Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091217\
Data File : BF098454.D
Acq On : 12 Sep 2017 17:03
Operator : SJ/JU
Sample : PB102265BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB102265BS

**Manual Integrations APPROVED**
Sohil
9/18/2017 5:10:53 PM

Quant Time: Sep 13 01:34:00 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 02:14:50 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.66 | 152 | 221563 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.95 | 136 | 911590 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.70 | 164 | 393456 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.18 | 188 | 622725 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.82 | 240 | 390857 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.21 | 264 | 345690 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.29 | 112 | 1845926 | 123.18 | ng | | 0.01 |
| 7) Phenol-d6 | 6.32 | 99 | 2233324 | 117.38 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.24 | 82 | 1430630 | 87.49 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.49 | 330 | 352271 | 134.15 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.03 | 172 | 2215234 | 95.43 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.76 | 244 | 1496729 | 82.66 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.38 | 88 | 260852 | 33.726 | ng | | 90 |
| 3) Pyridine | 3.06 | 79 | 768926 | 37.435 | ng | | 87 |
| 4) n-Nitrosodimethylamine | 3.03 | 42 | 383979 | 38.131 | ng | | 100 |
| 6) Aniline | 6.33 | 93 | 543174 | 22.756 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.46 | 128 | 666358 | 40.439 | ng | | 96 |
| 9) Benzaldehyde | 6.21 | 77 | 432185 | 34.748 | ng | | 93 |
| 10) Phenol | 6.33 | 94 | 834284 | 37.751 | ng | | 79 |
| 11) bis(2-Chloroethyl)ether | 6.41 | 93 | 663361 | 39.812 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.60 | 146 | 677284 | 40.835 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.68 | 146 | 682595 | 40.179 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.83 | 146 | 630249 | 40.719 | ng | | 99 |
| 15) Benzyl Alcohol | 6.82 | 79 | 523072 | 41.308 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.95 | 45 | 1063955 | 38.808 | ng | | 54 |
| 17) 2-Methylphenol | 6.94 | 107 | 557404 | 41.483 | ng | # | 89 |
| 18) Hexachloroethane | 7.17 | 117 | 246238 | 37.847 | ng | # | 82 |
| 19) n-Nitroso-di-n-propylamine | 7.09 | 70 | 475519 | 39.733 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.10 | 107 | 719189 | 42.413 | ng | # | 65 |
| 22) Acetophenone | 7.08 | 105 | 941186 | 39.947 | ng | # | 92 |
| 24) Nitrobenzene | 7.26 | 77 | 736682 | 39.553 | ng | | 95 |
| 25) Isophorone | 7.50 | 82 | 1314798 | 39.742 | ng | | 98 |
| 26) 2-Nitrophenol | 7.57 | 139 | 339827 | 45.189 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 7.62 | 122 | 592380 | 41.322 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.70 | 93 | 844108 | 41.814 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.82 | 162 | 526447 | 44.155 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 7.89 | 180 | 565497 | 43.602 | ng | | 99 |
| 31) Naphthalene | 7.97 | 128 | 1871968 | 41.539 | ng | | 99 |
| 32) Benzoic acid | 7.77 | 122 | 304455 | 34.372 | ng | | 99 |
| 33) 4-Chloroaniline | 8.03 | 127 | 285034 | 15.563 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.09 | 225 | 286210 | 42.987 | ng | | 99 |
| 35) Caprolactam | 8.41 | 113 | 183817m | 44.709 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.53 | 107 | 597284 | 40.395 | ng | # | 83 |
| 37) 2-Methylnaphthalene | 8.66 | 142 | 1198781 | 43.916 | ng | | 100 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.83 | 216 | 496425 | 40.505 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.81 | 237 | 143773 | 44.966 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.95 | 196 | 328651 | 45.653 | ng | | 92 |
| 43) 2,4,5-Trichlorophenol | 8.99 | 196 | 342877 | 45.569 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.13 | 154 | 1404421 | 39.879 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.15 | 162 | 1070440 | 42.561 | ng | | 94 |
| 47) 2-Nitroaniline | 9.26 | 65 | 417817 | 43.282 | ng | | 97 |
| 48) Acenaphthylene | 9.56 | 152 | 1511268 | 40.413 | ng | | 99 |
| 49) Dimethylphthalate | 9.43 | 163 | 1300282 | 42.693 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.50 | 165 | 274590 | 43.891 | ng | # | 74 |
| 51) Acenaphthene | 9.73 | 154 | 969734 | 40.795 | ng | | 98 |
| 52) 3-Nitroaniline | 9.66 | 138 | 176968 | 23.433 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 9.78 | 184 | 38313 | 20.100 | ng | # | 74 |
| 54) Dibenzofuran | 9.90 | 168 | 1335615 | 42.650 | ng | | 98 |
| 55) 4-Nitrophenol | 9.85 | 139 | 350524 | 80.787 | ng | # | 45 |
| 56) 2,4-Dinitrotoluene | 9.90 | 165 | 308712 | 40.589 | ng | # | 48 |
| 57) Fluorene | 10.25 | 166 | 1020817 | 39.383 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.03 | 232 | 240273 | 47.515 | ng | | 97 |
| 59) Diethylphthalate | 10.13 | 149 | 1212338 | 41.855 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.24 | 204 | 493259 | 41.200 | ng | | 91 |
| 61) 4-Nitroaniline | 10.28 | 138 | 251958 | 33.036 | ng | | 88 |
| 62) Azobenzene | 10.40 | 77 | 1251646 | 40.093 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.32 | 198 | 38980 | 14.114 | ng | | 78 |
| 65) n-Nitrosodiphenylamine | 10.36 | 169 | 958957 | 47.426 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.73 | 248 | 291424 | 49.308 | ng | | 96 |
| 67) Hexachlorobenzene | 10.79 | 284 | 268003 | 44.705 | ng | # | 82 |
| 68) Atrazine | 10.89 | 200 | 295264 | 47.432 | ng | | 97 |
| 69) Pentachlorophenol | 10.99 | 266 | 228970 | 85.737 | ng | | 97 |
| 70) Phenanthrene | 11.20 | 178 | 1426547 | 43.212 | ng | | 99 |
| 71) Anthracene | 11.26 | 178 | 1447495 | 42.707 | ng | | 99 |
| 72) Carbazole | 11.42 | 167 | 1243389 | 39.363 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.74 | 149 | 1711782 | 45.229 | ng | | 100 |
| 74) Fluoranthene | 12.39 | 202 | 1277624 | 38.660 | ng | | 98 |
| 76) Benzidine | 12.52 | 184 | 832912 | 48.151 | ng | # | 93 |
| 77) Pyrene | 12.62 | 202 | 1293200 | 41.942 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.24 | 149 | 612396 | 45.782 | ng | # | 83 |
| 80) Benzo(a)anthracene | 13.80 | 228 | 985442 | 43.004 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.77 | 252 | 371156 | 41.678 | ng | # | 97 |
| 82) Chrysene | 13.84 | 228 | 983024 | 42.439 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.80 | 149 | 773842 | 46.096 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.40 | 149 | 1380617 | 47.934 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.56 | 276 | 709755 | 43.674 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 14.82 | 252 | 955914 | 43.978 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 14.84 | 252 | 866321 | 42.693 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.16 | 252 | 848544 | 43.820 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.56 | 278 | 594858 | 42.229 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 16.96 | 276 | 567425 | 40.049 | ng | | 98 |

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

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