Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
Data File : BM010215.D
Acq On : 25 May 2017 13:56
Operator : SJ/MA
Sample : PB99246BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PB99246BS

Quant Time: May 26 05:12:32 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:25:49 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.95 | 152 | 141257 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.75 | 136 | 480884 | 20.00 | ng | | -0.04 |
| 38) Acenaphthene-d10 | 14.58 | 164 | 293672 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 17.32 | 188 | 620290 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 21.49 | 240 | 770905 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 23.84 | 264 | 941374 | 20.00 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 1185277 | 151.53 | ng | | -0.03 |
| 7) Phenol-d6 | 7.14 | 99 | 1406064 | 139.69 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 9.13 | 82 | 969583 | 108.78 | ng | | -0.04 |
| 41) 2,4,6-Tribromophenol | 16.07 | 330 | 619841 | 138.97 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.20 | 172 | 2464260 | 107.87 | ng | | -0.04 |
| 78) Terphenyl-d14 | 19.93 | 244 | 3079639 | 90.83 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.43 | 88 | 160053 | 44.53 | ng | # | 100 |
| 3) Pyridine | 3.84 | 79 | 418931 | 43.54 | ng | | 90 |
| 4) n-Nitrosodimethylamine | 3.76 | 42 | 219579 | 63.10 | ng | # | 75 |
| 6) Aniline | 7.30 | 93 | 262366 | 21.04 | ng | | 93 |
| 8) 2-Chlorophenol | 7.52 | 128 | 377006 | 44.30 | ng | | 92 |
| 9) Benzaldehyde | 7.11 | 77 | 96985 | 15.48 | ng | | 90 |
| 10) Phenol | 7.16 | 94 | 473262 | 44.62 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.38 | 93 | 340620 | 43.08 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.83 | 146 | 461399 | 42.66 | ng | # | 89 |
| 13) 1,4-Dichlorobenzene | 7.98 | 146 | 468132 | 42.14 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.30 | 146 | 453969 | 42.57 | ng | | 97 |
| 15) Benzyl Alcohol | 8.21 | 79 | 342009 | 44.91 | ng | # | 86 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.47 | 45 | 275575 | 35.45 | ng | | 75 |
| 17) 2-Methylphenol | 8.40 | 107 | 308450 | 40.87 | ng | # | 83 |
| 18) Hexachloroethane | 9.02 | 117 | 162169 | 45.03 | ng | # | 75 |
| 19) n-Nitroso-di-n-propylamine | 8.75 | 70 | 318342 | 44.81 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.73 | 107 | 412097 | 40.43 | ng | | 87 |
| 22) Acetophenone | 8.79 | 105 | 580580 | 47.10 | ng | # | 98 |
| 24) Nitrobenzene | 9.18 | 77 | 486816 | 53.02 | ng | | 92 |
| 25) Isophorone | 9.68 | 82 | 743125 | 48.25 | ng | # | 93 |
| 26) 2-Nitrophenol | 9.88 | 139 | 190393 | 49.19 | ng | # | 61 |
| 27) 2,4-Dimethylphenol | 9.93 | 122 | 319861 | 45.77 | ng | # | 79 |
| 28) bis(2-Chloroethoxy)methane | 10.16 | 93 | 426112 | 43.59 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.40 | 162 | 401394 | 49.88 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.60 | 180 | 497200 | 47.76 | ng | | 99 |
| 31) Naphthalene | 10.80 | 128 | 1082110 | 42.07 | ng | | 100 |
| 32) Benzoic acid | 10.08 | 122 | 199284 | 41.84 | ng | # | 73 |
| 33) 4-Chloroaniline | 10.96 | 127 | 144124 | 14.54 | ng | # | 83 |
| 34) Hexachlorobutadiene | 11.05 | 225 | 348184 | 50.14 | ng | | 97 |
| 35) Caprolactam | 11.76 | 113 | 83216 | 36.04 | ng | # | 82 |
| 36) 4-Chloro-3-methylphenol | 12.06 | 107 | 362866 | 41.64 | ng | # | 83 |
