

## Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020408\0408C3.D

Vial: 4

Acq On : 8 Apr 2002 1:41 pm

Operator: McLean

Sample : 25.0

Inst : Instrumen

Misc :

Multiplr: 1.00

MS Integration Params: EVENTS.E

Quant Time: Apr 09 15:10:09 2002

Quant Results File: SCANAPR0902.R

Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)

Title : Method 508 GC/MS Scan

Last Update : Tue Apr 09 15:05:54 2002

Response via : Initial Calibration

DataAcq Meth : 508SCAN1

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 10.66 | 152  | 2309878  | 20.00 | ug/l  | 0.00      |
| 10) Naphthalene-d8        | 15.78 | 136  | 8984290  | 20.00 | ug/l  | 0.00      |
| 17) Acenaphthene-d10      | 23.66 | 164  | 4708989  | 20.00 | ug/l  | 0.00      |
| 31) Phenanthrene-d10      | 30.90 | 188  | 7477840  | 20.00 | ug/l  | 0.00      |
| 39) Chrysene-d12          | 39.11 | 240  | 6149301  | 20.00 | ug/l  | 0.00      |
| 45) Perylene-d12          | 42.30 | 264  | 3157289  | 20.00 | ug/l  | 0.00      |

## System Monitoring Compounds

|               |       |     |          |      |        |       |
|---------------|-------|-----|----------|------|--------|-------|
| 28) TCMX      | 0.00  | 207 | 0d       | 0.00 | ug/l   |       |
| Spiked Amount | 5.000 |     | Recovery | =    | 0.00%  |       |
| 38) 2,4-DDD   | 36.61 | 235 | 79028    | 0.94 | ug/ml  | -0.01 |
| Spiked Amount | 5.000 |     | Recovery | =    | 18.80% |       |

## Target Compounds

|                                |       |     |          | 20-30      | Qvalue |
|--------------------------------|-------|-----|----------|------------|--------|
| 2) N-nitrosodimethylamine      | 3.56  | 74  | 1848458  | 24.94 ug/l | 99     |
| 3) bis(2-Chloroethyl) ether    | 9.96  | 93  | 3589417  | 26.09 ug/l | 99     |
| 4) 1,3-Dichlorobenzene         | 10.42 | 146 | 4297405  | 25.82 ug/l | 100    |
| 5) 1,4-Dichlorobenzene         | 10.73 | 146 | 4330992  | 25.79 ug/l | 99     |
| 6) 1,2-Dichlorobenzene         | 11.25 | 146 | 4086266  | 25.84 ug/l | 98     |
| 7) 2,2'-oxybis(1-Chloropropane | 12.05 | 45  | 3094305  | 13.30 ug/l | 99     |
| 8) N-Nitroso-di-n-propylamine  | 12.54 | 43  | 2353871  | 25.44 ug/l | 100    |
| 9) Hexachloroethane            | 12.52 | 119 | 1470581  | 26.01 ug/l | 99     |
| 11) Nitrobenzene               | 12.95 | 77  | 3914520  | 25.67 ug/l | 99     |
| 12) Isophorone                 | 14.04 | 82  | 6843302  | 26.42 ug/l | 100    |
| 13) bis(2-Chloroethoxy) methan | 15.27 | 93  | 4358623  | 26.16 ug/l | 99     |
| 14) 1,2,4-Trichlorobenzene     | 15.63 | 180 | 3312585  | 25.44 ug/l | 99     |
| 15) Naphthalene                | 15.87 | 128 | 11262948 | 26.03 ug/l | 100    |
| 16) Hexachlorobutadiene        | 16.63 | 225 | 1808906  | 25.45 ug/l | 98     |
| 18) Hexachlorocyclopentadiene  | 19.80 | 237 | 956688   | 23.09 ug/l | 99     |
| 19) 2-Chloronaphthalene        | 21.15 | 162 | 6660897  | 25.79 ug/l | 100    |
| 20) Acenaphthylene             | 22.96 | 152 | 9482569  | 26.27 ug/l | 100    |
| 21) Dimethyl phthalate         | 23.07 | 163 | 7200538  | 25.54 ug/l | 100    |
| 22) 2,6-Dinitrotoluene         | 23.18 | 77  | 417074   | 27.65 ug/l | 95     |
| 23) Acenaphthene               | 23.81 | 153 | 6885668  | 25.88 ug/l | 99     |
| 24) 2,4-Dinitrotoluene         | 24.95 | 165 | 1573192  | 23.10 ug/l | 98     |
| 25) Fluorene                   | 26.21 | 166 | 7597541  | 26.01 ug/l | 100    |
| 26) Diethyl phthalate          | 26.44 | 149 | 7169708  | 26.09 ug/l | 99     |
| 27) 4-Chlorophenyl-phenylether | 26.54 | 204 | 3480081  | 25.42 ug/l | 97     |
| 29) N-Nitrosodiphenylamine     | 27.16 | 168 | 2923100  | 26.48 ug/l | 98     |
| 30) Azobenzene                 | 27.24 | 77  | 8332088  | 25.59 ug/l | 99     |
| 32) Hexachlorobenzene          | 28.79 | 284 | 2436153  | 24.80 ug/l | 99     |
| 33) 4-Bromophenyl-phenylether  | 28.90 | 248 | 2038418  | 25.33 ug/l | 98     |

