Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021191.D
Acq On : 1 Mar 2016 19:45
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040

Quant Time: Mar 02 00:03:44 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 17:40:25 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.14 | 152 | 8634 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.96 | 136 | 45424 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.75 | 164 | 29431 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.49 | 188 | 69560 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.75 | 240 | 69936 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 25.02 | 264 | 65089 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.69 | 112 | 45378 | 83.55 | ng | | -0.01 |
| 7) Phenol-d6 | 7.29 | 99 | 73784 | 82.62 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.31 | 82 | 87456 | 81.47 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.23 | 330 | 25224 | 82.38 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.39 | 172 | 166181 | 80.18 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.08 | 244 | 239194 | 82.86 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.58 | 88 | 10234 | 41.96 | ng | # | 89 |
| 3) Pyridine | 3.98 | 79 | 33446 | 43.38 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.90 | 42 | 15370 | 39.57 | ng | | 98 |
| 6) Aniline | 7.47 | 93 | 48121 | 40.65 | ng | # | 87 |
| 8) 2-Chlorophenol | 7.71 | 128 | 27666 | 41.55 | ng | | 84 |
| 9) Benzaldehyde | 7.28 | 77 | 21857 | 39.18 | ng | # | 80 |
| 10) Phenol | 7.32 | 94 | 39650 | 41.65 | ng | | 82 |
| 11) bis(2-Chloroethyl)ether | 7.56 | 93 | 29819 | 40.64 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 8.03 | 146 | 27915 | 40.89 | ng | # | 89 |
| 13) 1,4-Dichlorobenzene | 8.18 | 146 | 28712 | 40.85 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 8.50 | 146 | 27591 | 41.16 | ng | | 96 |
| 15) Benzyl Alcohol | 8.37 | 79 | 34372 | 42.15 | ng | # | 85 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.67 | 45 | 51575 | 40.71 | ng | | 98 |
| 17) 2-Methylphenol | 8.57 | 107 | 27012 | 41.01 | ng | # | 89 |
| 18) Hexachloroethane | 9.23 | 117 | 11963 | 40.64 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.94 | 70 | 34199 | 41.45 | ng | # | 92 |
| 20) 3+4-Methylphenols | 8.90 | 107 | 38323 | 41.08 | ng | | 93 |
| 22) Acetophenone | 8.97 | 105 | 54946 | 40.65 | ng | # | 92 |
| 24) Nitrobenzene | 9.35 | 77 | 47368 | 40.43 | ng | # | 87 |
| 25) Isophorone | 9.87 | 82 | 97944 | 42.10 | ng | | 94 |
| 26) 2-Nitrophenol | 10.07 | 139 | 18338 | 42.97 | ng | # | 71 |
| 27) 2,4-Dimethylphenol | 10.11 | 122 | 31036 | 40.54 | ng | | 88 |
| 28) bis(2-Chloroethoxy)methane | 10.35 | 93 | 43012 | 39.82 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.59 | 162 | 27253 | 39.51 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.82 | 180 | 27120 | 38.98 | ng | | 95 |
| 31) Naphthalene | 11.01 | 128 | 94654 | 39.97 | ng | | 99 |
| 32) Benzoic acid | 10.22 | 122 | 18988 | 31.44 | ng | | 87 |
| 33) 4-Chloroaniline | 11.11 | 127 | 43704 | 40.01 | ng | # | 88 |
| 34) Hexachlorobutadiene | 11.28 | 225 | 17061 | 40.29 | ng | | 97 |
| 35) Caprolactam | 11.88 | 113 | 14502 | 43.12 | ng | # | 80 |
| 36) 4-Chloro-3-methylphenol | 12.21 | 107 | 42925 | 41.02 | ng | | 85 |
| 37) 2-Methylnaphthalene | 12.60 | 142 | 66975 | 39.72 | ng | # | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.96 | 216 | 35984 | 40.72 | ng | # | 98 |
