User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 05/17/2002 Time: 11:58:53

Sample: AE10901
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 5/17/02 11:30 Ended: 5/17/02 11:30 Analyst: MF
Result source: manual entry
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | n-Nitrosodimethylamine | | 8.54 | | 2.0 |
| 2 | bis(2-Chloroethyl)ether | | 17.35 | | 2.0 |
| 3 | 1,3-Dichlorobenzene | | 15.94 | | 2.0 |
| 4 | 1,4-Dichlorobenzene | | 16.16 | | 2.0 |
| 5 | 1,2-Dichlorobenzene | | 17.71 | | 2.0 |
| 6 | 2,2-oxybis(1-Chloropropane) | | 18.14 | | 2.0 |
| 7 | n-Nitrosodi-n-propylamine | | 17.87 | | 2.0 |
| 8 | Hexachloroethane | | 12.98 | | 2.0 |
| 9 | Nitrobenzene | | 17.06 | | 2.0 |
| 10 | Isophorone | | 20.38 | | 2.0 |
| 11 | bis(2-Chloroethoxy)methane | | 17.92 | | 2.0 |
| 12 | 1,2,4-Trichlorobenzene | | 17.64 | | 2.0 |
| 13 | Naphthalene | | 19.44 | | 2.0 |
| 14 | Hexachlorobutadiene | | 13.64 | | 2.0 |
| 15 | 2-Chloronaphthalene | | 20.75 | | 2.0 |
| 16 | Dimethylphthalate | | 18.28 | | 2.0 |
| 17 | 2,6-Dinitrotoluene | | 17.72 | | 2.0 |
| 18 | Acenaphthylene | | 17.44 | | 2.0 |
| 19 | Acenaphthene | | 19.89 | | 2.0 |
| 20 | 2,4-Dinitrotoluene | | 15.15 | | 2.0 |
| 21 | Diethylphthalate | | 20.82 | | 2.0 |
| 22 | 4-Chlorophenylphenylether | | 19.03 | | 2.0 |
| 23 | Fluorene | | 20.39 | | 2.0 |
| 24 | Azobenzene | | 17.61 | | 2.0 |
| 25 | n-Nitrosodiphenylamine | | 20.45 | | 2.0 |
| 26 | 4-Bromophenylphenylether | | 20.41 | | 2.0 |
| 27 | Hexachlorobenzene | | 21.21 | | 2.0 |
| 28 | Phenanthrene | | 19.81 | | 2.0 |
| 29 | Anthracene | | 18.06 | | 2.0 |
| 30 | Di-n-butylphthalate | | 18.60 | | 2.0 |
| 31 | Fluoranthene | | 18.66 | | 2.0 |
| 32 | Pyrene | | 20.61 | | 2.0 |
| 33 | Butylbenzylphthalate | | 13.64 | | 2.0 |
| 34 | Benzo(a)anthracene | | 17.42 | | 2.0 |
| 35 | bis(2-Ethylhexyl)phthalate | | 12.15 | | 2.0 |
| 36 | Chrysene | | 18.95 | | 2.0 |
| 37 | Di-n-octylphthalate | | 9.19 | | 2.0 |
| 38 | Benzo(b)fluoranthene | | 17.32 | | 2.0 |
| 39 | Benzo(k)fluoranthene | | 21.79 | | 2.0 |
| 40 | Benzo(a)pyrene | | 12.70 | | 2.0 |
| 41 | Indeno(1,2,3-cd)pyrene | | 9.48 | | 2.0 |
| 42 | Dibenz(a,h)anthracene | | 13.08 | | 2.0 |
| 43 | Benzo(g,h,i)perylene | | 17.86 | | 2.0 |