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

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## Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020408\0408C3.D

Vial: 4

Acq On : 8 Apr 2002 1:41 pm

Operator: McLean

Sample :

Inst : Instrumen

Misc :

Multiplr: 1.00

MS Integration Params: EVENTS.E

Quant Time: Apr 09 15:10:09 2002

Quant Results File: SCANAPR0902.R

Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)

Title : Method 508 GC/MS Scan

Last Update : Tue Apr 09 15:05:54 2002

Response via : Initial Calibration

DataAcq Meth : 508SCAN1

| Compound                       | R.T.  | QIon | Response | Conc  | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 34) Phenanthrene               | 31.01 | 178  | 10775366 | 25.75 | ug/l | 99     |
| 35) Anthracene                 | 31.24 | 178  | 10607652 | 26.13 | ug/l | 100    |
| 36) Di-n-butylphthalate        | 33.99 | 149  | 11374831 | 26.99 | ug/l | 100    |
| 37) Fluoranthene               | 35.24 | 202  | 11124165 | 25.90 | ug/l | 98     |
| 40) Pyrene                     | 35.85 | 202  | 11559073 | 26.29 | ug/l | 99     |
| 41) Buthylbenzylphthalate      | 38.10 | 149  | 4257724  | 26.00 | ug/l | 97     |
| 42) Benz(a)anthracene          | 39.09 | 228  | 8900973  | 26.07 | ug/l | 100    |
| 43) Chrysene                   | 39.17 | 228  | 8615426  | 25.73 | ug/l | 99     |
| 44) Bis(2-ethylhexyl)phthalate | 39.69 | 149  | 4760845  | 25.55 | ug/l | 97     |
| 46) Di-n-Octyl phthalate       | 41.19 | 149  | 5762598  | 23.77 | ug/l | 99     |
| 47) Benzo(b)fluoranthene       | 41.54 | 252  | 6577806  | 25.86 | ug/l | 98     |
| 48) Benzo(k)fluoranthene       | 41.60 | 252  | 7321402  | 25.06 | ug/l | 98     |
| 49) Benzo(a)pyrene             | 42.18 | 252  | 5581357  | 26.03 | ug/l | 98     |
| 50) Indeno(1,2,3-cd)pyrene     | 44.36 | 276  | 2979597  | 24.72 | ug/l | 98     |
| 51) Dibenz(a,h)anthracene      | 44.45 | 278  | 3027389  | 24.69 | ug/l | 98     |
| 52) Benzo(ghi)perylene         | 44.90 | 276  | 3514788  | 27.66 | ug/l | 96     |

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(#) = qualifier out of range (m) = manual integration (+) = signals summed  
0408C3.D SCANAPR0902.M Tue Apr 09 15:10:40 2002 Page 2

# Quantitation Report

(QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020408\0408C3.D

Acq On : 8 Apr 2002 1:41 pm

Sample :

Misc :

