Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071516\
Data File : BG023122.D
Acq On : 15 Jul 2016 20:51
Operator : UM/SJ
Sample : H4018-04MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** D8-B3(6-12)CMSD

Quant Time: Jul 16 01:09:43 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 12 18:30:58 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.15 | 152 | 107227 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.98 | 136 | 509718 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.80 | 164 | 385464 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.55 | 188 | 890745 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.86 | 240 | 939873 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.23 | 264 | 953031 | 20.00 | ng | | 0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.70 | 112 | 1035550 | 157.95 | ng | | 0.00 |
| 7) Phenol-d6 | 7.31 | 99 | 1622137 | 157.97 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.33 | 82 | 1196840 | 100.54 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.30 | 330 | 834619 | 120.48 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.42 | 172 | 2251461 | 92.00 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.15 | 244 | 3008567 | 117.73 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.57 | 88 | 89664 | 35.19 | ng | | 90 |
| 3) Pyridine | 3.97 | 79 | 297161 | 34.08 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.88 | 42 | 172156 | 46.02 | ng | # | 96 |
| 6) Aniline | 7.47 | 93 | 484383 | 34.04 | ng | | 99 |
| 8) 2-Chlorophenol | 7.72 | 128 | 361145 | 51.76 | ng | | 98 |
| 9) Benzaldehyde | 7.28 | 77 | 182502 | 26.60 | ng | | 93 |
| 10) Phenol | 7.34 | 94 | 590656 | 55.91 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.56 | 93 | 389024 | 46.46 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 8.04 | 146 | 367018 | 42.97 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.19 | 146 | 370388 | 43.32 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.51 | 146 | 368148 | 43.31 | ng | | 96 |
| 15) Benzyl Alcohol | 8.40 | 79 | 503743 | 53.56 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.68 | 45 | 483702 | 47.29 | ng | | 96 |
| 17) 2-Methylphenol | 8.60 | 107 | 363517 | 52.85 | ng | | 96 |
| 18) Hexachloroethane | 9.25 | 117 | 154534 | 42.82 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 8.96 | 70 | 424188 | 45.82 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.93 | 107 | 510361 | 53.21 | ng | | 96 |
| 22) Acetophenone | 8.98 | 105 | 672237 | 43.94 | ng | # | 95 |
| 24) Nitrobenzene | 9.37 | 77 | 602054 | 47.60 | ng | | 93 |
| 25) Isophorone | 9.89 | 82 | 1088749 | 45.47 | ng | | 97 |
| 26) 2-Nitrophenol | 10.09 | 139 | 234098 | 47.17 | ng | | 88 |
| 27) 2,4-Dimethylphenol | 10.14 | 122 | 385043 | 44.88 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.37 | 93 | 611203 | 45.77 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.63 | 162 | 456529 | 49.89 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.84 | 180 | 463233 | 44.18 | ng | | 97 |
| 31) Naphthalene | 11.03 | 128 | 1175608 | 45.31 | ng | | 99 |
| 32) Benzoic acid | 10.26 | 122 | 152881 | 19.59 | ng | | 91 |
| 33) 4-Chloroaniline | 11.14 | 127 | 251673 | 19.83 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.31 | 225 | 339694 | 39.96 | ng | | 97 |
