Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108280.D
Acq On : 20 Aug 2018 10:51
Operator : JU/SJ
Sample : PB112114BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB112114BS

**Manual Integrations APPROVED**
Sohil
8/21/2018 1:42:39 PM

Quant Time: Aug 20 11:34:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.02 | 152 | 163645 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.30 | 136 | 677830 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.07 | 164 | 339621 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.56 | 188 | 680254 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.22 | 240 | 512778 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.78 | 264 | 367667 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.66 | 112 | 1235054 | 136.64 | ng | | 0.03 |
| 7) Phenol-d6 | 6.65 | 99 | 1640068 | 136.54 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 7.58 | 82 | 1083360 | 89.19 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.87 | 330 | 495877 | 146.38 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.38 | 172 | 2023392 | 95.65 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.15 | 244 | 2282320 | 113.17 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.03 | 88 | 185899 | 40.026 | ng | | 93 |
| 3) Pyridine | 3.77 | 79 | 494979 | 41.372 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.74 | 42 | 282106 | 41.904 | ng | | 85 |
| 6) Aniline | 6.68 | 93 | 630422 | 38.586 | ng | | 97 |
| 8) 2-Chlorophenol | 6.81 | 128 | 514079 | 50.498 | ng | | 98 |
| 9) Benzaldehyde | 6.57 | 77 | 228590 | 24.546 | ng | | 98 |
| 10) Phenol | 6.66 | 94 | 643810 | 51.818 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.75 | 93 | 487956 | 48.579 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.96 | 146 | 574220 | 48.782 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.04 | 146 | 574540 | 48.580 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.19 | 146 | 533108 | 48.461 | ng | | 97 |
| 15) Benzyl Alcohol | 7.15 | 79 | 467049 | 46.189 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.28 | 45 | 908163 | 43.888 | ng | | 99 |
| 17) 2-Methylphenol | 7.27 | 107 | 444293 | 50.892 | ng | # | 95 |
| 18) Hexachloroethane | 7.53 | 117 | 210278 | 49.942 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.42 | 70 | 384454 | 47.332 | ng | | 91 |
| 20) 3+4-Methylphenols | 7.41 | 107 | 538040 | 48.093 | ng | # | 87 |
| 22) Acetophenone | 7.42 | 105 | 727686 | 45.912 | ng | # | 93 |
| 24) Nitrobenzene | 7.60 | 77 | 567044 | 46.163 | ng | | 96 |
| 25) Isophorone | 7.84 | 82 | 1055641 | 45.594 | ng | | 96 |
| 26) 2-Nitrophenol | 7.91 | 139 | 255536 | 55.087 | ng | | 89 |
| 27) 2,4-Dimethylphenol | 7.94 | 122 | 487214 | 47.413 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 8.04 | 93 | 635922 | 47.049 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.15 | 162 | 460198 | 48.664 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.24 | 180 | 494268 | 47.406 | ng | | 98 |
| 31) Naphthalene | 8.32 | 128 | 1484160 | 48.146 | ng | | 99 |
| 32) Benzoic acid | 8.07 | 122 | 217290 | 37.878 | ng | | 95 |
| 33) 4-Chloroaniline | 8.37 | 127 | 415403 | 30.922 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.43 | 225 | 314092 | 47.587 | ng | | 99 |
| 35) Caprolactam | 8.75 | 113 | 131741m | 44.455 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.85 | 107 | 475007 | 46.562 | ng | | 99 |
| 37) 2-Methylnaphthalene | 9.02 | 142 | 1034703 | 47.442 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.18 | 216 | 513534 | 49.239 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.17 | 237 | 563991 | 83.722 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.30 | 196 | 338368 | 52.282 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.34 | 196 | 366280 | 51.411 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.48 | 154 | 1234902 | 49.317 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.51 | 162 | 965359 | 48.778 | ng | | 96 |
| 47) 2-Nitroaniline | 9.61 | 65 | 319028 | 49.820 | ng | | 93 |
| 48) Acenaphthylene | 9.93 | 152 | 1532915 | 48.994 | ng | | 99 |
| 49) Dimethylphthalate | 9.78 | 163 | 1123045 | 47.471 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.85 | 165 | 250416 | 50.593 | ng | | 96 |
| 51) Acenaphthene | 10.10 | 154 | 900589 | 46.995 | ng | | 99 |
| 52) 3-Nitroaniline | 10.02 | 138 | 200289 | 36.985 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 10.13 | 184 | 180507 | 95.916 | ng | # | 20 |
| 54) Dibenzofuran | 10.27 | 168 | 1330065 | 47.906 | ng | | 96 |
| 55) 4-Nitrophenol | 10.18 | 139 | 377067 | 91.948 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 10.25 | 165 | 335257 | 52.622 | ng | # | 97 |
| 57) Fluorene | 10.62 | 166 | 1066299 | 48.516 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.39 | 232 | 300948 | 50.539 | ng | # | 85 |
| 59) Diethylphthalate | 10.48 | 149 | 1080666 | 47.174 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.60 | 204 | 546392 | 47.710 | ng | | 95 |
| 61) 4-Nitroaniline | 10.64 | 138 | 265067 | 49.507 | ng | | 95 |
| 62) Azobenzene | 10.77 | 77 | 1103049 | 46.625 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.67 | 198 | 124257 | 48.581 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 10.72 | 169 | 958520 | 47.683 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 11.10 | 248 | 359959 | 48.692 | ng | # | 81 |
| 67) Hexachlorobenzene | 11.17 | 284 | 372868 | 47.938 | ng | # | 90 |
| 68) Atrazine | 11.25 | 200 | 328707 | 48.752 | ng | | 96 |
| 69) Pentachlorophenol | 11.37 | 266 | 359125 | 96.463 | ng | | 96 |
| 70) Phenanthrene | 11.59 | 178 | 1540905 | 48.025 | ng | | 99 |
| 71) Anthracene | 11.64 | 178 | 1574920 | 47.892 | ng | | 98 |
| 72) Carbazole | 11.80 | 167 | 1390887 | 47.605 | ng | | 99 |
| 73) Di-n-butylphthalate | 12.11 | 149 | 1634343 | 49.385 | ng | | 99 |
| 74) Fluoranthene | 12.78 | 202 | 1656404 | 47.303 | ng | | 96 |
| 76) Benzidine | 12.90 | 184 | 793682 | 41.427 | ng | | 98 |
| 77) Pyrene | 13.02 | 202 | 1650231 | 50.832 | ng | | 97 |
| 79) Butylbenzylphthalate | 13.62 | 149 | 703655 | 54.585 | ng | # | 97 |
| 80) Benzo(a)anthracene | 14.21 | 228 | 1436452 | 48.812 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 14.17 | 252 | 351350 | 33.315 | ng | # | 96 |
| 82) Chrysene | 14.25 | 228 | 1308406 | 48.496 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.17 | 149 | 883030 | 50.584 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.79 | 149 | 1374879 | 51.642 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.41 | 276 | 992424 | 42.454 | ng | # | 90 |
| 87) Benzo(b)fluoranthene | 15.31 | 252 | 1145506 | 52.140 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 15.35 | 252 | 1006757 | 49.851 | ng | # | 96 |
| 89) Benzo(a)pyrene | 15.72 | 252 | 982612 | 49.947 | ng | | 96 |
| 90) Dibenzo(a,h)anthracene | 17.43 | 278 | 829406 | 50.954 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 17.91 | 276 | 841796 | 52.519 | ng | # | 90 |

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

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