Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
Data File : BF099026.D
Acq On : 3 Oct 2017 12:48
Operator : SJ/JU
Sample : PB102810BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB102810BS

**Manual Integrations APPROVED**
Sohil
10/4/2017 7:21:14 PM

Quant Time: Oct 03 18:41:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 03 17:12:12 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 136289 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.16 | 136 | 577808 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.92 | 164 | 263466 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.40 | 188 | 468264 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.04 | 240 | 326496 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.52 | 264 | 267989 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.51 | 112 | 1080640 | 126.22 | ng | | 0.02 |
| 7) Phenol-d6 | 6.51 | 99 | 1325564 | 125.51 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.44 | 82 | 819783 | 90.99 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.71 | 330 | 291172 | 135.06 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.23 | 172 | 1485026 | 94.10 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.99 | 244 | 1266376 | 88.21 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.76 | 88 | 148065 | 36.205 | ng | | 97 |
| 3) Pyridine | 3.52 | 79 | 428666 | 38.746 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.48 | 42 | 180785 | 38.535 | ng | | 85 |
| 6) Aniline | 6.54 | 93 | 267240 | 18.748 | ng | | 100 |
| 8) 2-Chlorophenol | 6.66 | 128 | 395948 | 40.839 | ng | | 97 |
| 9) Benzaldehyde | 6.43 | 77 | 198480 | 32.397 | ng | | 95 |
| 10) Phenol | 6.52 | 94 | 486876 | 41.220 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.61 | 93 | 376010 | 40.948 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.82 | 146 | 416211 | 40.991 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 419011 | 40.559 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.05 | 146 | 392609 | 41.129 | ng | | 98 |
| 15) Benzyl Alcohol | 7.02 | 79 | 335057 | 43.245 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45 | 573667 | 40.098 | ng | | 98 |
| 17) 2-Methylphenol | 7.13 | 107 | 342900 | 43.224 | ng | | 98 |
| 18) Hexachloroethane | 7.39 | 117 | 149474 | 40.253 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70 | 263681 | 39.104 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.28 | 107 | 404416 | 40.297 | ng | # | 74 |
| 22) Acetophenone | 7.29 | 105 | 531184 | 37.944 | ng | # | 97 |
| 24) Nitrobenzene | 7.46 | 77 | 407620 | 39.882 | ng | | 98 |
| 25) Isophorone | 7.70 | 82 | 767739 | 41.214 | ng | | 98 |
| 26) 2-Nitrophenol | 7.77 | 139 | 224279 | 45.633 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 385562 | 41.540 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93 | 490231 | 42.229 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.02 | 162 | 348032 | 43.673 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.10 | 180 | 335765 | 42.127 | ng | | 99 |
| 31) Naphthalene | 8.18 | 128 | 1144218 | 42.164 | ng | | 100 |
| 32) Benzoic acid | 7.93 | 122 | 229925 | 30.157 | ng | | 99 |
| 33) 4-Chloroaniline | 8.22 | 127 | 102679 | 9.061 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 164530 | 40.077 | ng | | 99 |
| 35) Caprolactam | 8.60 | 113 | 127159m | 49.744 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.71 | 107 | 367279 | 41.004 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.87 | 142 | 799132 | 45.298 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 305908 | 38.933 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.02 | 237 | 291225 | 81.104 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.15 | 196 | 229496 | 41.229 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.19 | 196 | 238032 | 42.837 | ng | | 98 |
| 45) 1,1'-Biphenyl | 9.33 | 154 | 916117 | 40.459 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.36 | 162 | 719561 | 42.324 | ng | | 97 |
| 47) 2-Nitroaniline | 9.46 | 65 | 219405 | 42.147 | ng | | 96 |
| 48) Acenaphthylene | 9.78 | 152 | 1111793 | 42.719 | ng | | 100 |
| 49) Dimethylphthalate | 9.63 | 163 | 859844 | 43.241 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.70 | 165 | 190446 | 43.992 | ng | | 95 |
| 51) Acenaphthene | 9.95 | 154 | 667566 | 40.493 | ng | | 100 |
| 52) 3-Nitroaniline | 9.86 | 138 | 88189 | 17.471 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 9.98 | 184 | 169583 | 75.588 | ng | | 89 |
| 54) Dibenzofuran | 10.12 | 168 | 993193 | 45.247 | ng | | 99 |
| 55) 4-Nitrophenol | 10.03 | 139 | 333964 | 78.245 | ng | | 88 |
| 56) 2,4-Dinitrotoluene | 10.10 | 165 | 261328 | 46.513 | ng | | 96 |
| 57) Fluorene | 10.46 | 166 | 759138 | 43.028 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.24 | 232 | 179890 | 46.865 | ng | | 98 |
| 59) Diethylphthalate | 10.33 | 149 | 821518 | 42.280 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204 | 336878 | 42.507 | ng | | 99 |
| 61) 4-Nitroaniline | 10.49 | 138 | 211665 | 43.464 | ng | | 92 |
| 62) Azobenzene | 10.62 | 77 | 791125 | 44.282 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 109949 | 38.592 | ng | | 83 |
| 65) n-Nitrosodiphenylamine | 10.57 | 169 | 684678 | 42.206 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.95 | 248 | 200686 | 43.784 | ng | # | 89 |
| 67) Hexachlorobenzene | 11.01 | 284 | 200416 | 40.940 | ng | | 99 |
| 68) Atrazine | 11.10 | 200 | 220653 | 45.209 | ng | | 99 |
| 69) Pentachlorophenol | 11.20 | 266 | 212598 | 69.780 | ng | | 98 |
| 70) Phenanthrene | 11.43 | 178 | 1065134 | 42.495 | ng | | 99 |
| 71) Anthracene | 11.48 | 178 | 1099667 | 42.878 | ng | | 100 |
| 72) Carbazole | 11.63 | 167 | 1048561 | 41.751 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.95 | 149 | 1270054 | 42.014 | ng | | 100 |
| 74) Fluoranthene | 12.62 | 202 | 1087527 | 42.848 | ng | | 99 |
| 76) Benzidine | 12.73 | 184 | 278621 | 23.072 | ng | | 99 |
| 77) Pyrene | 12.85 | 202 | 1105818 | 44.417 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.45 | 149 | 525459 | 44.908 | ng | | 97 |
| 80) Benzo(a)anthracene | 14.03 | 228 | 854445 | 43.219 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.99 | 252 | 102685 | 14.168 | ng | | 98 |
| 82) Chrysene | 14.07 | 228 | 802893 | 42.657 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 702999 | 43.634 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.62 | 149 | 1116092 | 43.021 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.00 | 276 | 678011 | 45.031 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.08 | 252 | 749989m | 45.517 | ng | | |
| 88) Benzo(k)fluoranthene | 15.12 | 252 | 664298 | 40.818 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.46 | 252 | 668701 | 44.212 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.02 | 278 | 558996 | 46.182 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.46 | 276 | 575480 | 48.098 | ng | | 95 |

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

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