Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120715\
Data File : BG019985.D
Acq On : 7 Dec 2015 17:39
Operator : UM/NP
Sample : PB87126BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB87126BS

**Manual Integrations APPROVED**
Mmdadoda
12/8/2015 6:30:10 PM

Quant Time: Dec 07 18:22:53 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 18:50:01 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 17063 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.93 | 136 | 70991 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.74 | 164 | 49064 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.48 | 188 | 127187 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 21.76 | 240 | 159012 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 25.03 | 264 | 148120 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.66 | 112 | 85615 | 90.69 | ng | | -0.01 |
| 7) Phenol-d6 | 7.26 | 99 | 126140 | 88.49 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 122556 | 88.11 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.23 | 330 | 63952 | 85.19 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.37 | 172 | 294290 | 81.90 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.08 | 244 | 548520 | 84.14 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 12457 | 33.87 | ng | # | 100 |
| 3) Pyridine | 3.92 | 79 | 40028 | 35.84 | ng | # | 87 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 21802 | 37.11 | ng | | 81 |
| 6) Aniline | 7.43 | 93 | 43939 | 23.80 | ng | # | 86 |
| 8) 2-Chlorophenol | 7.67 | 128 | 48466 | 42.10 | ng | | 96 |
| 9) Benzaldehyde | 7.24 | 77 | 13997 | 14.73 | ng | | 91 |
| 10) Phenol | 7.29 | 94 | 66234 | 44.15 | ng | | 79 |
| 11) bis(2-Chloroethyl)ether | 7.53 | 93 | 44025 | 39.62 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 8.00 | 146 | 49570 | 37.99 | ng | # | 94 |
| 13) 1,4-Dichlorobenzene | 8.15 | 146 | 51693 | 38.36 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.47 | 146 | 49762 | 38.71 | ng | | 94 |
| 15) Benzyl Alcohol | 8.35 | 79 | 50696 | 40.53 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65 | 45 | 67497 | 37.25 | ng | | 96 |
| 17) 2-Methylphenol | 8.55 | 107 | 45250 | 42.73 | ng | # | 93 |
| 18) Hexachloroethane | 9.21 | 117 | 19587 | 38.82 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 8.92 | 70 | 42554 | 37.85 | ng | # | 88 |
| 20) 3+4-Methylphenols | 8.88 | 107 | 61811 | 41.45 | ng | | 94 |
| 22) Acetophenone | 8.94 | 105 | 73763 | 37.91 | ng | # | 94 |
| 24) Nitrobenzene | 9.32 | 77 | 62810 | 41.63 | ng | | 94 |
| 25) Isophorone | 9.85 | 82 | 112997 | 37.89 | ng | # | 97 |
| 26) 2-Nitrophenol | 10.03 | 139 | 27008 | 46.35 | ng | # | 76 |
| 27) 2,4-Dimethylphenol | 10.09 | 122 | 51421 | 42.37 | ng | | 90 |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93 | 62493 | 42.88 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.57 | 162 | 56156 | 45.30 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.79 | 180 | 54801 | 39.11 | ng | | 97 |
| 31) Naphthalene | 10.98 | 128 | 155390 | 40.86 | ng | | 99 |
| 32) Benzoic acid | 10.21 | 122 | 36919 | 45.50 | ng | | 85 |
| 33) 4-Chloroaniline | 11.08 | 127 | 29338 | 17.51 | ng | # | 91 |
| 34) Hexachlorobutadiene | 11.27 | 225 | 39301 | 38.03 | ng | | 98 |