User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 05/17/2002 Time: 11:58:49

Sample: AE10901
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 5/17/02 11:30 Ended: 5/17/02 11:30 Analyst: MF
Result source: calculation
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | n-Nitrosodimethylamine | | 43 | | 2.0 |
| 2 | bis(2-Chloroethyl)ether | | 87 | | 2.0 |
| 3 | 1,3-Dichlorobenzene | | 80 | | 2.0 |
| 4 | 1,4-Dichlorobenzene | | 81 | | 2.0 |
| 5 | 1,2-Dichlorobenzene | | 89 | | 2.0 |
| 6 | 2,2-oxybis(1-Chloropropane) | | 91 | | 2.0 |
| 7 | n-Nitrosodi-n-propylamine | | 89 | | 2.0 |
| 8 | Hexachloroethane | | 65 | | 2.0 |
| 9 | Nitrobenzene | | 85 | | 2.0 |
| 10 | Isophorone | | 100 | | 2.0 |
| 11 | bis(2-Chloroethoxy)methane | | 90 | | 2.0 |
| 12 | 1,2,4-Trichlorobenzene | | 88 | | 2.0 |
| 13 | Naphthalene | | 97 | | 2.0 |
| 14 | Hexachlorobutadiene | | 68 | | 2.0 |
| 15 | 2-Chloronaphthalene | | 100 | | 2.0 |
| 16 | Dimethylphthalate | | 91 | | 2.0 |
| 17 | 2,6-Dinitrotoluene | | 89 | | 2.0 |
| 18 | Acenaphthylene | | 87 | | 2.0 |
| 19 | Acenaphthene | | 99 | | 2.0 |
| 20 | 2,4-Dinitrotoluene | | 76 | | 2.0 |
| 21 | Diethylphthalate | | 100 | | 2.0 |
| 22 | 4-Chlorophenylphenylether | | 95 | | 2.0 |
| 23 | Fluorene | | 100 | | 2.0 |
| 24 | Azobenzene | | 88 | | 2.0 |
| 25 | n-Nitrosodiphenylamine | | 100 | | 2.0 |
| 26 | 4-Bromophenylphenylether | | 100 | | 2.0 |
| 27 | Hexachlorobenzene | | 110 | | 2.0 |
| 28 | Phenanthrene | | 99 | | 2.0 |
| 29 | Anthracene | | 90 | | 2.0 |
| 30 | Di-n-butylphthalate | | 93 | | 2.0 |
| 31 | Fluoranthene | | 93 | | 2.0 |
| 32 | Pyrene | | 100 | | 2.0 |
| 33 | Butylbenzylphthalate | | 68 | | 2.0 |
| 34 | Benzo(a)anthracene | | 87 | | 2.0 |
| 35 | [redacted] | | [redacted] | | |
| 36 | Chrysene | | 95 | | 2.0 |
| 37 | [redacted] | | [redacted] | | |
| 38 | Benzo(b)fluoranthene | | 87 | | 2.0 |
| 39 | Benzo(k)fluoranthene | | 110 | | 2.0 |
| 40 | Benzo(a)pyrene | | 64 | | 2.0 |
| 41 | Indeno(1,2,3-cd)pyrene | | 47 | | 2.0 |
| 42 | Dibenz(a,h)anthracene | | 65 | | 2.0 |
| 43 | Benzo(g,h,i)perylene | | 89 | | 2.0 |

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051402\510REF1.D Vial: 4
Acq On : 14 May 2002 3:56 pm Operator: Mclean
