

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF103116\  
 Data File : BF090922.D  
 Acq On : 31 Oct 2016 12:33  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 01 11:49:37 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 28 15:18:12 2016  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                     | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------------|--------|--------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4       | 20.000 | 20.000 | 0.0   | 82    | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 33.282 | 16.8  | 66    | -0.03    |
| 3    | Pyridine                     | 40.000 | 42.433 | -6.1  | 82    | -0.05    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 42.186 | -5.5  | 88    | -0.05    |
| 5 S  | 2-Fluorophenol               | 80.000 | 77.926 | 2.6   | 81    | -0.02    |
| 6    | Aniline                      | 40.000 | 38.886 | 2.8   | 76    | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 76.190 | 4.8   | 75    | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 39.389 | 1.5   | 75    | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 39.169 | 2.1   | 81    | -0.01    |
| 10 C | Phenol                       | 40.000 | 38.287 | 4.3   | 80    | -0.02    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.762 | 5.6   | 70    | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.674 | 0.8   | 77    | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 37.444 | 6.4   | 71    | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.401 | 1.5   | 81    | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 39.998 | 0.0   | 75    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 33.257 | 16.9  | 60    | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 36.668 | 8.3   | 70    | -0.02    |
| 18   | Hexachloroethane             | 40.000 | 38.674 | 3.3   | 80    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.779 | -1.9  | 75    | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 42.057 | -5.1  | 76    | -0.02    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 83    | -0.01    |
| 22   | Acetophenone                 | 40.000 | 41.884 | -4.7  | 82    | -0.02    |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.228 | -1.5  | 76    | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 40.502 | -1.3  | 84    | -0.01    |
| 25   | Isophorone                   | 40.000 | 44.547 | -11.4 | 92    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 45.144 | -12.9 | 75    | -0.02    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.562 | -3.9  | 73    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 43.163 | -7.9  | 79    | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.720 | -6.8  | 81    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 42.020 | -5.1  | 82    | -0.01    |
| 31   | Naphthalene                  | 40.000 | 39.764 | 0.6   | 86    | -0.01    |
| 32   | Benzoic acid                 | 40.000 | 41.664 | -4.2  | 79    | -0.05    |
| 33   | 4-Chloroaniline              | 40.000 | 39.882 | 0.3   | 71    | -0.02    |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.146 | -2.9  | 75    | -0.02    |
| 35   | Caprolactam                  | 40.000 | 36.570 | 8.6   | 65    | -0.03    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.948 | -2.4  | 78    | -0.02    |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.019 | -5.0  | 77    | -0.02    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 77    | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.871 | 0.3   | 82    | -0.01    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 39.509 | 1.2   | 79    | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 80.220 | -0.3  | 81    | -0.02    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 38.078 | 4.8   | 78    | -0.01    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.126 | -2.8  | 75    | -0.02    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 77.099 | 3.6   | 77    | -0.02    |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 40.509 | -1.3  | 79    | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.242 | -0.6  | 77    | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 36.250 | 9.4   | 72    | -0.02    |
| 48   | Acenaphthylene             | 40.000 | 41.272 | -3.2  | 77    | -0.02    |
| 49   | Dimethylphthalate          | 40.000 | 35.505 | 11.2  | 71    | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 39.399 | 1.5   | 70    | -0.02    |
| 51 C | Acenaphthene               | 40.000 | 37.152 | 7.1   | 73    | -0.02    |
| 52   | 3-Nitroaniline             | 40.000 | 36.432 | 8.9   | 68    | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 44.409 | -11.0 | 85    | -0.02    |
| 54   | Dibenzofuran               | 40.000 | 40.244 | -0.6  | 78    | -0.02    |
| 55 P | 4-Nitrophenol              | 40.000 | 37.317 | 6.7   | 68    | -0.02    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 40.140 | -0.4  | 72    | -0.02    |
| 57   | Fluorene                   | 40.000 | 43.804 | -9.5  | 83    | -0.02    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 36.638 | 8.4   | 76    | -0.01    |
| 59   | Diethylphthalate           | 40.000 | 40.323 | -0.8  | 84    | -0.02    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 38.279 | 4.3   | 81    | -0.02    |
| 61   | 4-Nitroaniline             | 40.000 | 41.364 | -3.4  | 79    | -0.02    |
| 62   | Azobenzene                 | 40.000 | 40.864 | -2.2  | 92    | -0.02    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 79    | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.951 | 0.1   | 70    | -0.02    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 42.939 | -7.3  | 84    | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.997 | -5.0  | 84    | -0.02    |
| 67   | Hexachlorobenzene          | 40.000 | 41.860 | -4.6  | 77    | -0.02    |
| 68   | Atrazine                   | 40.000 | 34.820 | 13.0  | 81    | -0.02    |
| 69 C | Pentachlorophenol          | 40.000 | 36.381 | 9.0   | 68    | -0.02    |
| 70   | Phenanthrene               | 40.000 | 41.186 | -3.0  | 78    | -0.02    |
| 71   | Anthracene                 | 40.000 | 38.073 | 4.8   | 80    | -0.02    |
| 72   | Carbazole                  | 40.000 | 40.401 | -1.0  | 80    | -0.02    |
| 73   | Di-n-butylphthalate        | 40.000 | 34.715 | 13.2  | 71    | -0.02    |
| 74 C | Fluoranthene               | 40.000 | 35.867 | 10.3  | 70    | -0.02    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 67    | -0.02    |
| 76   | Benzidine                  | 40.000 | 43.179 | -7.9  | 71    | -0.02    |
| 77   | Pyrene                     | 40.000 | 44.806 | -12.0 | 72    | -0.02    |
| 78 S | Terphenyl-d14              | 80.000 | 89.683 | -12.1 | 72    | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 45.083 | -12.7 | 78    | -0.02    |
| 80   | Benzo(a)anthracene         | 40.000 | 39.626 | 0.9   | 68    | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 37.856 | 5.4   | 58    | -0.03    |
| 82   | Chrysene                   | 40.000 | 34.711 | 13.2  | 60    | -0.03    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 34.612 | 13.5  | 57    | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 32.880 | 17.8  | 56    | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.141 | -2.9  | 75    | -0.07    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 63    | -0.03    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 37.479 | 6.3   | 52    | -0.03    |

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|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 41.290 | -3.2  | 67    | -0.03    |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.108 | 4.7   | 57    | -0.05    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 46.947 | -17.4 | 73    | -0.07    |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 49.669 | -24.2 | 80    | -0.07    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0