| 35) Caprolactam | 11.86 | 113 | 19616m | 42.51 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.20 | 107 | 65814 | 42.63 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.58 | 142 | 118391 | 42.48 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 74331 | 39.92 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.93 | 237 | 78323 | 73.77 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.18 | 196 | 51175 | 41.51 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 13.25 | 196 | 58216 | 44.68 | ng | | 95 |
| 45) 1,1'-Biphenyl | 13.58 | 154 | 157394 | 39.09 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.62 | 162 | 126971 | 40.91 | ng | | 95 |
| 47) 2-Nitroaniline | 13.82 | 65 | 46543 | 47.48 | ng | | 87 |
| 48) Acenaphthylene | 14.47 | 152 | 214685 | 40.61 | ng | | 99 |
| 49) Dimethylphthalate | 14.19 | 163 | 176225 | 39.93 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.31 | 165 | 38124 | 45.94 | ng | # | 75 |
| 51) Acenaphthene | 14.81 | 154 | 129856 | 40.48 | ng | | 99 |
| 52) 3-Nitroaniline | 14.64 | 138 | 27387 | 31.77 | ng | | 95 |
| 53) 2,4-Dinitrophenol | 14.84 | 184 | 37053 | 83.46 | ng | # | 85 |
| 54) Dibenzofuran | 15.14 | 168 | 213333 | 44.70 | ng | | 93 |
| 55) 4-Nitrophenol | 14.94 | 139 | 64607 | 86.05 | ng | # | 66 |
| 56) 2,4-Dinitrotoluene | 15.09 | 165 | 55092 | 47.59 | ng | # | 85 |
| 57) Fluorene | 15.79 | 166 | 177458 | 41.55 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 56700 | 47.02 | ng | | 98 |
| 59) Diethylphthalate | 15.55 | 149 | 186600 | 39.07 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.78 | 204 | 95695 | 39.02 | ng | | 97 |
| 61) 4-Nitroaniline | 15.80 | 138 | 42252 | 43.58 | ng | # | 72 |
| 62) Azobenzene | 16.07 | 77 | 177260 | 44.60 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 15.86 | 198 | 31300 | 44.34 | ng | | 91 |
| 65) n-Nitrosodiphenylamine | 15.99 | 169 | 162068 | 44.03 | ng | | 94 |
| 66) 4-Bromophenyl-phenylether | 16.67 | 248 | 63589 | 40.24 | ng | | 97 |
| 67) Hexachlorobenzene | 16.79 | 284 | 69852 | 42.43 | ng | | 98 |
| 68) Atrazine | 16.93 | 200 | 67017 | 41.91 | ng | | 96 |
| 69) Pentachlorophenol | 17.13 | 266 | 89006 | 92.63 | ng | | 95 |
| 70) Phenanthrene | 17.53 | 178 | 306834 | 42.64 | ng | | 97 |
| 71) Anthracene | 17.62 | 178 | 312288 | 42.61 | ng | | 95 |
| 72) Carbazole | 17.88 | 167 | 275856 | 42.72 | ng | | 96 |
| 73) Di-n-butylphthalate | 18.44 | 149 | 329477 | 41.63 | ng | | 97 |
| 74) Fluoranthene | 19.53 | 202 | 391204 | 42.50 | ng | | 94 |
| 76) Benzidine | 19.71 | 184 | 151270 | 28.96 | ng | | 95 |
| 77) Pyrene | 19.89 | 202 | 400607 | 42.82 | ng | | 95 |
| 79) Butylbenzylphthalate | 20.77 | 149 | 155680 | 42.46 | ng | | 99 |
| 80) Benzo(a)anthracene | 21.74 | 228 | 406795 | 41.79 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.65 | 252 | 104709 | 28.25 | ng | | 98 |
| 82) Chrysene | 21.80 | 228 | 369573 | 39.99 | ng | | 96 |
| 83) Bis(2-ethylhexyl)phthalate | 21.64 | 149 | 225108 | 41.83 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.87 | 149 | 385632 | 44.08 | ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 28.80 | 276 | 449260 | 44.13 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 23.99 | 252 | 396195 | 42.20 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 24.07 | 252 | 381347 | 41.02 | ng | # | 95 |
| 89) Benzo(a)pyrene | 24.89 | 252 | 379048 | 42.53 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 28.86 | 278 | 370315 | 42.06 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 29.96 | 276 | 365187 | 42.24 | ng | # | 92 |

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

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