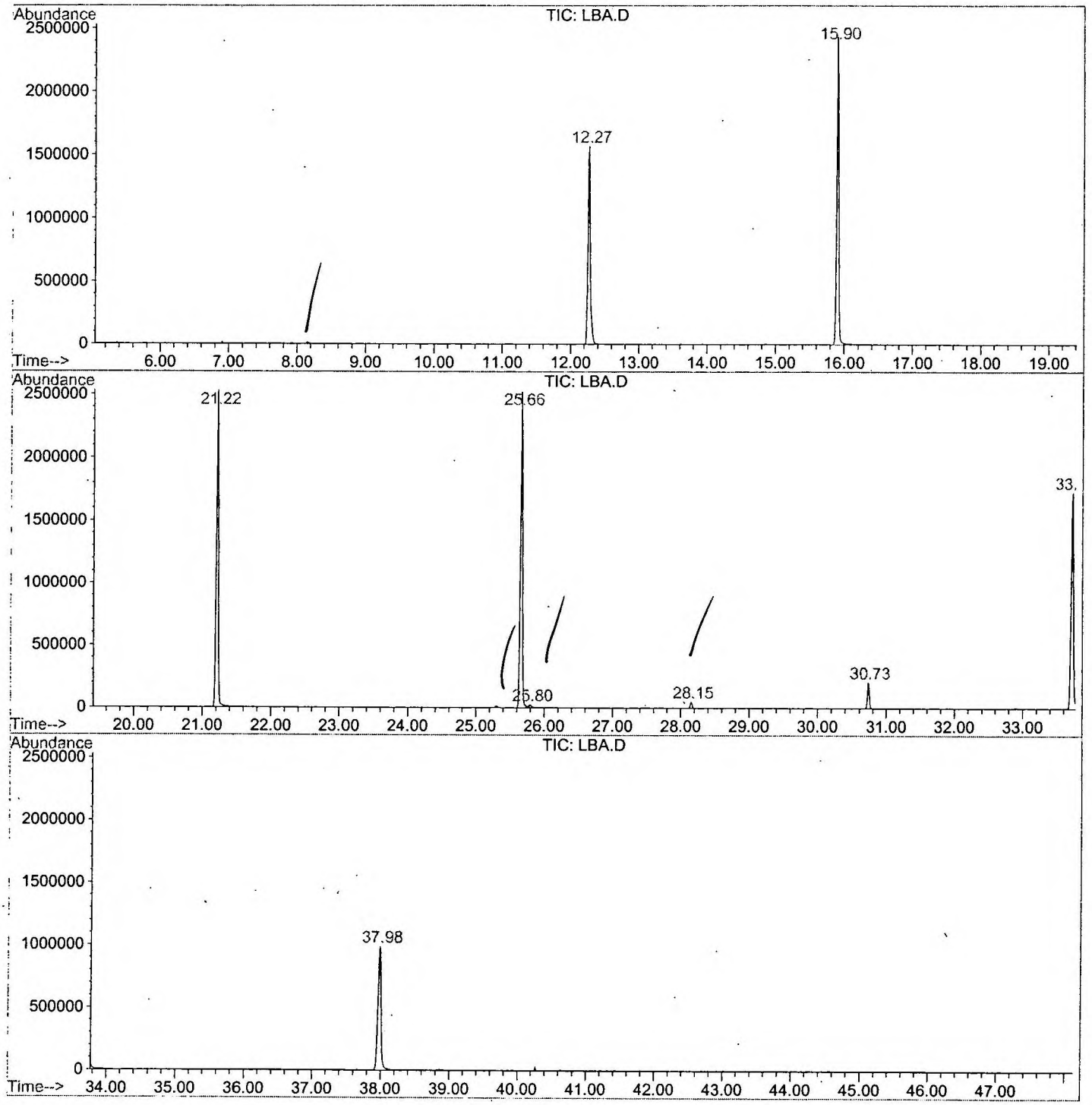
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 12.269 | 781 | 787 | 804 | rBV | 1564807 | 3709747 | 68.52% | 13.656% |
| 2 | 15.904 | 1177 | 1183 | 1201 | rBV | 2429187 | 5010056 | 92.54% | 18.442% |
| 3 | 21.220 | 1755 | 1762 | 1782 | rBV | 2529956 | 5413940 | 100.00% | 19.929% |
| 4 | 25.663 | 2238 | 2246 | 2257 | rBV2 | 2519572 | 5357585 | 98.96% | 19.721% |
| 5 | 25.801 | 2257 | 2261 | 2271 | rVB | 21268 | 57466 | 1.06% | 0.212% |
| 6 | 28.151 | 2511 | 2517 | 2523 | rVB2 | 48529 | 91834 | 1.70% | 0.338% |
| 7 | 30.731 | 2793 | 2798 | 2805 | rBV | 205987 | 406628 | 7.51% | 1.497% |
| 8 | 33.732 | 3117 | 3125 | 3142 | rBV2 | 1730140 | 4065400 | 75.09% | 14.965% |
| 9 | 37.983 | 3578 | 3588 | 3608 | rBV2 | 982428 | 3053684 | 56.40% | 11.241% |

