Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060616\
Data File : BG022167.D
Acq On : 6 Jun 2016 13:41
Operator : UM/SJ
Sample : SSTDICC25
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDICC25

**Manual Integrations APPROVED**
sohil
6/7/2016 7:27:27 PM

Quant Time: Jun 06 14:22:41 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 06 13:59:41 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.12 | 152 | 28111 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.94 | 136 | 149328 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.75 | 164 | 97924 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.49 | 188 | 237363 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.77 | 240 | 242711 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.06 | 264 | 232288 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.67 | 112 | 73956 | 43.81 | ng | | 0.00 |
| 7) Phenol-d6 | 7.28 | 99 | 119361 | 47.34 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.29 | 82 | 112742 | 38.81 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.23 | 330 | 57846 | 54.81 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.37 | 172 | 330916 | 49.51 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.08 | 244 | 512341 | 52.67 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 17400 | 23.16 | ng | # | 84 |
| 3) Pyridine | 3.93 | 79 | 47121 | 20.90 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 10584 | 9.47 | ng | | 89 |
| 6) Aniline | 7.44 | 93 | 75310 | 22.58 | ng | # | 82 |
| 8) 2-Chlorophenol | 7.68 | 128 | 51556 | 25.48 | ng | # | 77 |
| 9) Benzaldehyde | 7.26 | 77 | 35893 | 24.62 | ng | # | 71 |
| 10) Phenol | 7.31 | 94 | 62319 | 22.98 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 7.53 | 93 | 51395 | 23.68 | ng | # | 70 |
| 12) 1,3-Dichlorobenzene | 8.01 | 146 | 53500 | 23.67 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 8.15 | 146 | 54879 | 23.85 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.48 | 146 | 53958 | 24.44 | ng | | 98 |
| 15) Benzyl Alcohol | 8.36 | 79 | 35712 | 18.53 | ng | | 87 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65 | 45 | 49724 | 10.69 | ng | | 80 |
| 17) 2-Methylphenol | 8.57 | 107 | 45394 | 24.21 | ng | # | 87 |
| 18) Hexachloroethane | 9.21 | 117 | 20406 | 24.37 | ng | # | 79 |
| 19) n-Nitroso-di-n-propylamine | 8.92 | 70 | 40792 | 20.82 | ng | # | 68 |
| 20) 3+4-Methylphenols | 8.89 | 107 | 62872 | 24.50 | ng | | 96 |
| 22) Acetophenone | 8.95 | 105 | 85083 | 20.46 | ng | # | 81 |
| 24) Nitrobenzene | 9.34 | 77 | 55541 | 17.85 | ng | # | 84 |
| 25) Isophorone | 9.85 | 82 | 128001 | 20.13 | ng | # | 92 |
| 26) 2-Nitrophenol | 10.05 | 139 | 29726 | 25.03 | ng | # | 72 |
| 27) 2,4-Dimethylphenol | 10.11 | 122 | 57433 | 21.29 | ng | | 88 |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93 | 72158 | 21.36 | ng | | 91 |
| 29) 2,4-Dichlorophenol | 10.59 | 162 | 52618 | 22.88 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 10.80 | 180 | 56103 | 22.68 | ng | | 94 |
| 31) Naphthalene | 10.99 | 128 | 189069 | 23.66 | ng | | 97 |
| 32) Benzoic acid | 10.21 | 122 | 10852 | 7.56 | ng | | 85 |
| 33) 4-Chloroaniline | 11.10 | 127 | 79245 | 22.91 | ng | # | 89 |
| 34) Hexachlorobutadiene | 11.26 | 225 | 29373 | 18.41 | ng | | 91 |
| 35) Caprolactam | 11.86 | 113 | 28115 | 26.71 | ng | # | 45 |
| 36) 4-Chloro-3-methylphenol | 12.21 | 107 | 60558 | 20.94 | ng | | 86 |
