

User: Fakhouri, Morgan  
 Westchester Dept. of Labs & Research  
 Date: 05/20/2002 Time: 13:43:43

Sample: AE10895  
 Analysis: \$C1GCMS CALI GCMS  
 Units: ug  
 Started: 5/20/02 13:32 Ended: 5/20/02 13:32 Analyst: MF  
 Page: 1

|    | Component Name               | Vol | Result | Qualifier | MDL |
|----|------------------------------|-----|--------|-----------|-----|
| 1  | n-Nitrosodimethylamine       |     | 17.58  |           | 2.0 |
| 2  | bis(2-Chloroethyl)ether      |     | 21.04  |           | 2.0 |
| 3  | 1,3-Dichlorobenzene          |     | 20.10  |           | 2.0 |
| 4  | 1,4-Dichlorobenzene          |     | 21.29  |           | 2.0 |
| 5  | 1,2-Dichlorobenzene          |     | 21.42  |           | 2.0 |
| 6  | 2,2'-oxybis(1-Chloropropane) |     | 21.73  |           | 2.0 |
| 7  | n-Nitrosodi-n-propylamine    |     | 21.06  |           | 2.0 |
| 8  | Hexachloroethane             |     | 21.77  |           | 2.0 |
| 9  | Nitrobenzene                 |     | 20.70  |           | 2.0 |
| 10 | Isophorone                   |     | 21.33  |           | 2.0 |
| 11 | bis(2-Chloroethoxy)methane   |     | 21.16  |           | 2.0 |
| 12 | 1,2,4-Trichlorobenzene       |     | 21.52  |           | 2.0 |
| 13 | Naphthalene                  |     | 21.40  |           | 2.0 |
| 14 | Hexachlorobutadiene          |     | 22.23  |           | 2.0 |
| 15 | 2-Chloronaphthalene          |     | 21.06  |           | 2.0 |
| 16 | Dimethylphthalate            |     | 20.56  |           | 2.0 |
| 17 | 2,6-Dinitrotoluene           |     | 22.69  |           | 2.0 |
| 18 | Acenaphthylene               |     | 20.06  |           | 2.0 |
| 19 | Acenaphthene                 |     | 21.57  |           | 2.0 |
| 20 | 2,4-Dinitrotoluene           |     | 18.96  |           | 2.0 |
| 21 | Diethylphthalate             |     | 21.64  |           | 2.0 |
| 22 | 4-Chlorophenylphenylether    |     | 21.47  |           | 2.0 |
| 23 | Fluorene                     |     | 21.72  |           | 2.0 |
| 24 | Azobenzene                   |     | 20.97  |           | 2.0 |
| 25 | n-Nitrosodiphenylamine       |     | 17.98  |           | 2.0 |
| 26 | 4-Bromophenylphenylether     |     | 22.67  |           | 2.0 |
| 27 | Hexachlorobenzene            |     | 22.08  |           | 2.0 |
| 28 | Phenanthrene                 |     | 21.56  |           | 2.0 |
| 29 | Anthracene                   |     | 21.18  |           | 2.0 |
| 30 | Di-n-butylphthalate          |     | 21.61  |           | 2.0 |
| 31 | Fluoranthene                 |     | 22.19  |           | 2.0 |
| 32 | Pyrene                       |     | 21.16  |           | 2.0 |
| 33 | Butylbenzylphthalate         |     | 20.14  |           | 2.0 |
| 34 | Benzo(a)anthracene           |     | 19.44  |           | 2.0 |
| 35 | bis(2-Ethylhexyl)phthalate   |     | 18.69  |           | 2.0 |
| 36 | Chrysene                     |     | 19.66  |           | 2.0 |
| 37 | Di-n-octylphthalate          |     | 18.35  |           | 2.0 |
| 38 | Benzo(b)fluoranthene         |     | 22.74  |           | 2.0 |
| 39 | Benzo(k)fluoranthene         |     | 22.11  |           | 2.0 |
| 40 | Benzo(a)pyrene               |     | 20.87  |           | 2.0 |
| 41 | Indeno(1,2,3-cd)pyrene       |     | 20.71  |           | 2.0 |
| 42 | Dibenz(a,h)anthracene        |     | 21.25  |           | 2.0 |
| 43 | Benzo(g,h,i)perylene         |     | 22.84  |           | 2.0 |