Sample : 5/10 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 16 14:43:01 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu May 16 14:34:28 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 | 4774650 | 40.00 | ug/L | 0.00 |
| 10) Napthalene-d8 | 13.43 | 136 | 19180118 | 40.00 | ug/L | 0.00 |
| 17) Acenapthalene-d10 | 18.57 | 164 | 10419121 | 40.00 | ug/L | 0.00 |
| 29) Phenanthranene-d10 | 22.95 | 188 | 14865348 | 40.00 | ug/L | 0.00 |
| 37) Chrysene-d12 | 30.81 | 240 | 10620915 | 40.00 | ug/L | 0.00 |
| 43) Perylene-d12 | 34.71 | 264 | 7028846 | 40.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 27) TCMX | 20.55 | 209 | 2487798 | 39.33 | ug/L | 0.00 |
| Spiked Amount 40.000 | | | Recovery = 98.32% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) n-nitros-dimethyl amine | 3.86 | 74 | 835251 | 8.54 | ug/L # | 79 |
| 3) bis(2-Chloroethyl)ether | 9.35 | 93 | 3241056 | 17.35 | ug/L | 88 |
| 4) 1,3-Dichlorobenzene | 9.76 | 146 | 3032268 | 15.94 | ug/L | 99 |
| 5) 1,4-Dichlorobenzene | 9.98 | 146 | 3160575 | 16.16 | ug/L | 99 |
| 6) 1,2-Dichlorobenzene | 10.35 | 146 | 3079524 | 17.71 | ug/l | 99 |
| 7) 2,2'oxybis(1-Chloropropane | 10.78 | 45 | 5224620m | 18.14 | ug/L | |
| 8) N-nitroso-di-propylamine | 11.13 | 70 | 2367248 | 17.87 | ug/L | 98 |
| 9) Hexachloroethane | 11.26 | 117 | 935929 | 12.98 | ug/L | 93 |
| 11) Nitrobenzene | 11.49 | 77 | 3165997 | 17.06 | ug/L | 96 |
| 12) Isophorone | 12.20 | 82 | 6811938 | 20.38 | ug/L | 99 |
| 13) bis(2-Chloroethoxy) methan | 12.94 | 93 | 3968931 | 17.92 | ug/L | 99 |
| 14) 1,2,4-Trichlorobenzene | 13.30 | 180 | 2479262 | 17.64 | ug/L | 99 |
| 15) Napthalene | 13.49 | 128 | 9986564 | 19.44 | ug/L | 98 |
| 16) Hexachlorobutadiene | 13.93 | 225 | 960849 | 14.59 | ug/L | 98 |
| 18) 2-Chloronaphthalene | 16.93 | 162 | 5514348 | 20.75 | ug/L | 98 |
| 19) Dimethylphthalate | 18.00 | 163 | 6225524 | 18.28 | ug/L | 100 |
| 20) 2,6-Dinitrotoluene | 18.12 | 165 | 948473 | 17.72 | ug/L | 91 |
| 21) Acenapthylene | 18.13 | 152 | 8569571 | 17.44 | ug/L | 98 |
| 22) Acenapthalene | 18.66 | 153 | 5636837 | 19.89 | ug/L | 98 |
| 23) 2,4-Dinitrotoluene | 19.27 | 165 | 1147680 | 15.15 | ug/L | 95 |
| 24) Diethylphthalate | 20.14 | 149 | 6164562 | 20.82 | ug/L | 99 |
| 25) 4-Chlorophenyl-phenylether | 20.33 | 204 | 2978704 | 19.03 | ug/L | 98 |
| 26) Fluorene | 20.20 | 166 | 6606907 | 20.39 | ug/L | 97 |
