Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062117\
Data File : BG027584.D
Acq On : 22 Jun 2017 7:05
Operator : SJ/JU
Sample : PB99997BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 22 08:02:46 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 18:52:15 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
PB99997BS

**Manual Integrations APPROVED**
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6/22/2017 6:04:34 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.51 | 152 | 20124 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.32 | 136 | 98054 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.09 | 164 | 66955 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.84 | 188 | 182863 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.21 | 240 | 205926 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.84 | 264 | 191308 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.09 | 112 | 164043 | 116.02 | ng | | 0.00 |
| 7) Phenol-d6 | 7.64 | 99 | 239169 | 114.26 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.66 | 82 | 148211 | 71.52 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.57 | 330 | 124176 | 124.40 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.71 | 172 | 349646 | 71.33 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.41 | 244 | 691746 | 79.15 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 4.09 | 88 | 14847 | 27.045 | ng | | 96 |
| 3) Pyridine | 4.47 | 79 | 47863 | 26.932 | ng | # | 79 |
| 4) n-Nitrosodimethylamine | 4.38 | 42 | 27362 | 33.736 | ng | # | 72 |
| 6) Aniline | 7.83 | 93 | 80700 | 31.590 | ng | | 96 |
| 8) 2-Chlorophenol | 8.07 | 128 | 57109 | 38.171 | ng | | 96 |
| 9) Benzaldehyde | 7.65 | 77 | 35933 | 25.263 | ng | | 92 |
| 10) Phenol | 7.67 | 94 | 81040 | 38.004 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.91 | 93 | 55201 | 33.074 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 8.40 | 146 | 51982 | 32.914 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.54 | 146 | 52408 | 32.868 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.86 | 146 | 52721 | 33.648 | ng | | 94 |
| 15) Benzyl Alcohol | 8.73 | 79 | 65322 | 39.085 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.01 | 45 | 84456 | 30.498 | ng | | 93 |
| 17) 2-Methylphenol | 8.92 | 107 | 54449 | 36.287 | ng | | 92 |
| 18) Hexachloroethane | 9.59 | 117 | 20401 | 32.627 | ng | | 89 |
| 19) n-Nitroso-di-n-propylamine | 9.29 | 70 | 53047 | 31.905 | ng | | 90 |
| 20) 3+4-Methylphenols | 9.24 | 107 | 75445 | 36.723 | ng | | 91 |
| 22) Acetophenone | 9.32 | 105 | 93251 | 34.679 | ng | # | 89 |
| 24) Nitrobenzene | 9.71 | 77 | 75776 | 33.361 | ng | | 95 |
| 25) Isophorone | 10.23 | 82 | 147914 | 34.742 | ng | | 98 |
| 26) 2-Nitrophenol | 10.42 | 139 | 29493 | 35.104 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 10.46 | 122 | 64359 | 40.563 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.70 | 93 | 82696 | 34.463 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.96 | 162 | 56331 | 41.104 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 11.18 | 180 | 55404 | 35.361 | ng | | 96 |
| 31) Naphthalene | 11.37 | 128 | 179452 | 33.860 | ng | | 98 |
| 32) Benzoic acid | 10.56 | 122 | 41234 | 38.372 | ng | | 96 |
| 33) 4-Chloroaniline | 11.47 | 127 | 55905 | 24.872 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.64 | 225 | 33147 | 35.007 | ng | | 98 |
