User: Nefliu, Marcela
Westchester Dept. of Labs & Research
Date: 05/16/2002 Time: 15:02:51

Sample: AE11157
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 5/13/02 14:57 Ended: 5/15/02 14:57 Analyst: MN
Result source: manual entry
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | n-Nitrosodimethylamine | | 8.3 | | 2.0 |
| 2 | bis(2-Chloroethyl)ether | | 17 | | 2.0 |
| 3 | 1,3-Dichlorobenzene | | 14 | | 2.0 |
| 4 | 1,4-Dichlorobenzene | | 14 | | 2.0 |
| 5 | 1,2-Dichlorobenzene | | 16 | | 2.0 |
| 6 | 2,2-oxybis(1-Chloropropane) | | 18 | | 2.0 |
| 7 | n-Nitrosodi-n-propylamine | | 19 | | 2.0 |
| 8 | Hexachloroethane | | 10 | | 2.0 |
| 9 | Nitrobenzene | | 18 | | 2.0 |
| 10 | Isophorone | | 21 | | 2.0 |
| 11 | bis(2-Chloroethoxy)methane | | 18 | | 2.0 |
| 12 | 1,2,4-Trichlorobenzene | | 16 | | 2.0 |
| 13 | Naphthalene | | 19 | | 2.0 |
| 14 | Hexachlorobutadiene | | 11 | | 2.0 |
| 15 | 2-Chloronaphthalene | | 20 | | 2.0 |
| 16 | Dimethylphthalate | | 20 | | 2.0 |
| 17 | 2,6-Dinitrotoluene | | 21 | | 2.0 |
| 18 | Acenaphthylene | | 18 | | 2.0 |
| 19 | Acenaphthene | | 19 | | 2.0 |
| 20 | 2,4-Dinitrotoluene | | 18 | | 2.0 |
| 21 | Diethylphthalate | | 22 | | 2.0 |
| 22 | 4-Chlorophenylphenylether | | 19 | | 2.0 |
| 23 | Fluorene | | 20 | | 2.0 |
| 24 | Azobenzene | | 18 | | 2.0 |
| 25 | n-Nitrosodiphenylamine | | 21 | | 2.0 |
| 26 | 4-Bromophenylphenylether | | 20 | | 2.0 |
| 27 | Hexachlorobenzene | | 20 | | 2.0 |
| 28 | Phenanthrene | | 20 | | 2.0 |
| 29 | Anthracene | | 18 | | 2.0 |
| 30 | Di-n-butylphthalate | | 20 | | 2.0 |
| 31 | Fluoranthene | | 19 | | 2.0 |
| 32 | Pyrene | | 22 | | 2.0 |
| 33 | Butylbenzylphthalate | | 20 | | 2.0 |
| 34 | Benzo(a)anthracene | | 20 | | 2.0 |
| 35 | bis(2-Ethylhexyl)phthalate | | 21 | | 2.0 |
| 36 | Chrysene | | 20 | | 2.0 |
| 37 | Di-n-octylphthalate | | 17 | | 2.0 |
| 38 | Benzo(b)fluoranthene | | 19 | | 2.0 |
| 39 | Benzo(k)fluoranthene | | 20 | | 2.0 |
| 40 | Benzo(a)pyrene | | 16 | | 2.0 |
| 41 | Indeno(1,2,3-cd)pyrene | | 15 | | 2.0 |
| 42 | Dibenz(a,h)anthracene | | 18 | | 2.0 |
| 43 | Benzo(g,h,i)perylene | | 19 | | 2.0 |

User: Nefliu, Marcela
Westchester Dept. of Labs & Research
Date: 05/16/2002 Time: 15:02:49

Sample: AE11157
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 5/13/02 14:57 Ended: 5/15/02 14:57 Analyst: MN
Result source: calculation