| 28) Azobenzene | 20.78 | 77 | 6880892 | 17.61 | ug/L | 94 |
| 30) Nnitrosodiphenylamine | 20.69 | 169 | 3730557 | 20.45 | ug/L | 93 |
| 31) 4-Bromophenyl-phenylether | 21.76 | 248 | 1498747 | 20.41 | ug/L | 98 |
| 32) Hexachlorobenzene | 21.79 | 284 | 1491092 | 21.21 | ug/L | 99 |
| 33) Phenanthrene | 23.02 | 178 | 8885136 | 19.81 | ug/L | 98 |
| 34) Anthracene | 23.17 | 178 | 8284379 | 18.06 | ug/L | 98 |
| 35) Di-n-butylphthalate | 25.09 | 149 | 9161710 | 18.60 | ug/L | 99 |

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

Data File : C:\MSDCHEM\1\DATA\051402\510REF1.D Vial: 4
Acq On : 14 May 2002 3:56 pm Operator: Mclean
Sample : 5/10 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 16 14:43:01 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu May 16 14:34:28 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

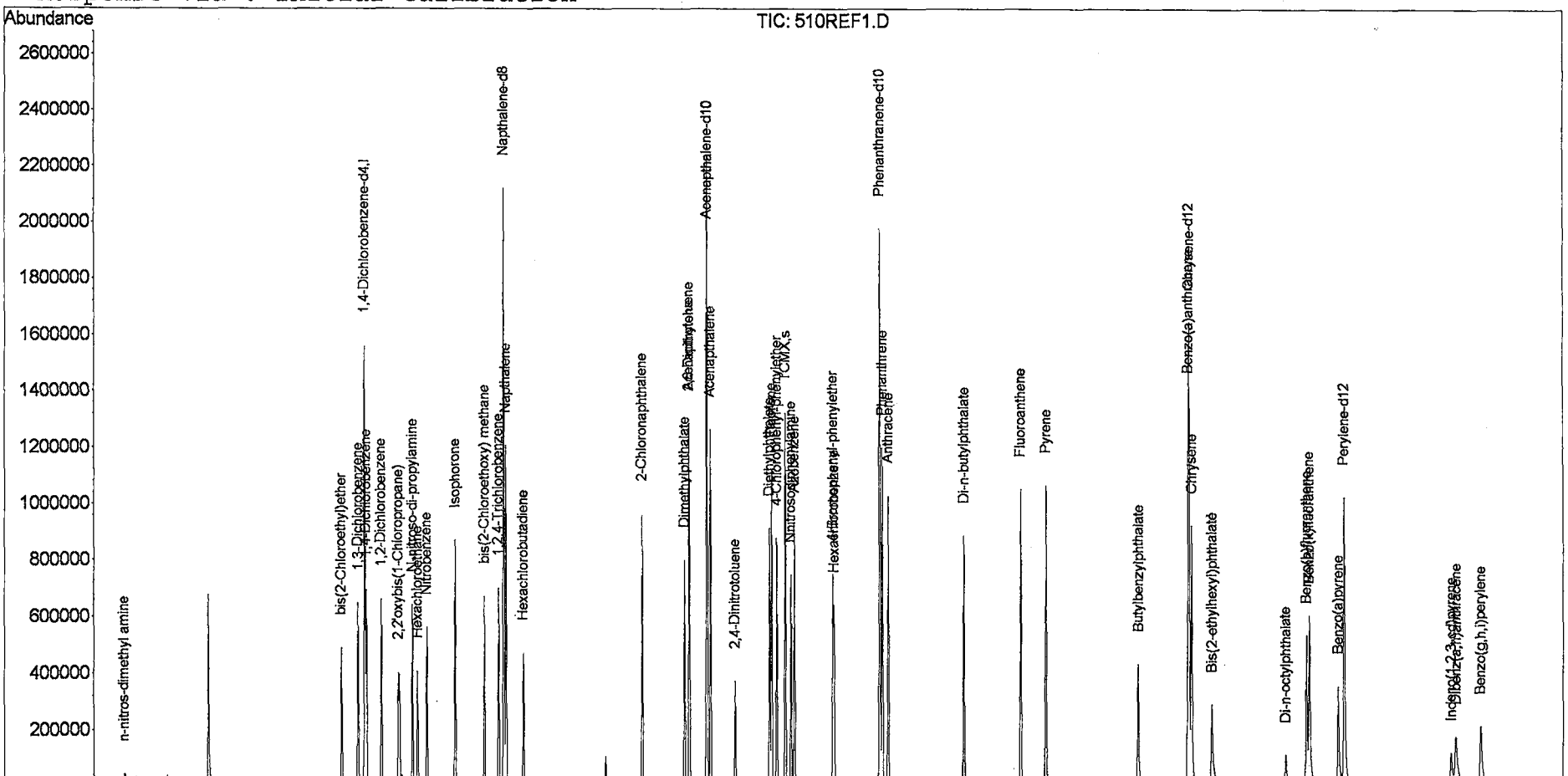
| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 36) | Fluoroanthene | 26.54 | 202 | 8580138 | 18.66 | ug/L | | 99 |
| 38) | Pyrene | 27.17 | 202 | 8987367 | 20.61 | ug/L | | 98 |
| 39) | Butylbenzylphthalate | 29.53 | 149 | 2650508 | 13.64 | ug/L | # | 96 |
| 40) | Benzo(a)anthracene | 30.79 | 228 | 6047256 | 17.42 | ug/L | | 97 |
| 41) | Bis(2-ethylhexyl)phthalate | 31.39 | 149 | 3124580 | 11.90 | ug/L | | 95 |
| 42) | Chrysene | 30.88 | 228 | 6811359m | 18.95 | ug/L | | |
| 44) | Di-n-octylphthalate | 33.24 | 149 | 2646005 | 8.53 | ug/L | # | 97 |
| 45) | Benzo(b)fluoranthene | 33.75 | 252 | 4407538 | 17.32 | ug/L | | 97 |
| 46) | Benzo(k)fluoranthene | 33.83 | 252 | 6969392 | 21.79 | ug/L | | 99 |
| 47) | Benzo(a)pyrene | 34.55 | 252 | 3225900m | 12.70 | ug/L | | |
| 48) | Indeno(1,2,3-cd)pyrene | 37.39 | 276 | 1688660 | 9.48 | ug/L | | 98 |
| 49) | Dibenz(a,h)anthracene | 37.51 | 278 | 2477281 | 13.08 | ug/L | | 99 |
| 50) | Benzo(g,h,i)perylene | 38.14 | 276 | 3551073 | 17.86 | ug/L | | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051402\510REF1.D Vial: 4
Acq On : 14 May 2002 3:56 pm Operator: Mclean
Sample : 5/10 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 16 14:43 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu May 16 14:34:28 2002
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051402\510REF2.D Vial: 5
