Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110116\
Data File : BG024596.D
Acq On : 1 Nov 2016 17:14
Operator : UM/SJ
Sample : PB94460BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB94460BS

**Manual Integrations APPROVED**
Umangi
11/2/2016 5:43:51 PM

Quant Time: Nov 02 03:55:18 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 26 11:14:13 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.27 | 152 | 125736 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.10 | 136 | 499335 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.89 | 164 | 373923 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.63 | 188 | 813783 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.92 | 240 | 1050633 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.35 | 264 | 1135145 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.80 | 112 | 1002272 | 130.65 | ng | | 0.00 |
| 7) Phenol-d6 | 7.41 | 99 | 1389639 | 132.05 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.44 | 82 | 953101 | 86.90 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.37 | 330 | 738713 | 132.24 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.51 | 172 | 1931516 | 85.86 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.21 | 244 | 3060416 | 87.04 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.66 | 88 | 113611 | 36.25 | ng | | 93 |
| 3) Pyridine | 4.07 | 79 | 364091 | 38.80 | ng | # | 84 |
| 4) n-Nitrosodimethylamine | 3.99 | 42 | 194064 | 39.95 | ng | # | 76 |
| 6) Aniline | 7.59 | 93 | 371778 | 27.89 | ng | | 98 |
| 8) 2-Chlorophenol | 7.83 | 128 | 364376 | 46.72 | ng | | 96 |
| 9) Benzaldehyde | 7.40 | 77 | 67005 | 10.30 | ng | | 95 |
| 10) Phenol | 7.44 | 94 | 535592 | 49.37 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.68 | 93 | 372742 | 45.74 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 8.16 | 146 | 416234 | 43.11 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.31 | 146 | 429236 | 45.01 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.63 | 146 | 398797 | 43.49 | ng | | 95 |
| 15) Benzyl Alcohol | 8.50 | 79 | 441354 | 45.09 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.80 | 45 | 614165 | 40.62 | ng | | 92 |
| 17) 2-Methylphenol | 8.70 | 107 | 344110 | 47.87 | ng | | 96 |
| 18) Hexachloroethane | 9.36 | 117 | 164961 | 44.99 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 9.07 | 70 | 346648 | 44.70 | ng | | 88 |
| 20) 3+4-Methylphenols | 9.02 | 107 | 466020 | 48.29 | ng | | 96 |
| 22) Acetophenone | 9.10 | 105 | 579642 | 45.19 | ng | # | 90 |
| 24) Nitrobenzene | 9.49 | 77 | 534546 | 43.81 | ng | | 98 |
| 25) Isophorone | 10.00 | 82 | 927582 | 45.47 | ng | | 99 |
| 26) 2-Nitrophenol | 10.20 | 139 | 208504 | 46.04 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.24 | 122 | 392326 | 49.49 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.48 | 93 | 500861 | 47.45 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.73 | 162 | 410922 | 49.38 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.95 | 180 | 443315 | 44.91 | ng | | 98 |
| 31) Naphthalene | 11.15 | 128 | 1094350 | 43.94 | ng | | 99 |
| 32) Benzoic acid | 10.36 | 122 | 192189 | 29.11 | ng | | 89 |
| 33) 4-Chloroaniline | 11.25 | 127 | 193152 | 17.86 | ng | # | 88 |
| 34) Hexachlorobutadiene | 11.42 | 225 | 344875 | 44.64 | ng | | 97 |
| 35) Caprolactam | 12.02 | 113 | 135814m | 44.58 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.34 | 107 | 456955 | 45.49 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.73 | 142 | 804517 | 44.27 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.09 | 216 | 564015 | 44.72 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 13.06 | 237 | 773827 | 108.96 | ng | | 93 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.32 | 196 | 358419 | 47.28 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 13.40 | 196 | 382452 | 46.66 | ng | | 96 |
| 45) 1,1'-Biphenyl | 13.72 | 154 | 1105786 | 42.62 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.77 | 162 | 900975 | 45.60 | ng | | 98 |
| 47) 2-Nitroaniline | 13.97 | 65 | 357979 | 44.25 | ng | | 95 |
| 48) Acenaphthylene | 14.61 | 152 | 1330722 | 43.92 | ng | | 98 |
| 49) Dimethylphthalate | 14.32 | 163 | 1176539 | 44.32 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.45 | 165 | 271865 | 47.97 | ng | | 87 |
| 51) Acenaphthene | 14.95 | 154 | 891400 | 39.46 | ng | | 99 |
| 52) 3-Nitroaniline | 14.79 | 138 | 147701 | 25.19 | ng | | 86 |
| 53) 2,4-Dinitrophenol | 14.99 | 184 | 289371 | 70.46 | ng | | 94 |
| 54) Dibenzofuran | 15.28 | 168 | 1415007 | 45.31 | ng | | 99 |
| 55) 4-Nitrophenol | 15.08 | 139 | 446862 | 87.46 | ng | # | 80 |
| 56) 2,4-Dinitrotoluene | 15.24 | 165 | 398405 | 48.38 | ng | # | 87 |
| 57) Fluorene | 15.93 | 166 | 1142703 | 44.13 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.50 | 232 | 401824 | 47.29 | ng | # | 92 |
| 59) Diethylphthalate | 15.68 | 149 | 1193818 | 42.90 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.91 | 204 | 654352 | 45.03 | ng | | 99 |
| 61) 4-Nitroaniline | 15.95 | 138 | 257356 | 40.17 | ng | | 96 |
| 62) Azobenzene | 16.20 | 77 | 1252892 | 45.14 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.99 | 198 | 238933 | 42.62 | ng | | 91 |
| 65) n-Nitrosodiphenylamine | 16.13 | 169 | 1059440 | 47.62 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.80 | 248 | 461203 | 46.69 | ng | | 91 |
| 67) Hexachlorobenzene | 16.92 | 284 | 520856 | 47.72 | ng | # | 89 |
| 68) Atrazine | 17.06 | 200 | 466519 | 48.89 | ng | | 97 |
| 69) Pentachlorophenol | 17.27 | 266 | 621036 | 86.22 | ng | | 98 |
| 70) Phenanthrene | 17.67 | 178 | 1873849 | 45.18 | ng | | 99 |
| 71) Anthracene | 17.76 | 178 | 1940492 | 46.37 | ng | | 99 |
| 72) Carbazole | 18.03 | 167 | 1718672 | 45.03 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.55 | 149 | 1948917 | 44.29 | ng | | 98 |
| 74) Fluoranthene | 19.66 | 202 | 2354071 | 44.89 | ng | | 99 |
| 76) Benzidine | 19.84 | 184 | 1039344 | 41.99 | ng | | 97 |
| 77) Pyrene | 20.02 | 202 | 2355803 | 45.87 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.88 | 149 | 1014376 | 47.37 | ng | | 98 |
| 80) Benzo(a)anthracene | 21.90 | 228 | 2640406 | 45.75 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 21.81 | 252 | 660503 | 28.37 | ng | | 97 |
| 82) Chrysene | 21.97 | 228 | 2475103 | 45.03 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.76 | 149 | 1396528 | 45.59 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 23.04 | 149 | 2422153 | 47.65 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 29.30 | 276 | 3505692 | 46.20 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 24.25 | 252 | 2805202 | 45.72 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 24.32 | 252 | 2699153 | 45.55 | ng | | 98 |
| 89) Benzo(a)pyrene | 25.19 | 252 | 2756836 | 45.98 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 29.36 | 278 | 2923281 | 44.42 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 30.54 | 276 | 2918090 | 44.39 | ng | | 98 |

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

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