Sum of corrected areas: 27166340

LBA.D GCMS0308.M Mon Mar 25 14:30:07 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR2102\LBA.D
Operator :
Acquired : 22 Mar 2002 2:05 am using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/13
Misc Info :
Vial Number: 16
Quant File :GCMS0308.RES (RTE Integrator)




LBA.D GCMS0308.M Mon Mar 25 14:30:13 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2102\LBA.D  Vial: 16
Acq On : 22 Mar 2002 2:05 am  Operator:
Sample : gc/ms scan 3/13  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

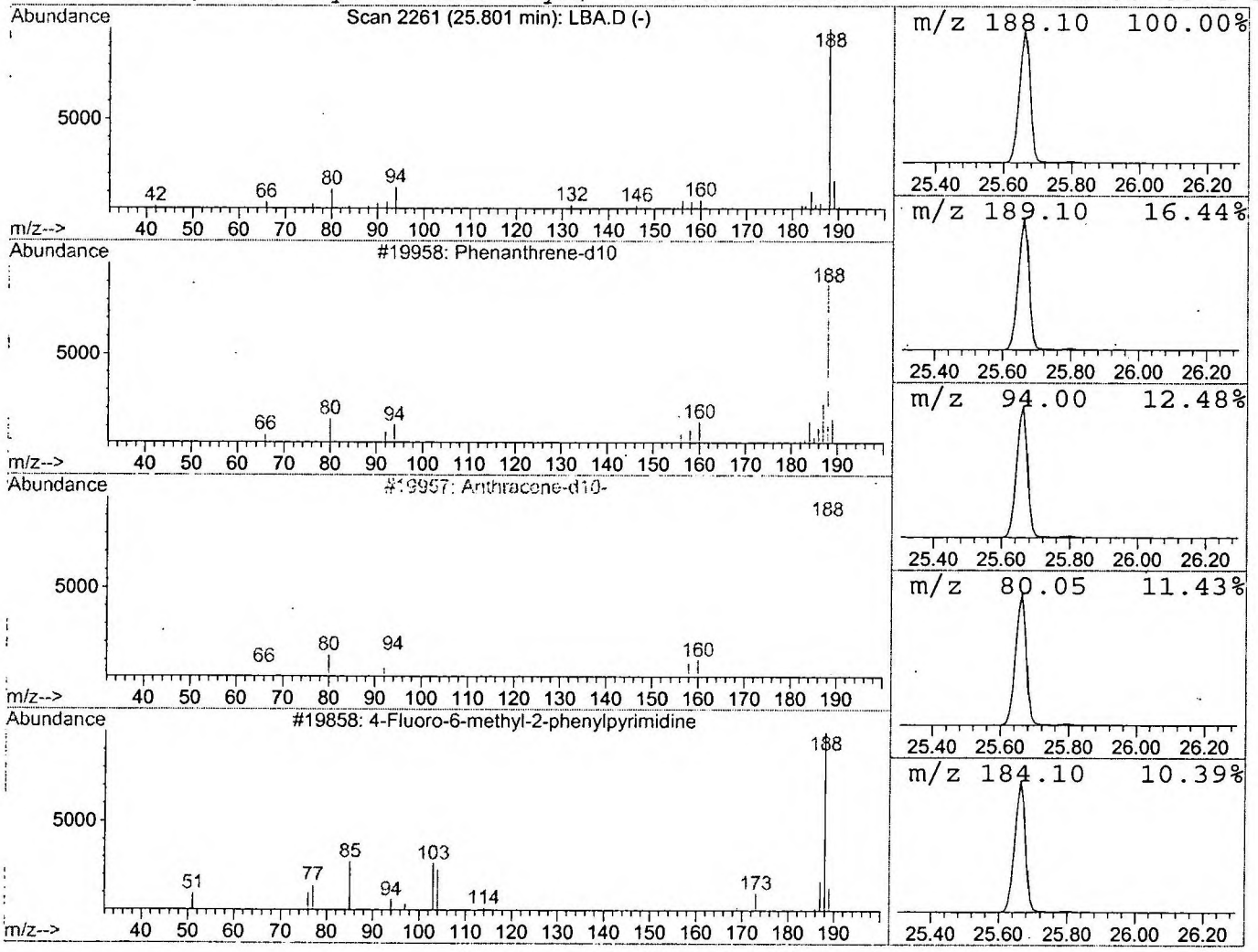
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Phenanthrene-d10  Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.80 | 0.21 ug/l | 57466 | Phenanthrene-d10 | 25.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene-d10 | 188 | C14D10 | 001517-22-2 | 80 |
| 2 | Anthracene-d10- | 188 | C14D10 | 001719-06-8 | 53 |
| 3 | 4-Fluoro-6-methyl-2-phenylpyrimidin | 188 | C11H9FN2 | 000000-00-0 | 36 |
| 4 | Benzene, 1-(1-cyclohexen-1-yl)-4-me | 188 | C13H16O | 020758-60-5 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2102\LBA.D  Vial: 16
Acq On : 22 Mar 2002 2:05 am  Operator:
Sample : gc/ms scan 3/13  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

