Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121619\
Data File : BM024114.D
Acq On : 16 Dec 2019 18:33
Operator : JU
Sample : SSTDICC080
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTDICC080

**Manual Integrations APPROVED**
mohammad
12/17/2019 3:20:23 PM

Quant Time: Dec 16 19:09:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 17:25:31 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.46 | 152 | 390642 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.23 | 136 | 1627889 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.12 | 164 | 1072076 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 16.87 | 188 | 2328791 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.09 | 240 | 2316640 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 23.22 | 264 | 2527428 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.08 | 112 | 3456200 | 140.32 | ng | 0.00 |
| 7) Phenol-d6 | 6.66 | 99 | 5338872 | 168.76 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 8.62 | 82 | 5571949 | 190.00 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.63 | 330 | 2608409 | 194.90 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.73 | 172 | 12470016 | 160.17 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.52 | 244 | 14995903 | 125.34 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.03 | 88 | 709660 | 71.602 | ng | # 100 |
| 3) Pyridine | 3.43 | 79 | 1999540 | 76.540 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.35 | 42 | 697830 | 73.376 | ng | 93 |
| 6) Aniline | 6.80 | 93 | 3355748 | 88.464 | ng | 100 |
| 8) 2-Chlorophenol | 7.03 | 128 | 2034879 | 81.084 | ng | 99 |
| 9) Benzaldehyde | 6.62 | 77 | 1019209 | 56.580 | ng | 98 |
| 10) Phenol | 6.69 | 94 | 2777252 | 93.247 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 6.90 | 93 | 2119886 | 90.593 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 7.35 | 146 | 2269438 | 75.662 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.49 | 146 | 2311087 | 76.109 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 7.80 | 146 | 2272792 | 78.509 | ng | 99 |
| 15) Benzyl Alcohol | 7.71 | 79 | 2109168 | 106.547 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.00 | 45 | 2525112 | 74.286 | ng | 98 |
| 17) 2-Methylphenol | 7.92 | 107 | 1870128 | 94.863 | ng | 98 |
| 18) Hexachloroethane | 8.52 | 117 | 873621 | 78.442 | ng | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.28 | 70 | 1927106 | 109.085 | ng | 97 |
| 20) 3+4-Methylphenols | 8.25 | 107 | 2582986 | 98.370 | ng | 99 |
| 22) Acetophenone | 8.29 | 105 | 3558144 | 88.549 | ng | 99 |
| 24) Nitrobenzene | 8.66 | 77 | 2709197 | 96.554 | ng | 98 |
| 25) Isophorone | 9.19 | 82 | 5088289 | 105.524 | ng | 100 |
| 26) 2-Nitrophenol | 9.36 | 139 | 1258934 | 103.932 | ng | 97 |
| 27) 2,4-Dimethylphenol | 9.43 | 122 | 1767515 | 87.162 | ng | 100 |
| 28) bis(2-Chloroethoxy)methane | 9.66 | 93 | 3160515 | 94.719 | ng | 98 |
| 29) 2,4-Dichlorophenol | 9.89 | 162 | 2111182 | 92.084 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.10 | 180 | 2351549 | 83.366 | ng | 98 |
| 31) Naphthalene | 10.27 | 128 | 6982935 | 86.815 | ng | 99 |
| 32) Benzoic acid | 9.67 | 122 | 1711866m | 131.162 | ng | |
| 33) 4-Chloroaniline | 10.40 | 127 | 3177129 | 90.974 | ng | 98 |
| 34) Hexachlorobutadiene | 10.56 | 225 | 1353923 | 80.520 | ng | 98 |
| 35) Caprolactam | 11.25 | 113 | 805543m | 118.516 | ng | |
| 36) 4-Chloro-3-methylphenol | 11.55 | 107 | 2494625 | 111.525 | ng | 98 |