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | n-Nitrosodimethylamine | | 42 | | 2.0 |
| 2 | bis(2-Chloroethyl)ether | | 85 | | 2.0 |
| 3 | 1,3-Dichlorobenzene | | 70 | | 2.0 |
| 4 | 1,4-Dichlorobenzene | | 70 | | 2.0 |
| 5 | 1,2-Dichlorobenzene | | 80 | | 2.0 |
| 6 | 2,2-oxybis(1-Chloropropane) | | 90 | | 2.0 |
| 7 | n-Nitrosodi-n-propylamine | | 95 | | 2.0 |
| 8 | Hexachloroethane | | 50 | | 2.0 |
| 9 | Nitrobenzene | | 90 | | 2.0 |
| 10 | Isophorone | | 100 | | 2.0 |
| 11 | bis(2-Chloroethoxy)methane | | 90 | | 2.0 |
| 12 | 1,2,4-Trichlorobenzene | | 80 | | 2.0 |
| 13 | Naphthalene | | 95 | | 2.0 |
| 14 | Hexachlorobutadiene | | 55 | | 2.0 |
| 15 | 2-Chloronaphthalene | | 100 | | 2.0 |
| 16 | Dimethylphthalate | | 100 | | 2.0 |
| 17 | 2,6-Dinitrotoluene | | 100 | | 2.0 |
| 18 | Acenaphthylene | | 90 | | 2.0 |
| 19 | Acenaphthene | | 95 | | 2.0 |
| 20 | 2,4-Dinitrotoluene | | 90 | | 2.0 |
| 21 | Diethylphthalate | | 110 | | 2.0 |
| 22 | 4-Chlorophenylphenylether | | 95 | | 2.0 |
| 23 | Fluorene | | 100 | | 2.0 |
| 24 | Azobenzene | | 90 | | 2.0 |
| 25 | n-Nitrosodiphenylamine | | 100 | | 2.0 |
| 26 | 4-Bromophenylphenylether | | 100 | | 2.0 |
| 27 | Hexachlorobenzene | | 100 | | 2.0 |
| 28 | Phenanthrene | | 100 | | 2.0 |
| 29 | Anthracene | | 90 | | 2.0 |
| 30 | Di-n-butylphthalate | | 100 | | 2.0 |
| 31 | Fluoranthene | | 95 | | 2.0 |
| 32 | Pyrene | | 110 | | 2.0 |
| 33 | Butylbenzylphthalate | | 100 | | 2.0 |
| 34 | Benzo(a)anthracene | | 100 | | 2.0 |
| 35 | bis(2-Ethylhexyl)phthalate | | 100 | | 2.0 |
| 36 | Chrysene | | 100 | | 2.0 |
| 37 | Di-n-octylphthalate | | 85 | | 2.0 |
| 38 | Benzo(b)fluoranthene | | 95 | | 2.0 |
| 39 | Benzo(k)fluoranthene | | 100 | | 2.0 |
| 40 | Benzo(a)pyrene | | 80 | | 2.0 |
| 41 | Indeno(1,2,3-cd)pyrene | | 75 | | 2.0 |
| 42 | Dibenz(a,h)anthracene | | 90 | | 2.0 |
| 43 | Benzo(g,h,i)perylene | | 95 | | 2.0 |

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020515\0513REF2.D Vial: 6
Acq On : 15 May 2002 4:46 pm Operator: Nefliu
Sample : 05/13 ref Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e
Quant Time: May 16 14:49:25 2002 Quant Results File: SCAN020507.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)
Title : Method 508 GC/MS Scan
Last Update : Thu May 16 14:49:15 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 | 482200 | 40.00 | ug/l | -0.01 |
