Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042115\
Data File : BG016596.D
Acq On : 21 Apr 2015 22:42
Operator : TP/IZ
Sample : PB82885BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB82885BS

**Manual Integrations APPROVED**
apatel
4/22/2015 5:21:09 PM

Quant Time: Apr 22 04:54:56 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 22 02:10:07 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.64 | 152 | 55803 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.42 | 136 | 234419 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.28 | 164 | 126778 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.02 | 188 | 279783 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.21 | 240 | 305838 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 23.42 | 264 | 291519 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.23 | 112 | 458354 | 131.64 | ng | 0.00 |
| 7) Phenol-d6 | 6.83 | 99 | 619434 | 127.34 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.79 | 82 | 314748 | 82.67 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.78 | 330 | 118130 | 137.19 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 12.90 | 172 | 670561 | 87.60 | ng | 0.00 |
| 78) Terphenyl-d14 | 19.66 | 244 | 998411 | 78.65 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.10 | 88 | 55579 | 35.50 | ng | 94 |
| 3) Pyridine | 3.49 | 79 | 148676 | 34.33 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.42 | 42 | 49560 | 38.22 | ng | 99 |
| 6) Aniline | 6.97 | 93 | 165628 | 24.65 | ng | 98 |
| 8) 2-Chlorophenol | 7.21 | 128 | 173734 | 41.80 | ng | 97 |
| 9) Benzaldehyde | 6.78 | 77 | 14464 | 6.53 | ng | 94 |
| 10) Phenol | 6.85 | 94 | 217784 | 42.33 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 7.07 | 93 | 155976 | 38.72 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 7.52 | 146 | 169764 | 39.12 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 7.67 | 146 | 170358 | 38.56 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.98 | 146 | 162321 | 38.62 | ng | 99 |
| 15) Benzyl Alcohol | 7.88 | 79 | 120857 | 39.04 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.18 | 45 | 154292 | 39.55 | ng | 97 |
| 17) 2-Methylphenol | 8.09 | 107 | 141573 | 40.83 | ng | 99 |
| 18) Hexachloroethane | 8.70 | 117 | 62469 | 39.38 | ng | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.44 | 70 | 107949 | 34.32 | ng | 97 |
| 20) 3+4-Methylphenols | 8.42 | 107 | 189703 | 39.72 | ng | 99 |
| 22) Acetophenone | 8.46 | 105 | 214425 | 41.07 | ng | 98 |
| 24) Nitrobenzene | 8.83 | 77 | 159273 | 40.20 | ng | 98 |
| 25) Isophorone | 9.35 | 82 | 290084 | 37.22 | ng | 99 |
| 26) 2-Nitrophenol | 9.54 | 139 | 89350 | 40.84 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.62 | 122 | 161748 | 43.48 | ng | 97 |
| 28) bis(2-Chloroethoxy)methane | 9.84 | 93 | 187211 | 40.06 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.08 | 162 | 137982 | 44.86 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.28 | 180 | 134070 | 40.99 | ng | 97 |
| 31) Naphthalene | 10.47 | 128 | 486532 | 39.76 | ng | 99 |
| 32) Benzoic acid | 9.77 | 122 | 29520 | 28.60 | ng | 98 |
| 33) 4-Chloroaniline | 10.59 | 127 | 104556 | 18.68 | ng | 97 |
| 34) Hexachlorobutadiene | 10.76 | 225 | 58255 | 40.08 | ng | 99 |
| 35) Caprolactam | 11.35 | 113 | 67739m | 38.03 | ng | |
| 36) 4-Chloro-3-methylphenol | 11.73 | 107 | 155418 | 41.84 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.09 | 142 | 349589 | 39.90 | ng | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216 | 121623 | 41.70 | ng | 99 |
| 40) Hexachlorocyclopentadiene | 12.44 | 237 | 98218 | 78.41 | ng | 97 |

