User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 01/07/2002 Time: 10:30:13

Sample: AD30085
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 12/29/20 00:02 Ended: 12/29/20 00:02 Analyst: MG
Result source: m:\instruments\209\data\dec2701\refa.d\refa.rr
Page: 1

| | Component Name | Viol | Result | MDL |
|---|---|---|---|---|
| 1 | n-Nitrosodimethylamine | | 2.8 | 2.0 |
| 2 | bis(2-Chloroethyl)ether | | 4.2 | 2.0 |
| 3 | 1,3-Dichlorobenzene | | 2.9 | 2.0 |
| 4 | 1,4-Dichlorobenzene | | 2.8 | 2.0 |
| 5 | 1,2-Dichlorobenzene | | 3.4 | 2.0 |
| 6 | 2,2-oxybis(1-Chloropropane) | | 5.7 | 2.0 |
| 7 | n-Nitrosodi-n-propylamine | | 4.9 | 2.0 |
| 8 | Hexachloroethane | | 2.5 | 2.0 |
| 9 | Nitrobenzene | | 4.2 | 2.0 |
| 10 | Isophorone | | 4.6 | 2.0 |
| 11 | bis(2-Chloroethoxy)methane | | 4.2 | 2.0 |
| 12 | 1,2,4-Trichlorobenzene | | 3.3 | 2.0 |
| 13 | Naphthalene | | 4.1 | 2.0 |
| 14 | Hexachlorobutadiene | | 2.2 | 2.0 |
| 15 | Hexachlorocyclopentadiene | | 0.0 | 2.0 |
| 16 | 2-Chloronaphthalene | | 3.7 | 2.0 |
| 17 | Dimethylphthalate | | 4.1 | 2.0 |
| 18 | 2,6-Dinitrotoluene | | 2.6 | 2.0 |
| 19 | Acenaphthylene | | 3.9 | 2.0 |
| 20 | Acenaphthene | | 4.2 | 2.0 |
| 21 | 2,4-Dinitrotoluene | | 2.0 | 2.0 |
| 22 | Diethylphthalate | | 4.7 | 2.0 |
| 23 | 4-Chlorophenylphenylether | | 4.3 | 2.0 |
| 24 | Fluorene | | 4.2 | 2.0 |
| 25 | Azobenzene/1,2-Diphenylhydraz | | 4.6 | 2.0 |
| 26 | n-Nitrosodiphenylamine | | 3.0 | 2.0 |
| 27 | 4-Bromophenylphenylether | | 4.0 | 2.0 |
| 28 | Hexachlorobenzene | | 4.3 | 2.0 |
| 29 | Phenanthrene | | 4.3 | 2.0 |
| 30 | Anthracene | | 3.8 | 2.0 |
| 31 | Di-n-butylphthalate | | 4.6 | 2.0 |
| 32 | Fluoranthene | | 4.1 | 2.0 |
| 33 | Pyrene | | 4.1 | 2.0 |
| 34 | Butylbenzylphthalate | | 3.2 | 2.0 |
| 35 | Benzo(a)anthracene | | 3.9 | 2.0 |
| 36 | bis(2-Ethylhexyl)phthalate | | 3.1 | 2.0 |
| 37 | Chrysene | | 4.5 | 2.0 |
| 38 | Di-n-octylphthalate | | 2.3 | 2.0 |
| 39 | Benzo(b)fluoranthene | | 4.2 | 2.0 |
| 40 | Benzo(k)fluoranthene | | 5.0 | 2.0 |
| 41 | Benzo(a)pyrene | | 3.3 | 2.0 |
| 42 | Indeno(1,2,3-cd)pyrene | | 3.0 | 2.0 |
| 43 | Dibenz(a,h)anthracene | | 3.2 | 2.0 |
| 44 | Benzo(g,h,i)perylene | | 3.3 | 2.0 |

