User: Nefliu, Marcela
Westchester Dept. of Labs & Research
Date: 04/18/2002 Time: 11:23:53

Sample: AE07978
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 4/5/02 16:02 Ended: 4/15/02 16:02 Analyst: MN
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | n-Nitrosodimethylamine | | 7.7 | | 2.0 |
| 2 | bis(2-Chloroethyl)ether | | 16 | | 2.0 |
| 3 | 1,3-Dichlorobenzene | | 14 | | 2.0 |
| 4 | 1,4-Dichlorobenzene | | 14 | | 2.0 |
| 5 | 1,2-Dichlorobenzene | | 14 | | 2.0 |
| 6 | 2,2-oxybis(1-Chloropropane) | | 17 | | 2.0 |
| 7 | n-Nitrosodi-n-propylamine | | 18 | | 2.0 |
| 8 | Hexachloroethane | | 14 | | 2.0 |
| 9 | Nitrobenzene | | 15 | | 2.0 |
| 10 | Isophorone | | 14 | | 2.0 |
| 11 | bis(2-Chloroethoxy)methane | | 16 | | 2.0 |
| 12 | 1,2,4-Trichlorobenzene | | 14 | | 2.0 |
| 13 | Naphthalene | | 16 | | 2.0 |
| 14 | Hexachlorobutadiene | | 13 | | 2.0 |
| 15 | 2-Chloronaphthalene | | 15 | | 2.0 |
| 16 | Dimethylphthalate | | 17 | | 2.0 |
| 17 | 2,6-Dinitrotoluene | | 12 | | 2.0 |
| 18 | Acenaphthylene | | 16 | | 2.0 |
| 19 | Acenaphthene | | 16 | | 2.0 |
| 20 | 2,4-Dinitrotoluene | | 12 | | 2.0 |
| 21 | Diethylphthalate | | 17 | | 2.0 |
| 22 | 4-Chlorophenylphenylether | | 15 | | 2.0 |
| 23 | Fluorene | | 16 | | 2.0 |
| 24 | Azobenzene | | 17 | | 2.0 |
| 25 | n-Nitrosodiphenylamine | | 15 | | 2.0 |
| 26 | 4-Bromophenylphenylether | | 13 | | 2.0 |
| 27 | Hexachlorobenzene | | 13 | | 2.0 |
| 28 | Phenanthrene | | 16 | | 2.0 |
| 29 | Anthracene | | 15 | | 2.0 |
| 30 | Di-n-butylphthalate | | 17 | | 2.0 |
| 31 | Fluoranthene | | 16 | | 2.0 |
| 32 | Pyrene | | 18 | | 2.0 |
| 33 | Butylbenzylphthalate | | 16 | | 2.0 |
| 34 | Benzo(a)anthracene | | 20 | | 2.0 |
| 35 | bis(2-Ethylhexyl)phthalate | | 17 | | 2.0 |
| 36 | Chrysene | | 21 | | 2.0 |
| 37 | Di-n-octylphthalate | | 11 | | 2.0 |
| 38 | Benzo(b)fluoranthene | | 14 | | 2.0 |
| 39 | Benzo(k)fluoranthene | | 15 | | 2.0 |
| 40 | Benzo(a)pyrene | | 14 | | 2.0 |
| 41 | Indeno(1,2,3-cd)pyrene | | 13 | | 2.0 |
| 42 | Dibenz(a,h)anthracene | | 16 | | 2.0 |
| 43 | Benzo(g,h,i)perylene | | 18 | | 2.0 |

User: Nefliu, Marcela
Westchester Dept. of Labs & Research
Date: 04/18/2002 Time: 11:24:04