| 37) 2-Methylnaphthalene | 12.40 | 142 | 843811 | 45.56 | ng | # | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.76 | 216 | 566568 | 50.17 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.72 | 237 | 867373 | 133.02 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.02 | 196 | 340958 | 51.26 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.09 | 196 | 357073 | 48.58 | ng | # | 93 |
| 45) 1,1'-Biphenyl | 13.42 | 154 | 1138459 | 47.14 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.46 | 162 | 901216 | 46.09 | ng | | 95 |
| 47) 2-Nitroaniline | 13.70 | 65 | 237380 | 47.21 | ng | # | 80 |
| 48) Acenaphthylene | 14.31 | 152 | 1337104 | 46.25 | ng | | 100 |
| 49) Dimethylphthalate | 14.05 | 163 | 1070467 | 40.86 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 14.17 | 165 | 222691 | 44.77 | ng | # | 82 |
| 51) Acenaphthene | 14.65 | 154 | 813602 | 45.27 | ng | | 98 |
| 52) 3-Nitroaniline | 14.53 | 138 | 176351 | 38.14 | ng | # | 72 |
| 53) 2,4-Dinitrophenol | 14.72 | 184 | 281564 | 84.78 | ng | # | 85 |
| 54) Dibenzofuran | 14.98 | 168 | 1363156 | 48.23 | ng | | 96 |
| 55) 4-Nitrophenol | 14.84 | 139 | 277142 | 74.49 | ng | # | 23 |
| 56) 2,4-Dinitrotoluene | 14.96 | 165 | 297335 | 42.25 | ng | # | 87 |
| 57) Fluorene | 15.63 | 166 | 1090363 | 44.36 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.20 | 232 | 324369 | 51.81 | ng | # | 100 |
| 59) Diethylphthalate | 15.39 | 149 | 988169 | 39.90 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.62 | 204 | 615173 | 44.58 | ng | | 97 |
| 61) 4-Nitroaniline | 15.69 | 138 | 165670 | 35.30 | ng | # | 17 |
| 62) Azobenzene | 15.91 | 77 | 1017746 | 55.89 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 15.71 | 198 | 179471 | 47.36 | ng | | 80 |
| 65) n-Nitrosodiphenylamine | 15.84 | 169 | 899390 | 48.38 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.51 | 248 | 391812 | 49.34 | ng | | 94 |
| 67) Hexachlorobenzene | 16.60 | 284 | 433454 | 44.93 | ng | | 94 |
| 68) Atrazine | 16.78 | 200 | 335783 | 47.64 | ng | | 98 |
| 69) Pentachlorophenol | 16.97 | 266 | 508565 | 95.98 | ng | | 98 |
| 70) Phenanthrene | 17.37 | 178 | 1596755 | 46.01 | ng | | 99 |
| 71) Anthracene | 17.46 | 178 | 1621740 | 47.09 | ng | | 100 |
| 72) Carbazole | 17.75 | 167 | 1323780 | 43.41 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.26 | 149 | 1446986 | 40.02 | ng | # | 97 |
| 74) Fluoranthene | 19.37 | 202 | 1840647 | 40.85 | ng | | 97 |
| 76) Benzidine | 19.58 | 184 | 1134461 | 79.78 | ng | | 99 |
| 77) Pyrene | 19.74 | 202 | 1879062 | 45.46 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.61 | 149 | 617689 | 40.37 | ng | # | 84 |
| 80) Benzo(a)anthracene | 21.47 | 228 | 1976680 | 46.53 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.41 | 252 | 600553 | 35.14 | ng | # | 96 |
| 82) Chrysene | 21.52 | 228 | 1772933 | 44.00 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 21.35 | 149 | 888732 | 38.84 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 22.26 | 149 | 1584596 | 38.68 | ng | # | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 26.26 | 276 | 3687251 | 62.40 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 23.12 | 252 | 2396557 | 43.50 | ng | # | 92 |
| 88) Benzo(k)fluoranthene | 23.17 | 252 | 2350269 | 43.54 | ng | # | 96 |
| 89) Benzo(a)pyrene | 23.74 | 252 | 2467487 | 47.00 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 26.27 | 278 | 3076616 | 52.41 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 27.01 | 276 | 3029426 | 52.66 | ng | # | 85 |

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

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