Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110166.D
Acq On : 25 Oct 2018 17:54
Operator : JU/SJ
Sample : J5636-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
HP-GRID-BMS

**Manual Integrations APPROVED**
Sohil
10/26/2018 3:49:18 PM

Quant Time: Oct 26 04:22:55 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 156450 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.25 | 136 | 629390 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 10.01 | 164 | 299850 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 11.50 | 188 | 543574 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 14.15 | 240 | 296489 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.67 | 264 | 275136 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 1298181 | 135.12 | ng | | 0.00 |
| 7) Phenol-d6 | 6.60 | 99 | 1665530 | 135.54 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.53 | 82 | 1051339 | 99.08 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.81 | 330 | 391453 | 131.79 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.33 | 172 | 1753857 | 91.85 | ng | | -0.01 |
| 79) Terphenyl-d14 | 13.09 | 244 | 1446420 | 101.46 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.90 | 88 | 142114 | 28.234 | ng | | 90 |
| 3) Pyridine | 3.68 | 79 | 416654 | 37.164 | ng | # | 85 |
| 4) n-Nitrosodimethylamine | 3.63 | 42 | 214055 | 45.572 | ng | | 90 |
| 6) Aniline | 6.64 | 93 | 317813 | 19.854 | ng | # | 52 |
| 8) 2-Chlorophenol | 6.76 | 128 | 440676 | 39.785 | ng | | 99 |
| 9) Benzaldehyde | 6.52 | 77 | 229847 | 29.989 | ng | | 97 |
| 10) Phenol | 6.61 | 94 | 691170 | 52.619 | ng | # | 68 |
| 11) bis(2-Chloroethyl)ether | 6.70 | 93 | 409957 | 37.935 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.91 | 146 | 455880 | 37.400 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.99 | 146 | 468434 | 37.998 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.14 | 146 | 429656 | 37.543 | ng | | 100 |
| 15) Benzyl Alcohol | 7.11 | 79 | 398450 | 42.158 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.23 | 45 | 676708 | 39.164 | ng | | 68 |
| 17) 2-Methylphenol | 7.22 | 107 | 370063 | 41.922 | ng | # | 80 |
| 18) Hexachloroethane | 7.48 | 117 | 169816 | 37.624 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70 | 303634 | 38.515 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.37 | 107 | 467179 | 40.943 | ng | | 91 |
| 22) Acetophenone | 7.37 | 105 | 607606 | 41.897 | ng | | 95 |
| 24) Nitrobenzene | 7.55 | 77 | 466783 | 42.608 | ng | | 97 |
| 25) Isophorone | 7.79 | 82 | 850854 | 47.039 | ng | | 96 |
| 26) 2-Nitrophenol | 7.87 | 139 | 234113 | 44.907 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 7.89 | 122 | 407072 | 47.096 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.99 | 93 | 534156 | 43.470 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.10 | 162 | 379310 | 43.438 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.19 | 180 | 392045 | 40.081 | ng | | 96 |
| 31) Naphthalene | 8.27 | 128 | 1285194 | 44.305 | ng | | 100 |
| 32) Benzoic acid | 7.89 | 122 | 407072 | 60.936 | ng | # | 11 |
| 33) 4-Chloroaniline | 8.32 | 127 | 135990 | 10.417 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.38 | 225 | 208807 | 38.448 | ng | | 98 |
| 35) Caprolactam | 8.69 | 113 | 132922m | 43.673 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.80 | 107 | 411808 | 43.611 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.97 | 142 | 877206 | 45.706 | ng | | 98 |
| 38) 1-Methylnaphthalene | 9.07 | 142 | 821483 | 44.292 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.13 | 216 | 361649 | 38.709 | ng | | 98 |

