Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060917\
Data File : BG027356.D
Acq On : 9 Jun 2017 20:46
Operator : SJ/MA
Sample : I3541-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 10 06:41:10 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:00:35 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
RT-4215MSD

**Manual Integrations APPROVED**

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6/12/2017 3:58:23 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.56 | 152 | 45165 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 11.38 | 136 | 213895 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 15.14 | 164 | 132427 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.89 | 188 | 315237 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 22.28 | 240 | 384211 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 25.96 | 264 | 317100 | 20.00 | ng | | -0.07 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.14 | 112 | 452884 | 153.01 | ng | | -0.02 |
| 7) Phenol-d6 | 7.69 | 99 | 621846 | 143.13 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.72 | 82 | 405980 | 119.37 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.62 | 330 | 302244 | 173.32 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.76 | 172 | 884515 | 93.44 | ng | | -0.03 |
| 78) Terphenyl-d14 | 20.46 | 244 | 1508760 | 100.18 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 4.17 | 88 | 47657 | 38.832 | ng | | 90 |
| 3) Pyridine | 4.55 | 79 | 194035 | 51.288 | ng | # | 78 |
| 4) n-Nitrosodimethylamine | 4.45 | 42 | 68103 | 48.618 | ng | # | 46 |
| 6) Aniline | 7.89 | 93 | 75213 | 13.747 | ng | | 96 |
| 8) 2-Chlorophenol | 8.12 | 128 | 160423 | 51.330 | ng | | 95 |
| 9) Benzaldehyde | 7.70 | 77 | 59482 | 19.801 | ng | | 92 |
| 10) Phenol | 7.72 | 94 | 219713 | 49.451 | ng | # | 76 |
| 11) bis(2-Chloroethyl)ether | 7.96 | 93 | 168200 | 46.146 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 8.45 | 146 | 141939 | 40.266 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 8.59 | 146 | 144331 | 39.896 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.92 | 146 | 143603 | 40.698 | ng | | 97 |
| 15) Benzyl Alcohol | 8.79 | 79 | 156918 | 51.261 | ng | # | 86 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.07 | 45 | 280583 | 53.799 | ng | | 95 |
| 17) 2-Methylphenol | 8.97 | 107 | 154946 | 49.336 | ng | # | 88 |
| 18) Hexachloroethane | 9.64 | 117 | 53014 | 43.502 | ng | # | 83 |
| 19) n-Nitroso-di-n-propylamine | 9.35 | 70 | 151032 | 49.692 | ng | # | 86 |
| 20) 3+4-Methylphenols | 9.30 | 107 | 212214 | 48.779 | ng | | 91 |
| 22) Acetophenone | 9.37 | 105 | 259406 | 47.423 | ng | # | 87 |
| 24) Nitrobenzene | 9.76 | 77 | 209995 | 54.195 | ng | # | 90 |
| 25) Isophorone | 10.28 | 82 | 408012 | 51.017 | ng | # | 96 |
| 26) 2-Nitrophenol | 10.47 | 139 | 85570 | 52.733 | ng | # | 83 |
| 27) 2,4-Dimethylphenol | 10.51 | 122 | 177781 | 51.702 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.75 | 93 | 246025 | 47.510 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 11.01 | 162 | 159316 | 50.752 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 11.23 | 180 | 149883 | 43.120 | ng | | 97 |
| 31) Naphthalene | 11.42 | 128 | 518731 | 44.374 | ng | | 100 |
| 32) Benzoic acid | 10.63 | 122 | 109002 | 46.192 | ng | # | 85 |
| 34) Hexachlorobutadiene | 11.70 | 225 | 90428 | 42.330 | ng | | 99 |