| 10) Naphthalene-d8 | 16.54 | 136 | 1778636 | 40.00 | ug/l | -0.03 |
| 17) Acenaphthene-d10 | 24.46 | 164 | 956861 | 40.00 | ug/l | -0.02 |
| 30) Phenanthrene-d10 | 31.72 | 188 | 1601972 | 40.00 | ug/l | -0.02 |
| 38) Chrysene-d12 | 39.94 | 240 | 1239096 | 40.00 | ug/l | -0.05 |
| 44) Perylene-d12 | 43.16 | 264 | 799479 | 40.00 | ug/l | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 27) TCMX | 27.56 | 207 | 267280 | 34.97 | ug/l | -0.02 |
| Spiked Amount 40.000 | | | Recovery = 87.42% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitrosodimethylamine | 3.95 | 74 | 63488m | 8.26 | ug/l | |
| 3) bis(2-Chloroethyl)ether | 10.65 | 93 | 322500 | 17.29 | ug/l | 99 |
| 4) 1.3-Dichlorbenzene | 11.12 | 146 | 217651 | 13.98 | ug/l | 96 |
| 5) 1,4-Dichlorobenzene | 11.43 | 146 | 237008 | 13.95 | ug/l | 98 |
| 6) 1,2-Dichlorobenzene | 11.95 | 146 | 232962 | 15.79 | ug/l | 99 |
| 7) 2,2'oxybis(1-Chloropropane | 12.78 | 45 | 542895m | 18.22 | ug/l | |
| 8) N-Nitroso-di-n-propylamine | 13.26 | 43 | 254745 | 19.09 | ug/l | 97 |
| 9) Hexachloroethane | 13.25 | 119 | 74330 | 10.08 | ug/l | 94 |
| 11) Nitrobenzene | 13.67 | 77 | 390465 | 18.29 | ug/l | 97 |
| 12) Isophorone | 14.78 | 82 | 779084 | 20.95 | ug/l | 100 |
| 13) bis(2-Chloroethoxy) methan | 16.02 | 93 | 402166 | 18.20 | ug/l | 97 |
| 14) 1,2,4-Trichlorobenzene | 16.38 | 180 | 210301 | 16.48 | ug/l | 97 |
| 15) Naphthalene | 16.62 | 128 | 850784 | 19.09 | ug/l | 99 |
| 16) Hexachlorobutadiene | 17.39 | 225 | 79245 | 10.70 | ug/l | 99 |
| 18) 2-Chloronaphthalene | 21.93 | 162 | 462996 | 20.33 | ug/l | 97 |
| 19) Acenaphthylene | 23.75 | 152 | 778430 | 17.51 | ug/l | 97 |
| 20) Dimethyl phthalate | 23.84 | 163 | 586604 | 19.74 | ug/l | 96 |
| 21) 2,6-Dinitrotoluene | 23.96 | 77 | 53171 | 20.78 | ug/l | 94 |
| 22) Acenaphthene | 24.59 | 153 | 501764 | 19.47 | ug/l | 99 |
| 23) 2,4-Dinitrotoluene | 25.74 | 165 | 124482 | 18.19 | ug/l | 95 |
| 24) Fluorene | 27.00 | 166 | 594764 | 20.07 | ug/l | 100 |
| 25) Diethyl phthalate | 27.23 | 149 | 643046 | 21.52 | ug/l | 98 |
| 26) 4-Chlorophenyl-phenylether | 27.35 | 204 | 277307 | 18.89 | ug/l | 98 |
| 28) N-Nitrosodiphenylamine | 27.94 | 168 | 198317 | 20.53 | ug/l | 98 |
| 29) Azobenzene | 28.03 | 77 | 799511 | 17.51 | ug/l | 98 |
| 31) Hexachlorobenzene | 29.59 | 284 | 171950 | 20.35 | ug/l | 100 |
