Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\
Data File : BM018823.D
Acq On : 15 Feb 2019 18:55
Operator : JU/SJ
Sample : K1501-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
CH-021419MSD

**Manual Integrations APPROVED**
Sohil
2/18/2019 12:09:26 PM

Quant Time: Feb 15 23:19:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 11 16:02:12 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.71 | 152 | 331983 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.50 | 136 | 1354592 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.36 | 164 | 765230 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.11 | 188 | 1682792 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.31 | 240 | 1680386 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.56 | 264 | 1417024 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 4197176 | 207.15 | ng | | 0.00 |
| 7) Phenol-d6 | 6.89 | 99 | 5976129 | 209.37 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.88 | 82 | 3846616 | 131.30 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.86 | 330 | 2327932 | 211.04 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.97 | 172 | 7147506 | 123.99 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.74 | 244 | 10600522 | 130.14 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.25 | 88 | 413436 | 46.849 | ng | | 98 |
| 3) Pyridine | 3.65 | 79 | 1236475 | 51.366 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.57 | 42 | 426655 | 69.672 | ng | | 99 |
| 6) Aniline | 7.06 | 93 | 1680629 | 48.055 | ng | | 99 |
| 8) 2-Chlorophenol | 7.28 | 128 | 1418883 | 63.783 | ng | | 99 |
| 9) Benzaldehyde | 6.86 | 77 | 821028 | 59.940 | ng | | 98 |
| 10) Phenol | 6.92 | 94 | 2082459 | 69.338 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.15 | 93 | 1361625 | 59.433 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.59 | 146 | 1411059 | 56.411 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.75 | 146 | 1448008 | 56.862 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.06 | 146 | 1398258 | 57.163 | ng | | 99 |
| 15) Benzyl Alcohol | 7.96 | 79 | 1433790 | 63.217 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.24 | 45 | 1305150 | 58.860 | ng | | 99 |
| 17) 2-Methylphenol | 8.16 | 107 | 1235588 | 64.638 | ng | | 99 |
| 18) Hexachloroethane | 8.77 | 117 | 544171 | 58.538 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.52 | 70 | 1309129 | 59.235 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.49 | 107 | 1691323 | 64.075 | ng | | 99 |
| 22) Acetophenone | 8.54 | 105 | 2159696 | 58.057 | ng | # | 99 |
| 24) Nitrobenzene | 8.92 | 77 | 1855902 | 61.031 | ng | | 100 |
| 25) Isophorone | 9.44 | 82 | 3265029 | 69.849 | ng | | 100 |
| 26) 2-Nitrophenol | 9.62 | 139 | 776045 | 64.083 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.68 | 122 | 1300916 | 73.551 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 9.92 | 93 | 1911411 | 63.234 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.15 | 162 | 1343707 | 66.162 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.36 | 180 | 1379499 | 58.816 | ng | | 98 |
| 31) Naphthalene | 10.55 | 128 | 4233822 | 64.086 | ng | | 99 |
| 32) Benzoic acid | 9.86 | 122 | 859007 | 55.676 | ng | | 97 |
| 33) 4-Chloroaniline | 10.67 | 127 | 445007 | 15.069 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.81 | 225 | 754207 | 55.400 | ng | | 99 |
| 35) Caprolactam | 11.51 | 113 | 451399m | 54.461 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.80 | 107 | 1566742 | 63.985 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.16 | 142 | 3124180 | 67.167 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.39 | 142 | 2974860 | 65.404 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.53 | 216 | 1480290 | 60.472 | ng | | 99 |

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|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.50 | 237 | 1704395 | 136.184 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.79 | 196 | 1080106 | 66.652 | ng | 98 |
| 44) 2,4,5-Trichlorophenol | 12.86 | 196 | 1145663 | 67.451 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.19 | 154 | 3945188 | 59.894 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.23 | 162 | 3080809 | 60.555 | ng | 99 |
| 48) 2-Nitroaniline | 13.46 | 65 | 1103882 | 65.330 | ng | 99 |
| 49) Acenaphthylene | 14.08 | 152 | 5021101 | 66.280 | ng | 99 |
| 50) Dimethylphthalate | 13.83 | 163 | 4390875 | 68.850 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 13.96 | 165 | 883696 | 63.967 | ng | 97 |
| 52) Acenaphthene | 14.43 | 154 | 2905276 | 62.544 | ng | 100 |
| 53) 3-Nitroaniline | 14.29 | 138 | 446563 | 28.609 | ng | 99 |
| 54) 2,4-Dinitrophenol | 14.50 | 184 | 1033238 | 115.142 | ng | 98 |
| 55) Dibenzofuran | 14.76 | 168 | 4691020 | 61.441 | ng | 99 |
| 56) 4-Nitrophenol | 14.61 | 139 | 1556008 | 124.874 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 14.75 | 165 | 1260205 | 66.207 | ng | 98 |
| 58) Fluorene | 15.41 | 166 | 3861774 | 66.114 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.99 | 232 | 1026074 | 68.344 | ng | 100 |
| 60) Diethylphthalate | 15.19 | 149 | 4047982 | 61.533 | ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.41 | 204 | 1934759 | 59.077 | ng | 96 |
| 62) 4-Nitroaniline | 15.46 | 138 | 897917 | 58.677 | ng | 98 |
| 63) Azobenzene | 15.70 | 77 | 4369368 | 61.945 | ng | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.50 | 198 | 706656 | 59.810 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 15.63 | 169 | 3353206 | 63.070 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.30 | 248 | 1150502 | 61.080 | ng | 99 |
| 68) Hexachlorobenzene | 16.40 | 284 | 1330083 | 60.751 | ng | 99 |
| 69) Atrazine | 16.59 | 200 | 1112232 | 64.891 | ng | 100 |
| 70) Pentachlorophenol | 16.76 | 266 | 1776196 | 125.998 | ng | 100 |
| 71) Phenanthrene | 17.16 | 178 | 5920664 | 65.468 | ng | 100 |
| 72) Anthracene | 17.24 | 178 | 6071120 | 68.971 | ng | 99 |
| 73) Carbazole | 17.52 | 167 | 5556308 | 60.418 | ng | 100 |
| 74) Di-n-butylphthalate | 18.07 | 149 | 6992468 | 66.113 | ng | 99 |
| 75) Fluoranthene | 19.17 | 202 | 6815852 | 65.245 | ng | 97 |
| 77) Benzidine | 19.37 | 184 | 3836387 | 101.372 | ng | 100 |
| 78) Pyrene | 19.54 | 202 | 6946715 | 71.179 | ng | 99 |
| 80) Butylbenzylphthalate | 20.44 | 149 | 3326418 | 74.788 | ng | 97 |
| 81) Benzo(a)anthracene | 21.29 | 228 | 6572153 | 67.095 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.23 | 252 | 1444996 | 37.326 | ng | 99 |
| 83) Chrysene | 21.34 | 228 | 6150488 | 65.510 | ng | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.21 | 149 | 4783671 | 73.484 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.10 | 149 | 7937460 | 72.547 | ng | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 25.86 | 276 | 5807635 | 53.578 | ng | 99 |
| 88) Benzo(b)fluoranthene | 22.89 | 252 | 5783735 | 71.340 | ng | 100 |
| 89) Benzo(k)fluoranthene | 22.93 | 252 | 5862868 | 72.638 | ng | 100 |
| 90) Benzo(a)pyrene | 23.47 | 252 | 5391793 | 70.203 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 25.87 | 278 | 4960935 | 65.197 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 26.56 | 276 | 4616041 | 65.162 | ng | 100 |

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

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