MS Integration Params: EVENTS.E

Quant Time: Apr 9 15:10 2002

Vial: 4

Operator: McLean

Inst : Instrumen

Multiplr: 1.00

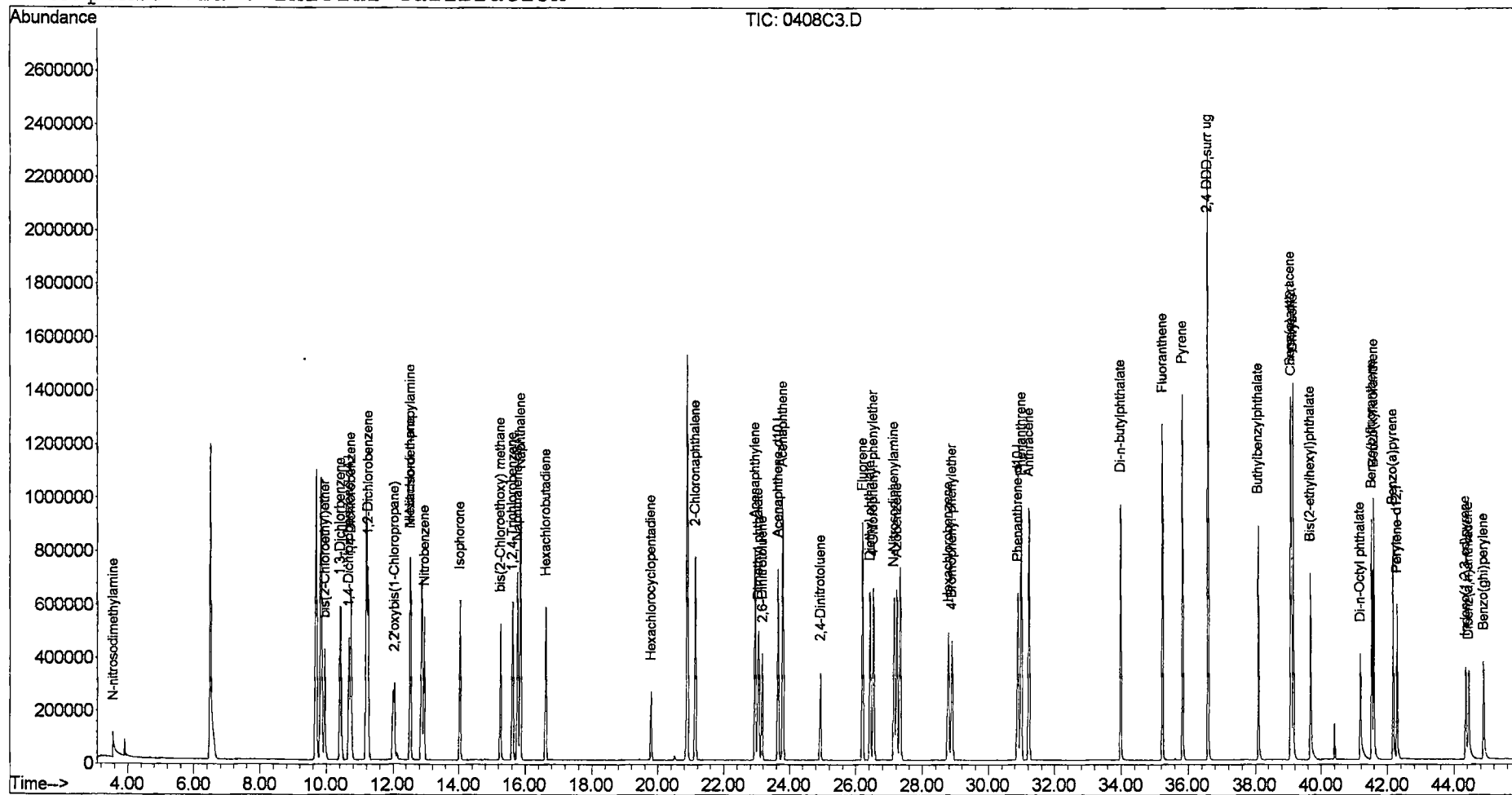
Quant Results File: SCANAPR0902.RES

Method : C:\MSDCHEM\1\METHODS\SCANAPR0902.M (Chemstation Integrator)

Title : Method 508 GC/MS Scan

Last Update : Tue Apr 09 15:05:54 2002

Response via : Initial Calibration



## Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020408\0408C4.D

Vial: 5

Acq On : 8 Apr 2002 2:37 pm

Operator: McLean

Sample : 40.0

Inst : Instrumen

Misc :