| 32) 4-Bromophenyl-phenylether | 29.71 | 248 | 163105 | 19.72 | ug/l | 88 |
| 33) Phenanthrene | 31.81 | 178 | 806458 | 19.80 | ug/l | 99 |
| 34) Anthracene | 32.05 | 178 | 736433 | 17.85 | ug/l | 99 |
| 35) Di-n-butylphthalate | 34.81 | 149 | 1032754 | 20.26 | ug/l | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020515\0513REF2.D Vial: 6
Acq On : 15 May 2002 4:46 pm Operator: Nefliu
Sample : 05/13 ref Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e
Quant Time: May 16 14:49:25 2002 Quant Results File: SCAN020507.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)
Title : Method 508 GC/MS Scan
Last Update : Thu May 16 14:49:15 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN1

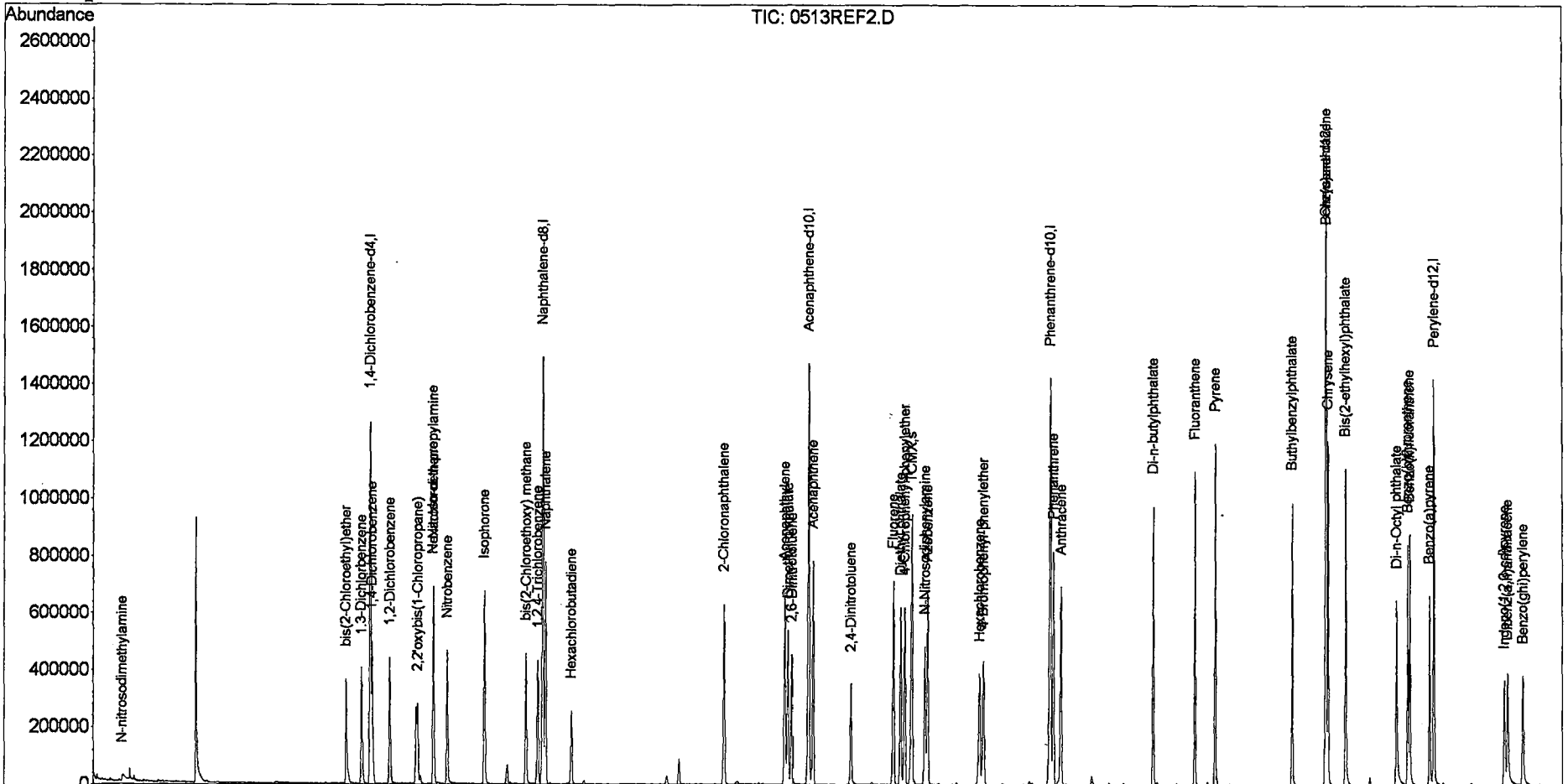
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 36) | Fluoranthene | 36.05 | 202 | 890366 | 19.39 | ug/l | 98 |
| 39) | Pyrene | 36.66 | 202 | 938510 | 21.65 | ug/l | 96 |
| 40) | Buthylbenzylphthalate | 38.93 | 149 | 414864 | 19.90 | ug/l | 98 |
| 41) | Benz(a)anthracene | 39.92 | 228 | 751892 | 19.57 | ug/l | 99 |
| 42) | Chrysene | 40.00 | 228 | 732613 | 20.25 | ug/l | 100 |
| 43) | Bis(2-ethylhexyl)phthalate | 40.52 | 149 | 562048 | 21.18 | ug/l | 98 |
| 45) | Di-n-Octyl phthalate | 42.03 | 149 | 722490 | 16.59 | ug/l | 98 |
| 46) | Benzo(b)fluoranthene | 42.38 | 252 | 597344 | 19.26 | ug/l | 98 |
| 47) | Benzo(k)fluoranthene | 42.44 | 252 | 632797 | 19.94 | ug/l | 97 |
| 48) | Benzo(a)pyrene | 43.02 | 252 | 462470 | 15.56 | ug/l | 98 |
| 49) | Indeno(1,2,3-cd)pyrene | 45.22 | 276 | 337816 | 15.36 | ug/l | 99 |
| 50) | Dibenz(a,h)anthracene | 45.32 | 278 | 365140 | 17.51 | ug/l | 99 |
| 51) | Benzo(ghi)perylene | 45.77 | 276 | 393326 | 18.67 | ug/l | 96 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020515\0513REF2.D Vial: 6
Acq On : 15 May 2002 4:46 pm Operator: Nefliu
Sample : 05/13 ref Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e
Quant Time: May 16 14:49 2002 Quant Results File: SCAN020507.RES

Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)
Title : Method 508 GC/MS Scan
Last Update : Thu May 16 14:49:15 2002
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020515\0513REF1.D Vial: 5
Acq On : 15 May 2002 3:46 pm Operator: Nefliu
Sample : 05/13 ref Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e