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/09/2002 Time: 13:02:13

Sample: AD30085
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 12/29/20 00:02 Ended: 12/29/20 00:02 Analyst: MG
Result source: calculation
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | n-Nitrosodimethylamine | | 56 | | 2.0 |
| 2 | bis(2-Chloroethyl)ether | USPEC | 84 | | 2.0 |
| 3 | 1,3-Dichlorobenzene | USPEC | 58 | | 2.0 |
| 4 | 1,4-Dichlorobenzene | | 56 | | 2.0 |
| 5 | 1,2-Dichlorobenzene | USPEC | 68 | | 2.0 |
| 6 | 2,2'-oxybis(1-Chloropropane) | USPEC | 110 | | 2.0 |
| 7 | n-Nitrosodi-n-propylamine | USPEC | 98 | | 2.0 |
| 8 | Hexachloroethane | USPEC | 50 | | 2.0 |
| 9 | Nitrobenzene | USPEC | 84 | | 2.0 |
| 10 | Isophorone | | 92 | | 2.0 |
| 11 | bis(2-Chloroethoxy)methane | | 84 | | 2.0 |
| 12 | 1,2,4-Trichlorobenzene | | 66 | | 2.0 |
| 13 | Naphthalene | | 82 | | 2.0 |
| 14 | Hexachlorobutadiene | | 44 | | 2.0 |
| 15 | Hexachlorocyclopentadiene | | 0.0 | | 2.0 |
| 16 | 2-Chloronaphthalene | | 74 | | 2.0 |
| 17 | Dimethylphthalate | | 82 | | 2.0 |
| 18 | 2,6-Dinitrotoluene | | 52 | | 2.0 |
| 19 | Acenaphthylene | | 78 | | 2.0 |
| 20 | Acenaphthene | | 84 | | 2.0 |
| 21 | 2,4-Dinitrotoluene | | 40 | | 2.0 |
| 22 | Diethylphthalate | | 94 | | 2.0 |
| 23 | 4-Chlorophenylphenylether | | 86 | | 2.0 |
| 24 | Fluorene | | 84 | | 2.0 |
| 25 | Azobenzene/1,2-Diphenylhydra | | 92 | | 2.0 |
| 26 | n-Nitrosodiphenylamine | | 60 | | 2.0 |
| 27 | 4-Bromophenylphenylether | | 80 | | 2.0 |
| 28 | Hexachlorobenzene | | 86 | | 2.0 |
| 29 | Phenanthrene | | 86 | | 2.0 |
| 30 | Anthracene | | 76 | | 2.0 |
| 31 | Di-n-butylphthalate | | 92 | | 2.0 |
| 32 | Fluoranthene | | 82 | | 2.0 |
| 33 | Pyrene | | 82 | | 2.0 |
| 34 | Butylbenzylphthalate | | 64 | | 2.0 |
| 35 | Benzo(a)anthracene | | 78 | | 2.0 |
| 36 | bis(2-Ethylhexyl)phthalate | | 62 | | 2.0 |
| 37 | Chrysene | | 90 | | 2.0 |
| 38 | Di-n-octylphthalate | | 46 | | 2.0 |
| 39 | Benzo(b)fluoranthene | | 84 | | 2.0 |
| 40 | Benzo(k)fluoranthene | USPEC | 100 | | 2.0 |
| 41 | Benzo(a)pyrene | | 66 | | 2.0 |
| 42 | Indeno(1,2,3-cd)pyrene | | 60 | | 2.0 |
| 43 | Dibenz(a,h)anthracene | | 64 | | 2.0 |
| 44 | Benzo(g,h,i)perylene | | 66 | | 2.0 |