Multiplr: 1.00

MS Integration Params: EVENTS.E

Quant Time: Apr 09 15:10:49 2002

Quant Results File: SCANAPR0902.R

Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)

Title : Method 508 GC/MS Scan

Last Update : Tue Apr 09 15:05:54 2002

Response via : Initial Calibration

DataAcq Meth : 508SCAN1

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 10.67 | 152  | 2574827  | 20.00 | ug/l  | 0.00     |
| 10) Naphthalene-d8        | 15.78 | 136  | 10073417 | 20.00 | ug/l  | 0.00     |
| 17) Acenaphthene-d10      | 23.67 | 164  | 5238462  | 20.00 | ug/l  | 0.00     |
| 31) Phenanthrene-d10      | 30.90 | 188  | 8401659  | 20.00 | ug/l  | 0.00     |
| 39) Chrysene-d12          | 39.12 | 240  | 6969304  | 20.00 | ug/l  | 0.00     |
| 45) Perylene-d12          | 42.31 | 264  | 3562601  | 20.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|               |       |     |          |      |        |      |
|---------------|-------|-----|----------|------|--------|------|
| 28) TCMX      | 0.00  | 207 | 0d       | 0.00 | ug/l   |      |
| Spiked Amount | 5.000 |     | Recovery | =    | 0.00%  |      |
| 38) 2,4-DDD   | 36.61 | 235 | 90422    | 0.96 | ug/ml  | 0.00 |
| Spiked Amount | 5.000 |     | Recovery | =    | 19.20% |      |

## Target Compounds

Qvalue

|                                |       |     |          |       |        |     |
|--------------------------------|-------|-----|----------|-------|--------|-----|
| 2) N-nitrosodimethylamine      | 3.56  | 74  | 3380377  | 40.92 | ug/l   | 100 |
| 3) bis(2-Chloroethyl) ether    | 9.97  | 93  | 6209263  | 40.49 | ug/l   | 100 |
| 4) 1,3-Dichlorobenzene         | 10.42 | 146 | 7514811  | 40.50 | ug/l   | 100 |
| 5) 1,4-Dichlorobenzene         | 10.74 | 146 | 7611176  | 40.66 | ug/l   | 100 |
| 6) 1,2-Dichlorobenzene         | 11.26 | 146 | 7108429  | 40.32 | ug/l   | 100 |
| 7) 2,2'-oxybis(1-Chloropropane | 12.05 | 45  | 5209621  | 20.09 | ug/l   | 100 |
| 8) N-Nitroso-di-n-propylamine  | 12.56 | 43  | 4186252  | 40.58 | ug/l   | 100 |
| 9) Hexachloroethane            | 12.53 | 119 | 2556650  | 40.56 | ug/l   | 100 |
| 11) Nitrobenzene               | 12.97 | 77  | 6879619  | 40.24 | ug/l   | 100 |
| 12) Isophorone                 | 14.06 | 82  | 11851528 | 40.81 | ug/l   | 100 |
| 13) bis(2-Chloroethoxy) methan | 15.28 | 93  | 7543724  | 40.38 | ug/l   | 100 |
| 14) 1,2,4-Trichlorobenzene     | 15.63 | 180 | 5904287  | 40.44 | ug/l   | 100 |
| 15) Naphthalene                | 15.88 | 128 | 19550451 | 40.30 | ug/l   | 100 |
| 16) Hexachlorobutadiene        | 16.63 | 225 | 3213324  | 40.31 | ug/l   | 100 |
| 18) Hexachlorocyclopentadiene  | 19.80 | 237 | 2063488  | 44.77 | ug/l   | 100 |
| 19) 2-Chloronaphthalene        | 21.16 | 162 | 11703986 | 40.74 | ug/l   | 100 |
| 20) Acenaphthylene             | 22.98 | 152 | 16996619 | 42.32 | ug/l   | 99  |
| 21) Dimethyl phthalate         | 23.09 | 163 | 12803619 | 40.83 | ug/l   | 100 |
| 22) 2,6-Dinitrotoluene         | 23.21 | 77  | 763885   | 45.52 | ug/l # | 92  |
| 23) Acenaphthene               | 23.83 | 153 | 12036542 | 40.66 | ug/l   | 100 |
| 24) 2,4-Dinitrotoluene         | 24.97 | 165 | 3198390  | 42.21 | ug/l   | 100 |
| 25) Fluorene                   | 26.23 | 166 | 13484767 | 41.50 | ug/l   | 100 |
| 26) Diethyl phthalate          | 26.46 | 149 | 12627902 | 41.30 | ug/l   | 100 |
| 27) 4-Chlorophenyl-phenylether | 26.55 | 204 | 6219150  | 40.83 | ug/l   | 100 |
| 29) N-Nitrosodiphenylamine     | 27.18 | 168 | 5073872  | 41.32 | ug/l   | 100 |
| 30) Azobenzene                 | 27.26 | 77  | 15415270 | 42.57 | ug/l   | 100 |
| 32) Hexachlorobenzene          | 28.81 | 284 | 4499145  | 40.77 | ug/l   | 100 |
| 33) 4-Bromophenyl-phenylether  | 28.92 | 248 | 3757440  | 41.56 | ug/l   | 100 |