| 37) 2-Methylnaphthalene | 12.58 | 142 | 141636m | 25.82 | ng | | |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.95 | 216 | 64027 | 20.92 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.93 | 237 | 27860 | 16.39 | ng | | 90 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.19 | 196 | 43375 | 22.23 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.27 | 196 | 48699 | 23.13 | ng | | 92 |
| 45) 1,1'-Biphenyl | 13.58 | 154 | 190019 | 23.03 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.63 | 162 | 145429 | 23.84 | ng | | 94 |
| 47) 2-Nitroaniline | 13.84 | 65 | 33935 | 16.22 | ng | # | 56 |
| 48) Acenaphthylene | 14.48 | 152 | 255173 | 25.30 | ng | | 99 |
| 49) Dimethylphthalate | 14.19 | 163 | 207938 | 24.56 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 14.32 | 165 | 45670 | 28.29 | ng | # | 74 |
| 51) Acenaphthene | 14.81 | 154 | 148364 | 23.01 | ng | | 96 |
| 52) 3-Nitroaniline | 14.66 | 138 | 50017 | 27.94 | ng | # | 77 |
| 53) 2,4-Dinitrophenol | 14.88 | 184 | 11102 | 21.33 | ng | # | 72 |
| 54) Dibenzofuran | 15.15 | 168 | 238352 | 27.08 | ng | | 94 |
| 55) 4-Nitrophenol | 14.98 | 139 | 33731 | 22.00 | ng | # | 64 |
| 56) 2,4-Dinitrotoluene | 15.11 | 165 | 64126 | 29.39 | ng | # | 81 |
| 57) Fluorene | 15.79 | 166 | 205027 | 26.08 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.38 | 232 | 41285 | 23.63 | ng | | 93 |
| 59) Diethylphthalate | 15.55 | 149 | 224135 | 25.36 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.78 | 204 | 93631 | 24.18 | ng | | 89 |
| 61) 4-Nitroaniline | 15.82 | 138 | 51980 | 26.38 | ng | # | 78 |
| 62) Azobenzene | 16.07 | 77 | 169118 | 22.33 | ng | | 87 |
| 64) 4,6-Dinitro-2-methylphenol | 15.88 | 198 | 26399 | 28.81 | ng | # | 81 |
| 65) n-Nitrosodiphenylamine | 15.99 | 169 | 174259 | 24.48 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.67 | 248 | 55774 | 21.93 | ng | | 93 |
| 67) Hexachlorobenzene | 16.80 | 284 | 65065 | 24.24 | ng | | 94 |
| 68) Atrazine | 16.93 | 200 | 65386 | 23.26 | ng | | 99 |
| 69) Pentachlorophenol | 17.14 | 266 | 23487 | 15.32 | ng | | 95 |
| 70) Phenanthrene | 17.53 | 178 | 325935 | 24.91 | ng | | 98 |
| 71) Anthracene | 17.63 | 178 | 332542 | 25.04 | ng | | 99 |
| 72) Carbazole | 17.90 | 167 | 309333 | 24.96 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.43 | 149 | 406818 | 25.80 | ng | # | 99 |
| 74) Fluoranthene | 19.54 | 202 | 377379 | 24.16 | ng | | 97 |
| 76) Benzidine | 19.72 | 184 | 176266 | 23.33 | ng | | 97 |
| 77) Pyrene | 19.90 | 202 | 376494 | 26.90 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.76 | 149 | 173318 | 26.68 | ng | | 90 |
| 80) Benzo(a)anthracene | 21.74 | 228 | 338846 | 24.26 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 21.66 | 252 | 94004 | 8.50 | ng | | 99 |
| 82) Chrysene | 21.82 | 228 | 328983 | 24.52 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.62 | 149 | 258579 | 27.21 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.86 | 149 | 436904 | 27.45 | ng | # | 85 |
| 85) Indeno(1,2,3-cd)pyrene | 28.84 | 276 | 371806 | 23.31 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 24.01 | 252 | 331488 | 24.59 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 24.08 | 252 | 337134 | 25.58 | ng | # | 96 |
| 89) Benzo(a)pyrene | 24.91 | 252 | 324781 | 24.87 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 28.90 | 278 | 304094 | 23.23 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 30.02 | 276 | 314962 | 24.51 | ng | # | 94 |

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

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