Quant Time: May 16 14:44:27 2002 Quant Results File: SCAN020507.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)
Title : Method 508 GC/MS Scan
Last Update : Wed May 15 15:22:39 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 | 443901 | 40.00 | ug/l | -0.01 |
| 10) Naphthalene-d8 | 16.54 | 136 | 1674153 | 40.00 | ug/l | -0.03 |
| 17) Acenaphthene-d10 | 24.46 | 164 | 885675 | 40.00 | ug/l | -0.02 |
| 30) Phenanthrene-d10 | 31.72 | 188 | 1531067 | 40.00 | ug/l | -0.02 |
| 38) Chrysene-d12 | 39.94 | 240 | 1249885 | 40.00 | ug/l | -0.04 |
| 44) Perylene-d12 | 43.16 | 264 | 749588 | 40.00 | ug/l | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 27) TCMX | 27.56 | 207 | 244183 | 34.51 | ug/l | -0.01 |
| Spiked Amount 40.000 | | | Recovery = | 86.27% | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitrosodimethylamine | 4.00 | 74 | 54070m | 7.64 | ug/l | |
| 3) bis(2-Chloroethyl)ether | 10.65 | 93 | 283399 | 16.50 | ug/l | 100 |
| 4) 1.3-Dichlorbenzene | 11.12 | 146 | 195041 | 13.61 | ug/l | 97 |
| 5) 1,4-Dichlorobenzene | 11.43 | 146 | 205479 | 13.13 | ug/l | 99 |
| 6) 1,2-Dichlorobenzene | 11.96 | 146 | 207315 | 15.26 | ug/l | 97 |
| 7) 2,2'oxybis(1-Chloropropane | 12.78 | 45 | 469388m | 17.11 | ug/l | |
| 8) N-Nitroso-di-n-propylamine | 13.25 | 43 | 221717 | 18.05 | ug/l | 97 |
| 9) Hexachloroethane | 13.26 | 119 | 64967 | 9.57 | ug/l | 98 |
| 11) Nitrobenzene | 13.67 | 77 | 334555 | 16.65 | ug/l | 100 |
| 12) Isophorone | 14.78 | 82 | 691621 | 19.75 | ug/l | 99 |
| 13) bis(2-Chloroethoxy) methan | 16.02 | 93 | 357919 | 17.21 | ug/l | 99 |
| 14) 1,2,4-Trichlorobenzene | 16.38 | 180 | 177675 | 14.80 | ug/l | 97 |
| 15) Naphthalene | 16.62 | 128 | 737825 | 17.59 | ug/l | 99 |
| 16) Hexachlorobutadiene | 17.39 | 225 | 70241 | 10.08 | ug/l | 97 |
| 18) 2-Chloronaphthalene | 21.93 | 162 | 414592 | 19.66 | ug/l | 96 |
| 19) Acenaphthylene | 23.75 | 152 | 688262 | 16.73 | ug/l | 98 |
| 20) Dimethyl phthalate | 23.84 | 163 | 523952 | 19.05 | ug/l | 99 |
| 21) 2,6-Dinitrotoluene | 23.96 | 77 | 47021 | 19.85 | ug/l | 91 |
| 22) Acenaphthene | 24.60 | 153 | 437382 | 18.34 | ug/l | 90 |
| 23) 2,4-Dinitrotoluene | 25.74 | 165 | 109194 | 17.24 | ug/l | 92 |
| 24) Fluorene | 27.01 | 166 | 534519 | 19.48 | ug/l | 100 |
| 25) Diethyl phthalate | 27.22 | 149 | 576987 | 20.86 | ug/l | 97 |
