Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060419\
Data File : BM020709.D
Acq On : 04 Jun 2019 18:48
Operator : HP/JU
Sample : PB120137BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB120137BS

**Manual Integrations APPROVED**
mohammad
6/5/2019 3:41:32 PM

Quant Time: Jun 05 03:51:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM053119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 31 15:48:49 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.83 | 152 | 316143 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.62 | 136 | 1199603 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.46 | 164 | 615611 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.20 | 188 | 1195680 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.38 | 240 | 1009918 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 23.67 | 264 | 1180340 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.41 | 112 | 2435584 | 135.52 | ng | | 0.00 |
| 7) Phenol-d6 | 6.99 | 99 | 3155460 | 119.24 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.99 | 82 | 1924039 | 83.10 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.95 | 330 | 1039197 | 136.25 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.09 | 172 | 4154020 | 89.71 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.83 | 244 | 4717759 | 78.14 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.35 | 88 | 308004 | 41.859 | ng | | 97 |
| 3) Pyridine | 3.74 | 79 | 852589 | 36.418 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.66 | 42 | 390991 | 38.743 | ng | | 96 |
| 6) Aniline | 7.16 | 93 | 1079809 | 28.200 | ng | | 98 |
| 8) 2-Chlorophenol | 7.39 | 128 | 957770 | 42.838 | ng | | 98 |
| 9) Benzaldehyde | 6.97 | 77 | 292510 | 15.307 | ng | | 97 |
| 10) Phenol | 7.02 | 94 | 1151243 | 40.368 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.26 | 93 | 863005 | 37.971 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.71 | 146 | 1009347 | 39.280 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.86 | 146 | 1028824 | 39.384 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.17 | 146 | 990724 | 38.972 | ng | | 99 |
| 15) Benzyl Alcohol | 8.06 | 79 | 834706 | 35.654 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.36 | 45 | 1197554 | 34.129 | ng | | 99 |
| 17) 2-Methylphenol | 8.26 | 107 | 759175 | 37.857 | ng | | 99 |
| 18) Hexachloroethane | 8.90 | 117 | 377916 | 37.786 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.63 | 70 | 705441 | 33.162 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.59 | 107 | 1006024 | 36.872 | ng | | 97 |
| 22) Acetophenone | 8.65 | 105 | 1317410 | 43.230 | ng | # | 96 |
| 24) Nitrobenzene | 9.03 | 77 | 1034360 | 43.761 | ng | | 98 |
| 25) Isophorone | 9.55 | 82 | 1828689 | 39.706 | ng | | 100 |
| 26) 2-Nitrophenol | 9.73 | 139 | 448297 | 50.890 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.79 | 122 | 811795 | 49.179 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.03 | 93 | 1117571 | 40.133 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.26 | 162 | 833620 | 45.646 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.47 | 180 | 934598 | 44.506 | ng | | 100 |
| 31) Naphthalene | 10.67 | 128 | 2704478 | 43.841 | ng | | 100 |
| 32) Benzoic acid | 9.92 | 122 | 462277m | 44.868 | ng | | |
| 33) 4-Chloroaniline | 10.78 | 127 | 395903 | 13.790 | ng | | 97 |
| 34) Hexachlorobutadiene | 10.94 | 225 | 543790 | 43.158 | ng | | 98 |
| 35) Caprolactam | 11.57 | 113 | 231965m | 36.562 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.90 | 107 | 848568 | 39.964 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.28 | 142 | 1928089 | 42.168 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.50 | 142 | 1837344 | 42.201 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.64 | 216 | 983957 | 48.773 | ng | | 99 |