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|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.71 | 196 | 89938 | 43.55 | ng | 97 |
| 43) 2,4,5-Trichlorophenol | 12.79 | 196 | 98165 | 44.58 | ng | 97 |
| 45) 1,1'-Biphenyl | 13.11 | 154 | 419259 | 42.94 | ng | 99 |
| 46) 2-Chloronaphthalene | 13.15 | 162 | 316434 | 42.32 | ng | 99 |
| 47) 2-Nitroaniline | 13.37 | 65 | 92283 | 42.31 | ng | 98 |
| 48) Acenaphthylene | 14.00 | 152 | 547545 | 41.25 | ng | 100 |
| 49) Dimethylphthalate | 13.75 | 163 | 386190 | 41.19 | ng | 99 |
| 50) 2,6-Dinitrotoluene | 13.87 | 165 | 96766 | 42.03 | ng | 99 |
| 51) Acenaphthene | 14.34 | 154 | 326486 | 41.22 | ng | 99 |
| 52) 3-Nitroaniline | 14.20 | 138 | 75381 | 26.51 | ng | 100 |
| 53) 2,4-Dinitrophenol | 14.41 | 184 | 90273 | 84.06 | ng | 97 |
| 54) Dibenzofuran | 14.68 | 168 | 475726 | 42.66 | ng | 100 |
| 55) 4-Nitrophenol | 14.53 | 139 | 211762 | 98.40 | ng | 98 |
| 56) 2,4-Dinitrotoluene | 14.66 | 165 | 140364 | 44.31 | ng | 98 |
| 57) Fluorene | 15.33 | 166 | 411256 | 41.85 | ng | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.91 | 232 | 73063 | 43.97 | ng | 99 |
| 59) Diethylphthalate | 15.11 | 149 | 408424 | 40.89 | ng | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.33 | 204 | 165199 | 40.95 | ng | 98 |
| 61) 4-Nitroaniline | 15.36 | 138 | 136090 | 41.77 | ng | 96 |
| 62) Azobenzene | 15.62 | 77 | 403703 | 43.55 | ng | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.43 | 198 | 75836 | 40.12 | ng | 93 |
| 65) n-Nitrosodiphenylamine | 15.54 | 169 | 371771 | 39.63 | ng | 98 |
| 66) 4-Bromophenyl-phenylether | 16.22 | 248 | 88501 | 40.18 | ng | 98 |
| 67) Hexachlorobenzene | 16.34 | 284 | 92203 | 40.08 | ng | 90 |
| 68) Atrazine | 16.50 | 200 | 120159 | 45.82 | ng | 96 |
| 69) Pentachlorophenol | 16.68 | 266 | 97009 | 81.32 | ng | 99 |
| 70) Phenanthrene | 17.07 | 178 | 663782 | 41.68 | ng | 99 |
| 71) Anthracene | 17.16 | 178 | 672955 | 42.52 | ng | 99 |
| 72) Carbazole | 17.43 | 167 | 752366 | 46.59 | ng | 99 |
| 73) Di-n-butylphthalate | 17.99 | 149 | 896390 | 45.61 | ng | 100 |
| 74) Fluoranthene | 19.09 | 202 | 797587 | 46.49 | ng | 99 |
| 76) Benzidine | 19.27 | 184 | 404051 | 35.73 | ng | 99 |
| 77) Pyrene | 19.45 | 202 | 845735 | 41.17 | ng | 99 |
| 79) Butylbenzylphthalate | 20.35 | 149 | 465867 | 43.32 | ng | 100 |
| 80) Benzo(a)anthracene | 21.19 | 228 | 761136 | 41.27 | ng | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.13 | 252 | 200108 | 32.77 | ng | 96 |
| 82) Chrysene | 21.24 | 228 | 719975 | 40.66 | ng | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.12 | 149 | 633378 | 42.91 | ng | 99 |
| 84) Di-n-octyl phthalate | 21.99 | 149 | 1056828 | 43.11 | ng | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 25.68 | 276 | 797811 | 41.06 | ng | 99 |
| 87) Benzo(b)fluoranthene | 22.76 | 252 | 750267 | 43.13 | ng | 99 |
| 88) Benzo(k)fluoranthene | 22.80 | 252 | 689110 | 40.39 | ng | 98 |
| 89) Benzo(a)pyrene | 23.33 | 252 | 707759 | 42.85 | ng | 99 |
| 90) Dibenzo(a,h)anthracene | 25.69 | 278 | 664481 | 41.40 | ng | 97 |
| 91) Benzo(g,h,i)perylene | 26.38 | 276 | 676964 | 41.81 | ng | 99 |

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

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