Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062616\
Data File : BG022599.D
Acq On : 26 Jun 2016 7:25
Operator : UM/SJ
Sample : H3663-13MS
Misc :
ALS Vial : 54 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP-7MS

Quant Time: Jun 26 08:51:34 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 24 20:14:59 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.16 | 152 | 130854 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.99 | 136 | 549251 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.80 | 164 | 398300 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.56 | 188 | 1041824 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.85 | 240 | 1159801 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.21 | 264 | 1183510 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.71 | 112 | 1229248 | 150.68 | ng | | 0.00 |
| 7) Phenol-d6 | 7.31 | 99 | 1847233 | 160.64 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 9.34 | 82 | 1293831 | 99.70 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.29 | 330 | 1025442 | 163.69 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.43 | 172 | 2366571 | 94.23 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.16 | 244 | 3362097 | 76.80 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.58 | 88 | 123739 | 37.42 | ng | | 95 |
| 3) Pyridine | 3.99 | 79 | 395863 | 42.80 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.90 | 42 | 230356 | 43.54 | ng | # | 92 |
| 6) Aniline | 7.48 | 93 | 691828 | 45.38 | ng | | 98 |
| 8) 2-Chlorophenol | 7.73 | 128 | 441184 | 52.21 | ng | | 99 |
| 9) Benzaldehyde | 7.30 | 77 | 17272 | 4.27 | ng | # | 77 |
| 10) Phenol | 7.34 | 94 | 657325 | 54.08 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.58 | 93 | 469970 | 46.97 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 8.05 | 146 | 463793 | 45.10 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.20 | 146 | 473304 | 45.91 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.52 | 146 | 456989 | 46.61 | ng | | 95 |
| 15) Benzyl Alcohol | 8.40 | 79 | 589418 | 55.40 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.70 | 45 | 535673 | 48.41 | ng | | 97 |
| 17) 2-Methylphenol | 8.60 | 107 | 425957 | 53.17 | ng | | 97 |
| 18) Hexachloroethane | 9.26 | 117 | 195484 | 45.81 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.97 | 70 | 471004 | 49.18 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.93 | 107 | 602246 | 54.57 | ng | | 97 |
| 22) Acetophenone | 8.99 | 105 | 790683 | 49.80 | ng | | 95 |
| 24) Nitrobenzene | 9.38 | 77 | 689341 | 48.06 | ng | | 95 |
| 25) Isophorone | 9.90 | 82 | 1235353 | 49.04 | ng | | 99 |
| 26) 2-Nitrophenol | 10.09 | 139 | 274811 | 53.19 | ng | | 88 |
| 27) 2,4-Dimethylphenol | 10.14 | 122 | 480699 | 48.70 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 10.38 | 93 | 686465 | 49.91 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.63 | 162 | 530690 | 55.18 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.85 | 180 | 550492 | 48.21 | ng | | 98 |
| 31) Naphthalene | 11.04 | 128 | 1329619 | 48.16 | ng | | 99 |
| 32) Benzoic acid | 10.24 | 122 | 158997 | 27.13 | ng | | 90 |
| 33) 4-Chloroaniline | 11.15 | 127 | 417305 | 35.09 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.32 | 225 | 410125 | 46.21 | ng | | 97 |
