Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098704.D
Acq On : 22 Sep 2017 18:56
Operator : SJ/JU
Sample : PB102532BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 23 01:51:26 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 22 10:38:37 2017
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB102532BS

**Manual Integrations APPROVED**
Sohil
9/25/2017 6:21:12 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.93 | 152 | 151073 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.21 | 136 | 641842 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.97 | 164 | 293018 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.46 | 188 | 526201 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.09 | 240 | 419491 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.59 | 264 | 358004 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 1216617 | 122.29 | ng | | 0.02 |
| 7) Phenol-d6 | 6.56 | 99 | 1469072 | 121.94 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.49 | 82 | 893504 | 94.43 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.76 | 330 | 366927 | 136.93 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.29 | 172 | 1595444 | 86.64 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.04 | 244 | 1502149 | 76.89 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.82 | 88 | 159163 | 33.870 | ng | | 98 |
| 3) Pyridine | 3.59 | 79 | 475808 | 38.099 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.54 | 42 | 214676 | 39.229 | ng | | 97 |
| 6) Aniline | 6.60 | 93 | 413652 | 25.919 | ng | | 99 |
| 8) 2-Chlorophenol | 6.72 | 128 | 419222 | 38.792 | ng | | 98 |
| 9) Benzaldehyde | 6.48 | 77 | 122372 | 18.109 | ng | | 97 |
| 10) Phenol | 6.57 | 94 | 509014 | 38.281 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.66 | 93 | 409362 | 39.962 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.87 | 146 | 440955 | 38.629 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.95 | 146 | 450846 | 39.023 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 7.10 | 146 | 420546 | 39.031 | ng | | 99 |
| 15) Benzyl Alcohol | 7.07 | 79 | 367608 | 42.287 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.20 | 45 | 642701 | 39.371 | ng | | 100 |
| 17) 2-Methylphenol | 7.17 | 107 | 364578 | 41.401 | ng | | 97 |
| 18) Hexachloroethane | 7.44 | 117 | 160640 | 40.389 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.34 | 70 | 286291 | 38.360 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.33 | 107 | 446852 | 39.357 | ng | # | 85 |
| 22) Acetophenone | 7.34 | 105 | 580054 | 36.533 | ng | # | 96 |
| 24) Nitrobenzene | 7.51 | 77 | 440437 | 40.301 | ng | | 100 |
| 25) Isophorone | 7.75 | 82 | 794880 | 38.518 | ng | | 99 |
| 26) 2-Nitrophenol | 7.82 | 139 | 223684 | 46.414 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.86 | 122 | 395862 | 39.060 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.96 | 93 | 511563 | 39.837 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.06 | 162 | 350253 | 40.176 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.15 | 180 | 348306 | 39.611 | ng | | 100 |
| 31) Naphthalene | 8.23 | 128 | 1194919 | 39.225 | ng | | 100 |
| 32) Benzoic acid | 7.98 | 122 | 279008 | 42.417 | ng | | 97 |
| 33) 4-Chloroaniline | 8.27 | 127 | 224516 | 17.727 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.35 | 225 | 184924 | 39.036 | ng | | 97 |
| 35) Caprolactam | 8.65 | 113 | 116572m | 42.881 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.76 | 107 | 382698 | 38.457 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.92 | 142 | 824432 | 42.148 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.09 | 216 | 304726 | 35.163 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.07 | 237 | 383968 | 101.959 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.20 | 196 | 241154 | 41.292 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.24 | 196 | 246750 | 41.204 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.39 | 154 | 930599 | 36.967 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.42 | 162 | 739929 | 39.197 | ng | | 97 |
| 47) 2-Nitroaniline | 9.50 | 65 | 238012 | 44.906 | ng | | 95 |
| 48) Acenaphthylene | 9.83 | 152 | 1131526 | 38.972 | ng | | 99 |
| 49) Dimethylphthalate | 9.69 | 163 | 864529 | 39.343 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.75 | 165 | 192167 | 44.318 | ng | | 98 |
| 51) Acenaphthene | 10.00 | 154 | 763261 | 42.352 | ng | | 97 |
| 52) 3-Nitroaniline | 9.92 | 138 | 163175 | 31.568 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 10.02 | 184 | 146163 | 77.644 | ng | | 98 |
| 54) Dibenzofuran | 10.17 | 168 | 1023100 | 41.575 | ng | | 99 |
| 55) 4-Nitrophenol | 10.07 | 139 | 374189 | 83.190 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 10.15 | 165 | 264250 | 45.364 | ng | | 96 |
| 57) Fluorene | 10.52 | 166 | 784384 | 39.656 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.29 | 232 | 197957 | 46.463 | ng | | 99 |
| 59) Diethylphthalate | 10.39 | 149 | 855646 | 39.735 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.50 | 204 | 345416 | 39.863 | ng | | 99 |
| 61) 4-Nitroaniline | 10.53 | 138 | 222509 | 44.884 | ng | | 97 |
| 62) Azobenzene | 10.67 | 77 | 840837 | 41.751 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.56 | 198 | 108312 | 42.528 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 10.63 | 169 | 708901 | 39.139 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.00 | 248 | 215673 | 40.592 | ng | | 91 |
| 67) Hexachlorobenzene | 11.06 | 284 | 230856 | 38.131 | ng | | 93 |
| 68) Atrazine | 11.15 | 200 | 223479 | 41.018 | ng | | 98 |
| 69) Pentachlorophenol | 11.26 | 266 | 277099 | 80.077 | ng | | 99 |
| 70) Phenanthrene | 11.48 | 178 | 1136487 | 39.814 | ng | | 99 |
| 71) Anthracene | 11.53 | 178 | 1181318 | 40.587 | ng | | 100 |
| 72) Carbazole | 11.68 | 167 | 1103196 | 38.790 | ng | | 99 |
| 73) Di-n-butylphthalate | 12.01 | 149 | 1326442 | 40.155 | ng | | 99 |
| 74) Fluoranthene | 12.67 | 202 | 1179742 | 41.471 | ng | | 99 |
| 76) Benzidine | 12.79 | 184 | 349603 | 20.524 | ng | | 98 |
| 77) Pyrene | 12.90 | 202 | 1211438 | 38.898 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.51 | 149 | 607256 | 47.132 | ng | | 95 |
| 80) Benzo(a)anthracene | 14.08 | 228 | 1021710 | 40.435 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 14.04 | 252 | 293407 | 32.539 | ng | | 97 |
| 82) Chrysene | 14.12 | 228 | 958206 | 39.268 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.06 | 149 | 775506 | 43.514 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.68 | 149 | 1239391 | 46.306 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 17.10 | 276 | 803895 | 42.469 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 15.14 | 252 | 903084 | 43.496 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.18 | 252 | 764637 | 36.853 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.52 | 252 | 771383 | 40.910 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 17.12 | 278 | 665346 | 41.723 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.56 | 276 | 674966 | 42.106 | ng | | 98 |

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

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