Sample: AE07978
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 4/5/02 16:02 Ended: 4/15/02 16:02 Analyst: MN
Result source: calculation
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | n-Nitrosodimethylamine | | 38 | | 2.0 |
| 2 | bis(2-Chloroethyl)ether | | 80 | | 2.0 |
| 3 | 1,3-Dichlorobenzene | | 70 | | 2.0 |
| 4 | 1,4-Dichlorobenzene | | 70 | | 2.0 |
| 5 | 1,2-Dichlorobenzene | | 70 | | 2.0 |
| 6 | 2,2-oxybis(1-Chloropropane) | | 85 | | 2.0 |
| 7 | n-Nitrosodi-n-propylamine | | 90 | | 2.0 |
| 8 | Hexachloroethane | | 70 | | 2.0 |
| 9 | Nitrobenzene | | 75 | | 2.0 |
| 10 | Isophorone | | 70 | | 2.0 |
| 11 | bis(2-Chloroethoxy)methane | | 80 | | 2.0 |
| 12 | 1,2,4-Trichlorobenzene | | 70 | | 2.0 |
| 13 | Naphthalene | | 80 | | 2.0 |
| 14 | Hexachlorobutadiene | | 65 | | 2.0 |
| 15 | 2-Chloronaphthalene | | 75 | | 2.0 |
| 16 | Dimethylphthalate | | 85 | | 2.0 |
| 17 | 2,6-Dinitrotoluene | | 60 | | 2.0 |
| 18 | Acenaphthylene | | 80 | | 2.0 |
| 19 | Acenaphthene | | 80 | | 2.0 |
| 20 | 2,4-Dinitrotoluene | | 60 | | 2.0 |
| 21 | Diethylphthalate | | 85 | | 2.0 |
| 22 | 4-Chlorophenylphenylether | | 75 | | 2.0 |
| 23 | Fluorene | | 80 | | 2.0 |
| 24 | Azobenzene | | 85 | | 2.0 |
| 25 | n-Nitrosodiphenylamine | | 75 | | 2.0 |
| 26 | 4-Bromophenylphenylether | | 65 | | 2.0 |
| 27 | Hexachlorobenzene | | 65 | | 2.0 |
| 28 | Phenanthrene | | 80 | | 2.0 |
| 29 | Anthracene | | 75 | | 2.0 |
| 30 | Di-n-butylphthalate | | 85 | | 2.0 |
| 31 | Fluoranthene | | 80 | | 2.0 |
| 32 | Pyrene | | 90 | | 2.0 |
| 33 | Butylbenzylphthalate | | 80 | | 2.0 |
| 34 | Benzo(a)anthracene | | 100 | | 2.0 |
| 35 | bis(2-Ethylhexyl)phthalate | | 85 | | 2.0 |
| 36 | Chrysene | | 100 | | 2.0 |
| 37 | | | | | |
| 38 | Benzo(b)fluoranthene | | 70 | | 2.0 |
| 39 | Benzo(k)fluoranthene | | 75 | | 2.0 |
| 40 | Benzo(a)pyrene | | 70 | | 2.0 |
| 41 | Indeno(1,2,3-cd)pyrene | | 65 | | 2.0 |
| 42 | Dibenz(a,h)anthracene | | 80 | | 2.0 |
| 43 | Benzo(g,h,i)perylene | | 90 | | 2.0 |

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020415\0405REF1.D Vial: 6
Acq On : 15 Apr 2002 2:50 pm Operator: Nefliu
Sample : 04/05 ref Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 16 11:07:04 2002 Quant Results File: 041202SCAN.RE