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|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.62 | 237 | 1249446 | 103.554 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.89 | 196 | 616899 | 47.506 | ng | 98 |
| 44) 2,4,5-Trichlorophenol | 12.96 | 196 | 648372 | 48.363 | ng | 97 |
| 46) 1,1'-Biphenyl | 13.29 | 154 | 2373703 | 46.169 | ng | 98 |
| 47) 2-Chloronaphthalene | 13.33 | 162 | 1838837 | 44.314 | ng | 100 |
| 48) 2-Nitroaniline | 13.54 | 65 | 509684 | 39.134 | ng | 90 |
| 49) Acenaphthylene | 14.19 | 152 | 2879495 | 44.474 | ng | 99 |
| 50) Dimethylphthalate | 13.92 | 163 | 2166621 | 41.195 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.04 | 165 | 466384 | 43.671 | ng | 89 |
| 52) Acenaphthene | 14.53 | 154 | 1673115 | 43.363 | ng | 99 |
| 53) 3-Nitroaniline | 14.37 | 138 | 273999 | 22.987 | ng | 96 |
| 54) 2,4-Dinitrophenol | 14.57 | 184 | 380212 | 82.507 | ng | 95 |
| 55) Dibenzofuran | 14.86 | 168 | 2586086 | 43.154 | ng | 98 |
| 56) 4-Nitrophenol | 14.67 | 139 | 741806 | 84.450 | ng | 91 |
| 57) 2,4-Dinitrotoluene | 14.83 | 165 | 604738 | 42.292 | ng | 95 |
| 58) Fluorene | 15.51 | 166 | 2063693 | 41.876 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.08 | 232 | 544653 | 46.623 | ng | 98 |
| 60) Diethylphthalate | 15.29 | 149 | 2130065 | 39.268 | ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.50 | 204 | 1067883 | 40.926 | ng | 98 |
| 62) 4-Nitroaniline | 15.53 | 138 | 441376 | 34.914 | ng | 96 |
| 63) Azobenzene | 15.80 | 77 | 2011627 | 38.682 | ng | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.59 | 198 | 234254 | 43.965 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 15.72 | 169 | 1760835 | 46.003 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.40 | 248 | 620580 | 44.082 | ng | 96 |
| 68) Hexachlorobenzene | 16.50 | 284 | 710173 | 43.201 | ng | 96 |
| 69) Atrazine | 16.67 | 200 | 551510 | 48.277 | ng | 100 |
| 70) Pentachlorophenol | 16.85 | 266 | 810298 | 103.323 | ng | 100 |
| 71) Phenanthrene | 17.25 | 178 | 2936681 | 43.330 | ng | 100 |
| 72) Anthracene | 17.34 | 178 | 3015806 | 44.458 | ng | 100 |
| 73) Carbazole | 17.61 | 167 | 2589592 | 42.068 | ng | 99 |
| 74) Di-n-butylphthalate | 18.17 | 149 | 3158738 | 39.529 | ng | 100 |
| 75) Fluoranthene | 19.26 | 202 | 3103192 | 41.172 | ng | 99 |
| 77) Benzidine | 19.45 | 184 | 1434237 | 46.868 | ng | 99 |
| 78) Pyrene | 19.62 | 202 | 3151858 | 40.669 | ng | 100 |
| 80) Butylbenzylphthalate | 20.53 | 149 | 1260148 | 38.476 | ng | 93 |
| 81) Benzo(a)anthracene | 21.37 | 228 | 2911939 | 41.404 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.30 | 252 | 863267 | 33.520 | ng | 100 |
| 83) Chrysene | 21.42 | 228 | 2879060 | 43.066 | ng | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.30 | 149 | 1773266 | 37.253 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.19 | 149 | 2952076 | 39.063 | ng | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 25.99 | 276 | 4077042 | 59.612 | ng | 99 |
| 88) Benzo(b)fluoranthene | 22.98 | 252 | 3236198 | 41.482 | ng | 100 |
| 89) Benzo(k)fluoranthene | 23.03 | 252 | 3119736 | 40.921 | ng | 99 |
| 90) Benzo(a)pyrene | 23.57 | 252 | 3162803 | 44.696 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 26.01 | 278 | 3437795 | 50.076 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 26.71 | 276 | 3324301 | 52.132 | ng | 99 |

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

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