Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091719\
Data File : BG042876.D
Acq On : 17 Sep 2019 20:40
Operator : HP/JU
Sample : K4918-12MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-12MSD

Manual Integrations APPROVED
mohammad
9/18/2019 2:18:42 PM

Quant Time: Sep 18 02:18:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:06:09 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 58065 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.91 | 136 | 245408 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.73 | 164 | 194204 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.47 | 188 | 473036 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.75 | 240 | 368966 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 25.01 | 264 | 388752 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.71 | 112 | 467297 | 139.92 | ng | | 0.02 |
| 7) Phenol-d6 | 7.31 | 99 | 728504 | 151.97 | ng | | 0.04 |
| 23) Nitrobenzene-d5 | 9.27 | 82 | 489713 | 103.89 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.22 | 330 | 427770 | 165.56 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.35 | 172 | 1179101 | 96.11 | ng | | -0.02 |
| 79) Terphenyl-d14 | 20.07 | 244 | 1816418 | 109.11 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.60 | 88 | 46576 | 30.557 | ng | # | 90 |
| 3) Pyridine | 4.05 | 79 | 129449 | 28.207 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.92 | 42 | 107306 | 48.052 | ng | # | 69 |
| 6) Aniline | 7.45 | 93 | 187183 | 28.941 | ng | | 99 |
| 8) 2-Chlorophenol | 7.69 | 128 | 194628 | 53.911 | ng | | 97 |
| 9) Benzaldehyde | 7.26 | 77 | 117881 | 37.788 | ng | | 93 |
| 10) Phenol | 7.33 | 94 | 279925 | 56.939 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 7.54 | 93 | 171731 | 45.516 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 8.00 | 146 | 201010 | 45.649 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.15 | 146 | 208264 | 47.242 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.46 | 146 | 192848 | 45.955 | ng | | 98 |
| 15) Benzyl Alcohol | 8.37 | 79 | 211515 | 51.414 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65 | 45 | 410940 | 49.597 | ng | | 98 |
| 17) 2-Methylphenol | 8.57 | 107 | 178429 | 54.250 | ng | | 96 |
| 18) Hexachloroethane | 9.19 | 117 | 76285 | 46.870 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 8.94 | 70 | 169277 | 47.922 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.90 | 107 | 250465 | 55.244 | ng | | 96 |
| 22) Acetophenone | 8.95 | 105 | 299654 | 48.348 | ng | # | 93 |
| 24) Nitrobenzene | 9.32 | 77 | 261464 | 52.845 | ng | | 99 |
| 25) Isophorone | 9.88 | 82 | 471026 | 47.940 | ng | | 97 |
| 26) 2-Nitrophenol | 10.03 | 139 | 116156 | 59.702 | ng | # | 93 |
| 27) 2,4-Dimethylphenol | 10.10 | 122 | 202399 | 58.810 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93 | 264949 | 48.354 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.57 | 162 | 234945 | 58.746 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.78 | 180 | 254868 | 52.197 | ng | | 99 |
| 31) Naphthalene | 10.97 | 128 | 638106 | 52.664 | ng | | 98 |
| 32) Benzoic acid | 10.30 | 122 | 152726 | 54.013 | ng | | 98 |
| 33) 4-Chloroaniline | 11.08 | 127 | 60021 | 10.598 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.25 | 225 | 182416 | 53.321 | ng | | 98 |
| 35) Caprolactam | 11.98 | 113 | 75859m | 51.007 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.21 | 107 | 253125 | 58.292 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.56 | 142 | 501854 | 55.292 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.78 | 142 | 476430 | 55.966 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 342635 | 53.392 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.91 | 237 | 476202 | 129.532 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.18 | 196 | 233876 | 54.741 | ng | | 95 |
| 44) 2,4,5-Trichlorophenol | 13.25 | 196 | 256164 | 58.536 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.56 | 154 | 715701 | 52.643 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.60 | 162 | 568377 | 50.538 | ng | | 98 |
| 48) 2-Nitroaniline | 13.82 | 65 | 200824 | 51.475 | ng | | 95 |
| 49) Acenaphthylene | 14.45 | 152 | 917304 | 53.373 | ng | | 98 |
| 50) Dimethylphthalate | 14.20 | 163 | 948510 | 65.197 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.30 | 165 | 174982 | 58.617 | ng | | 98 |
| 52) Acenaphthene | 14.79 | 154 | 546577 | 48.680 | ng | | 97 |
| 53) 3-Nitroaniline | 14.64 | 138 | 69401 | 20.715 | ng | # | 94 |
| 54) 2,4-Dinitrophenol | 14.84 | 184 | 224122 | 152.509 | ng | # | 72 |
| 55) Dibenzofuran | 15.13 | 168 | 907624 | 54.384 | ng | | 98 |
| 56) 4-Nitrophenol | 14.97 | 139 | 284860 | 109.966 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 15.09 | 165 | 243041 | 61.081 | ng | # | 98 |
| 58) Fluorene | 15.77 | 166 | 763403 | 55.194 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 266558 | 62.835 | ng | | 97 |
| 60) Diethylphthalate | 15.56 | 149 | 761608 | 51.573 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.77 | 204 | 450060 | 55.033 | ng | | 99 |
| 62) 4-Nitroaniline | 15.80 | 138 | 177195 | 49.067 | ng | # | 82 |
| 63) Azobenzene | 16.06 | 77 | 736160 | 51.767 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.85 | 198 | 161583 | 79.832 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.98 | 169 | 686645 | 53.943 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.66 | 248 | 308206 | 53.831 | ng | | 97 |
| 68) Hexachlorobenzene | 16.78 | 284 | 321566 | 52.562 | ng | | 97 |
| 69) Atrazine | 16.94 | 200 | 263283 | 59.396 | ng | | 100 |
| 70) Pentachlorophenol | 17.12 | 266 | 431615 | 118.926 | ng | | 93 |
| 71) Phenanthrene | 17.51 | 178 | 1194793 | 52.815 | ng | | 99 |
| 72) Anthracene | 17.61 | 178 | 1211582 | 53.607 | ng | | 99 |
| 73) Carbazole | 17.88 | 167 | 1088808 | 50.686 | ng | | 96 |
| 74) Di-n-butylphthalate | 18.44 | 149 | 1193579 | 46.384 | ng | | 100 |
| 75) Fluoranthene | 19.52 | 202 | 1440041 | 49.116 | ng | | 98 |
| 77) Benzidine | 19.70 | 184 | 437606 | 42.451 | ng | | 99 |
| 78) Pyrene | 19.88 | 202 | 1419345 | 61.444 | ng | | 96 |
| 80) Butylbenzylphthalate | 20.77 | 149 | 480370 | 51.384 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.73 | 228 | 1227197 | 52.311 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.64 | 252 | 220817 | 24.221 | ng | | 96 |
| 83) Chrysene | 21.80 | 228 | 1190411 | 53.571 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.65 | 149 | 609894 | 47.746 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 22.88 | 149 | 959874 | 44.079 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 28.75 | 276 | 1284038 | 46.661 | ng | # | 86 |
| 88) Benzo(b)fluoranthene | 23.98 | 252 | 1197221 | 52.448 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 24.05 | 252 | 1145886 | 53.142 | ng | # | 98 |
| 90) Benzo(a)pyrene | 24.86 | 252 | 1155244 | 54.049 | ng | # | 99 |
| 91) Dibenzo(a,h)anthracene | 28.82 | 278 | 1088181 | 51.763 | ng | # | 97 |
| 92) Benzo(g,h,i)perylene | 29.92 | 276 | 1102101 | 53.747 | ng | # | 93 |

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

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