Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080116\
Data File : BG023386.D
Acq On : 1 Aug 2016 16:36
Operator : UM/SJ
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDICC050

**Manual Integrations APPROVED**
sohil
8/2/2016 5:10:36 PM

Quant Time: Aug 01 17:48:47 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 17:40:36 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.13 | 152 | 164042 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.96 | 136 | 772641 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.79 | 164 | 541453 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.55 | 188 | 1269888 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.87 | 240 | 1057173 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.25 | 264 | 1095242 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.67 | 112 | 976945 | 101.67 | ng | | 0.00 |
| 7) Phenol-d6 | 7.28 | 99 | 1506866 | 102.14 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.31 | 82 | 1569077 | 99.31 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 16.29 | 330 | 786243 | 140.30 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.41 | 172 | 2974057 | 102.80 | ng | | 0.01 |
| 78) Terphenyl-d14 | 20.16 | 244 | 3267146 | 100.46 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 200860 | 48.74 | ng | # | 91 |
| 3) Pyridine | 3.93 | 79 | 706164 | 48.96 | ng | # | 92 |
| 4) n-Nitrosodimethylamine | 3.85 | 42 | 257329 | 39.49 | ng | # | 64 |
| 6) Aniline | 7.45 | 93 | 1109494 | 56.31 | ng | | 96 |
| 8) 2-Chlorophenol | 7.69 | 128 | 556587 | 51.91 | ng | | 98 |
| 9) Benzaldehyde | 7.26 | 77 | 406945 | 38.40 | ng | | 93 |
| 10) Phenol | 7.31 | 94 | 820751 | 52.73 | ng | # | 77 |
| 11) bis(2-Chloroethyl)ether | 7.54 | 93 | 641314 | 48.47 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 8.02 | 146 | 630864 | 52.22 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 8.16 | 146 | 653875 | 53.05 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.49 | 146 | 628773 | 52.88 | ng | | 94 |
| 15) Benzyl Alcohol | 8.37 | 79 | 599582 | 60.39 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.66 | 45 | 946633 | 44.96 | ng | | 90 |
| 17) 2-Methylphenol | 8.57 | 107 | 543810 | 51.11 | ng | # | 86 |
| 18) Hexachloroethane | 9.22 | 117 | 247925 | 48.28 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.94 | 70 | 657894 | 49.58 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.90 | 107 | 779005 | 53.85 | ng | | 89 |
| 22) Acetophenone | 8.96 | 105 | 1053473 | 52.22 | ng | # | 89 |
| 24) Nitrobenzene | 9.35 | 77 | 862501 | 47.01 | ng | # | 89 |
| 25) Isophorone | 9.87 | 82 | 1650427 | 50.57 | ng | # | 93 |
| 26) 2-Nitrophenol | 10.06 | 139 | 389340 | 56.18 | ng | # | 75 |
| 27) 2,4-Dimethylphenol | 10.12 | 122 | 640617 | 54.84 | ng | | 84 |
| 28) bis(2-Chloroethoxy)methane | 10.35 | 93 | 974237 | 53.21 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.61 | 162 | 652560 | 57.70 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.82 | 180 | 672208 | 53.79 | ng | | 94 |
| 31) Naphthalene | 11.01 | 128 | 1927078 | 53.68 | ng | | 97 |
| 32) Benzoic acid | 10.30 | 122 | 590582 | 71.26 | ng | # | 86 |
| 33) 4-Chloroaniline | 11.12 | 127 | 960865 | 57.93 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.29 | 225 | 446029 | 54.46 | ng | | 95 |
| 35) Caprolactam | 11.91 | 113 | 273783 | 56.93 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 12.25 | 107 | 838301 | 56.42 | ng | | 92 |