| 40) Hexachlorocyclopentadiene | 12.94 | 237 | 21070 | 43.48 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.19 | 196 | 27272 | 41.09 | ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 13.26 | 196 | 28803 | 40.58 | ng | # | 89 |
| 45) 1,1'-Biphenyl | 13.59 | 154 | 98339 | 40.63 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.64 | 162 | 74101 | 40.78 | ng | | 98 |
| 47) 2-Nitroaniline | 13.83 | 65 | 36858 | 41.62 | ng | # | 67 |
| 48) Acenaphthylene | 14.48 | 152 | 125874 | 40.92 | ng | | 98 |
| 49) Dimethylphthalate | 14.20 | 163 | 106603 | 40.64 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 14.33 | 165 | 22792 | 41.53 | ng | # | 72 |
| 51) Acenaphthene | 14.82 | 154 | 79484 | 40.70 | ng | | 99 |
| 52) 3-Nitroaniline | 14.65 | 138 | 25336 | 41.61 | ng | # | 66 |
| 53) 2,4-Dinitrophenol | 14.85 | 184 | 9183 | 34.04 | ng | # | 70 |
| 54) Dibenzofuran | 15.15 | 168 | 104331 | 40.01 | ng | | 91 |
| 55) 4-Nitrophenol | 14.94 | 139 | 21260 | 42.10 | ng | # | 53 |
| 56) 2,4-Dinitrotoluene | 15.11 | 165 | 33203 | 42.00 | ng | # | 77 |
| 57) Fluorene | 15.80 | 166 | 98948 | 39.82 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.37 | 232 | 23307 | 41.05 | ng | # | 93 |
| 59) Diethylphthalate | 15.56 | 149 | 117749 | 40.62 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.78 | 204 | 50033 | 40.33 | ng | | 96 |
| 61) 4-Nitroaniline | 15.81 | 138 | 26785 | 41.19 | ng | # | 59 |
| 62) Azobenzene | 16.08 | 77 | 125832 | 40.41 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 15.86 | 198 | 16380 | 35.39 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 16.00 | 169 | 87913 | 41.10 | ng | | 93 |
| 66) 4-Bromophenyl-phenylether | 16.68 | 248 | 29954 | 41.20 | ng | # | 83 |
| 67) Hexachlorobenzene | 16.79 | 284 | 29038 | 41.15 | ng | # | 85 |
| 68) Atrazine | 16.94 | 200 | 31155 | 42.54 | ng | | 97 |
| 69) Pentachlorophenol | 17.13 | 266 | 17630 | 38.25 | ng | | 89 |
| 70) Phenanthrene | 17.53 | 178 | 153274 | 40.83 | ng | | 99 |
| 71) Anthracene | 17.62 | 178 | 155449 | 40.47 | ng | | 98 |
| 72) Carbazole | 17.89 | 167 | 138942 | 40.79 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.43 | 149 | 193386 | 40.38 | ng | # | 98 |
| 74) Fluoranthene | 19.53 | 202 | 173407 | 39.32 | ng | | 100 |
| 76) Benzidine | 19.70 | 184 | 90321 | 46.16 | ng | | 99 |
| 77) Pyrene | 19.89 | 202 | 174034 | 41.71 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.76 | 149 | 88140 | 41.40 | ng | # | 85 |
| 80) Benzo(a)anthracene | 21.73 | 228 | 167028 | 40.34 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.64 | 252 | 65902 | 42.06 | ng | | 94 |
| 82) Chrysene | 21.80 | 228 | 158086 | 40.29 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.62 | 149 | 128157 | 41.07 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.85 | 149 | 216181 | 41.59 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 28.76 | 276 | 181485 | 40.34 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 23.98 | 252 | 165306 | 40.38 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 24.04 | 252 | 159321 | 38.86 | ng | | 98 |
| 89) Benzo(a)pyrene | 24.87 | 252 | 155863 | 39.38 | ng | | 96 |
| 90) Dibenzo(a,h)anthracene | 28.82 | 278 | 153459 | 39.19 | ng | # | 97 |
| 91) Benzo(g,h,i)perylene | 29.92 | 276 | 146286 | 38.67 | ng | | 93 |

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

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