| 37) 2-Methylnaphthalene | 11.90 | 142 | 5200738 | 92.889 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.13 | 142 | 4945321 | 93.052 | ng | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.29 | 216 | 2631114 | 72.430 | ng | 100 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.26 | 237 | 1091093 | 55.050 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.54 | 196 | 1783222 | 85.052 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 12.62 | 196 | 1832621 | 83.879 | ng | | 97 |
| 46) 1,1'-Biphenyl | 12.95 | 154 | 6918068 | 77.969 | ng | | 99 |
| 47) 2-Chloronaphthalene | 12.98 | 162 | 5482588 | 82.902 | ng | | 100 |
| 48) 2-Nitroaniline | 13.20 | 65 | 1891030 | 109.811 | ng | | 97 |
| 49) Acenaphthylene | 13.84 | 152 | 8536055 | 87.162 | ng | | 100 |
| 50) Dimethylphthalate | 13.60 | 163 | 7001354 | 90.368 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.72 | 165 | 1566534 | 96.664 | ng | | 91 |
| 52) Acenaphthene | 14.19 | 154 | 5215797 | 81.407 | ng | | 99 |
| 53) 3-Nitroaniline | 14.05 | 138 | 1781550 | 95.491 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 14.27 | 184 | 965228 | 126.144 | ng | | 97 |
| 55) Dibenzofuran | 14.53 | 168 | 8196051 | 87.624 | ng | | 99 |
| 56) 4-Nitrophenol | 14.38 | 139 | 1335971 | 93.164 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.52 | 165 | 2237513 | 105.390 | ng | | 97 |
| 58) Fluorene | 15.18 | 166 | 6855217 | 90.189 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.76 | 232 | 1654439 | 86.827 | ng | | 99 |
| 60) Diethylphthalate | 14.97 | 149 | 7113726 | 94.430 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.18 | 204 | 3435255 | 87.960 | ng | | 99 |
| 62) 4-Nitroaniline | 15.23 | 138 | 1767818 | 90.380 | ng | | 99 |
| 63) Azobenzene | 15.47 | 77 | 6852790 | 100.731 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.29 | 198 | 1213434 | 111.260 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.40 | 169 | 5926095 | 83.297 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.07 | 248 | 2280679 | 88.051 | ng | | 98 |
| 68) Hexachlorobenzene | 16.19 | 284 | 2735569 | 90.563 | ng | | 99 |
| 69) Atrazine | 16.36 | 200 | 901791 | 38.992 | ng | | 98 |
| 70) Pentachlorophenol | 16.54 | 266 | 1321204 | 82.016 | ng | | 100 |
| 71) Phenanthrene | 16.92 | 178 | 10749837 | 81.808 | ng | | 99 |
| 72) Anthracene | 17.01 | 178 | 10511957 | 82.543 | ng | | 99 |
| 73) Carbazole | 17.29 | 167 | 9935729 | 83.841 | ng | | 99 |
| 74) Di-n-butylphthalate | 17.86 | 149 | 11444552 | 85.169 | ng | | 96 |
| 75) Fluoranthene | 18.94 | 202 | 12149528 | 81.937 | ng | | 95 |
| 77) Benzidine | 19.14 | 184 | 2779002 | 43.727 | ng | | 99 |
| 78) Pyrene | 19.31 | 202 | 12261264 | 80.762 | ng | | 95 |
| 80) Butylbenzylphthalate | 20.24 | 149 | 5970221 | 103.471 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.07 | 228 | 11882292 | 79.139 | ng | | 91 |
| 82) 3,3'-Dichlorobenzidine | 21.02 | 252 | 4391114 | 82.468 | ng | | 98 |
| 83) Chrysene | 21.13 | 228 | 11238649m | 77.209 | ng | | |
| 84) Bis(2-ethylhexyl)phthalate | 21.03 | 149 | 8352304 | 97.696 | ng | # | 96 |
| 85) Di-n-octyl phthalate | 21.87 | 149 | 12157047 | 89.222 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 25.35 | 276 | 13173732 | 75.826 | ng | # | 100 |
| 88) Benzo(b)fluoranthene | 22.60 | 252 | 13427907 | 87.748 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 22.64 | 252 | 12391412 | 81.609 | ng | | 97 |
| 90) Benzo(a)pyrene | 23.13 | 252 | 11986667 | 85.006 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 25.35 | 278 | 11004062 | 74.606 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 25.99 | 276 | 10040882 | 71.673 | ng | | 100 |

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

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