

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF052115\  
 Data File : BF079422.D  
 Acq On : 22 May 2015 2:23  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

apatel  
 5/22/2015 4:31:45 PM

Quant Time: May 22 05:02:09 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 22 05:01:56 2015  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.073  | 152  | 48908    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.650  | 136  | 206874   | 20.00 | ng    | # 0.00   |
| 38) Acenaphthene-d10          | 10.811 | 164  | 98509    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10          | 12.651 | 188  | 189924   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12              | 15.931 | 240  | 191970   | 20.00 | ng    | # 0.00   |
| 86) Perylene-d12              | 17.623 | 264  | 200044   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.347  | 112  | 242024m  | 85.18 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.650  | 99   | 313583   | 83.50 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.770  | 82   | 304059   | 84.47 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol      | 11.794 | 330  | 91973    | 86.30 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl          | 9.999  | 172  | 623558   | 88.19 | ng    | 0.00     |
| 78) Terphenyl-d14             | 14.651 | 244  | 716271   | 89.33 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 1.907  | 88   | 61102m   | 49.46 | ng    |          |
| 3) Pyridine                   | 2.581  | 79   | 149260m  | 41.29 | ng    |          |
| 4) n-Nitrosodimethylamine     | 2.513  | 42   | 57806m   | 37.32 | ng    |          |
| 6) Aniline                    | 6.662  | 93   | 215652   | 40.68 | ng    | # 51     |
| 8) 2-Chlorophenol             | 6.799  | 128  | 140436   | 43.58 | ng    | 91       |
| 9) Benzaldehyde               | 6.513  | 77   | 95080m   | 37.58 | ng    |          |
| 10) Phenol                    | 6.662  | 94   | 185878   | 42.66 | ng    | # 51     |
| 11) bis(2-Chloroethyl)ether   | 6.765  | 93   | 135125   | 42.31 | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 6.993  | 146  | 154390   | 42.62 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.096  | 146  | 157941   | 42.37 | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 7.279  | 146  | 148917   | 42.91 | ng    | 94       |
| 15) Benzyl Alcohol            | 7.256  | 79   | 106149   | 38.07 | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.439  | 45   | 195688   | 40.05 | ng    | 95       |
| 17) 2-Methylphenol            | 7.416  | 107  | 112188   | 43.26 | ng    | 99       |
| 18) Hexachloroethane          | 7.690  | 117  | 55077    | 42.90 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.599  | 70   | 104774   | 41.30 | ng    | # 91     |
| 20) 3+4-Methylphenols         | 7.610  | 107  | 147453   | 42.67 | ng    | # 44     |
| 22) Acetophenone              | 7.587  | 105  | 196374   | 42.02 | ng    | # 83     |
| 24) Nitrobenzene              | 7.793  | 77   | 150543   | 42.19 | ng    | # 79     |
| 25) Isophorone                | 8.090  | 82   | 279579   | 41.90 | ng    | 97       |
| 26) 2-Nitrophenol             | 8.182  | 139  | 60216    | 40.78 | ng    | # 88     |
| 27) 2,4-Dimethylphenol        | 8.262  | 122  | 119147   | 40.32 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 8.376  | 93   | 175790   | 42.73 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.490  | 162  | 114216   | 43.47 | ng    | 89       |
| 30) 1,2,4-Trichlorobenzene    | 8.582  | 180  | 124399   | 43.10 | ng    | 99       |
| 31) Naphthalene               | 8.673  | 128  | 432492   | 43.88 | ng    | 99       |
| 32) Benzoic acid              | 8.376  | 122  | 74347m   | 41.20 | ng    |          |
| 33) 4-Chloroaniline           | 8.753  | 127  | 180077   | 43.17 | ng    | 94       |
| 34) Hexachlorobutadiene       | 8.833  | 225  | 69862    | 42.03 | ng    | 98       |
| 35) Caprolactam               | 9.188  | 113  | 35848    | 42.19 | ng    | # 79     |
| 36) 4-Chloro-3-methylphenol   | 9.371  | 107  | 123957   | 44.91 | ng    | 96       |
| 37) 2-Methylnaphthalene       | 9.531  | 142  | 296747   | 43.44 | ng    | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 9.736  | 216  | 117828   | 42.47 | ng    | 99       |