| 35) Caprolactam | 11.93 | 113 | 187104m | 61.76 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.25 | 107 | 650534 | 55.10 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 1046372 | 48.87 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 704720 | 46.87 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.98 | 237 | 934125 | 77.82 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.23 | 196 | 504910 | 52.36 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.31 | 196 | 540644 | 53.58 | ng | | 96 |
| 45) 1,1'-Biphenyl | 13.63 | 154 | 1432981 | 47.23 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.68 | 162 | 1188904 | 47.62 | ng | | 97 |
| 47) 2-Nitroaniline | 13.88 | 65 | 515632 | 53.51 | ng | | 95 |
| 48) Acenaphthylene | 14.52 | 152 | 1728634 | 47.74 | ng | | 96 |
| 49) Dimethylphthalate | 14.25 | 163 | 1931633 | 58.46 | ng | # | 96 |
| 50) 2,6-Dinitrotoluene | 14.37 | 165 | 383634 | 53.43 | ng | | 92 |
| 51) Acenaphthene | 14.86 | 154 | 1157149 | 43.38 | ng | | 98 |
| 52) 3-Nitroaniline | 14.70 | 138 | 305649 | 45.50 | ng | | 94 |
| 53) 2,4-Dinitrophenol | 14.90 | 184 | 393095 | 88.89 | ng | | 95 |
| 54) Dibenzofuran | 15.20 | 168 | 1835397 | 47.50 | ng | | 100 |
| 55) 4-Nitrophenol | 15.01 | 139 | 632916 | 111.41 | ng | | 98 |
| 56) 2,4-Dinitrotoluene | 15.15 | 165 | 567690 | 57.08 | ng | | 96 |
| 57) Fluorene | 15.85 | 166 | 1510718 | 49.00 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.42 | 232 | 572195 | 54.70 | ng | | 99 |
| 59) Diethylphthalate | 15.61 | 149 | 1672570 | 49.24 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.83 | 204 | 905893 | 49.35 | ng | | 99 |
| 61) 4-Nitroaniline | 15.87 | 138 | 383097 | 55.27 | ng | | 96 |
| 62) Azobenzene | 16.13 | 77 | 1691713 | 45.99 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.92 | 198 | 367137 | 52.55 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 16.05 | 169 | 1444917 | 47.66 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 16.73 | 248 | 630515 | 46.65 | ng | | 98 |
| 67) Hexachlorobenzene | 16.85 | 284 | 671072 | 46.96 | ng | | 100 |
| 68) Atrazine | 17.00 | 200 | 641493 | 50.12 | ng | | 97 |
| 69) Pentachlorophenol | 17.20 | 266 | 969418 | 98.57 | ng | | 100 |
| 70) Phenanthrene | 17.60 | 178 | 2405970 | 45.29 | ng | | 94 |
| 71) Anthracene | 17.69 | 178 | 2433204 | 44.50 | ng | | 94 |
| 72) Carbazole | 17.96 | 167 | 2240536 | 48.34 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.51 | 149 | 2511189 | 46.52 | ng | | 96 |
| 74) Fluoranthene | 19.60 | 202 | 2830554 | 46.24 | ng | | 96 |
| 76) Benzidine | 19.78 | 184 | 1799597 | 145.74 | ng | | 98 |
| 77) Pyrene | 19.96 | 202 | 2807855 | 45.45 | ng | | 93 |
| 79) Butylbenzylphthalate | 20.84 | 149 | 1307792 | 48.91 | ng | | 97 |
| 80) Benzo(a)anthracene | 21.83 | 228 | 3026407 | 47.16 | ng | | 95 |
| 81) 3,3'-Dichlorobenzidine | 21.74 | 252 | 888976 | 33.54 | ng | | 97 |
| 82) Chrysene | 21.90 | 228 | 2853491 | 47.32 | ng | | 91 |
| 83) Bis(2-ethylhexyl)phthalate | 21.72 | 149 | 1766308 | 46.91 | ng | | 96 |
| 84) Di-n-octyl phthalate | 22.98 | 149 | 2896342 | 46.67 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 29.07 | 276 | 3849205 | 48.57 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.14 | 252 | 3391692 | 47.66 | ng | | 93 |
| 88) Benzo(k)fluoranthene | 24.21 | 252 | 3148689 | 46.80 | ng | # | 95 |
| 89) Benzo(a)pyrene | 25.05 | 252 | 3307018 | 47.67 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 29.14 | 278 | 3197358 | 48.96 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 30.28 | 276 | 3222329 | 48.47 | ng | # | 97 |

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

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