| 35) Caprolactam | 11.92 | 113 | 152270m | 40.45 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.26 | 107 | 574657 | 45.92 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 949958 | 46.32 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 611680 | 36.82 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.97 | 237 | 737962 | 77.17 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.24 | 196 | 437631 | 45.84 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 13.31 | 196 | 464119 | 47.34 | ng | | 94 |
| 45) 1,1'-Biphenyl | 13.63 | 154 | 1283098 | 44.36 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.68 | 162 | 1105660 | 47.13 | ng | | 95 |
| 47) 2-Nitroaniline | 13.88 | 65 | 465315 | 46.48 | ng | | 92 |
| 48) Acenaphthylene | 14.52 | 152 | 1585084 | 45.04 | ng | | 97 |
| 49) Dimethylphthalate | 14.25 | 163 | 2099939 | 66.69 | ng | | 96 |
| 50) 2,6-Dinitrotoluene | 14.38 | 165 | 334021 | 47.20 | ng | | 87 |
| 51) Acenaphthene | 14.86 | 154 | 1048502 | 45.59 | ng | | 97 |
| 52) 3-Nitroaniline | 14.71 | 138 | 237906 | 33.72 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 14.91 | 184 | 338384 | 69.69 | ng | | 97 |
| 54) Dibenzofuran | 15.20 | 168 | 1678957 | 48.77 | ng | | 99 |
| 55) 4-Nitrophenol | 15.02 | 139 | 517193 | 87.44 | ng | | 96 |
| 56) 2,4-Dinitrotoluene | 15.16 | 165 | 479670 | 46.50 | ng | # | 98 |
| 57) Fluorene | 15.85 | 166 | 1353992 | 45.70 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.43 | 232 | 467902 | 47.70 | ng | | 98 |
| 59) Diethylphthalate | 15.60 | 149 | 1467750 | 45.81 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 15.83 | 204 | 784940 | 43.50 | ng | | 97 |
| 61) 4-Nitroaniline | 15.87 | 138 | 323305 | 42.34 | ng | # | 86 |
| 62) Azobenzene | 16.13 | 77 | 1627083 | 53.10 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.93 | 198 | 287377 | 43.41 | ng | | 99 |
| 65) n-Nitrosodiphenylamine | 16.05 | 169 | 1247760 | 48.62 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.73 | 248 | 520567 | 44.92 | ng | | 97 |
| 67) Hexachlorobenzene | 16.85 | 284 | 555527 | 44.09 | ng | | 98 |
| 68) Atrazine | 17.00 | 200 | 535125 | 47.01 | ng | | 98 |
| 69) Pentachlorophenol | 17.20 | 266 | 701175 | 85.93 | ng | | 98 |
| 70) Phenanthrene | 17.60 | 178 | 2058529 | 47.16 | ng | | 95 |
| 71) Anthracene | 17.69 | 178 | 2087524 | 47.23 | ng | | 96 |
| 72) Carbazole | 17.96 | 167 | 1865267 | 48.84 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.49 | 149 | 2156456 | 50.77 | ng | | 98 |
| 74) Fluoranthene | 19.60 | 202 | 2396774 | 44.74 | ng | | 98 |
| 76) Benzidine | 19.78 | 184 | 1036488 | 38.47 | ng | | 99 |
| 77) Pyrene | 19.96 | 202 | 2398699 | 45.42 | ng | | 97 |
| 79) Butylbenzylphthalate | 20.83 | 149 | 1106495 | 52.89 | ng | | 98 |
| 80) Benzo(a)anthracene | 21.84 | 228 | 2496152 | 47.47 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.75 | 252 | 715433 | 31.00 | ng | | 98 |
| 82) Chrysene | 21.91 | 228 | 2299183 | 46.61 | ng | | 94 |
| 83) Bis(2-ethylhexyl)phthalate | 21.71 | 149 | 1510448 | 52.00 | ng | | 100 |
| 84) Di-n-octyl phthalate | 22.98 | 149 | 2496945 | 51.54 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 29.10 | 276 | 2849273 | 45.30 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.16 | 252 | 2686199 | 48.85 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 24.23 | 252 | 2529730 | 48.48 | ng | # | 97 |
| 89) Benzo(a)pyrene | 25.08 | 252 | 2574132 | 48.84 | ng | # | 98 |
| 90) Dibenzo(a,h)anthracene | 29.17 | 278 | 2340624 | 44.74 | ng | # | 97 |
| 91) Benzo(g,h,i)perylene | 30.30 | 276 | 2251029 | 42.97 | ng | # | 97 |

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

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