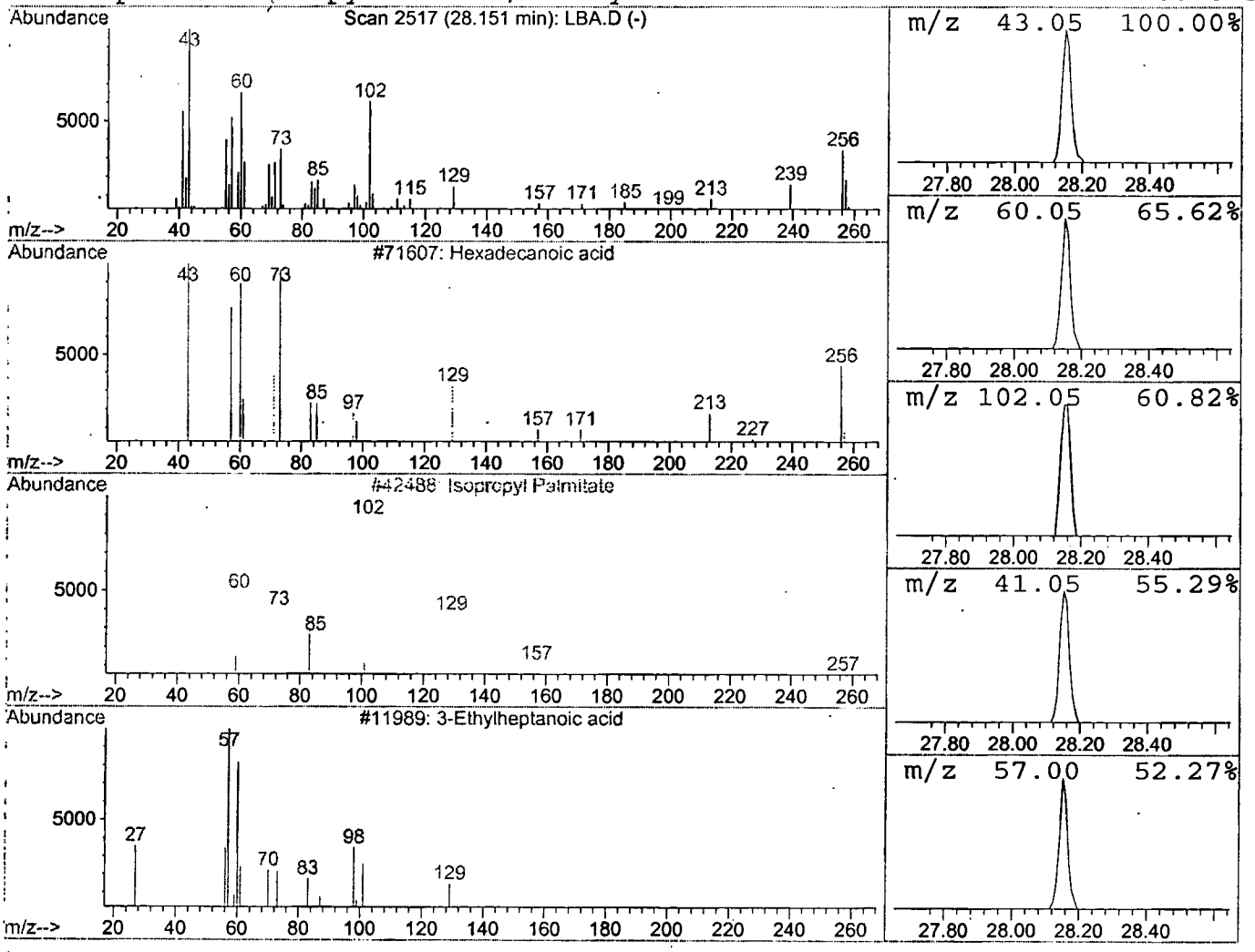
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 Hexadecanoic acid  Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 28.15 | 0.34 ug/l | 91834 | Phenanthrene-d10 | 25.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 38 |
| 2 | Isopropyl Palmitate | 298 | C19H38O2 | 000142-91-6 | 35 |
| 3 | 3-Ethylheptanoic acid | 158 | C9H18O2 | 014272-47-0 | 25 |
| 4 | .alpha.-D-Glucopyranoside, methyl 3 | 176 | C7H12O5 | 013407-60-8 | 23 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 22 Mar 2002 2:05 am
Data File: C:\HPCHEM\1\DATA\MAR2102\LBA.D
Name: gc/ms scan 3/13
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0308.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 |
|---|---|---|---|---|---|---|---|---|
| Phenanthrene-d10 | 25.80 | 0.2 | ug/l | 57466 | ISTD04 | 25.66 | 5357590 | 20.0 |
| Hexadecanoic acid | 28.15 | 0.3 | ug/l | 91834 | ISTD04 | 25.66 | 5357590 | 20.0 |

LBA.D GCMS0308.M Mon Mar 25 14:30:27 2002