Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022716\
Data File : BG021129.D
Acq On : 28 Feb 2016 00:16
Operator : UM/SJ
Sample : PB88567BS
Misc :
ALS Vial : 49 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB88567BS

**Manual Integrations APPROVED**
Sohil
2/29/2016 12:39:04 PM

Quant Time: Feb 29 03:00:48 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 26 16:39:44 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.17 | 152 | 6838 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.98 | 136 | 32748 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.77 | 164 | 21355 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.51 | 188 | 53501 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 21.77 | 240 | 60333 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 25.05 | 264 | 54237 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.72 | 112 | 57517 | 147.26 | ng | | 0.00 |
| 7) Phenol-d6 | 7.32 | 99 | 89366 | 153.76 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.33 | 82 | 61926 | 90.10 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.25 | 330 | 31716 | 113.28 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 13.40 | 172 | 125672 | 75.31 | ng | | -0.01 |
| 78) Terphenyl-d14 | 20.10 | 244 | 225367 | 87.30 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.61 | 88 | 6304 | 34.85 | ng | # | 86 |
| 3) Pyridine | 4.01 | 79 | 19341 | 36.56 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.93 | 42 | 10479 | 39.07 | ng | | 96 |
| 6) Aniline | 7.49 | 93 | 17225 | 23.96 | ng | # | 88 |
| 8) 2-Chlorophenol | 7.73 | 128 | 22044 | 45.25 | ng | | 89 |
| 9) Benzaldehyde | 7.30 | 77 | 3663 | 11.64 | ng | | 84 |
| 10) Phenol | 7.34 | 94 | 31660 | 53.17 | ng | | 79 |
| 11) bis(2-Chloroethyl)ether | 7.58 | 93 | 20230 | 44.33 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 8.06 | 146 | 20309 | 39.17 | ng | # | 90 |
| 13) 1,4-Dichlorobenzene | 8.20 | 146 | 20701 | 37.38 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.52 | 146 | 20844 | 39.75 | ng | | 95 |
| 15) Benzyl Alcohol | 8.40 | 79 | 25625 | 50.47 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.70 | 45 | 30577 | 58.43 | ng | | 90 |
| 17) 2-Methylphenol | 8.60 | 107 | 21096 | 50.20 | ng | # | 86 |
| 18) Hexachloroethane | 9.25 | 117 | 8581 | 40.96 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.97 | 70 | 22019 | 49.11 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.93 | 107 | 30077 | 51.62 | ng | | 91 |
| 22) Acetophenone | 8.98 | 105 | 34667 | 38.35 | ng | # | 92 |
| 24) Nitrobenzene | 9.37 | 77 | 31909 | 44.94 | ng | # | 86 |
| 25) Isophorone | 9.89 | 82 | 58553 | 45.45 | ng | # | 94 |
| 26) 2-Nitrophenol | 10.08 | 139 | 11620 | 38.71 | ng | # | 60 |
| 27) 2,4-Dimethylphenol | 10.13 | 122 | 24505 | 46.28 | ng | | 89 |
| 28) bis(2-Chloroethoxy)methane | 10.37 | 93 | 30056 | 47.87 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.61 | 162 | 22611 | 43.62 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.83 | 180 | 20991 | 35.73 | ng | | 95 |
| 31) Naphthalene | 11.03 | 128 | 67964 | 40.40 | ng | | 99 |
| 32) Benzoic acid | 10.25 | 122 | 18272 | 37.58 | ng | # | 75 |
| 33) 4-Chloroaniline | 11.13 | 127 | 6758 | 9.62 | ng | # | 87 |
| 34) Hexachlorobutadiene | 11.30 | 225 | 12891 | 32.79 | ng | | 95 |
| 35) Caprolactam | 11.90 | 113 | 9208m | 52.57 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.23 | 107 | 30290 | 47.67 | ng | | 86 |
