Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081117\
Data File : BM011207.D
Acq On : 11 Aug 2017 18:41
Operator : SJ/JU
Sample : PB101388BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB101388BS

Manual Integrations APPROVED
sohil
8/14/2017 6:57:10 PM

Quant Time: Aug 11 23:24:46 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 26 17:29:06 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.29 | 152 | 161483 | 20.00 | ng | | -0.10 |
| 21) Naphthalene-d8 | 10.05 | 136 | 642488 | 20.00 | ng | | -0.10 |
| 38) Acenaphthene-d10 | 13.96 | 164 | 453723 | 20.00 | ng | | -0.09 |
| 63) Phenanthrene-d10 | 16.72 | 188 | 1099194 | 20.00 | ng | | -0.09 |
| 75) Chrysene-d12 | 20.94 | 240 | 1137350 | 20.00 | ng | | -0.08 |
| 86) Perylene-d12 | 23.02 | 264 | 1152911 | 20.00 | ng | | -0.12 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.93 | 112 | 843292 | 88.28 | ng | | -0.09 |
| 7) Phenol-d6 | 6.50 | 99 | 1162130 | 85.62 | ng | | -0.09 |
| 23) Nitrobenzene-d5 | 8.45 | 82 | 1560208 | 91.14 | ng | | -0.09 |
| 41) 2,4,6-Tribromophenol | 15.47 | 330 | 549039 | 75.50 | ng | | -0.09 |
| 44) 2-Fluorobiphenyl | 12.57 | 172 | 2940048 | 81.27 | ng | | -0.09 |
| 78) Terphenyl-d14 | 19.39 | 244 | 4289635 | 74.71 | ng | | -0.08 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.93 | 88 | 166197 | 38.749 | ng | # | 100 |
| 3) Pyridine | 3.30 | 79 | 482834 | 41.213 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.22 | 42 | 286372 | 47.966 | ng | # | 68 |
| 6) Aniline | 6.64 | 93 | 554662 | 32.425 | ng | # | 78 |
| 8) 2-Chlorophenol | 6.87 | 128 | 379053 | 39.084 | ng | # | 75 |
| 9) Benzaldehyde | 6.46 | 77 | 237645 | 27.061 | ng | # | 75 |
| 10) Phenol | 6.53 | 94 | 598777 | 40.617 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.75 | 93 | 471118 | 41.015 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 7.18 | 146 | 466407 | 39.460 | ng | # | 77 |
| 13) 1,4-Dichlorobenzene | 7.33 | 146 | 479080 | 39.542 | ng | # | 87 |
| 14) 1,2-Dichlorobenzene | 7.64 | 146 | 452912 | 39.099 | ng | # | 88 |
| 15) Benzyl Alcohol | 7.55 | 79 | 605967 | 46.540 | ng | # | 79 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.82 | 45 | 501035 | 48.473 | ng | | 75 |
| 17) 2-Methylphenol | 7.75 | 107 | 393724 | 41.788 | ng | # | 75 |
| 18) Hexachloroethane | 8.35 | 117 | 221868 | 41.992 | ng | # | 84 |
| 19) n-Nitroso-di-n-propylamine | 8.10 | 70 | 537436 | 46.597 | ng | # | 90 |
| 20) 3+4-Methylphenols | 8.08 | 107 | 514579 | 39.290 | ng | # | 79 |
| 22) Acetophenone | 8.12 | 105 | 770116 | 39.987 | ng | # | 91 |
| 24) Nitrobenzene | 8.49 | 77 | 784454 | 44.222 | ng | # | 82 |
| 25) Isophorone | 9.00 | 82 | 1295489 | 45.388 | ng | # | 83 |
| 26) 2-Nitrophenol | 9.18 | 139 | 216272 | 38.317 | ng | # | 1 |
| 27) 2,4-Dimethylphenol | 9.26 | 122 | 373299 | 37.570 | ng | # | 64 |
| 28) bis(2-Chloroethoxy)methane | 9.50 | 93 | 676386 | 42.489 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 9.72 | 162 | 430087 | 38.520 | ng | | 89 |
| 30) 1,2,4-Trichlorobenzene | 9.92 | 180 | 567981 | 41.142 | ng | | 99 |
| 31) Naphthalene | 10.10 | 128 | 1275481 | 39.462 | ng | | 99 |
| 32) Benzoic acid | 9.40 | 122 | 239362 | 29.970 | ng | # | 51 |
| 33) 4-Chloroaniline | 10.23 | 127 | 206576 | 16.021 | ng | # | 71 |
| 34) Hexachlorobutadiene | 10.39 | 225 | 465606 | 42.821 | ng | | 96 |
| 35) Caprolactam | 11.02 | 113 | 112900 | 35.656 | ng | | 90 |
| 36) 4-Chloro-3-methylphenol | 11.37 | 107 | 541876 | 37.586 | ng | # | 71 |
