Quantitation Report (QT Reviewed)

Data Path : U:\HPCHEM1\BNA G\DATA\BG020218\
Data File : BG032519.D
Acq On : 2 Feb 2018 19:31
Operator : SJ/JU
Sample : PB106268BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB106268BS

**Manual Integrations APPROVED**
Sohil
2/5/2018 11:15:13 AM

Quant Time: Feb 05 10:08:05 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 29 15:32:55 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.71 | 152 | 24125 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 11.59 | 136 | 95161 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 15.34 | 164 | 72451 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 18.08 | 188 | 200029 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 22.41 | 240 | 260169 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 26.08 | 264 | 283984 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.15 | 112 | 148873 | 123.95 | ng | | 0.00 |
| 7) Phenol-d6 | 7.83 | 99 | 194905 | 121.60 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.91 | 82 | 121842 | 79.97 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.82 | 330 | 180079 | 130.58 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 13.97 | 172 | 471258 | 77.31 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.61 | 244 | 1047372 | 86.23 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.80 | 88 | 13484 | 33.366 | ng | # | 73 |
| 3) Pyridine | 4.25 | 79 | 34846 | 31.934 | ng | # | 85 |
| 4) n-Nitrosodimethylamine | 4.17 | 42 | 23644 | 41.624 | ng | # | 64 |
| 6) Aniline | 8.01 | 93 | 24478 | 12.249 | ng | | 94 |
| 8) 2-Chlorophenol | 8.26 | 128 | 60515 | 42.623 | ng | | 85 |
| 9) Benzaldehyde | 7.81 | 77 | 17699 | 21.380 | ng | | 92 |
| 10) Phenol | 7.86 | 94 | 64958 | 42.677 | ng | | 84 |
| 11) bis(2-Chloroethyl)ether | 8.10 | 93 | 44698 | 38.541 | ng | # | 81 |
| 12) 1,3-Dichlorobenzene | 8.60 | 146 | 71863 | 37.427 | ng | | 90 |
| 13) 1,4-Dichlorobenzene | 8.75 | 146 | 73597 | 38.243 | ng | | 91 |
| 14) 1,2-Dichlorobenzene | 9.08 | 146 | 71234 | 37.785 | ng | | 98 |
| 15) Benzyl Alcohol | 8.95 | 79 | 49728 | 37.646 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.23 | 45 | 38979 | 35.469 | ng | | 71 |
| 17) 2-Methylphenol | 9.16 | 107 | 49078 | 39.701 | ng | # | 94 |
| 18) Hexachloroethane | 9.82 | 117 | 23463 | 36.313 | ng | | 87 |
| 19) n-Nitroso-di-n-propylamine | 9.52 | 70 | 36274 | 34.133 | ng | # | 90 |
| 20) 3+4-Methylphenols | 9.49 | 107 | 63943 | 36.875 | ng | | 92 |
| 22) Acetophenone | 9.55 | 105 | 82709 | 37.078 | ng | # | 89 |
| 24) Nitrobenzene | 9.95 | 77 | 60403 | 41.000 | ng | # | 87 |
| 25) Isophorone | 10.47 | 82 | 108847 | 41.958 | ng | # | 84 |
| 26) 2-Nitrophenol | 10.68 | 139 | 36818 | 41.342 | ng | # | 76 |
| 27) 2,4-Dimethylphenol | 10.72 | 122 | 59667 | 46.679 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.96 | 93 | 59216 | 41.627 | ng | # | 95 |
| 29) 2,4-Dichlorophenol | 11.22 | 162 | 78785 | 46.527 | ng | | 83 |
| 30) 1,2,4-Trichlorobenzene | 11.44 | 180 | 86316 | 38.246 | ng | | 96 |
| 31) Naphthalene | 11.64 | 128 | 185919 | 40.002 | ng | | 97 |
| 32) Benzoic acid | 10.81 | 122 | 26114m | 30.514 | ng | | |
| 33) 4-Chloroaniline | 11.74 | 127 | 27025 | 13.037 | ng | # | 89 |
| 34) Hexachlorobutadiene | 11.91 | 225 | 66403 | 37.817 | ng | | 96 |
| 35) Caprolactam | 12.49 | 113 | 22305 | 45.885 | ng | # | 48 |
| 36) 4-Chloro-3-methylphenol | 12.82 | 107 | 72367 | 45.055 | ng | # | 86 |
