User: Nefliu, Marcela
Westchester Dept. of Labs & Research
Date: 05/03/2002 Time: 09:44:42

Sample: AE08323
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 4/9/02 09:40 Ended: 4/19/02 09:40 Analyst: MN
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | n-Nitrosodimethylamine | | 7.0 | | 2.0 |
| 2 | bis(2-Chloroethyl)ether | | 14 | | 2.0 |
| 3 | 1,3-Dichlorobenzene | | 14 | | 2.0 |
| 4 | 1,4-Dichlorobenzene | | 14 | | 2.0 |
| 5 | 1,2-Dichlorobenzene | | 15 | | 2.0 |
| 6 | 2,2-oxybis(1-Chloropropane) | | 15 | | 2.0 |
| 7 | n-Nitrosodi-n-propylamine | | 15 | | 2.0 |
| 8 | Hexachloroethane | | 12 | | 2.0 |
| 9 | Nitrobenzene | | 12 | | 2.0 |
| 10 | Isophorone | | 13 | | 2.0 |
| 11 | bis(2-Chloroethoxy)methane | | 15 | | 2.0 |
| 12 | 1,2,4-Trichlorobenzene | | 15 | | 2.0 |
| 13 | Naphthalene | | 16 | | 2.0 |
| 14 | Hexachlorobutadiene | | 16 | | 2.0 |
| 15 | 2-Chloronaphthalene | | 18 | | 2.0 |
| 16 | Dimethylphthalate | | 18 | | 2.0 |
| 17 | 2,6-Dinitrotoluene | | 12 | | 2.0 |
| 18 | Acenaphthylene | | 15 | | 2.0 |
| 19 | Acenaphthene | | 17 | | 2.0 |
| 20 | 2,4-Dinitrotoluene | | 12 | | 2.0 |
| 21 | Diethylphthalate | | 19 | | 2.0 |
| 22 | 4-Chlorophenylphenylether | | 17 | | 2.0 |
| 23 | Fluorene | | 18 | | 2.0 |
| 24 | Azobenzene | | 14 | | 2.0 |
| 25 | n-Nitrosodiphenylamine | | 15 | | 2.0 |
| 26 | 4-Bromophenylphenylether | | 18 | | 2.0 |
| 27 | Hexachlorobenzene | | 19 | | 2.0 |
| 28 | Phenanthrene | | 18 | | 2.0 |
| 29 | Anthracene | | 15 | | 2.0 |
| 30 | Di-n-butylphthalate | | 17 | | 2.0 |
| 31 | Fluoranthene | | 18 | | 2.0 |
| 32 | Pyrene | | 18 | | 2.0 |
| 33 | Butylbenzylphthalate | | 15 | | 2.0 |
| 34 | Benzo(a)anthracene | | 18 | | 2.0 |
| 35 | bis(2-Ethylhexyl)phthalate | | 16 | | 2.0 |
| 36 | Chrysene | | 18 | | 2.0 |
| 37 | Di-n-octylphthalate | | 13 | | 2.0 |
| 38 | Benzo(b)fluoranthene | | 16 | | 2.0 |
| 39 | Benzo(k)fluoranthene | | 16 | | 2.0 |
| 40 | Benzo(a)pyrene | | 13 | | 2.0 |
| 41 | Indeno(1,2,3-cd)pyrene | | 17 | | 2.0 |
| 42 | Dibenz(a,h)anthracene | | 20 | | 2.0 |
| 43 | Benzo(g,h,i)perylene | | 20 | | 2.0 |

User: Nefliu, Marcela
Westchester Dept. of Labs & Research
Date: 05/03/2002 Time: 09:44:53