Acq On : 14 May 2002 4:45 pm Operator: Mclean
Sample : 5/10kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 16 14:43:48 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu May 16 14:34:28 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 | 4399085 | 40.00 | ug/L | 0.00 |
| 10) Napthalene-d8 | 13.43 | 136 | 17707730 | 40.00 | ug/L | 0.00 |
| 17) Acenapthalene-d10 | 18.57 | 164 | 9676439 | 40.00 | ug/L | 0.00 |
| 29) Phenanthranene-d10 | 22.95 | 188 | 14066640 | 40.00 | ug/L | 0.00 |
| 37) Chrysene-d12 | 30.81 | 240 | 10023131 | 40.00 | ug/L | 0.00 |
| 43) Perylene-d12 | 34.70 | 264 | 5824934 | 40.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 27) TCMX | 20.55 | 209 | 2410710 | 41.04 | ug/L | 0.00 |
| Spiked Amount 40.000 | | | Recovery = 102.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) n-nitros-dimethyl amine | 3.87 | 74 | 853220 | 9.47 | ug/L # | 81 |
| 3) bis(2-Chloroethyl)ether | 9.35 | 93 | 3083536 | 17.91 | ug/L # | 86 |
| 4) 1,3-Dichlorobenzene | 9.76 | 146 | 2760863 | 15.76 | ug/L | 98 |
| 5) 1,4-Dichlorobenzene | 9.98 | 146 | 2911272 | 16.16 | ug/L | 98 |
| 6) 1,2-Dichlorobenzene | 10.35 | 146 | 2869501 | 17.91 | ug/l | 99 |
| 7) 2,2'oxybis(1-Chloropropane | 10.81 | 45 | 4952917m | 18.67 | ug/L | |
| 8) N-nitroso-di-propylamine | 11.13 | 70 | 2240526 | 18.36 | ug/L | 96 |
| 9) Hexachloroethane | 11.26 | 117 | 830003 | 12.49 | ug/L | 93 |
| 11) Nitrobenzene | 11.49 | 77 | 2991685 | 17.46 | ug/L | 95 |
| 12) Isophorone | 12.20 | 82 | 6525744 | 21.15 | ug/L | 100 |
| 13) bis(2-Chloroethoxy) methan | 12.94 | 93 | 3842412 | 18.80 | ug/L | 99 |
| 14) 1,2,4-Trichlorobenzene | 13.30 | 180 | 2291598 | 17.66 | ug/L | 97 |
| 15) Napthalene | 13.49 | 128 | 9509840 | 20.05 | ug/L | 97 |
| 16) Hexachlorobutadiene | 13.93 | 225 | 828832 | 13.64 | ug/L | 98 |
| 18) 2-Chloronaphthalene | 16.93 | 162 | 5269226 | 21.35 | ug/L | 99 |
| 19) Dimethylphthalate | 18.00 | 163 | 6147860 | 19.44 | ug/L | 99 |
| 20) 2,6-Dinitrotoluene | 18.11 | 165 | 943354 | 18.97 | ug/L | 93 |
| 21) Acenapthylene | 18.13 | 152 | 8275008 | 18.13 | ug/L | 97 |
| 22) Acenapthalene | 18.66 | 153 | 5443080 | 20.69 | ug/L | 98 |
| 23) 2,4-Dinitrotoluene | 19.27 | 165 | 1130098 | 16.06 | ug/L | 95 |
