Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072017\
Data File : BM010912.D
Acq On : 20 Jul 2017 17:14
Operator : SJ/JU
Sample : PB100784BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB100784BS

Manual Integrations APPROVED
Sohil
7/21/2017 1:28:37 PM

Quant Time: Jul 21 04:01:24 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 12 14:21:16 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.44 | 152 | 226728 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.20 | 136 | 954444 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 14.09 | 164 | 689540 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 16.84 | 188 | 1761756 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.06 | 240 | 1552960 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.19 | 264 | 1259345 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.08 | 112 | 1853959 | 135.45 | ng | | 0.00 |
| 7) Phenol-d6 | 6.64 | 99 | 2483714 | 131.63 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.59 | 82 | 1986583 | 80.00 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.60 | 330 | 1497059 | 142.07 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 12.70 | 172 | 4680830 | 84.45 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.50 | 244 | 7172990 | 89.33 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.09 | 88 | 178214 | 29.508 | ng | # | 100 |
| 3) Pyridine | 3.46 | 79 | 539406 | 32.675 | ng | # | 87 |
| 4) n-Nitrosodimethylamine | 3.38 | 42 | 343981 | 40.770 | ng | # | 72 |
| 6) Aniline | 6.79 | 93 | 844831 | 35.742 | ng | | 96 |
| 8) 2-Chlorophenol | 7.02 | 128 | 570978 | 42.134 | ng | | 83 |
| 9) Benzaldehyde | 6.60 | 77 | 332205 | 25.355 | ng | | 80 |
| 10) Phenol | 6.67 | 94 | 861909 | 43.203 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.89 | 93 | 600610 | 39.089 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.33 | 146 | 625669 | 37.360 | ng | # | 81 |
| 13) 1,4-Dichlorobenzene | 7.47 | 146 | 640562 | 37.064 | ng | # | 91 |
| 14) 1,2-Dichlorobenzene | 7.79 | 146 | 630863 | 38.307 | ng | # | 92 |
| 15) Benzyl Alcohol | 7.69 | 79 | 798462 | 44.689 | ng | # | 83 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.97 | 45 | 552099 | 41.445 | ng | | 80 |
| 17) 2-Methylphenol | 7.89 | 107 | 581440 | 45.064 | ng | # | 78 |
| 18) Hexachloroethane | 8.50 | 117 | 288607 | 39.813 | ng | # | 80 |
| 19) n-Nitroso-di-n-propylamine | 8.25 | 70 | 627659 | 41.992 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.22 | 107 | 776280 | 43.305 | ng | # | 83 |
| 22) Acetophenone | 8.26 | 105 | 1071900 | 37.300 | ng | # | 94 |
| 24) Nitrobenzene | 8.63 | 77 | 993560 | 39.043 | ng | # | 89 |
| 25) Isophorone | 9.15 | 82 | 1654775 | 40.679 | ng | # | 85 |
| 26) 2-Nitrophenol | 9.33 | 139 | 351541 | 41.514 | ng | # | 29 |
| 27) 2,4-Dimethylphenol | 9.40 | 122 | 610195 | 40.374 | ng | # | 70 |
| 28) bis(2-Chloroethoxy)methane | 9.64 | 93 | 932695 | 40.901 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 9.86 | 162 | 730817 | 42.806 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.07 | 180 | 820039 | 39.290 | ng | | 97 |
| 31) Naphthalene | 10.25 | 128 | 1953615 | 40.255 | ng | | 99 |
| 32) Benzoic acid | 9.56 | 122 | 440534 | 37.150 | ng | # | 63 |
| 33) 4-Chloroaniline | 10.37 | 127 | 298139 | 15.248 | ng | # | 76 |
| 34) Hexachlorobutadiene | 10.54 | 225 | 632340 | 39.045 | ng | | 98 |
| 35) Caprolactam | 11.16 | 113 | 210189m | 46.243 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.51 | 107 | 879523 | 42.589 | ng | # | 76 |
