Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040825.D
Acq On : 9 May 2019 21:03
Operator : HP/JU
Sample : PB119594BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB119594BS

Quant Time: May 10 06:23:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:35:33 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.14 | 152 | 48567 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.96 | 136 | 200385 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.77 | 164 | 146801 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.51 | 188 | 415633 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.80 | 240 | 422626 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 25.15 | 264 | 426480 | 20.00 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.67 | 112 | 369506 | 134.11 | ng | | -0.01 |
| 7) Phenol-d6 | 7.28 | 99 | 545695 | 128.64 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.32 | 82 | 376212 | 86.75 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.26 | 330 | 307203 | 152.25 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 13.40 | 172 | 850897 | 83.71 | ng | | -0.02 |
| 79) Terphenyl-d14 | 20.11 | 244 | 1698467 | 89.03 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.54 | 88 | 42828 | 34.180 | ng | | 93 |
| 3) Pyridine | 3.95 | 79 | 123801 | 34.088 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.87 | 42 | 70435 | 34.964 | ng | | 96 |
| 6) Aniline | 7.46 | 93 | 179027 | 31.840 | ng | | 98 |
| 8) 2-Chlorophenol | 7.70 | 128 | 135176 | 40.181 | ng | | 99 |
| 9) Benzaldehyde | 7.28 | 77 | 75076 | 26.524 | ng | | 96 |
| 10) Phenol | 7.31 | 94 | 189250 | 41.501 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.56 | 93 | 124539 | 36.420 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 8.03 | 146 | 139064 | 37.872 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.18 | 146 | 140571 | 37.764 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.50 | 146 | 139283 | 38.800 | ng | | 98 |
| 15) Benzyl Alcohol | 8.38 | 79 | 156493 | 35.454 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.66 | 45 | 213649 | 31.381 | ng | | 97 |
| 17) 2-Methylphenol | 8.57 | 107 | 128890 | 39.939 | ng | | 93 |
| 18) Hexachloroethane | 9.23 | 117 | 55133 | 36.107 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.95 | 70 | 121818 | 31.900 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.90 | 107 | 181394 | 40.349 | ng | | 98 |
| 22) Acetophenone | 8.97 | 105 | 227166 | 40.768 | ng | # | 96 |
| 24) Nitrobenzene | 9.36 | 77 | 189787 | 41.017 | ng | | 95 |
| 25) Isophorone | 9.88 | 82 | 351361 | 36.372 | ng | | 99 |
| 26) 2-Nitrophenol | 10.07 | 139 | 78222 | 47.161 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.11 | 122 | 145939 | 46.896 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.36 | 93 | 180429 | 37.227 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.60 | 162 | 158570 | 44.820 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.82 | 180 | 169368 | 43.169 | ng | | 96 |
| 31) Naphthalene | 11.02 | 128 | 423270 | 39.759 | ng | | 99 |
| 32) Benzoic acid | 10.22 | 122 | 72217 | 33.898 | ng | | 84 |
| 33) 4-Chloroaniline | 11.12 | 127 | 142196 | 30.126 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.28 | 225 | 120666 | 41.659 | ng | | 98 |
| 35) Caprolactam | 11.91 | 113 | 57903 | 41.454 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 12.22 | 107 | 197902 | 44.341 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.61 | 142 | 326683 | 41.042 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.83 | 142 | 312826 | 40.208 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.97 | 216 | 229584 | 41.981 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.94 | 237 | 280028 | 86.777 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.20 | 196 | 159245 | 48.186 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.27 | 196 | 177970 | 49.435 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.61 | 154 | 444724 | 39.019 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.65 | 162 | 374624 | 41.999 | ng | | 97 |
| 48) 2-Nitroaniline | 13.86 | 65 | 155453 | 48.960 | ng | | 90 |
| 49) Acenaphthylene | 14.50 | 152 | 604240 | 39.927 | ng | | 99 |
| 50) Dimethylphthalate | 14.22 | 163 | 521803 | 42.483 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.35 | 165 | 117169 | 48.878 | ng | | 92 |
| 52) Acenaphthene | 14.84 | 154 | 350141 | 39.729 | ng | | 96 |
| 53) 3-Nitroaniline | 14.68 | 138 | 101815 | 41.453 | ng | # | 92 |
| 54) 2,4-Dinitrophenol | 14.88 | 184 | 64470 | 50.519 | ng | | 90 |
| 55) Dibenzofuran | 15.17 | 168 | 619888 | 42.942 | ng | | 99 |
| 56) 4-Nitrophenol | 14.96 | 139 | 179885 | 84.462 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 15.13 | 165 | 174309 | 53.512 | ng | | 93 |
| 58) Fluorene | 15.82 | 166 | 498386 | 42.716 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.39 | 232 | 185414 | 51.170 | ng | | 97 |
| 60) Diethylphthalate | 15.57 | 149 | 549105 | 42.372 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.80 | 204 | 306091 | 45.107 | ng | | 97 |
| 62) 4-Nitroaniline | 15.85 | 138 | 128618 | 46.812 | ng | | 91 |
| 63) Azobenzene | 16.09 | 77 | 526343 | 39.438 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.89 | 198 | 69149 | 35.871 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 16.02 | 169 | 465710 | 38.084 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.70 | 248 | 208149 | 40.197 | ng | | 94 |
| 68) Hexachlorobenzene | 16.81 | 284 | 214230 | 40.011 | ng | | 95 |
| 69) Atrazine | 16.96 | 200 | 204017 | 42.110 | ng | | 96 |
| 70) Pentachlorophenol | 17.15 | 266 | 256256 | 81.788 | ng | | 98 |
| 71) Phenanthrene | 17.56 | 178 | 896552 | 40.048 | ng | | 98 |
| 72) Anthracene | 17.65 | 178 | 921042 | 40.930 | ng | | 99 |
| 73) Carbazole | 17.92 | 167 | 807680 | 39.396 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.45 | 149 | 974188 | 39.369 | ng | | 99 |
| 75) Fluoranthene | 19.56 | 202 | 1190739 | 42.682 | ng | | 99 |
| 77) Benzidine | 19.74 | 184 | 449628 | 38.856 | ng | | 99 |
| 78) Pyrene | 19.92 | 202 | 1162688 | 43.894 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.79 | 149 | 443007 | 42.911 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.78 | 228 | 1133315 | 42.430 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.69 | 252 | 337623 | 35.464 | ng | | 100 |
| 83) Chrysene | 21.85 | 228 | 1126300 | 44.339 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.65 | 149 | 618111 | 41.477 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.90 | 149 | 1047343 | 41.730 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 29.00 | 276 | 1002246 | 32.633 | ng | # | 91 |
| 88) Benzo(b)fluoranthene | 24.08 | 252 | 1110216 | 42.600 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.15 | 252 | 1131454 | 46.487 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.99 | 252 | 1068682 | 43.320 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.08 | 278 | 796744 | 31.915 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 30.22 | 276 | 805495 | 32.420 | ng | | 98 |

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

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