| 40) Hexachlorocyclopentadiene | 9.725  | 237  | 62868    | 45.06 | ng    | 97       |
| 42) 2,4,6-Trichlorophenol     | 9.885  | 196  | 79592    | 41.73 | ng    | 95       |
| 43) 2,4,5-Trichlorophenol     | 9.942  | 196  | 79096    | 41.02 | ng    | 97       |
| 45) 1,1'-Biphenyl             | 10.113 | 154  | 335871   | 42.89 | ng    | 97       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 46) 2-Chloronaphthalene       | 10.136 | 162  | 265424   | 43.45 | ng    | 92       |
| 47) 2-Nitroaniline            | 10.273 | 65   | 73938    | 41.78 | ng #  | 62       |
| 48) Acenaphthylene            | 10.639 | 152  | 445908   | 44.46 | ng    | 99       |
| 49) Dimethylphthalate         | 10.502 | 163  | 299792   | 41.47 | ng    | 99       |
| 50) 2,6-Dinitrotoluene        | 10.582 | 165  | 63169    | 44.27 | ng #  | 85       |
| 51) Acenaphthene              | 10.856 | 154  | 251512   | 42.05 | ng    | 99       |
| 52) 3-Nitroaniline            | 10.776 | 138  | 78017    | 43.77 | ng    | 98       |
| 53) 2,4-Dinitrophenol         | 10.925 | 184  | 8776     | 26.85 | ng #  | 68       |
| 54) Dibenzofuran              | 11.074 | 168  | 371691   | 43.02 | ng    | 97       |
| 55) 4-Nitrophenol             | 11.016 | 139  | 41063    | 29.11 | ng #  | 75       |
| 56) 2,4-Dinitrotoluene        | 11.074 | 165  | 81357    | 43.13 | ng #  | 51       |
| 57) Fluorene                  | 11.496 | 166  | 308989   | 43.57 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 11.234 | 232  | 60762    | 38.56 | ng    | 99       |
| 59) Diethylphthalate          | 11.382 | 149  | 308200   | 43.03 | ng    | 100      |
| 60) 4-Chlorophenyl-phenyle... | 11.508 | 204  | 134182   | 42.65 | ng    | 95       |
| 61) 4-Nitroaniline            | 11.531 | 138  | 79745    | 44.72 | ng    | 99       |
| 62) Azobenzene                | 11.702 | 77   | 297147   | 42.10 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylph... | 11.576 | 198  | 23253    | 33.54 | ng #  | 25       |
| 65) n-Nitrosodiphenylamine    | 11.656 | 169  | 269496   | 42.61 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether | 12.114 | 248  | 83227    | 42.04 | ng #  | 84       |
| 67) Hexachlorobenzene         | 12.171 | 284  | 94164    | 41.62 | ng #  | 73       |
| 68) Atrazine                  | 12.331 | 200  | 73443    | 39.93 | ng    | 99       |
| 69) Pentachlorophenol         | 12.422 | 266  | 34165    | 30.44 | ng    | 92       |
| 70) Phenanthrene              | 12.685 | 178  | 445889   | 41.97 | ng    | 99       |
| 71) Anthracene                | 12.742 | 178  | 437307   | 41.95 | ng    | 100      |
| 72) Carbazole                 | 12.959 | 167  | 426598   | 42.94 | ng    | 99       |
| 73) Di-n-butylphthalate       | 13.405 | 149  | 497223   | 41.73 | ng #  | 98       |
| 74) Fluoranthene              | 14.160 | 202  | 474092   | 42.82 | ng    | 93       |
| 76) Benzidine                 | 14.342 | 184  | 223585   | 43.22 | ng    | 98       |
| 77) Pyrene                    | 14.434 | 202  | 497561   | 44.98 | ng    | 99       |
| 79) Butylbenzylphthalate      | 15.268 | 149  | 218528   | 45.19 | ng    | 99       |
| 80) Benzo(a)anthracene        | 15.920 | 228  | 452424   | 43.04 | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine    | 15.908 | 252  | 162109   | 43.29 | ng    | 98       |
| 82) Chrysene                  | 15.965 | 228  | 438862   | 43.40 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phtha... | 15.988 | 149  | 334170   | 45.63 | ng    | 100      |
| 84) Di-n-octyl phthalate      | 16.766 | 149  | 580775   | 45.02 | ng    | 96       |
| 85) Indeno(1,2,3-cd)pyrene    | 18.949 | 276  | 594150   | 46.12 | ng    | 100      |
| 87) Benzo(b)fluoranthene      | 17.188 | 252  | 573424   | 52.37 | ng    | 98       |
| 88) Benzo(k)fluoranthene      | 17.223 | 252  | 363889m  | 34.33 | ng    |          |
| 89) Benzo(a)pyrene            | 17.554 | 252  | 447894   | 44.42 | ng #  | 97       |
| 90) Dibenzo(a,h)anthracene    | 18.971 | 278  | 487212   | 45.47 | ng    | 97       |
| 91) Benzo(g,h,i)perylene      | 19.349 | 276  | 483821   | 45.05 | ng    | 97       |

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