8/43 ↑

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC2701\REFA.D Vial: 4
Acq On : 29 Dec 2001 2:07 am Operator: 209 GALOS
Sample : GC/MS SCAN 12/13 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Dec 31 11:20 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 28 15:11:00 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.68 | 152 | 893406 | 20.00 | ug/l | | -0.02 |
| 10) Naphthalene-d8 | 15.28 | 136 | 3422071 | 20.00 | ug/l | | -0.03 |
| 17) Acenaphthene-d10 | 20.55 | 164 | 1686748 | 20.00 | ug/l | | -0.02 |
| 29) Phenanthrene-d10 | 24.98 | 188 | 2536685m | 20.00 | ug/l | | -0.01 |
| 38) Chrysene-d12 | 33.02 | 240 | 1558742 | 20.00 | ug/l | | -0.01 |
| 44) Perylene-d12 | 37.12 | 264 | 972491 | 20.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 37) 2,4-DDD | 30.06 | 235 | 155172 | 5.56 | ug/mL | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 111.20% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 5.43 | 74 | 110724 | 2.82 | ug/l | # | 76 |
| 3) bis(2-Chloroethyl)ether | 11.10 | 93 | 261853 | 4.25 | ug/l | | 91 |
| 4) 1,3-Dichlorobenzene | 11.58 | 146 | 185413 | 2.85 | ug/l | | 98 |
| 5) 1,4-Dichlorobenzene | 11.58 | 146 | 185413 | 2.82 | ug/l | | 99 |
| 6) 1,2-Dichlorobenzene | 12.24 | 146 | 203630 | 3.36 | ug/l | | 96 |
| 7) 2,2'-oxybis(1-Chloropropan | 12.57 | 45 | 448545 | 5.71 | ug/l | # | 91 |
| 8) N-Nitroso-di-n-propylamine | 12.96 | 70 | 172880 | 4.92 | ug/l | # | 88 |
| 9) Hexachloroethane | 13.06 | 117 | 59519 | 2.49 | ug/l | | 89 |
| 11) Nitrobenzene | 13.37 | 77 | 225582 | 4.23 | ug/l | # | 83 |
| 12) Isophorone | 14.01 | 82 | 477235 | 4.64 | ug/l | | 94 |
| 13) bis(2-Chloroethoxy)methane | 14.70 | 93 | 288742 | 4.18 | ug/l | | 99 |
| 14) 1,2,4-Trichlorobenzene | 15.17 | 180 | 165367 | 3.33 | ug/l | | 98 |
| 15) Naphthalene | 15.34 | 128 | 663883 | 4.06 | ug/l | | 99 |
| 16) Hexachlorobutadiene | 15.89 | 225 | 54177 | 2.24 | ug/l | | 97 |
| 18) Hexachlorocyclopentadiene | 0.00 | 237 | 0 | N.D. | | | |
| 19) 2-Chloronaphthalene | 18.85 | 162 | 353497 | 3.67 | ug/l | | 97 |
| 20) Dimethylphthalate | 19.95 | 163 | 464153 | 4.14 | ug/l | | 100 |
| 21) 2,6-Dinitrotoluene | 20.16 | 165 | 67987 | 2.57 | ug/l | # | 58 |
| 22) Acenaphthylene | 20.09 | 152 | 520724 | 3.85 | ug/l | | 99 |
| 23) Acenaphthene | 20.65 | 153 | 403545 | 4.17 | ug/l | | 100 |
| 24) 2,4-Dinitrotoluene | 21.34 | 165 | 66723 | 1.98 | ug/l | # | 66 |
| 25) Diethylphthalate | 22.07 | 149 | 486202 | 4.69 | ug/l | | 96 |
| 26) 4-Chlorophenyl-phenylether | 22.21 | 204 | 193980 | 4.28 | ug/l | | 93 |
| 27) Fluorene | 22.17 | 166 | 417661 | 4.21 | ug/l | | 100 |
| 28) Azobenzen/ 1,2-Diphenylhyd | 22.67 | 77 | 490267 | 4.57 | ug/L | # | 86 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC2701\REFA.D Vial: 4
Acq On : 29 Dec 2001 2:07 am Operator: 209 GALOS
Sample : GC/MS SCAN 12/13 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Dec 31 11:20 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 28 15:11:00 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 30) | N-Nitrosodiphenylamine | 22.60 | 168 | 133449 | 2.96 | ug/l | # | |
| 31) | 4-Bromophenyl-phenylether | 23.67 | 248 | 99130 | 3.97 | ug/l | # | |
| 32) | Hexachlorobenzene | 24.08 | 284 | 118535 | 4.32 | ug/l | | |
| 33) | Phenanthrene | 25.04 | 178 | 573074 | 4.27 | ug/l | | |
| 34) | Anthracene | 25.18 | 178 | 512818 | 3.83 | ug/l | | |
| 35) | Di-n-butylphthalate | 27.00 | 149 | 819074 | 4.58 | ug/l | # | |
| 36) | Fluoranthene | 28.67 | 202 | 526851 | 4.06 | ug/l | | |
| 39) | Pyrene | 29.33 | 202 | 558210 | 4.15 | ug/l | | 99 |
| 40) | Butylbenzylphthalate | 31.51 | 149 | 223773 | 3.18 | ug/l | # | 82 |
| 41) | Benzo(a)anthracene | 32.97 | 228 | 359064 | 3.87 | ug/l | | 99 |
| 42) | Bis(2-ethylhexyl)phthalate | 33.30 | 149 | 294876 | 3.11 | ug/l | | 97 |
| 43) | Chrysene | 33.09 | 228 | 413066 | 4.54 | ug/l | | 100 |
| 45) | Di-n-Octylphthalate | 35.04 | 149 | 301742 | 2.34 | ug/l | # | 90 |
| 46) | Benzo(b)fluoranthene | 36.05 | 252 | 307039 | 4.20 | ug/l | | 98 |
| 47) | Benzo(k)fluoranthene | 36.11 | 252 | 373464 | 4.97 | ug/l | | 98 |
| 48) | Benzo(a)pyrene | 36.94 | 252 | 211315 | 3.32 | ug/l | | 97 |
| 49) | Indeno(1,2,3-cd)pyrene | 40.83 | 276 | 190137 | 2.99 | ug/l | | 93 |
| 50) | Dibenz(a,h)anthracene | 40.89 | 278 | 160247 | 3.22 | ug/l | | 95 |
| 51) | Benzo(g,h,i)perylene | 41.93 | 276 | 181465 | 3.34 | ug/l | | 94 |

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

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC2701\REFA.D
Acq On : 29 Dec 2001 2:07 am
Sample : GC/MS SCAN 12/13
Misc :
MS Integration Params: GOOFY.P
Quant Time: Dec 31 11:20 2001

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 28 15:11:00 2001
Response via : Initial Calibration