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

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Page 1

## Quantitation Report

(QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020408\0408C4.D

Vial: 5

Acq On : 8 Apr 2002 2:37 pm

Operator: McLean

Sample :

Inst : Instrumen

Misc :

Multiplr: 1.00

MS Integration Params: EVENTS.E

Quant Time: Apr 09 15:10:49 2002

Quant Results File: SCANAPR0902.R

Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)

Title : Method 508 GC/MS Scan

Last Update : Tue Apr 09 15:05:54 2002

Response via : Initial Calibration

DataAcq Meth : 508SCAN1

| Compound                       | R.T.  | QIon | Response | Conc  | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 34) Phenanthrene               | 31.03 | 178  | 19167917 | 40.76 | ug/l | 100    |
| 35) Anthracene                 | 31.26 | 178  | 18861063 | 41.35 | ug/l | 100    |
| 36) Di-n-butylphthalate        | 34.00 | 149  | 20621307 | 43.55 | ug/l | 100    |
| 37) Fluoranthene               | 35.25 | 202  | 20208692 | 41.87 | ug/l | 100    |
| 40) Pyrene                     | 35.86 | 202  | 20893917 | 41.93 | ug/l | 100    |
| 41) Buthylbenzylphthalate      | 38.11 | 149  | 8201078  | 44.19 | ug/l | 100    |
| 42) Benz(a)anthracene          | 39.09 | 228  | 16474620 | 42.57 | ug/l | 100    |
| 43) Chrysene                   | 39.18 | 228  | 15780668 | 41.59 | ug/l | 100    |
| 44) Bis(2-ethylhexyl)phthalate | 39.69 | 149  | 9511030  | 45.04 | ug/l | 100    |
| 46) Di-n-Octyl phthalate       | 41.20 | 149  | 12910761 | 40.82 | ug/l | 100    |
| 47) Benzo(b)fluoranthene       | 41.55 | 252  | 12555875 | 43.75 | ug/l | 100    |
| 48) Benzo(k)fluoranthene       | 41.61 | 252  | 13362062 | 40.53 | ug/l | 100    |
| 49) Benzo(a)pyrene             | 42.19 | 252  | 10797068 | 44.62 | ug/l | 100    |
| 50) Indeno(1,2,3-cd)pyrene     | 44.37 | 276  | 6402435  | 41.68 | ug/l | 100    |
| 51) Dibenz(a,h)anthracene      | 44.46 | 278  | 6199622  | 44.81 | ug/l | 100    |
| 52) Benzo(ghi)perylene         | 44.92 | 276  | 6798194  | 47.41 | ug/l | 100    |

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(#) = qualifier out of range (m) = manual integration (+) = signals summed  
0408C4.D SCANAPR0902.M Tue Apr 09 15:11:08 2002 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020408\0408C4.D  
 Acq On : 8 Apr 2002 2:37 pm  
 Sample :  
 Misc :  
 MS Integration Params: EVENTS.E  
 Quant Time: Apr 9 15:10 2002

Vial: 5  
 Operator: McLean  
 Inst : Instrumen  
 Multiplr: 1.00

Quant Results File: SCANAPR0902.RES

Method : C:\MSDCHEM\1\METHODS\SCANAPR0902.M (Chemstation Integrator)  
 Title : Method 508 GC/MS Scan  
 Last Update : Tue Apr 09 15:05:54 2002  
 Response via : Initial Calibration

