Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
Data File : BF097668.D
Acq On : 13 Aug 2017 11:41
Operator : SJ/JU
Sample : I4736-08MSD
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-10-COMPMSD

**Manual Integrations APPROVED**
sohil
8/14/2017 7:08:29 PM

Quant Time: Aug 14 08:05:14 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 11 15:55:57 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.50 | 152 | 118759 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 9.53 | 136 | 481067 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 12.35 | 164 | 194403 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 14.75 | 188 | 266443 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 18.45 | 240 | 193083 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 20.12 | 264 | 166456 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 785084 | 105.08 | ng | | 0.03 |
| 7) Phenol-d6 | 7.08 | 99 | 795761 | 85.86 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 8.42 | 82 | 537117 | 70.01 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 13.65 | 330 | 103444 | 70.00 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 11.30 | 172 | 653604 | 50.74 | ng | | -0.02 |
| 78) Terphenyl-d14 | 17.10 | 244 | 384070 | 41.17 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.86 | 88 | 104956 | 32.370 | ng | # | 73 |
| 3) Pyridine | 2.45 | 79 | 285118 | 30.149 | ng | # | 62 |
| 4) n-Nitrosodimethylamine | 2.41 | 42 | 177311 | 32.314 | ng | # | 78 |
| 6) Aniline | 7.00 | 93 | 228757 | 17.173 | ng | | 99 |
| 8) 2-Chlorophenol | 7.20 | 128 | 249369 | 29.115 | ng | | 95 |
| 9) Benzaldehyde | 6.82 | 77 | 102051 | 16.698 | ng | | 93 |
| 10) Phenol | 7.10 | 94 | 335353 | 33.046 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.15 | 93 | 250538 | 30.780 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 7.40 | 146 | 251077 | 26.176 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.53 | 146 | 271164 | 27.774 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 7.76 | 146 | 270501 | 30.360 | ng | | 98 |
| 15) Benzyl Alcohol | 7.80 | 79 | 236030 | 36.854 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.00 | 45 | 576069 | 31.523 | ng | | 91 |
| 17) 2-Methylphenol | 8.05 | 107 | 217271 | 32.731 | ng | | 99 |
| 18) Hexachloroethane | 8.27 | 117 | 84265 | 25.227 | ng | # | 78 |
| 19) n-Nitroso-di-n-propylamine | 8.23 | 70 | 200027 | 31.028 | ng | # | 81 |
| 20) 3+4-Methylphenols | 8.31 | 107 | 273269 | 33.614 | ng | # | 59 |
| 22) Acetophenone | 8.19 | 105 | 373656 | 32.878 | ng | # | 99 |
| 24) Nitrobenzene | 8.45 | 77 | 304905 | 36.469 | ng | | 98 |
| 25) Isophorone | 8.85 | 82 | 487552 | 34.498 | ng | | 98 |
| 26) 2-Nitrophenol | 8.96 | 139 | 132617 | 31.360 | ng | # | 84 |
| 27) 2,4-Dimethylphenol | 9.11 | 122 | 240374 | 34.086 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 9.22 | 93 | 320645 | 31.400 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 9.40 | 162 | 194330 | 31.252 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 9.46 | 180 | 181717 | 29.476 | ng | | 97 |
| 31) Naphthalene | 9.56 | 128 | 705819 | 29.292 | ng | | 100 |
| 33) 4-Chloroaniline | 9.72 | 127 | 168145 | 16.845 | ng | | 97 |
| 34) Hexachlorobutadiene | 9.78 | 225 | 93492 | 27.762 | ng | | 98 |
| 35) Caprolactam | 10.30 | 113 | 61000 | 30.447 | ng | # | 41 |
| 36) 4-Chloro-3-methylphenol | 10.59 | 107 | 216410 | 30.975 | ng | | 90 |