| 37) 2-Methylnaphthalene | 12.62 | 142 | 1475507m | 55.43 | ng | | |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.98 | 216 | 975025 | 55.62 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.96 | 237 | 507127 | 61.05 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.22 | 196 | 598763 | 58.15 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.30 | 196 | 610910 | 55.93 | ng | # | 95 |
| 45) 1,1'-Biphenyl | 13.62 | 154 | 2002398 | 53.03 | ng | | 91 |
| 46) 2-Chloronaphthalene | 13.67 | 162 | 1565652 | 51.74 | ng | | 93 |
| 47) 2-Nitroaniline | 13.87 | 65 | 686622 | 53.64 | ng | # | 86 |
| 48) Acenaphthylene | 14.51 | 152 | 2415694 | 52.14 | ng | # | 93 |
| 49) Dimethylphthalate | 14.24 | 163 | 1975727 | 49.45 | ng | # | 95 |
| 50) 2,6-Dinitrotoluene | 14.37 | 165 | 490837 | 52.46 | ng | # | 78 |
| 51) Acenaphthene | 14.85 | 154 | 1567242 | 52.15 | ng | | 97 |
| 52) 3-Nitroaniline | 14.70 | 138 | 555116 | 58.90 | ng | # | 83 |
| 53) 2,4-Dinitrophenol | 14.91 | 184 | 336298 | 61.38 | ng | # | 84 |
| 54) Dibenzofuran | 15.19 | 168 | 2194405 | 51.61 | ng | | 98 |
| 55) 4-Nitrophenol | 15.01 | 139 | 438835 | 53.68 | ng | # | 75 |
| 56) 2,4-Dinitrotoluene | 15.15 | 165 | 702242 | 53.30 | ng | | 88 |
| 57) Fluorene | 15.84 | 166 | 1914444 | 50.99 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.42 | 232 | 538822 | 58.27 | ng | | 93 |
| 59) Diethylphthalate | 15.60 | 149 | 1985787 | 48.52 | ng | # | 92 |
| 60) 4-Chlorophenyl-phenylether | 15.83 | 204 | 1028899 | 50.62 | ng | | 98 |
| 61) 4-Nitroaniline | 15.87 | 138 | 582102 | 58.91 | ng | # | 64 |
| 62) Azobenzene | 16.12 | 77 | 2042627 | 48.14 | ng | | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 15.92 | 198 | 467622 | 57.33 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 16.05 | 169 | 1819261 | 53.66 | ng | # | 91 |
| 66) 4-Bromophenyl-phenylether | 16.73 | 248 | 753152 | 58.66 | ng | | 95 |
| 67) Hexachlorobenzene | 16.85 | 284 | 811025 | 62.82 | ng | | 99 |
| 68) Atrazine | 17.00 | 200 | 694813 | 53.43 | ng | | 95 |
| 69) Pentachlorophenol | 17.20 | 266 | 483131 | 60.63 | ng | | 98 |
| 70) Phenanthrene | 17.60 | 178 | 2881069 | 51.87 | ng | # | 89 |
| 71) Anthracene | 17.69 | 178 | 2908365 | 51.82 | ng | # | 89 |
| 72) Carbazole | 17.96 | 167 | 2629206 | 51.15 | ng | | 93 |
| 73) Di-n-butylphthalate | 18.50 | 149 | 2882187 | 50.25 | ng | # | 96 |
| 74) Fluoranthene | 19.61 | 202 | 2986766 | 47.12 | ng | | 87 |
| 76) Benzidine | 19.78 | 184 | 1439128 | 48.40 | ng | | 96 |
| 77) Pyrene | 19.97 | 202 | 2984274 | 49.74 | ng | # | 91 |
| 79) Butylbenzylphthalate | 20.85 | 149 | 1268272 | 48.05 | ng | | 95 |
| 80) Benzo(a)anthracene | 21.84 | 228 | 2729518 | 49.32 | ng | | 95 |
| 81) 3,3'-Dichlorobenzidine | 21.76 | 252 | 1215405 | 54.16 | ng | # | 94 |
| 82) Chrysene | 21.91 | 228 | 2629247 | 49.17 | ng | | 93 |
| 83) Bis(2-ethylhexyl)phthalate | 21.73 | 149 | 1739398 | 47.10 | ng | | 96 |
| 84) Di-n-octyl phthalate | 22.99 | 149 | 2949817 | 48.83 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 29.13 | 276 | 3485545 | 55.88 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.17 | 252 | 3019092 | 51.89 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 24.24 | 252 | 2887959 | 49.65 | ng | # | 94 |
| 89) Benzo(a)pyrene | 25.09 | 252 | 2883285 | 50.57 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 29.19 | 278 | 2987204 | 55.39 | ng | # | 89 |
| 91) Benzo(g,h,i)perylene | 30.33 | 276 | 3015982 | 53.12 | ng | # | 90 |

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

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