| 35) Caprolactam | 12.24 | 113 | 26415m | 41.356 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.55 | 107 | 88315 | 42.020 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.94 | 142 | 139497 | 36.218 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.30 | 216 | 70642 | 33.645 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 13.27 | 237 | 94552 | 84.015 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.53 | 196 | 53354 | 39.325 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.60 | 196 | 60131 | 37.715 | ng | | 95 |
| 45) 1,1'-Biphenyl | 13.92 | 154 | 191398 | 34.283 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.98 | 162 | 143102 | 34.464 | ng | | 95 |
| 47) 2-Nitroaniline | 14.17 | 65 | 69361 | 37.210 | ng | | 97 |
| 48) Acenaphthylene | 14.82 | 152 | 242053 | 33.268 | ng | | 97 |
| 49) Dimethylphthalate | 14.52 | 163 | 220666 | 37.640 | ng | | 96 |
| 50) 2,6-Dinitrotoluene | 14.65 | 165 | 49481 | 38.897 | ng | | 95 |
| 51) Acenaphthene | 15.15 | 154 | 197225 | 38.904 | ng | | 99 |
| 52) 3-Nitroaniline | 14.99 | 138 | 38112 | 28.384 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 15.19 | 184 | 59388 | 82.599 | ng | # | 88 |
| 54) Dibenzofuran | 15.48 | 168 | 248242 | 37.595 | ng | | 98 |
| 55) 4-Nitrophenol | 15.28 | 139 | 89672 | 79.765 | ng | # | 79 |
| 56) 2,4-Dinitrotoluene | 15.43 | 165 | 74811 | 41.474 | ng | # | 96 |
| 57) Fluorene | 16.13 | 166 | 218647 | 34.963 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.70 | 232 | 61210 | 43.599 | ng | | 91 |
| 59) Diethylphthalate | 15.88 | 149 | 242611 | 37.926 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 16.11 | 204 | 111010 | 36.073 | ng | | 94 |
| 61) 4-Nitroaniline | 16.15 | 138 | 58574 | 39.761 | ng | # | 85 |
| 62) Azobenzene | 16.40 | 77 | 252480 | 38.492 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 16.20 | 198 | 42477 | 36.579 | ng | | 77 |
| 65) n-Nitrosodiphenylamine | 16.33 | 169 | 198314 | 35.377 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 17.01 | 248 | 72449 | 36.024 | ng | # | 87 |
| 67) Hexachlorobenzene | 17.14 | 284 | 76543 | 35.614 | ng | | 97 |
| 68) Atrazine | 17.26 | 200 | 79023 | 38.481 | ng | | 98 |
| 69) Pentachlorophenol | 17.48 | 266 | 101532 | 76.052 | ng | | 96 |
| 70) Phenanthrene | 17.88 | 178 | 376938 | 36.234 | ng | # | 92 |
| 71) Anthracene | 17.97 | 178 | 379651 | 36.247 | ng | | 94 |
| 72) Carbazole | 18.24 | 167 | 337252 | 33.051 | ng | | 96 |
| 73) Di-n-butylphthalate | 18.76 | 149 | 424778 | 37.154 | ng | # | 95 |
| 74) Fluoranthene | 19.87 | 202 | 442461 | 36.507 | ng | | 93 |
| 76) Benzidine | 20.04 | 184 | 224932 | 44.505 | ng | | 98 |
| 77) Pyrene | 20.23 | 202 | 457873 | 36.577 | ng | | 94 |
| 79) Butylbenzylphthalate | 21.11 | 149 | 196537 | 37.617 | ng | | 97 |
| 80) Benzo(a)anthracene | 22.19 | 228 | 445367 | 36.046 | ng | | 93 |
| 81) 3,3'-Dichlorobenzidine | 22.08 | 252 | 120460 | 26.966 | ng | | 98 |
| 82) Chrysene | 22.26 | 228 | 417309 | 35.645 | ng | | 93 |
| 83) Bis(2-ethylhexyl)phthalate | 22.04 | 149 | 280004 | 36.562 | ng | | 97 |
| 84) Di-n-octyl phthalate | 23.39 | 149 | 481138 | 37.771 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 30.03 | 276 | 504736 | 37.832 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 24.67 | 252 | 439226 | 35.909 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 24.75 | 252 | 440093 | 36.776 | ng | # | 92 |
| 89) Benzo(a)pyrene | 25.67 | 252 | 424738 | 36.795 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 30.10 | 278 | 433324 | 36.854 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 31.34 | 276 | 416799 | 36.495 | ng | # | 90 |

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

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