

Data Path : Z:\HPCHEM1\BNA F\Data\BF051815\  
 Data File : BF079311.D  
 Acq On : 18 May 2015 11:34  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 19 01:06:17 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 19 00:51:02 2015  
 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  | 79    | -0.06    |
| 2    | 1,4-Dioxane                  | 40.000 | 38.294 | 4.3  | 76    | -0.07    |
| 3    | Pyridine                     | 40.000 | 32.109 | 19.7 | 67    | -0.09    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 39.386 | 1.5  | 80    | -0.09    |
| 5 S  | 2-Fluorophenol               | 80.000 | 75.094 | 6.1  | 76    | -0.06    |
| 6    | Aniline                      | 40.000 | 36.718 | 8.2  | 74    | -0.06    |
| 7 S  | Phenol-d6                    | 80.000 | 76.011 | 5.0  | 80    | -0.05    |
| 8    | 2-Chlorophenol               | 40.000 | 37.976 | 5.1  | 81    | -0.05    |
| 9    | Benzaldehyde                 | 40.000 | 33.417 | 16.5 | 69    | -0.05    |
| 10 C | Phenol                       | 40.000 | 37.731 | 5.7  | 76    | -0.05    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.447 | 8.9  | 78    | -0.06    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.135 | 7.2  | 79    | -0.06    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 37.473 | 6.3  | 79    | -0.06    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.470 | 3.8  | 80    | -0.06    |
| 15   | Benzyl Alcohol               | 40.000 | 34.724 | 13.2 | 73    | -0.06    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 35.311 | 11.7 | 75    | -0.06    |
| 17   | 2-Methylphenol               | 40.000 | 37.008 | 7.5  | 78    | -0.05    |
| 18   | Hexachloroethane             | 40.000 | 36.923 | 7.7  | 75    | -0.06    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.984 | 5.0  | 75    | -0.05    |
| 20   | 3+4-Methylphenols            | 40.000 | 38.481 | 3.8  | 78    | -0.06    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 79    | -0.06    |
| 22   | Acetophenone                 | 40.000 | 38.054 | 4.9  | 80    | -0.05    |
| 23 S | Nitrobenzene-d5              | 80.000 | 75.415 | 5.7  | 78    | -0.06    |
| 24   | Nitrobenzene                 | 40.000 | 39.320 | 1.7  | 84    | -0.06    |
| 25   | Isophorone                   | 40.000 | 37.566 | 6.1  | 77    | -0.06    |
| 26 C | 2-Nitrophenol                | 40.000 | 39.756 | 0.6  | 78    | -0.06    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 36.768 | 8.1  | 74    | -0.06    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 37.891 | 5.3  | 76    | -0.05    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.335 | -0.8 | 83    | -0.05    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 36.988 | 7.5  | 76    | -0.06    |
| 31   | Naphthalene                  | 40.000 | 37.156 | 7.1  | 78    | -0.06    |
| 32   | Benzoic acid                 | 40.000 | 42.847 | -7.1 | 87    | -0.05    |
| 33   | 4-Chloroaniline              | 40.000 | 38.219 | 4.5  | 81    | -0.06    |
| 34 C | Hexachlorobutadiene          | 40.000 | 37.124 | 7.2  | 78    | -0.06    |
| 35   | Caprolactam                  | 40.000 | 39.452 | 1.4  | 79    | -0.06    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.088 | -2.7 | 79    | -0.05    |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.574 | 6.1  | 77    | -0.05    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 80    | -0.06    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 36.953 | 7.6  | 80    | -0.05    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 30.658 | 23.4 | 64    | -0.06    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 81.100 | -1.4 | 81    | -0.06    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 38.448 | 3.9  | 79    | -0.05    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 38.752 | 3.1  | 80    | -0.05    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 72.955 | 8.8  | 76    | -0.06    |

