Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
Data File : BG032582.D
Acq On : 7 Feb 2018 3:41
Operator : SJ/JU
Sample : J1458-01MSD
Misc : MDL-W-8 ppm
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01MSD

Manual Integrations APPROVED
Sohil
2/7/2018 4:15:04 PM

Quant Time: Feb 07 05:45:40 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 18:57:08 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.71 | 152 | 18891 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.58 | 136 | 71151 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.34 | 164 | 49450 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 18.07 | 188 | 161673 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.40 | 240 | 200535 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 26.07 | 264 | 245005 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.14 | 112 | 142476 | 151.49 | ng | | 0.00 |
| 7) Phenol-d6 | 7.83 | 99 | 220366 | 175.58 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.90 | 82 | 134685 | 118.23 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.82 | 330 | 184298 | 195.79 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.97 | 172 | 355379 | 85.42 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.62 | 244 | 884201 | 94.45 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.80 | 88 | 14832 | 46.871 | ng | # | 70 |
| 3) Pyridine | 4.26 | 79 | 39363 | 46.068 | ng | # | 78 |
| 4) n-Nitrosodimethylamine | 4.16 | 42 | 22379 | 50.313 | ng | # | 72 |
| 6) Aniline | 8.00 | 93 | 36625 | 23.405 | ng | | 96 |
| 8) 2-Chlorophenol | 8.26 | 128 | 71322 | 64.152 | ng | # | 81 |
| 9) Benzaldehyde | 7.81 | 77 | 14240 | 21.968 | ng | | 95 |
| 10) Phenol | 7.86 | 94 | 83454 | 70.020 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 8.09 | 93 | 50971 | 56.127 | ng | # | 76 |
| 12) 1,3-Dichlorobenzene | 8.59 | 146 | 80434m | 53.498 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.74 | 146 | 69080 | 45.841 | ng | | 89 |
| 14) 1,2-Dichlorobenzene | 9.08 | 146 | 77149 | 52.261 | ng | | 97 |
| 15) Benzyl Alcohol | 8.95 | 79 | 55651 | 53.802 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.23 | 45 | 46735 | 54.310 | ng | | 65 |
| 17) 2-Methylphenol | 9.15 | 107 | 51856 | 53.570 | ng | | 97 |
| 18) Hexachloroethane | 9.83 | 117 | 23226 | 45.906 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 9.52 | 70 | 34622 | 41.605 | ng | # | 83 |
| 20) 3+4-Methylphenols | 9.48 | 107 | 58789 | 43.297 | ng | | 99 |
| 22) Acetophenone | 9.55 | 105 | 77330 | 46.365 | ng | # | 90 |
| 24) Nitrobenzene | 9.95 | 77 | 64682 | 58.721 | ng | # | 85 |
| 25) Isophorone | 10.47 | 82 | 122660 | 63.238 | ng | # | 86 |
| 26) 2-Nitrophenol | 10.67 | 139 | 34564 | 51.908 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 10.72 | 122 | 54137 | 56.645 | ng | | 90 |
| 28) bis(2-Chloroethoxy)methane | 10.96 | 93 | 55923 | 52.577 | ng | # | 95 |
| 29) 2,4-Dichlorophenol | 11.22 | 162 | 65045 | 51.375 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 11.44 | 180 | 72395 | 42.902 | ng | | 96 |
| 31) Naphthalene | 11.64 | 128 | 171165 | 49.255 | ng | | 99 |
| 32) Benzoic acid | 10.77 | 122 | 3859m | 11.875 | ng | | |
| 33) 4-Chloroaniline | 11.74 | 127 | 37815 | 24.398 | ng | # | 91 |
| 34) Hexachlorobutadiene | 11.90 | 225 | 55576 | 42.331 | ng | | 93 |
| 35) Caprolactam | 12.48 | 113 | 16296 | 44.836 | ng | # | 48 |
| 36) 4-Chloro-3-methylphenol | 12.82 | 107 | 58888 | 49.035 | ng | # | 89 |