| 37) 2-Methylnaphthalene | 11.73 | 142 | 978794 | 41.223 | ng | # | 84 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.11 | 216 | 751100 | 38.531 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.09 | 237 | 1170234 | 103.026 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.37 | 196 | 448906 | 38.047 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 12.45 | 196 | 457526 | 37.650 | ng | # | 86 |
| 45) 1,1'-Biphenyl | 12.78 | 154 | 1377160 | 35.102 | ng | | 95 |
| 46) 2-Chloronaphthalene | 12.82 | 162 | 1082161 | 37.437 | ng | # | 94 |
| 47) 2-Nitroaniline | 13.04 | 65 | 447991 | 43.808 | ng | # | 62 |
| 48) Acenaphthylene | 13.67 | 152 | 1631832 | 37.827 | ng | | 100 |
| 49) Dimethylphthalate | 13.44 | 163 | 1396484 | 35.979 | ng | # | 99 |
| 50) 2,6-Dinitrotoluene | 13.56 | 165 | 295253 | 37.617 | ng | # | 52 |
| 51) Acenaphthene | 14.03 | 154 | 997734 | 37.353 | ng | | 99 |
| 52) 3-Nitroaniline | 13.89 | 138 | 180947 | 26.566 | ng | # | 27 |
| 53) 2,4-Dinitrophenol | 14.10 | 184 | 372195 | 66.723 | ng | # | 75 |
| 54) Dibenzofuran | 14.37 | 168 | 1747671 | 40.380 | ng | # | 91 |
| 55) 4-Nitrophenol | 14.22 | 139 | 312809 | 52.273 | ng | # | 75 |
| 56) 2,4-Dinitrotoluene | 14.35 | 165 | 413790 | 37.553 | ng | # | 75 |
| 57) Fluorene | 15.02 | 166 | 1408860 | 37.388 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.60 | 232 | 464897 | 40.815 | ng | # | 100 |
| 59) Diethylphthalate | 14.83 | 149 | 1468601 | 37.049 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.03 | 204 | 871583 | 38.310 | ng | | 95 |
| 61) 4-Nitroaniline | 15.06 | 138 | 176985 | 24.464 | ng | # | 1 |
| 62) Azobenzene | 15.32 | 77 | 2040911 | 48.107 | ng | | 86 |
| 64) 4,6-Dinitro-2-methylphenol | 15.12 | 198 | 270614 | 36.366 | ng | | 92 |
| 65) n-Nitrosodiphenylamine | 15.25 | 169 | 1222184 | 38.852 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 15.93 | 248 | 577629 | 40.878 | ng | # | 90 |
| 67) Hexachlorobenzene | 16.03 | 284 | 584720 | 36.619 | ng | # | 87 |
| 68) Atrazine | 16.22 | 200 | 514874 | 40.843 | ng | | 96 |
| 69) Pentachlorophenol | 16.38 | 266 | 742146 | 73.209 | ng | | 99 |
| 70) Phenanthrene | 16.76 | 178 | 2328603 | 40.458 | ng | | 99 |
| 71) Anthracene | 16.85 | 178 | 2302930 | 40.120 | ng | | 98 |
| 72) Carbazole | 17.13 | 167 | 1791755 | 35.693 | ng | | 99 |
| 73) Di-n-butylphthalate | 17.72 | 149 | 2356512 | 38.548 | ng | # | 95 |
| 74) Fluoranthene | 18.80 | 202 | 2780678 | 38.986 | ng | | 98 |
| 76) Benzidine | 19.01 | 184 | 1191105 | 43.777 | ng | | 99 |
| 77) Pyrene | 19.16 | 202 | 2817395 | 41.690 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.11 | 149 | 1000147 | 41.619 | ng | # | 64 |
| 80) Benzo(a)anthracene | 20.93 | 228 | 2686027 | 41.361 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 20.88 | 252 | 758162 | 29.759 | ng | # | 97 |
| 82) Chrysene | 20.98 | 228 | 2507243 | 40.220 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 20.90 | 149 | 1409734 | 39.876 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 21.74 | 149 | 2223741 | 38.756 | ng | # | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 25.05 | 276 | 3091144 | 47.879 | ng | # | 96 |
| 87) Benzo(b)fluoranthene | 22.42 | 252 | 2723205 | 36.802 | ng | # | 91 |
| 88) Benzo(k)fluoranthene | 22.46 | 252 | 2672166 | 37.678 | ng | # | 94 |
| 89) Benzo(a)pyrene | 22.93 | 252 | 2642784 | 39.470 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 25.06 | 278 | 2456607 | 39.578 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 25.66 | 276 | 2581907m | 42.361 | ng | | |

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

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