| 37) 2-Methylnaphthalene | 10.69 | 142 | 461709 | 30.453 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 10.97 | 216 | 153763 | 27.933 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 10.94 | 237 | 2973 | 14.065 | ng | | 95 |
| 42) 2,4,6-Trichlorophenol | 11.20 | 196 | 98154 | 27.063 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 11.30 | 196 | 89127 | 26.018 | ng | | 99 |
| 45) 1,1'-Biphenyl | 11.46 | 154 | 445455 | 26.708 | ng | | 97 |
| 46) 2-Chloronaphthalene | 11.47 | 162 | 332949 | 25.999 | ng | # | 92 |
| 47) 2-Nitroaniline | 11.69 | 65 | 161397 | 32.173 | ng | | 95 |
| 48) Acenaphthylene | 12.12 | 152 | 589649 | 28.964 | ng | | 98 |
| 49) Dimethylphthalate | 12.00 | 163 | 589403 | 39.340 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 12.10 | 165 | 92629 | 29.939 | ng | # | 69 |
| 51) Acenaphthene | 12.41 | 154 | 338915 | 27.779 | ng | | 99 |
| 52) 3-Nitroaniline | 12.37 | 138 | 92900 | 22.933 | ng | | 95 |
| 54) Dibenzofuran | 12.70 | 168 | 510263 | 29.875 | ng | | 99 |
| 55) 4-Nitrophenol | 12.80 | 139 | 58456 | 37.890 | ng | # | 58 |
| 56) 2,4-Dinitrotoluene | 12.77 | 165 | 120280 | 29.127 | ng | # | 73 |
| 57) Fluorene | 13.24 | 166 | 387155 | 27.562 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 12.95 | 232 | 59973 | 25.492 | ng | | 96 |
| 59) Diethylphthalate | 13.15 | 149 | 448858 | 31.720 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 13.27 | 204 | 166867 | 27.827 | ng | | 95 |
| 61) 4-Nitroaniline | 13.37 | 138 | 95542 | 24.725 | ng | | 92 |
| 62) Azobenzene | 13.53 | 77 | 441314 | 31.347 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 13.46 | 198 | 6105 | 3.756 | ng | # | 1 |
| 65) n-Nitrosodiphenylamine | 13.49 | 169 | 329810 | 33.496 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 14.06 | 248 | 86045 | 31.128 | ng | | 92 |
| 67) Hexachlorobenzene | 14.14 | 284 | 84824 | 28.170 | ng | # | 86 |
| 68) Atrazine | 14.40 | 200 | 93529 | 37.858 | ng | | 95 |
| 69) Pentachlorophenol | 14.53 | 266 | 5920m | 16.038 | ng | | |
| 70) Phenanthrene | 14.79 | 178 | 485382 | 31.629 | ng | | 99 |
| 71) Anthracene | 14.87 | 178 | 461297 | 29.379 | ng | | 97 |
| 72) Carbazole | 15.17 | 167 | 441124 | 29.512 | ng | | 99 |
| 73) Di-n-butylphthalate | 15.74 | 149 | 556772 | 31.823 | ng | | 99 |
| 74) Fluoranthene | 16.55 | 202 | 402745 | 29.044 | ng | | 99 |
| 76) Benzidine | 16.78 | 184 | 229192 | 36.018 | ng | # | 93 |
| 77) Pyrene | 16.86 | 202 | 412489 | 25.834 | ng | | 99 |
| 79) Butylbenzylphthalate | 17.77 | 149 | 209461 | 31.379 | ng | # | 73 |
| 80) Benzo(a)anthracene | 18.44 | 228 | 342503 | 30.372 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 18.42 | 252 | 112485 | 28.921 | ng | | 98 |
| 82) Chrysene | 18.48 | 228 | 336625 | 30.012 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 18.52 | 149 | 314006 | 33.074 | ng | | 98 |
| 84) Di-n-octyl phthalate | 19.29 | 149 | 525050 | 31.667 | ng | # | 91 |
| 85) Indeno(1,2,3-cd)pyrene | 21.33 | 276 | 253144 | 29.017 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 19.71 | 252 | 325157m | 32.531 | ng | | |
| 88) Benzo(k)fluoranthene | 19.74 | 252 | 277161m | 27.532 | ng | | |
| 89) Benzo(a)pyrene | 20.06 | 252 | 281576 | 30.692 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 21.33 | 278 | 208352 | 31.719 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 21.68 | 276 | 209330 | 29.049 | ng | | 96 |

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

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