| 37) 2-Methylnaphthalene | 13.21 | 142 | 141139 | 48.344 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.56 | 216 | 96405 | 41.672 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 13.53 | 237 | 137896 | 95.401 | ng | | 90 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.79 | 196 | 57442 | 45.648 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.79 | 196 | 57442 | 39.159 | ng | | 95 |
| 45) 1,1'-Biphenyl | 14.18 | 154 | 194005 | 46.437 | ng | | 97 |
| 46) 2-Chloronaphthalene | 14.23 | 162 | 149602 | 45.687 | ng | | 97 |
| 47) 2-Nitroaniline | 14.43 | 65 | 31864 | 44.004 | ng | # | 69 |
| 48) Acenaphthylene | 15.07 | 152 | 230591 | 46.582 | ng | | 99 |
| 49) Dimethylphthalate | 14.78 | 163 | 229705 | 50.379 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.90 | 165 | 44358 | 46.352 | ng | # | 75 |
| 51) Acenaphthene | 15.40 | 154 | 161457 | 47.030 | ng | | 97 |
| 52) 3-Nitroaniline | 15.24 | 138 | 26960 | 32.253 | ng | # | 67 |
| 53) 2,4-Dinitrophenol | 15.44 | 184 | 25359 | 44.378 | ng | # | 62 |
| 54) Dibenzofuran | 15.73 | 168 | 241708 | 47.568 | ng | | 100 |
| 55) 4-Nitrophenol | 15.53 | 139 | 67081 | 107.194 | ng | # | 78 |
| 56) 2,4-Dinitrotoluene | 15.68 | 165 | 65653 | 48.183 | ng | # | 71 |
| 57) Fluorene | 16.38 | 166 | 237900 | 56.342 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.95 | 232 | 72904 | 50.390 | ng | # | 87 |
| 59) Diethylphthalate | 16.11 | 149 | 209538 | 47.185 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 16.36 | 204 | 145415 | 54.614 | ng | | 93 |
| 61) 4-Nitroaniline | 16.40 | 138 | 48169 | 53.765 | ng | | 83 |
| 62) Azobenzene | 16.65 | 77 | 153512 | 57.846 | ng | # | 82 |
| 64) 4,6-Dinitro-2-methylphenol | 16.44 | 198 | 49532 | 41.010 | ng | # | 69 |
| 65) n-Nitrosodiphenylamine | 16.57 | 169 | 222524 | 46.120 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 17.25 | 248 | 97655 | 40.772 | ng | | 96 |
| 67) Hexachlorobenzene | 17.38 | 284 | 110399 | 41.651 | ng | # | 87 |
| 68) Atrazine | 17.50 | 200 | 101666 | 49.085 | ng | | 94 |
| 69) Pentachlorophenol | 17.72 | 266 | 124506 | 74.983 | ng | | 93 |
| 70) Phenanthrene | 18.12 | 178 | 414004 | 45.919 | ng | | 99 |
| 71) Anthracene | 18.21 | 178 | 428019 | 47.678 | ng | | 98 |
| 72) Carbazole | 18.47 | 167 | 376006 | 47.404 | ng | | 100 |
| 73) Di-n-butylphthalate | 18.98 | 149 | 432481 | 49.246 | ng | | 99 |
| 74) Fluoranthene | 20.08 | 202 | 552438 | 46.722 | ng | | 94 |
| 76) Benzidine | 20.25 | 184 | 154146 | 39.146 | ng | | 97 |
| 77) Pyrene | 20.44 | 202 | 539400 | 43.855 | ng | | 98 |
| 79) Butylbenzylphthalate | 21.29 | 149 | 192797 | 49.695 | ng | # | 81 |
| 80) Benzo(a)anthracene | 22.38 | 228 | 580235 | 46.672 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 22.27 | 252 | 137199 | 28.484 | ng | # | 96 |
| 82) Chrysene | 22.45 | 228 | 547203 | 45.577 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 22.22 | 149 | 270688 | 49.208 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 23.58 | 149 | 385391 | 44.171 | ng | # | 88 |
| 85) Indeno(1,2,3-cd)pyrene | 30.32 | 276 | 835306 | 54.997 | ng | # | 79 |
| 87) Benzo(b)fluoranthene | 24.89 | 252 | 641082 | 43.305 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 24.97 | 252 | 610181 | 41.608 | ng | # | 97 |
| 89) Benzo(a)pyrene | 25.90 | 252 | 667356 | 47.286 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 30.40 | 278 | 715238 | 49.540 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 31.66 | 276 | 684175 | 47.743 | ng | # | 91 |

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

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