

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080415\  
 Data File : BF080880.D  
 Acq On : 5 Aug 2015 13:44  
 Operator : TP/UM  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 05 16:26:47 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF080415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 05 01:46:16 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   | 71    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 41.932 | -4.8  | 75    | -0.01    |
| 3    | Pyridine                     | 40.000 | 44.800 | -12.0 | 72    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.485 | -1.2  | 72    | -0.01    |
| 5 S  | 2-Fluorophenol               | 80.000 | 85.148 | -6.4  | 74    | 0.00     |
| 6    | Aniline                      | 40.000 | 39.357 | 1.6   | 72    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 75.009 | 6.2   | 72    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.045 | 2.4   | 71    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 40.999 | -2.5  | 73    | 0.00     |
| 10 C | Phenol                       | 40.000 | 34.709 | 13.2  | 72    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.553 | 1.1   | 68    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.602 | 3.5   | 72    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.045 | 2.4   | 74    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.584 | 3.5   | 71    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 44.664 | -11.7 | 74    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.494 | 3.8   | 70    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.894 | 2.8   | 70    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 37.006 | 7.5   | 65    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.571 | -3.9  | 80    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 37.226 | 6.9   | 71    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 69    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.335 | -0.8  | 69    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 80.357 | -0.4  | 72    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 36.156 | 9.6   | 62    | -0.01    |
| 25   | Isophorone                   | 40.000 | 39.146 | 2.1   | 67    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 37.062 | 7.3   | 67    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.960 | -4.9  | 72    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 36.852 | 7.9   | 72    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 36.908 | 7.7   | 66    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.691 | 0.8   | 68    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.400 | 1.5   | 67    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 29.685 | 25.8# | 50    | -0.01    |
| 33   | 4-Chloroaniline              | 40.000 | 41.599 | -4.0  | 70    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.509 | 3.7   | 70    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 36.901 | 7.7   | 64    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 38.638 | 3.4   | 63    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.812 | 5.5   | 68    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 63    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.982 | 2.5   | 63    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 17.976 | 55.1# | 27    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 71.888 | 10.1  | 57    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 36.610 | 8.5   | 61    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 37.835 | 5.4   | 65    | 0.01     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 88.474 | -10.6 | 73    | 0.00     |

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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 | 39.362 | 1.6    | 64    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.704 | 3.2    | 64    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 44.010 | -10.0  | 64    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 40.828 | -2.1   | 64    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 45.964 | -14.9  | 76    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.780 | -7.0   | 69    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 39.072 | 2.3    | 60    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 40.053 | -0.1   | 60    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 11.354 | 71.6#  | 14    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 42.144 | -5.4   | 65    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 37.076 | 7.3    | 56    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 43.667 | -9.2   | 67    | 0.00     |
| 57   | Fluorene                   | 40.000 | 38.065 | 4.8    | 62    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.544 | 6.1    | 58    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 45.137 | -12.8  | 73    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 42.125 | -5.3   | 66    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 42.470 | -6.2   | 61    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 37.874 | 5.3    | 64    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 58    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 14.918 | 62.7#  | 23    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.207 | -3.0   | 63    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 44.981 | -12.5  | 63    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 38.508 | 3.7    | 60    | 0.01     |
| 68   | Atrazine                   | 40.000 | 41.537 | -3.8   | 63    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 36.510 | 8.7    | 49    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 37.432 | 6.4    | 60    | 0.00     |
| 71   | Anthracene                 | 40.000 | 42.601 | -6.5   | 59    | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.217 | 4.5    | 62    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 48.716 | -21.8  | 67    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 39.813 | 0.5    | 56    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 86    | 0.00     |
| 76   | Benzidine                  | 40.000 | 31.705 | 20.7   | 64    | 0.00     |
| 77   | Pyrene                     | 40.000 | 27.831 | 30.4#  | 58    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 57.315 | 28.4#  | 59    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 29.947 | 25.1#  | 64    | 0.01     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.357 | 1.6    | 85    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.572 | -1.4   | 90    | 0.01     |
| 82   | Chrysene                   | 40.000 | 40.913 | -2.3   | 90    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 33.708 | 15.7   | 69    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 40.415 | -1.0   | 81    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 59.166 | -47.9# | 125   | 0.02     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 132   | 0.01     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 34.585 | 13.5   | 104   | 0.01     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 38.856 | 2.9  | 150   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.550 | 3.6  | 131   | 0.01     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 38.173 | 4.6  | 126   | 0.01     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 36.190 | 9.5  | 120   | 0.01     |

(#) = Out of Range

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