Sample: AE08323
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 4/9/02 09:40 Ended: 4/19/02 09:40 Analyst: MN
Result source: calculation
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | n-Nitrosodimethylamine | | 35 | | 2.0 |
| 2 | bis(2-Chloroethyl)ether | | 70 | | 2.0 |
| 3 | 1,3-Dichlorobenzene | | 70 | | 2.0 |
| 4 | 1,4-Dichlorobenzene | | 70 | | 2.0 |
| 5 | 1,2-Dichlorobenzene | | 75 | | 2.0 |
| 6 | 2,2-oxybis(1-Chloropropane) | | 75 | | 2.0 |
| 7 | n-Nitrosodi-n-propylamine | | 75 | | 2.0 |
| 8 | Hexachloroethane | | 60 | | 2.0 |
| 9 | Nitrobenzene | | 60 | | 2.0 |
| 10 | Isophorone | | 65 | | 2.0 |
| 11 | bis(2-Chloroethoxy)methane | | 75 | | 2.0 |
| 12 | 1,2,4-Trichlorobenzene | | 75 | | 2.0 |
| 13 | Naphthalene | | 80 | | 2.0 |
| 14 | Hexachlorobutadiene | | 80 | | 2.0 |
| 15 | 2-Chloronaphthalene | | 90 | | 2.0 |
| 16 | Dimethylphthalate | | 90 | | 2.0 |
| 17 | 2,6-Dinitrotoluene | | 60 | | 2.0 |
| 18 | Acenaphthylene | | 75 | | 2.0 |
| 19 | Acenaphthene | | 85 | | 2.0 |
| 20 | 2,4-Dinitrotoluene | | 60 | | 2.0 |
| 21 | Diethylphthalate | | 95 | | 2.0 |
| 22 | 4-Chlorophenylphenylether | | 85 | | 2.0 |
| 23 | Fluorene | | 90 | | 2.0 |
| 24 | Azobenzene | | 70 | | 2.0 |
| 25 | n-Nitrosodiphenylamine | | 75 | | 2.0 |
| 26 | 4-Bromophenylphenylether | | 90 | | 2.0 |
| 27 | Hexachlorobenzene | | 95 | | 2.0 |
| 28 | Phenanthrene | | 90 | | 2.0 |
| 29 | Anthracene | | 75 | | 2.0 |
| 30 | Di-n-butylphthalate | | 85 | | 2.0 |
| 31 | Fluoranthene | | 90 | | 2.0 |
| 32 | Pyrene | | 90 | | 2.0 |
| 33 | Butylbenzylphthalate | | 75 | | 2.0 |
| 34 | Benzo(a)anthracene | | 90 | | 2.0 |
| 35 | bis(2-Ethylhexyl)phthalate | | 80 | | 2.0 |
| 36 | Chrysene | | 90 | | 2.0 |
| 37 | Di-n-octylphthalate | | 65 | | 2.0 |
| 38 | Benzo(b)fluoranthene | | 80 | | 2.0 |
| 39 | Benzo(k)fluoranthene | | 80 | | 2.0 |
| 40 | Benzo(a)pyrene | | 65 | | 2.0 |
| 41 | Indeno(1,2,3-cd)pyrene | | 85 | | 2.0 |
| 42 | Dibenz(a,h)anthracene | | 100 | | 2.0 |
| 43 | Benzo(g,h,i)perylene | | 100 | | 2.0 |

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020419\0409REF2.D Vial: 7
Acq On : 19 Apr 2002 2:01 pm Operator: Nefliu
Sample : 04/09 ref Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 19 15:46:29 2002 Quant Results File: SCAN020418.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020418.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Last Update : Fri Apr 19 13:40:58 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN1