Data File : C:\MSDCHEM\1\DATA\051602\CAL20.D

Vial: 2

Acq On : 16 May 2002 3:21 pm

Operator: Mclean

Sample :

Inst : Instrumen

Misc :

Multiplr: 1.00

MS Integration Params: EVENTS.E

Quant Time: May 17 15:13:14 2002

Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)

Title : 508 Modified GC/MS scan

Last Update : Mon May 13 11:40:29 2002

Response via : Initial Calibration

DataAcq Meth : 508SCAN

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 9.93  | 152  | 5764223  | 40.00 | ug/L  | 0.00      |
| 10) Napthalene-d8         | 13.43 | 136  | 23729133 | 40.00 | ug/L  | 0.00      |
| 17) Acenapthalene-d10     | 18.57 | 164  | 13206658 | 40.00 | ug/L  | 0.00      |
| 29) Phenanthranene-d10    | 22.96 | 188  | 19832645 | 40.00 | ug/L  | 0.00      |
| 37) Chrysene-d12          | 30.82 | 240  | 14821044 | 40.00 | ug/L  | 0.00      |
| 43) Perylene-d12          | 34.71 | 264  | 11106706 | 40.00 | ug/L  | 0.00      |

## System Monitoring Compounds

|               |        |     |          |       |        |      |
|---------------|--------|-----|----------|-------|--------|------|
| 27) TCMX      | 20.54  | 209 | 997733   | 12.44 | ug/L   | 0.00 |
| Spiked Amount | 40.000 |     | Recovery | =     | 31.10% |      |

## Target Compounds

|                                |       |     |          |       |      |      |
|--------------------------------|-------|-----|----------|-------|------|------|
| 2) n-nitros-dimethyl amine     | 3.83  | 74  | 2076024  | 17.58 | ug/L | # 86 |
| 3) bis(2-Chloroethyl) ether    | 9.35  | 93  | 4744461  | 21.04 | ug/L | 89   |
| 4) 1,3-Dichlorobenzene         | 9.76  | 146 | 4614446  | 20.10 | ug/L | 99   |
| 5) 1,4-Dichlorobenzene         | 9.98  | 146 | 5027042  | 21.29 | ug/L | 99   |
| 6) 1,2-Dichlorobenzene         | 10.35 | 146 | 4494724  | 21.42 | ug/L | 99   |
| 7) 2,2'-oxybis(1-Chloropropane | 10.81 | 45  | 7552138m | 21.73 | ug/L |      |
| 8) N-nitroso-di-propylamine    | 11.14 | 70  | 3367475  | 21.06 | ug/L | 96   |
| 9) Hexachloroethane            | 11.26 | 117 | 1895143  | 21.77 | ug/L | 93   |
| 11) Nitrobenzene               | 11.49 | 77  | 4750916  | 20.70 | ug/L | 94   |
| 12) Isophorone                 | 12.21 | 82  | 8821726  | 21.33 | ug/L | 99   |
| 13) bis(2-Chloroethoxy) methan | 12.95 | 93  | 5795663  | 21.16 | ug/L | 98   |
| 14) 1,2,4-Trichlorobenzene     | 13.30 | 180 | 3741177  | 21.52 | ug/L | 98   |
| 15) Napthalene                 | 13.49 | 128 | 13601643 | 21.40 | ug/L | 98   |
| 16) Hexachlorobutadiene        | 13.93 | 225 | 1811031  | 22.23 | ug/L | 99   |
| 18) 2-Chloronapthalene         | 16.93 | 162 | 7092255  | 21.06 | ug/L | 99   |
| 19) Dimethylphthalate          | 18.01 | 163 | 8877060  | 20.56 | ug/L | 100  |
| 20) 2,6-Dinitrotoluene         | 18.12 | 165 | 1539800  | 22.69 | ug/L | 92   |
| 21) Acenaphylene               | 18.13 | 152 | 12494475 | 20.06 | ug/L | 98   |
| 22) Acenapthalene              | 18.66 | 153 | 7746526  | 21.57 | ug/L | 97   |
| 23) 2,4-Dinitrotoluene         | 19.28 | 165 | 1820761  | 18.96 | ug/L | 95   |
| 24) Diethylphthalate           | 20.15 | 149 | 8120516  | 21.64 | ug/L | 98   |
| 25) 4-Chlorophenyl-phenylether | 20.33 | 204 | 4260280  | 21.47 | ug/L | 99   |
| 26) Fluorene                   | 20.20 | 166 | 8922753  | 21.72 | ug/L | 97   |
| 28) Azobenzene                 | 20.78 | 77  | 10387836 | 20.97 | ug/L | 93   |
| 30) Nnitrosodiphenylamine      | 20.70 | 169 | 4375654  | 17.98 | ug/L | 94   |
| 31) 4-Bromophenyl-phenylether  | 21.76 | 248 | 2220657  | 22.67 | ug/L | 98   |
| 32) Hexachlorobenzene          | 21.79 | 284 | 2070334  | 22.08 | ug/L | 98   |
| 33) Phenanthrene               | 23.02 | 178 | 12895970 | 21.56 | ug/L | 97   |
| 34) Anthracene                 | 23.17 | 178 | 12963094 | 21.18 | ug/L | 98   |
| 35) Di-n-butylphthalate        | 25.09 | 149 | 14195262 | 21.61 | ug/L | 100  |