| 35) Caprolactam | 12.29 | 113 | 54793m | 50.894 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.60 | 107 | 209825 | 53.330 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.99 | 142 | 374517 | 43.920 | ng | | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.35 | 216 | 180734 | 43.809 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 13.32 | 237 | 242516 | 110.448 | ng | | 96 |
| 42) 2,4,6-Trichlorophenol | 13.58 | 196 | 132136 | 52.807 | ng | | 94 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 13.65 | 196 | 144770 | 51.703 | ng | | 96 |
| 45) 1,1'-Biphenyl | 13.97 | 154 | 494596 | 45.757 | ng | | 96 |
| 46) 2-Chloronaphthalene | 14.02 | 162 | 376584 | 46.469 | ng | | 98 |
| 47) 2-Nitroaniline | 14.22 | 65 | 146567 | 61.377 | ng | | 88 |
| 48) Acenaphthylene | 14.86 | 152 | 614710 | 44.819 | ng | | 97 |
| 49) Dimethylphthalate | 14.57 | 163 | 518965 | 49.401 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 14.70 | 165 | 113098 | 52.411 | ng | # | 82 |
| 51) Acenaphthene | 15.20 | 154 | 458723 | 51.419 | ng | | 98 |
| 52) 3-Nitroaniline | 15.03 | 138 | 16944 | 12.383 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 15.23 | 184 | 136187 | 112.207 | ng | | 95 |
| 54) Dibenzofuran | 15.53 | 168 | 612395 | 49.122 | ng | | 94 |
| 55) 4-Nitrophenol | 15.32 | 139 | 196869 | 97.741 | ng | # | 59 |
| 56) 2,4-Dinitrotoluene | 15.48 | 165 | 159684 | 56.960 | ng | # | 89 |
| 57) Fluorene | 16.18 | 166 | 504389 | 45.551 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.75 | 232 | 140617 | 56.258 | ng | | 96 |
| 59) Diethylphthalate | 15.93 | 149 | 540082 | 51.543 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 16.16 | 204 | 258243 | 46.298 | ng | | 96 |
| 61) 4-Nitroaniline | 16.20 | 138 | 88870 | 40.310 | ng | # | 67 |
| 62) Azobenzene | 16.45 | 77 | 568167 | 58.504 | ng | | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 16.24 | 198 | 93233 | 60.798 | ng | | 84 |
| 65) n-Nitrosodiphenylamine | 16.37 | 169 | 377016 | 38.148 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 17.06 | 248 | 171696 | 46.018 | ng | | 97 |
| 67) Hexachlorobenzene | 17.19 | 284 | 185285 | 46.170 | ng | | 90 |
| 68) Atrazine | 17.31 | 200 | 41220 | 12.472 | ng | | 96 |
| 69) Pentachlorophenol | 17.52 | 266 | 241999 | 102.876 | ng | | 96 |
| 70) Phenanthrene | 17.93 | 178 | 830673 | 46.835 | ng | | 96 |
| 71) Anthracene | 18.02 | 178 | 845221 | 47.569 | ng | | 98 |
| 72) Carbazole | 18.28 | 167 | 548704 | 32.741 | ng | | 96 |
| 73) Di-n-butylphthalate | 18.81 | 149 | 953915 | 58.700 | ng | # | 94 |
| 74) Fluoranthene | 19.92 | 202 | 978118 | 51.623 | ng | | 93 |
| 76) Benzidine | 20.13 | 184 | 26842m | 2.319 | ng | | |
| 77) Pyrene | 20.29 | 202 | 1019580 | 43.920 | ng | | 97 |
| 79) Butylbenzylphthalate | 21.17 | 149 | 446847 | 54.476 | ng | | 94 |
| 80) Benzo(a)anthracene | 22.25 | 228 | 1047549 | 47.810 | ng | | 95 |
| 81) 3,3'-Dichlorobenzidine | 22.15 | 252 | 32555 | 3.819 | ng | # | 98 |
| 82) Chrysene | 22.33 | 228 | 977698 | 46.477 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 22.11 | 149 | 637714 | 51.445 | ng | | 99 |
| 84) Di-n-octyl phthalate | 23.49 | 149 | 1083055 | 52.753 | ng | # | 91 |
| 85) Indeno(1,2,3-cd)pyrene | 30.21 | 276 | 1173085 | 46.046 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 24.77 | 252 | 1051870 | 53.486 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 24.86 | 252 | 1029181 | 53.343 | ng | # | 94 |
| 89) Benzo(a)pyrene | 25.78 | 252 | 960166 | 51.864 | ng | # | 93 |
| 90) Dibenzo(a,h)anthracene | 30.29 | 278 | 1025702 | 52.926 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 31.54 | 276 | 925903 | 49.333 | ng | # | 89 |

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

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