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.38 | 152 | 10699668 | 40.00 | ug/l | | -0.05 |
| 10) Naphthalene-d8 | 16.54 | 136 | 41265134 | 40.00 | ug/l | | -0.07 |
| 17) Acenaphthene-d10 | 24.46 | 164 | 22114413 | 40.00 | ug/l | | -0.06 |
| 31) Phenanthrene-d10 | 31.72 | 188 | 33084313 | 40.00 | ug/l | | -0.06 |
| 39) Chrysene-d12 | 39.94 | 240 | 24687165 | 40.00 | ug/l | | -0.07 |
| 45) Perylene-d12 | 43.16 | 264 | 17264902 | 40.00 | ug/l | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 28) TCMX | 27.54 | 207 | 841782 | 6.13 | ug/l | | -0.07 |
| Spiked Amount ~~10.000~~ 8.0 | | | Recovery = | ~~61.3~~ 76.6 | % | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) N-nitrosodimethylamine | 4.00 | 74 | 1195571m | 6.95 | ug/l | | |
| 3) bis(2-Chloroethyl)ether | 10.65 | 93 | 4987167 | 14.10 | ug/l | | 99 |
| 4) 1.3-Dichlorbenzene | 11.11 | 146 | 5414706 | 14.31 | ug/l | | 100 |
| 5) 1,4-Dichlorobenzene | 11.44 | 146 | 5573785 | 13.58 | ug/l | | 100 |
| 6) 1,2-Dichlorobenzene | 11.96 | 146 | 5355522 | 14.86 | ug/l | | 100 |
| 7) 2,2'oxybis(1-Chloropropane | 12.78 | 45 | 7595724m | 15.25 | ug/l | | |
| 8) N-Nitroso-di-n-propylamine | 13.25 | 43 | 2832648 | 15.28 | ug/l | | 99 |
| 9) Hexachloroethane | 13.26 | 119 | 1725175 | 12.27 | ug/l | # | 90 |
| 11) Nitrobenzene | 13.67 | 77 | 3692325 | 12.18 | ug/l | | 99 |
| 12) Isophorone | 14.78 | 82 | 7879212 | 13.20 | ug/l | | 98 |
| 13) bis(2-Chloroethoxy) methan | 16.03 | 93 | 6437781 | 15.30 | ug/l | | 97 |
| 14) 1,2,4-Trichlorobenzene | 16.38 | 180 | 4313304 | 14.71 | ug/l | | 98 |
| 15) Naphthalene | 16.62 | 128 | 15623378 | 15.87 | ug/l | | 98 |
| 16) Hexachlorobutadiene | 17.40 | 225 | 2052043 | 15.52 | ug/l | | 98 |
| 18) Hexachlorocyclopentadiene | 20.58 | 237 | 311060 | 3.05 | ug/l | | 93 |
| 19) 2-Chloronaphthalene | 21.93 | 162 | 9829895 | 18.20 | ug/l | | 97 |
| 20) Acenaphthylene | 23.75 | 152 | 14342863 | 14.51 | ug/l | | 98 |
| 21) Dimethyl phthalate | 23.85 | 163 | 11754235 | 17.77 | ug/l | | 100 |
| 22) 2,6-Dinitrotoluene | 23.96 | 77 | 368823 | 11.99 | ug/l | # | 79 |
| 23) Acenaphthene | 24.60 | 153 | 9565758 | 17.10 | ug/l | | 97 |
| 24) 2,4-Dinitrotoluene | 25.74 | 165 | 1418427 | 11.66 | ug/l | | 97 |
| 25) Fluorene | 27.01 | 166 | 11693947 | 18.09 | ug/l | | 97 |
| 26) Diethyl phthalate | 27.23 | 149 | 11108163 | 18.80 | ug/l | | 99 |
| 27) 4-Chlorophenyl-phenylether | 27.35 | 204 | 5081419 | 17.47 | ug/l | | 98 |
| 29) N-Nitrosodiphenylamine | 27.94 | 168 | 3007917 | 14.53 | ug/l | # | 85 |
| 30) Azobenzene | 28.03 | 77 | 9873892 | 14.32 | ug/l | | 94 |
| 32) Hexachlorobenzene | 29.60 | 284 | 3226439 | 19.08 | ug/l | | 98 |
| 33) 4-Bromophenyl-phenylether | 29.71 | 248 | 2901144 | 18.06 | ug/l | | 91 |
| 34) Phenanthrene | 31.82 | 178 | 16599683 | 17.98 | ug/l | | 98 |
| 35) Anthracene | 32.05 | 178 | 14615983 | 15.39 | ug/l | | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020419\0409REF2.D Vial: 7
Acq On : 19 Apr 2002 2:01 pm Operator: Nefliu
Sample : 04/09 ref Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 19 15:46:29 2002 Quant Results File: SCAN020418.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020418.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Last Update : Fri Apr 19 13:40:58 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN1

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 36) | Di-n-butylphthalate | 34.81 | 149 | 19704916 | 16.99 | ug/l | | 99 |
| 37) | Fluoranthene | 36.06 | 202 | 16992182 | 18.33 | ug/l | | 84 |
| 40) | Pyrene | 36.66 | 202 | 17965716 | 18.11 | ug/l | | 90 |
| 41) | Buthylbenzylphthalate | 38.93 | 149 | 7700411 | 15.31 | ug/l | | 95 |
| 42) | Benz(a)anthracene | 39.92 | 228 | 14514566 | 17.67 | ug/l | | 97 |
| 43) | Chrysene | 40.00 | 228 | 13942250 | 18.45 | ug/l | | 96 |
| 44) | Bis(2-ethylhexyl)phthalate | 40.53 | 149 | 10181574 | 16.49 | ug/l | | 94 |
| 46) | Di-n-Octyl phthalate | 42.04 | 149 | 15199353 | 13.24 | ug/l | | 96 |
| 47) | Benzo(b)fluoranthene | 42.37 | 252 | 12599447m | 16.35 | ug/l | | |
| 48) | Benzo(k)fluoranthene | 42.44 | 252 | 12453847 | 16.25 | ug/l | | 89 |
| 49) | Benzo(a)pyrene | 43.02 | 252 | 9274164m | 12.72 | ug/l | | |
| 50) | Indeno(1,2,3-cd)pyrene | 45.22 | 138 | 3033790 | 17.17 | ug/l | # | 45 |
| 51) | Dibenz(a,h)anthracene | 45.32 | 139 | 2685742 | 20.30 | ug/l | # | 82 |
| 52) | Benzo(ghi)perylene | 45.78 | 276 | 8389467 | 20.41 | ug/l | | 85 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020419\0409REF2.D Vial: 7
Acq On : 19 Apr 2002 2:01 pm Operator: Nefliu
Sample : 04/09 ref Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 22 15:31 2002 Quant Results File: SCAN020418.RES

Method : C:\MSDCHEM\1\METHODS\SCAN020418.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Last Update : Mon Apr 22 08:00:39 2002
Response via : Initial Calibration