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

CAL20.D 050102.M

Fri May 17 15:13:45 2002

Page 1

Data File : C:\MSDCHEM\1\DATA\051602\CAL20.D

Vial: 2

Acq On : 16 May 2002 3:21 pm

Operator: Mclean

Sample :

Inst : Instrumen

Misc :

Multiplr: 1.00

MS Integration Params: EVENTS.E

Quant Time: May 17 15:13:14 2002

Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)

Title : 508 Modified GC/MS scan

Last Update : Mon May 13 11:40:29 2002

Response via : Initial Calibration

DataAcq Meth : 508SCAN

| Compound                       | R.T.  | QIon | Response | Conc  | Unit   | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 36) Fluoroanthene              | 26.54 | 202  | 13609729 | 22.19 | ug/L   | 99     |
| 38) Pyrene                     | 27.17 | 202  | 12874448 | 21.16 | ug/L   | 97     |
| 39) Butylbenzylphthalate       | 29.52 | 149  | 5460508  | 20.14 | ug/L # | 96     |
| 40) Benzo(a)anthracene         | 30.79 | 228  | 9416402  | 19.44 | ug/L   | 98     |
| 41) Bis(2-ethylhexyl)phthalate | 31.38 | 149  | 6849064  | 18.69 | ug/L   | 98     |
| 42) Chrysene                   | 30.88 | 228  | 9863098  | 19.66 | ug/L   | 97     |
| 44) Di-n-octylphthalate        | 33.24 | 149  | 8995606  | 18.35 | ug/L   | 98     |
| 45) Benzo(b)fluoranthene       | 33.75 | 252  | 9142700  | 22.74 | ug/L   | 97     |
| 46) Benzo(k)fluoranthene       | 33.83 | 252  | 11170579 | 22.11 | ug/L   | 99     |
| 47) Benzo(a)pyrene             | 34.55 | 252  | 8377555  | 20.87 | ug/L   | 99     |
| 48) Indeno(1,2,3-cd)pyrene     | 37.39 | 276  | 5826889  | 20.71 | ug/L   | 99     |
| 49) Dibenz(a,h)anthracene      | 37.51 | 278  | 6359048  | 21.25 | ug/L   | 98     |
| 50) Benzo(g,h,i)perylene       | 38.13 | 276  | 7176008  | 22.84 | ug/L   | 99     |

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(#) = qualifier out of range (m) = manual integration (+) = signals summed  
CAL20.D 050102.M Fri May 17 15:13:45 2002 Page 2

(QT Reviewed)

Vial: 2

Operator: Mclean

Inst : Instrumen

Multiplr: 1.00

Quant Results File: 050102.RES

Quant Time: May 17 15:13 2002

Title : 508 Modified GC/MS scan

Last Update : Mon May 13 11:40:29 2002

Response via : Initial Calibration