| 37) 2-Methylnaphthalene | 12.62 | 142 | 50054 | 42.37 | ng | # | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.98 | 216 | 25388 | 32.17 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 12.96 | 237 | 35925 | 69.23 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.21 | 196 | 21098 | 42.63 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.28 | 196 | 22684 | 44.61 | ng | | 92 |
| 45) 1,1'-Biphenyl | 13.61 | 154 | 67978 | 37.80 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.66 | 162 | 52392 | 38.40 | ng | | 95 |
| 47) 2-Nitroaniline | 13.85 | 65 | 24667 | 55.79 | ng | # | 74 |
| 48) Acenaphthylene | 14.50 | 152 | 88590 | 41.04 | ng | | 98 |
| 49) Dimethylphthalate | 14.22 | 163 | 76612 | 41.63 | ng | # | 99 |
| 50) 2,6-Dinitrotoluene | 14.34 | 165 | 16827 | 44.44 | ng | # | 67 |
| 51) Acenaphthene | 14.84 | 154 | 54594 | 37.07 | ng | | 99 |
| 52) 3-Nitroaniline | 14.67 | 138 | 7008 | 19.02 | ng | # | 61 |
| 53) 2,4-Dinitrophenol | 14.87 | 184 | 22334 | 84.60 | ng | # | 78 |
| 54) Dibenzofuran | 15.17 | 168 | 85442 | 45.80 | ng | | 93 |
| 55) 4-Nitrophenol | 14.97 | 139 | 32966 | 100.88 | ng | # | 60 |
| 56) 2,4-Dinitrotoluene | 15.12 | 165 | 24661 | 45.42 | ng | # | 77 |
| 57) Fluorene | 15.82 | 166 | 76933 | 42.39 | ng | | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.39 | 232 | 19868 | 44.96 | ng | # | 95 |
| 59) Diethylphthalate | 15.58 | 149 | 85263 | 43.95 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.81 | 204 | 38014 | 38.08 | ng | | 97 |
| 61) 4-Nitroaniline | 15.83 | 138 | 19896 | 47.42 | ng | # | 52 |
| 62) Azobenzene | 16.09 | 77 | 95465 | 56.80 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 15.88 | 198 | 15533 | 39.58 | ng | | 92 |
| 65) n-Nitrosodiphenylamine | 16.02 | 169 | 69552 | 44.06 | ng | | 93 |
| 66) 4-Bromophenyl-phenylether | 16.70 | 248 | 23738 | 37.69 | ng | # | 90 |
| 67) Hexachlorobenzene | 16.81 | 284 | 23300 | 35.06 | ng | # | 89 |
| 68) Atrazine | 16.96 | 200 | 27615 | 47.22 | ng | | 98 |
| 69) Pentachlorophenol | 17.15 | 266 | 34192 | 76.22 | ng | | 90 |
| 70) Phenanthrene | 17.55 | 178 | 125326 | 43.54 | ng | | 100 |
| 71) Anthracene | 17.64 | 178 | 126665 | 43.69 | ng | | 99 |
| 72) Carbazole | 17.91 | 167 | 118734 | 47.44 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.46 | 149 | 156792 | 47.52 | ng | # | 97 |
| 74) Fluoranthene | 19.54 | 202 | 153940 | 42.63 | ng | | 98 |
| 76) Benzidine | 19.72 | 184 | 31975 | 20.14 | ng | | 100 |
| 77) Pyrene | 19.91 | 202 | 160448 | 48.03 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.78 | 149 | 72892 | 52.28 | ng | | 90 |
| 80) Benzo(a)anthracene | 21.75 | 228 | 153745 | 44.29 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.66 | 252 | 18392 | 13.54 | ng | | 96 |
| 82) Chrysene | 21.82 | 228 | 138714 | 41.49 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.65 | 149 | 103138 | 47.90 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.89 | 149 | 180481 | 50.02 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 28.81 | 276 | 159439 | 39.55 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.01 | 252 | 150869 | 44.50 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 24.08 | 252 | 146865 | 43.95 | ng | | 98 |
| 89) Benzo(a)pyrene | 24.90 | 252 | 144564 | 44.42 | ng | | 96 |
| 90) Dibenzo(a,h)anthracene | 28.87 | 278 | 138227 | 42.13 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 29.98 | 276 | 131258 | 41.54 | ng | | 96 |

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

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