| 26) 4-Chlorophenyl-phenylether | 27.35 | 204 | 246561 | 18.14 | ug/l | 97 |
| 28) N-Nitrosodiphenylamine | 27.94 | 168 | 181491 | 20.30 | ug/l | 99 |
| 29) Azobenzene | 28.03 | 77 | 731342 | 17.30 | ug/l | 100 |
| 31) Hexachlorobenzene | 29.60 | 284 | 155305 | 19.23 | ug/l | 98 |
| 32) 4-Bromophenyl-phenylether | 29.71 | 248 | 145466 | 18.40 | ug/l | 99 |
| 33) Phenanthrene | 31.82 | 178 | 731799 | 18.80 | ug/l | 98 |
| 34) Anthracene | 32.04 | 178 | 668535 | 16.95 | ug/l | 99 |
| 35) Di-n-butylphthalate | 34.81 | 149 | 940300 | 19.30 | ug/l | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020515\0513REF1.D Vial: 5
Acq On : 15 May 2002 3:46 pm Operator: Nefliu
Sample : 05/13 ref Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e
Quant Time: May 16 14:44:27 2002 Quant Results File: SCAN020507.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)
Title : Method 508 GC/MS Scan
Last Update : Wed May 15 15:22:39 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN1

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 36) Fluoranthene | 36.05 | 202 | 828314 | 18.88 ug/l | 98 |
| 39) Pyrene | 36.66 | 202 | 872214 | 19.95 ug/l | 98 |
| 40) Buthylbenzylphthalate | 38.93 | 149 | 390809 | 18.58 ug/l | 97 |
| 41) Benz(a)anthracene | 39.91 | 228 | 728195 | 18.79 ug/l | 100 |
| 42) Chrysene | 40.00 | 228 | 707436 | 19.39 ug/l | 98 |
| 43) Bis(2-ethylhexyl)phthalate | 40.52 | 149 | 557896 | 20.84 ug/l | 96 |
| 45) Di-n-Octyl phthalate | 42.03 | 149 | 632858 | 15.50 ug/l | 99 |
| 46) Benzo(b)fluoranthene | 42.37 | 252 | 544093 | 18.71 ug/l | 99 |
| 47) Benzo(k)fluoranthene | 42.44 | 252 | 562435 | 18.91 ug/l | 98 |
| 48) Benzo(a)pyrene | 43.02 | 252 | 410995 | 14.75 ug/l | 98 |
| 49) Indeno(1,2,3-cd)pyrene | 45.22 | 276 | 278959m | 13.52 ug/l | |
| 50) Dibenz(a,h)anthracene | 45.32 | 278 | 300698 | 15.38 ug/l | 98 |
| 51) Benzo(ghi)perylene | 45.77 | 276 | 335483 | 16.98 ug/l | 93 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020515\0513REF1.D Vial: 5
Acq On : 15 May 2002 3:46 pm Operator: Nefliu
Sample : 05/13 ref Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e
Quant Time: May 16 14:45 2002 Quant Results File: SCAN020507.RES

Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)
Title : Method 508 GC/MS Scan
Last Update : Wed May 15 15:22:39 2002
Response via : Initial Calibration