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue Apr 16 11:02:14 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.99 | 152 | 5226490 | 40.00 | ug/L | | 0.00 |
| 10) Napthalene-d8 | 13.49 | 136 | 20026709 | 40.00 | ug/L | | -0.01 |
| 17) Acenapthalene-d10 | 18.63 | 164 | 11892355 | 40.00 | ug/L | | 0.00 |
| 29) Phenanthranene-d10 | 23.02 | 188 | 18735395 | 40.00 | ug/L | | 0.00 |
| 37) Chrysene-d12 | 30.89 | 240 | 16278976 | 40.00 | ug/L | | -0.01 |
| 43) Perylene-d12 | 34.79 | 264 | 10880151 | 40.00 | ug/L | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 27) TCMX | 20.60 | 207 | 491259 | 7.45 | ug/L | | 0.00 |
| Spiked Amount 8.000 | | | Recovery = 93.13% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) n-nitros-dimethyl amine | 3.89 | 74 | 644751m | 7.69 | ug/L | | |
| 3) bis(2-Chloroethyl)ether | 9.40 | 93 | 2516225 | 15.60 | ug/L | | 93 |
| 4) 1,3-Dichlorobenzene | 9.82 | 146 | 2632773 | 13.51 | ug/L | | 98 |
| 5) 1,4-Dichlorobenzene | 10.03 | 146 | 2721420 | 13.68 | ug/L | | 98 |
| 6) 1,2-Dichlorobenzene | 10.41 | 146 | 2618255 | 13.66 | ug/l | | 98 |
| 7) 2,2'oxybis(1-Chloropropane | 10.86 | 45 | 4100694m | 17.19 | ug/L | | |
| 8) N-nitroso-di-propylamine | 11.18 | 70 | 1949158 | 17.93 | ug/L | | 95 |
| 9) Hexachloroethane | 11.31 | 117 | 863251 | 13.54 | ug/L | | 93 |
| 11) Nitrobenzene | 11.54 | 77 | 2596943 | 14.96 | ug/L | | 97 |
| 12) Isophorone | 12.26 | 82 | 4177162 | 13.85 | ug/L | | 98 |
| 13) bis(2-Chloroethoxy) methan | 13.00 | 93 | 3094197 | 15.92 | ug/L | | 98 |
| 14) 1,2,4-Trichlorobenzene | 13.36 | 180 | 2184687 | 13.55 | ug/L | | 98 |
| 15) Napthalene | 13.54 | 128 | 8126869 | 15.93 | ug/L | | 99 |
| 16) Hexachlorobutadiene | 13.99 | 225 | 1201043 | 12.77 | ug/L | | 99 |
| 18) 2-Chloronaphthalene | 16.99 | 162 | 4521598 | 14.65 | ug/L | | 98 |
| 19) Dimethylphthalate | 18.07 | 163 | 5629563 | 17.22 | ug/L | | 99 |
| 20) 2,6-Dinitrotoluene | 18.18 | 165 | 917017 | 12.33 | ug/L | # | 83 |
| 21) Acenapthylene | 18.19 | 152 | 7284733 | 16.38 | ug/L | | 99 |
| 22) Acenapthalene | 18.72 | 153 | 5254228 | 16.36 | ug/L | | 100 |
| 23) 2,4-Dinitrotoluene | 19.33 | 165 | 1079341 | 12.16 | ug/L | | 100 |
| 24) Diethylphthalate | 20.21 | 149 | 5702993 | 17.29 | ug/L | | 99 |
| 25) 4-Chlorophenyl-phenylether | 20.39 | 204 | 2760051 | 15.41 | ug/L | | 95 |
| 26) Fluorene | 20.26 | 166 | 5890728 | 15.96 | ug/L | | 99 |
| 28) Azobenzene/1,2-Diphenylhyd | 20.84 | 77 | 5903538 | 17.45 | ug/L | | 98 |
| 30) Nnitrosodiphenylamine | 20.76 | 169 | 2312824 | 15.41 | ug/L | | 99 |
| 31) 4-Bromophenyl-phenylether | 21.83 | 248 | 1557202 | 13.10 | ug/L | | 91 |
| 32) Hexachlorobenzene | 21.86 | 284 | 1778225 | 13.10 | ug/L | | 96 |
| 33) Phenanthrene | 23.09 | 178 | 8604142 | 16.42 | ug/L | | 99 |
| 34) Anthracene | 23.24 | 178 | 7542727 | 15.01 | ug/L | | 99 |
| 35) Di-n-butylphthalate | 25.16 | 149 | 9353233 | 17.11 | ug/L | | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020415\0405REF1.D Vial: 6
Acq On : 15 Apr 2002 2:50 pm Operator: Nefliu
Sample : 04/05 ref Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 16 11:07:04 2002 Quant Results File: 041202SCAN.RE

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue Apr 16 11:02:14 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 36) | Fluoroanthene | 26.61 | 202 | 8682675 | 15.84 | ug/L | 97 |
| 38) | Pyrene | 27.25 | 202 | 9201997 | 17.61 | ug/L | 98 |
| 39) | Butylbenzylphthalate | 29.60 | 149 | 3367197 | 16.38 | ug/L | 96 |
| 40) | Benzo(a)anthracene | 30.86 | 228 | 7948423 | 20.36 | ug/L | 98 |
| 41) | Bis(2-ethylhexyl)phthalate | 31.46 | 149 | 4270007 | 16.52 | ug/L | 95 |
| 42) | Chrysene | 30.96 | 228 | 7872281 | 21.08 | ug/L | 100 |
| 44) | Di-n-octylphthalate | 33.32 | 149 | 5284552 | 10.67 | ug/L | 98 |
| 45) | Benzo(b)fluoranthene | 33.83 | 252 | 6365938 | 14.04 | ug/L | 99 |
| 46) | Benzo(k)fluoranthene | 33.90 | 252 | 7298388 | 14.70 | ug/L | 97 |
| 47) | Benzo(a)pyrene | 34.63 | 252 | 4631511m | 14.11 | ug/L | |
| 48) | Indeno(1,2,3-cd)pyrene | 37.49 | 276 | 3133502 | 13.49 | ug/L | 98 |
| 49) | Dibenz(a,h)anthracene | 37.62 | 278 | 4007581 | 16.26 | ug/L | 99 |
| 50) | Benzo(g,h,i)perylene | 38.25 | 276 | 4243489 | 18.29 | ug/L | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020415\0405REF1.D Vial: 6
Acq On : 15 Apr 2002 2:50 pm Operator: Nefliu
Sample : 04/05 ref Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 16 11:07 2002 Quant Results File: 041202SCAN.RES

Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue Apr 16 11:14:47 2002
Response via : Initial Calibration