Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106846.D
Acq On : 27 Jun 2018 2:29
Operator : JU/SJ
Sample : PB110563BSD
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB110563BSD

**Manual Integrations APPROVED**
Sohil
6/27/2018 2:14:36 PM

Quant Time: Jun 27 05:30:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 25 18:50:17 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.96 | 152 | 42212 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.24 | 136 | 155505 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.00 | 164 | 70412 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.49 | 188 | 132474 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.15 | 240 | 122094 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.68 | 264 | 86107 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 201991 | 81.03 | ng | | 0.00 |
| 7) Phenol-d6 | 6.61 | 99 | 247719 | 79.57 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.52 | 82 | 229022 | 81.85 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 66097 | 80.99 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.32 | 172 | 423041 | 105.20 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.08 | 244 | 472520 | 93.75 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.87 | 88 | 41294 | 32.220 | ng | | 99 |
| 3) Pyridine | 3.64 | 79 | 118190 | 34.004 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.61 | 42 | 48524 | 32.870 | ng | | 85 |
| 6) Aniline | 6.62 | 93 | 45268 | 10.720 | ng | # | 30 |
| 8) 2-Chlorophenol | 6.75 | 128 | 108586 | 39.714 | ng | | 95 |
| 9) Benzaldehyde | 6.51 | 77 | 76175 | 34.801 | ng | | 98 |
| 10) Phenol | 6.62 | 94 | 130489 | 36.729 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.70 | 93 | 109234 | 37.243 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.90 | 146 | 129249 | 40.360 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.98 | 146 | 130479 | 40.301 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.13 | 146 | 120273 | 40.535 | ng | | 98 |
| 15) Benzyl Alcohol | 7.10 | 79 | 92225 | 36.894 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.23 | 45 | 149600 | 38.875 | ng | | 73 |
| 17) 2-Methylphenol | 7.22 | 107 | 90682 | 38.755 | ng | # | 91 |
| 18) Hexachloroethane | 7.47 | 117 | 35825 | 31.466 | ng | | 89 |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70 | 74442 | 36.277 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.38 | 107 | 114977 | 45.727 | ng | | 96 |
| 22) Acetophenone | 7.37 | 105 | 149698 | 43.029 | ng | # | 99 |
| 24) Nitrobenzene | 7.54 | 77 | 112910 | 39.523 | ng | | 98 |
| 25) Isophorone | 7.78 | 82 | 203799 | 41.332 | ng | | 97 |
| 26) 2-Nitrophenol | 7.86 | 139 | 44675 | 33.126 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.90 | 122 | 93494 | 44.852 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93 | 132521 | 40.029 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.11 | 162 | 88774 | 40.678 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 8.18 | 180 | 106912 | 44.471 | ng | | 95 |
| 31) Naphthalene | 8.27 | 128 | 304182 | 41.839 | ng | | 99 |
| 32) Benzoic acid | 7.98 | 122 | 20388m | 17.572 | ng | | |
| 33) 4-Chloroaniline | 8.31 | 127 | 20137 | 6.601 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.37 | 225 | 71325 | 45.531 | ng | | 99 |
| 35) Caprolactam | 8.68 | 113 | 24260m | 34.103 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.81 | 107 | 87491 | 38.088 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.95 | 142 | 215820 | 44.786 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216 | 112939 | 47.628 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 9.10 | 237 | 7660 | 6.279 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.24 | 196 | 58369 | 37.031 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 9.29 | 196 | 59328 | 36.072 | ng | # | 87 |
| 45) 1,1'-Biphenyl | 9.42 | 154 | 255853 | 45.594 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.45 | 162 | 182190 | 41.247 | ng | | 96 |
| 47) 2-Nitroaniline | 9.55 | 65 | 54514 | 36.702 | ng | | 99 |
| 48) Acenaphthylene | 9.87 | 152 | 284455 | 40.790 | ng | | 100 |
| 49) Dimethylphthalate | 9.71 | 163 | 221309 | 41.907 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.78 | 165 | 46024 | 41.157 | ng | | 91 |
| 51) Acenaphthene | 10.04 | 154 | 167848 | 38.222 | ng | | 97 |
| 52) 3-Nitroaniline | 9.95 | 138 | 30548 | 23.739 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 10.07 | 184 | 4122 | 11.968 | ng | # | 21 |
| 54) Dibenzofuran | 10.21 | 168 | 261018 | 43.408 | ng | | 96 |
| 55) 4-Nitrophenol | 10.14 | 139 | 43752 | 48.709 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 10.19 | 165 | 56500 | 38.708 | ng | | 88 |
| 57) Fluorene | 10.55 | 166 | 195351 | 40.940 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.33 | 232 | 47393 | 36.249 | ng | # | 79 |
| 59) Diethylphthalate | 10.41 | 149 | 204511 | 40.123 | ng | # | 93 |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204 | 105097 | 42.095 | ng | | 88 |
| 61) 4-Nitroaniline | 10.57 | 138 | 48624 | 38.074 | ng | | 97 |
| 62) Azobenzene | 10.70 | 77 | 177426 | 35.349 | ng | | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 10.60 | 198 | 5863 | 7.160 | ng | # | 74 |
| 65) n-Nitrosodiphenylamine | 10.66 | 169 | 171035 | 38.385 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.03 | 248 | 68311 | 43.207 | ng | # | 79 |
| 67) Hexachlorobenzene | 11.10 | 284 | 70254 | 42.456 | ng | # | 82 |
| 68) Atrazine | 11.18 | 200 | 58133 | 41.040 | ng | | 95 |
| 69) Pentachlorophenol | 11.30 | 266 | 29513 | 35.745 | ng | | 97 |
| 70) Phenanthrene | 11.52 | 178 | 277613 | 43.448 | ng | | 99 |
| 71) Anthracene | 11.57 | 178 | 288289 | 44.204 | ng | | 99 |
| 72) Carbazole | 11.73 | 167 | 255003 | 41.763 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.04 | 149 | 293216 | 40.762 | ng | | 99 |
| 74) Fluoranthene | 12.71 | 202 | 320370 | 45.491 | ng | | 94 |
| 76) Benzidine | 12.83 | 184 | 122314 | 35.176 | ng | | 98 |
| 77) Pyrene | 12.94 | 202 | 323801 | 40.217 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.54 | 149 | 127486 | 38.512 | ng | # | 97 |
| 80) Benzo(a)anthracene | 14.14 | 228 | 305388 | 41.040 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 14.09 | 252 | 76064 | 29.084 | ng | # | 96 |
| 82) Chrysene | 14.17 | 228 | 286714 | 41.881 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.09 | 149 | 174439 | 41.218 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 14.72 | 149 | 303986 | 44.066 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 17.25 | 276 | 202874 | 34.920 | ng | # | 90 |
| 87) Benzo(b)fluoranthene | 15.22 | 252 | 231224m | 43.228 | ng | | |
| 88) Benzo(k)fluoranthene | 15.25 | 252 | 224159m | 44.007 | ng | | |
| 89) Benzo(a)pyrene | 15.61 | 252 | 209790 | 44.119 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 17.27 | 278 | 169621 | 42.091 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 17.73 | 276 | 166687 | 42.318 | ng | # | 91 |

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

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