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|      | Compound                   | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|----------------------------|--------|--------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 37.228 | 6.9  | 80    | -0.05    |
| 46   | 2-Chloronaphthalene        | 40.000 | 36.625 | 8.4  | 80    | -0.06    |
| 47   | 2-Nitroaniline             | 40.000 | 40.585 | -1.5 | 83    | -0.06    |
| 48   | Acenaphthylene             | 40.000 | 38.693 | 3.3  | 83    | -0.06    |
| 49   | Dimethylphthalate          | 40.000 | 38.642 | 3.4  | 84    | -0.06    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 38.349 | 4.1  | 79    | -0.06    |
| 51 C | Acenaphthene               | 40.000 | 37.212 | 7.0  | 78    | -0.06    |
| 52   | 3-Nitroaniline             | 40.000 | 42.526 | -6.3 | 89    | -0.06    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 42.192 | -5.5 | 85    | -0.06    |
| 54   | Dibenzofuran               | 40.000 | 37.603 | 6.0  | 79    | -0.06    |
| 55 P | 4-Nitrophenol              | 40.000 | 36.493 | 8.8  | 77    | -0.06    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 40.708 | -1.8 | 81    | -0.06    |
| 57   | Fluorene                   | 40.000 | 37.895 | 5.3  | 82    | -0.06    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.384 | 6.5  | 76    | -0.06    |
| 59   | Diethylphthalate           | 40.000 | 37.316 | 6.7  | 79    | -0.06    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 36.501 | 8.7  | 77    | -0.06    |
| 61   | 4-Nitroaniline             | 40.000 | 43.496 | -8.7 | 88    | -0.06    |
| 62   | Azobenzene                 | 40.000 | 36.745 | 8.1  | 76    | -0.06    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 81    | -0.07    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.166 | -5.4 | 87    | -0.06    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 37.615 | 6.0  | 78    | -0.06    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 36.744 | 8.1  | 80    | -0.06    |
| 67   | Hexachlorobenzene          | 40.000 | 37.168 | 7.1  | 81    | -0.06    |
| 68   | Atrazine                   | 40.000 | 37.473 | 6.3  | 81    | -0.06    |
| 69 C | Pentachlorophenol          | 40.000 | 36.062 | 9.8  | 76    | -0.06    |
| 70   | Phenanthrene               | 40.000 | 37.385 | 6.5  | 79    | -0.06    |
| 71   | Anthracene                 | 40.000 | 37.029 | 7.4  | 79    | -0.07    |
| 72   | Carbazole                  | 40.000 | 38.458 | 3.9  | 81    | -0.07    |
| 73   | Di-n-butylphthalate        | 40.000 | 39.419 | 1.5  | 80    | -0.08    |
| 74 C | Fluoranthene               | 40.000 | 39.182 | 2.0  | 83    | -0.11    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 76    | -0.46    |
| 76   | Benzidine                  | 40.000 | 40.960 | -2.4 | 76    | -0.14    |
| 77   | Pyrene                     | 40.000 | 38.699 | 3.3  | 78    | -0.15    |
| 78 S | Terphenyl-d14              | 80.000 | 78.153 | 2.3  | 79    | -0.17    |
| 79   | Butylbenzylphthalate       | 40.000 | 43.656 | -9.1 | 82    | -0.30    |
| 80   | Benzo(a)anthracene         | 40.000 | 38.492 | 3.8  | 77    | -0.46    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.717 | -4.3 | 80    | -0.46    |
| 82   | Chrysene                   | 40.000 | 37.918 | 5.2  | 79    | -0.47    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.057 | -5.1 | 79    | -0.50#   |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.964 | -4.9 | 84    | -0.79#   |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.345 | -3.4 | 83    | -1.39#   |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 83    | -1.05#   |
| 87   | Benzo(b)fluoranthene       | 40.000 | 37.672 | 5.8  | 80    | -0.88#   |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 39.617 | 1.0  | 84    | -0.89#   |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.256 | -0.6 | 86    | -1.02#   |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.164 | -0.4 | 85    | -1.42#   |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 39.625 | 0.9  | 85    | -1.43#   |

(#) = Out of Range

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