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|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.12 | 237 | 308595 | 64.597 ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.25 | 196 | 257391 | 42.714 ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 9.28 | 196 | 272640 | 42.803 ng | | 94 |
| 46) 1,1'-Biphenyl | 9.43 | 154 | 1041368 | 38.405 ng | | 99 |
| 47) 2-Chloronaphthalene | 9.46 | 162 | 790265 | 39.732 ng | | 98 |
| 48) 2-Nitroaniline | 9.55 | 65 | 267249 | 44.340 ng | | 97 |
| 49) Acenaphthylene | 9.87 | 152 | 1254438 | 43.666 ng | | 98 |
| 50) Dimethylphthalate | 9.73 | 163 | 1187123 | 53.633 ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.80 | 165 | 212153 | 44.497 ng | # | 83 |
| 52) Acenaphthene | 10.05 | 154 | 767854 | 40.403 ng | | 97 |
| 53) 3-Nitroaniline | 9.96 | 138 | 143285 | 25.272 ng | | 93 |
| 54) 2,4-Dinitrophenol | 10.07 | 184 | 21308 | 15.707 ng | | 88 |
| 55) Dibenzofuran | 10.22 | 168 | 1081018 | 40.627 ng | | 96 |
| 56) 4-Nitrophenol | 10.13 | 139 | 450390 | 107.330 ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.20 | 165 | 276918 | 45.727 ng | # | 82 |
| 58) Fluorene | 10.56 | 166 | 854098 | 43.129 ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.33 | 232 | 217440m | 41.881 ng | | |
| 60) Diethylphthalate | 10.43 | 149 | 906734 | 41.966 ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.55 | 204 | 399153 | 38.208 ng | | 98 |
| 62) 4-Nitroaniline | 10.59 | 138 | 214348 | 38.010 ng | | 91 |
| 63) Azobenzene | 10.71 | 77 | 872069 | 40.662 ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.61 | 198 | 60605 | 24.404 ng | | 93 |
| 66) n-Nitrosodiphenylamine | 10.67 | 169 | 767465 | 43.045 ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 11.05 | 248 | 241777 | 41.006 ng | | 98 |
| 68) Hexachlorobenzene | 11.11 | 284 | 243021 | 38.846 ng | # | 90 |
| 69) Atrazine | 11.20 | 200 | 246736 | 43.791 ng | | 99 |
| 70) Pentachlorophenol | 11.30 | 266 | 204455 | 56.046 ng | | 97 |
| 71) Phenanthrene | 11.53 | 178 | 1356656 | 47.698 ng | | 99 |
| 72) Anthracene | 11.58 | 178 | 1275685 | 44.747 ng | | 100 |
| 73) Carbazole | 11.73 | 167 | 1064920 | 38.257 ng | | 100 |
| 74) Di-n-butylphthalate | 12.05 | 149 | 1314607 | 41.816 ng | | 100 |
| 75) Fluoranthene | 12.72 | 202 | 1284871 | 44.512 ng | | 99 |
| 77) Benzidine | 12.84 | 184 | 290552 | 29.776 ng | | 96 |
| 78) Pyrene | 12.96 | 202 | 1238938 | 58.287 ng | | 99 |
| 80) Butylbenzylphthalate | 13.56 | 149 | 450153 | 48.792 ng | | 97 |
| 81) Benzo(a)anthracene | 14.14 | 228 | 820044 | 46.640 ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 14.10 | 252 | 148419 | 24.242 ng | | 98 |
| 83) Chrysene | 14.18 | 228 | 758601 | 45.426 ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.11 | 149 | 595301 | 47.733 ng | | 96 |
| 85) Di-n-octyl phthalate | 14.73 | 149 | 886150 | 45.696 ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 17.24 | 276 | 659439 | 47.599 ng | | 96 |
| 88) Benzo(b)fluoranthene | 15.22 | 252 | 746342 | 46.975 ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.25 | 252 | 596814m | 38.209 ng | | |
| 90) Benzo(a)pyrene | 15.61 | 252 | 654761 | 44.786 ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.26 | 278 | 551954 | 43.755 ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.72 | 276 | 515361 | 41.459 ng | # | 95 |

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

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