| 24) Diethylphthalate | 20.14 | 149 | 6042721 | 21.97 | ug/L | 99 |
| 25) 4-Chlorophenyl-phenylether | 20.33 | 204 | 2889939 | 19.88 | ug/L | 99 |
| 26) Fluorene | 20.20 | 166 | 6454584 | 21.45 | ug/L | 98 |
| 28) Azobenzene | 20.78 | 77 | 6776500 | 18.67 | ug/L | 92 |
| 30) Nnitrosodiphenylamine | 20.69 | 169 | 3731127 | 21.61 | ug/L | 93 |
| 31) 4-Bromophenyl-phenylether | 21.76 | 248 | 1456057 | 20.96 | ug/L | 99 |
| 32) Hexachlorobenzene | 21.79 | 284 | 1445879 | 21.74 | ug/L | 99 |
| 33) Phenanthrene | 23.02 | 178 | 8867012 | 20.90 | ug/L | 97 |
| 34) Anthracene | 23.17 | 178 | 8239704 | 18.98 | ug/L | 98 |
| 35) Di-n-butylphthalate | 25.09 | 149 | 9322901 | 20.01 | ug/L | 100 |

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

Data File : C:\MSDCHEM\1\DATA\051402\510REF2.D Vial: 5
Acq On : 14 May 2002 4:45 pm Operator: Mclean
Sample : 5/10kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 16 14:43:48 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu May 16 14:34:28 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 36) | Fluoroanthene | 26.54 | 202 | 8672884 | 19.94 | ug/L | 97 |
| 38) | Pyrene | 27.17 | 202 | 9143416 | 22.22 | ug/L | 98 |
| 39) | Butylbenzylphthalate | 29.53 | 149 | 2722929 | 14.85 | ug/L | 96 |
| 40) | Benzo(a)anthracene | 30.79 | 228 | 5973203 | 18.23 | ug/L | 97 |
| 41) | Bis(2-ethylhexyl)phthalate | 31.39 | 149 | 3011398 | 12.15 | ug/L | 94 |
| 42) | Chrysene | 30.88 | 228 | 6543714m | 19.29 | ug/L | |
| 44) | Di-n-octylphthalate | 33.23 | 149 | 2363452 | 9.19 | ug/L | 98 |
| 45) | Benzo(b)fluoranthene | 33.75 | 252 | 3957366 | 18.76 | ug/L | 96 |
| 46) | Benzo(k)fluoranthene | 33.83 | 252 | 6212889 | 23.44 | ug/L | 99 |
| 47) | Benzo(a)pyrene | 34.55 | 252 | 2942211m | 13.98 | ug/L | |
| 48) | Indeno(1,2,3-cd)pyrene | 37.39 | 276 | 1231321 | 8.34 | ug/L | 97 |
| 49) | Dibenz(a,h)anthracene | 37.52 | 278 | 1956888 | 12.47 | ug/L | 96 |
| 50) | Benzo(g,h,i)perylene | 38.13 | 276 | 2797489 | 16.98 | ug/L | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051402\510REF2.D Vial: 5
Acq On : 14 May 2002 4:45 pm Operator: Mclean
Sample : 5/10kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 16 14:44 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu May 16 14:34:28 2002
Response via : Initial Calibration