| 37) 2-Methylnaphthalene | 11.87 | 142 | 1552021 | 44.525 | ng | # | 88 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.25 | 216 | 1120699 | 37.287 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.23 | 237 | 1728852 | 100.340 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.50 | 196 | 737698 | 39.860 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 12.57 | 196 | 784312 | 42.924 | ng | # | 87 |
| 45) 1,1'-Biphenyl | 12.92 | 154 | 2224223 | 37.025 | ng | | 98 |
| 46) 2-Chloronaphthalene | 12.95 | 162 | 1760135 | 39.960 | ng | | 94 |
| 47) 2-Nitroaniline | 13.17 | 65 | 658431 | 45.472 | ng | # | 70 |
| 48) Acenaphthylene | 13.81 | 152 | 2711654 | 41.391 | ng | | 98 |
| 49) Dimethylphthalate | 13.57 | 163 | 2398955 | 40.895 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 13.68 | 165 | 502983 | 43.714 | ng | # | 56 |
| 51) Acenaphthene | 14.16 | 154 | 1663160 | 41.547 | ng | | 98 |
| 52) 3-Nitroaniline | 14.01 | 138 | 338202 | 32.332 | ng | # | 43 |
| 53) 2,4-Dinitrophenol | 14.22 | 184 | 698302 | 87.792 | ng | # | 88 |
| 54) Dibenzofuran | 14.49 | 168 | 2915011 | 45.017 | ng | # | 89 |
| 55) 4-Nitrophenol | 14.33 | 139 | 725058 | 79.812 | ng | # | 1 |
| 56) 2,4-Dinitrotoluene | 14.47 | 165 | 725274 | 45.426 | ng | # | 94 |
| 57) Fluorene | 15.15 | 166 | 2415096 | 43.386 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.73 | 232 | 813796 | 47.933 | ng | # | 100 |
| 59) Diethylphthalate | 14.94 | 149 | 2511466 | 43.350 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.15 | 204 | 1440374 | 42.124 | ng | | 96 |
| 61) 4-Nitroaniline | 15.19 | 138 | 461624 | 42.223 | ng | # | 1 |
| 62) Azobenzene | 15.44 | 77 | 2959258 | 50.303 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 15.24 | 198 | 475978 | 40.972 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 15.37 | 169 | 2110523 | 41.866 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.04 | 248 | 968697 | 43.386 | ng | # | 86 |
| 67) Hexachlorobenzene | 16.16 | 284 | 1018068 | 39.876 | ng | # | 91 |
| 68) Atrazine | 16.34 | 200 | 866704 | 41.515 | ng | | 96 |
| 69) Pentachlorophenol | 16.50 | 266 | 1292207 | 78.954 | ng | | 97 |
| 70) Phenanthrene | 16.89 | 178 | 4010640 | 43.760 | ng | | 100 |
| 71) Anthracene | 16.98 | 178 | 4029002 | 44.286 | ng | | 99 |
| 72) Carbazole | 17.26 | 167 | 3253953 | 40.611 | ng | | 100 |
| 73) Di-n-butylphthalate | 17.84 | 149 | 4007711 | 42.277 | ng | # | 97 |
| 74) Fluoranthene | 18.92 | 202 | 4629054 | 40.781 | ng | | 97 |
| 76) Benzidine | 19.12 | 184 | 2369052 | 57.007 | ng | | 99 |
| 77) Pyrene | 19.29 | 202 | 4751431 | 52.777 | ng | | 100 |
| 79) Butylbenzylphthalate | 20.22 | 149 | 1550176 | 49.182 | ng | # | 74 |
| 80) Benzo(a)anthracene | 21.04 | 228 | 3982165 | 44.254 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 20.99 | 252 | 1046712 | 29.583 | ng | # | 97 |
| 82) Chrysene | 21.10 | 228 | 3658501 | 42.690 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.00 | 149 | 2056312 | 44.801 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 21.86 | 149 | 3070975 | 40.836 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 25.30 | 276 | 3887062 | 39.555 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 22.56 | 252 | 3479606 | 43.498 | ng | # | 92 |
| 88) Benzo(k)fluoranthene | 22.60 | 252 | 3391483 | 44.388 | ng | # | 94 |
| 89) Benzo(a)pyrene | 23.10 | 252 | 3321708 | 45.620 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 25.31 | 278 | 3201464 | 45.301 | ng | # | 91 |
| 91) Benzo(g,h,i)perylene | 25.94 | 276 | 3192324 | 45.953 | ng | # | 87 |

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

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