| 37) 2-Methylnaphthalene | 13.21 | 142 | 160377 | 41.074 | ng | | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.56 | 216 | 127617 | 37.651 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 13.53 | 237 | 167341 | 79.018 | ng | | 92 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.79 | 196 | 78529 | 42.594 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.87 | 196 | 92048 | 42.829 | ng | # | 93 |
| 45) 1,1'-Biphenyl | 14.18 | 154 | 235788 | 38.521 | ng | | 95 |
| 46) 2-Chloronaphthalene | 14.24 | 162 | 187511 | 39.085 | ng | | 96 |
| 47) 2-Nitroaniline | 14.43 | 65 | 45077 | 42.488 | ng | # | 87 |
| 48) Acenaphthylene | 15.07 | 152 | 283718 | 39.119 | ng | | 97 |
| 49) Dimethylphthalate | 14.77 | 163 | 263328 | 39.419 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.91 | 165 | 57359 | 40.909 | ng | # | 75 |
| 51) Acenaphthene | 15.41 | 154 | 185314 | 36.842 | ng | | 99 |
| 52) 3-Nitroaniline | 15.24 | 138 | 24776 | 20.230 | ng | # | 74 |
| 53) 2,4-Dinitrophenol | 15.44 | 184 | 11572 | 16.648 | ng | # | 91 |
| 54) Dibenzofuran | 15.74 | 168 | 307908 | 41.359 | ng | | 97 |
| 55) 4-Nitrophenol | 15.54 | 139 | 70694 | 77.104 | ng | # | 74 |
| 56) 2,4-Dinitrotoluene | 15.69 | 165 | 87669 | 43.915 | ng | # | 73 |
| 57) Fluorene | 16.38 | 166 | 253271 | 40.940 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.96 | 232 | 95620 | 45.109 | ng | # | 87 |
| 59) Diethylphthalate | 16.12 | 149 | 266685 | 40.989 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 16.36 | 204 | 163115 | 41.813 | ng | | 95 |
| 61) 4-Nitroaniline | 16.40 | 138 | 51366 | 39.132 | ng | # | 72 |
| 62) Azobenzene | 16.65 | 77 | 159357 | 40.985 | ng | | 81 |
| 64) 4,6-Dinitro-2-methylphenol | 16.45 | 198 | 23362m | 15.634 | ng | | |
| 65) n-Nitrosodiphenylamine | 16.57 | 169 | 238645 | 39.977 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 17.25 | 248 | 120445 | 40.644 | ng | | 94 |
| 67) Hexachlorobenzene | 17.38 | 284 | 129276 | 39.420 | ng | # | 92 |
| 68) Atrazine | 17.50 | 200 | 114146 | 44.543 | ng | | 96 |
| 69) Pentachlorophenol | 17.72 | 266 | 120248 | 58.532 | ng | | 96 |
| 70) Phenanthrene | 18.12 | 178 | 456406 | 40.915 | ng | | 99 |
| 71) Anthracene | 18.21 | 178 | 469070 | 42.231 | ng | | 99 |
| 72) Carbazole | 18.48 | 167 | 403338 | 41.099 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.98 | 149 | 462836 | 42.597 | ng | | 99 |
| 74) Fluoranthene | 20.09 | 202 | 624725 | 42.705 | ng | | 95 |
| 76) Benzidine | 20.25 | 184 | 151140 | 29.585 | ng | | 99 |
| 77) Pyrene | 20.44 | 202 | 627582 | 39.329 | ng | | 99 |
| 79) Butylbenzylphthalate | 21.30 | 149 | 216621 | 43.038 | ng | # | 74 |
| 80) Benzo(a)anthracene | 22.39 | 228 | 677946 | 42.033 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 22.28 | 252 | 113584 | 18.176 | ng | # | 97 |
| 82) Chrysene | 22.46 | 228 | 630367 | 40.469 | ng | | 96 |
| 83) Bis(2-ethylhexyl)phthalate | 22.22 | 149 | 302871 | 42.438 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 23.59 | 149 | 528796 | 46.715 | ng | # | 89 |
| 85) Indeno(1,2,3-cd)pyrene | 30.34 | 276 | 860224 | 43.656 | ng | # | 84 |
| 87) Benzo(b)fluoranthene | 24.90 | 252 | 738991 | 43.067 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 24.98 | 252 | 701550 | 41.272 | ng | # | 96 |
| 89) Benzo(a)pyrene | 25.91 | 252 | 711292 | 43.481 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 30.41 | 278 | 707139 | 42.257 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 31.68 | 276 | 711873 | 42.857 | ng | # | 90 |

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

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