Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050715\
Data File : BG016916.D
Acq On : 7 May 2015 10:48
Operator : TP/IZ
Sample : PB83190BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB83190BS

Manual Integrations APPROVED
apatel
5/8/2015 5:07:56 PM

Quant Time: May 08 03:23:09 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 08 02:05:00 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.80 | 152 | 86162 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.59 | 136 | 386679 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.44 | 164 | 249696 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.18 | 188 | 547939 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.36 | 240 | 574322 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.66 | 264 | 569319 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.38 | 112 | 538522 | 108.83 | ng | | 0.01 |
| 7) Phenol-d6 | 6.97 | 99 | 738350 | 104.44 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 8.96 | 82 | 464728 | 58.71 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.93 | 330 | 255153 | 101.79 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.06 | 172 | 923480 | 55.81 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.81 | 244 | 1439332 | 58.75 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.29 | 88 | 54107 | 26.09 | ng | # | 1 |
| 3) Pyridine | 3.69 | 79 | 160646 | 25.06 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.60 | 42 | 112241 | 29.33 | ng | | 95 |
| 6) Aniline | 7.13 | 93 | 184189 | 18.55 | ng | | 97 |
| 8) 2-Chlorophenol | 7.36 | 128 | 187605 | 32.73 | ng | | 97 |
| 9) Benzaldehyde | 6.94 | 77 | 44858 | 7.63 | ng | | 98 |
| 10) Phenol | 6.99 | 94 | 257473 | 33.96 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.23 | 93 | 178249 | 30.41 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.69 | 146 | 178613 | 28.26 | ng | | 93 |
| 13) 1,4-Dichlorobenzene | 7.83 | 146 | 184720 | 28.85 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.15 | 146 | 179899 | 29.28 | ng | | 94 |
| 15) Benzyl Alcohol | 8.03 | 79 | 199010 | 30.82 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.33 | 45 | 328096 | 30.24 | ng | | 98 |
| 17) 2-Methylphenol | 8.24 | 107 | 172943 | 32.40 | ng | | 93 |
| 18) Hexachloroethane | 8.88 | 117 | 75825 | 28.81 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.60 | 70 | 174296 | 28.12 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.56 | 107 | 233284 | 31.71 | ng | | 94 |
| 22) Acetophenone | 8.62 | 105 | 282757 | 30.70 | ng | # | 99 |
| 24) Nitrobenzene | 9.00 | 77 | 232232 | 29.05 | ng | | 100 |
| 25) Isophorone | 9.52 | 82 | 446276 | 27.92 | ng | | 97 |
| 26) 2-Nitrophenol | 9.71 | 139 | 103188 | 31.71 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.77 | 122 | 190261 | 32.30 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.01 | 93 | 237858 | 29.48 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.24 | 162 | 179576 | 32.27 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.45 | 180 | 170123 | 28.83 | ng | | 98 |
| 31) Naphthalene | 10.64 | 128 | 547493 | 28.47 | ng | | 98 |
| 32) Benzoic acid | 9.89 | 122 | 124612 | 37.80 | ng | # | 81 |
| 33) 4-Chloroaniline | 10.75 | 127 | 113633 | 12.79 | ng | | 97 |
| 34) Hexachlorobutadiene | 10.92 | 225 | 99813 | 27.03 | ng | | 89 |
| 35) Caprolactam | 11.52 | 113 | 89538m | 30.97 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.88 | 107 | 229591 | 32.22 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.25 | 142 | 422063 | 28.81 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.62 | 216 | 180210 | 26.70 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.60 | 237 | 248943 | 57.11 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.86 | 196 | 138200 | 28.89 | ng | | 93 |
| 43) 2,4,5-Trichlorophenol | 12.93 | 196 | 157731 | 31.07 | ng | | 98 |
| 45) 1,1'-Biphenyl | 13.27 | 154 | 527932 | 29.53 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.31 | 162 | 411339 | 29.05 | ng | | 96 |
| 47) 2-Nitroaniline | 13.52 | 65 | 169844 | 34.46 | ng | | 98 |
| 48) Acenaphthylene | 14.16 | 152 | 702533 | 28.49 | ng | | 99 |
| 49) Dimethylphthalate | 13.90 | 163 | 550949 | 29.55 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.02 | 165 | 128344 | 33.15 | ng | | 93 |
| 51) Acenaphthene | 14.50 | 154 | 416914 | 28.41 | ng | | 99 |
| 52) 3-Nitroaniline | 14.34 | 138 | 94226 | 21.39 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 14.55 | 184 | 134963 | 76.22 | ng | | 93 |
| 54) Dibenzofuran | 14.84 | 168 | 636269 | 30.53 | ng | | 97 |
| 55) 4-Nitrophenol | 14.65 | 139 | 248997 | 66.68 | ng | | 97 |
| 56) 2,4-Dinitrotoluene | 14.80 | 165 | 178117 | 35.97 | ng | | 97 |
| 57) Fluorene | 15.48 | 166 | 550069 | 29.81 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.06 | 232 | 141119 | 32.21 | ng | # | 77 |
| 59) Diethylphthalate | 15.27 | 149 | 596011 | 30.28 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.48 | 204 | 274240 | 29.58 | ng | | 99 |
| 61) 4-Nitroaniline | 15.51 | 138 | 158972 | 31.13 | ng | | 97 |
| 62) Azobenzene | 15.78 | 77 | 645574 | 31.67 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 15.56 | 198 | 90234 | 33.21 | ng | | 82 |
| 65) n-Nitrosodiphenylamine | 15.70 | 169 | 487321 | 29.14 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.38 | 248 | 165906 | 30.17 | ng | | 95 |
| 67) Hexachlorobenzene | 16.49 | 284 | 177603 | 30.62 | ng | | 96 |
| 68) Atrazine | 16.65 | 200 | 180219 | 29.94 | ng | | 96 |
| 69) Pentachlorophenol | 16.83 | 266 | 242680 | 64.45 | ng | | 95 |
| 70) Phenanthrene | 17.22 | 178 | 840085 | 29.79 | ng | | 97 |
| 71) Anthracene | 17.32 | 178 | 857241 | 30.13 | ng | | 98 |
| 72) Carbazole | 17.59 | 167 | 825807 | 30.54 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.15 | 149 | 1069372 | 30.50 | ng | | 99 |
| 74) Fluoranthene | 19.24 | 202 | 969911 | 29.65 | ng | | 97 |
| 76) Benzidine | 19.43 | 184 | 384676 | 19.71 | ng | | 99 |
| 77) Pyrene | 19.60 | 202 | 983841 | 29.02 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.50 | 149 | 481708 | 29.90 | ng | | 97 |
| 80) Benzo(a)anthracene | 21.35 | 228 | 913790 | 29.66 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.28 | 252 | 241740 | 20.09 | ng | | 99 |
| 82) Chrysene | 21.40 | 228 | 849217 | 29.43 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 656872 | 29.81 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.18 | 149 | 1112958 | 30.06 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 26.02 | 276 | 1002541 | 29.15 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 22.97 | 252 | 931532 | 29.37 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 23.02 | 252 | 852223 | 27.93 | ng | | 97 |
| 89) Benzo(a)pyrene | 23.56 | 252 | 865966 | 29.28 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 26.05 | 278 | 863594 | 28.59 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 26.75 | 276 | 832967 | 28.96 | ng | | 99 |

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

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