

Data Path : Z:\HPCHEM1\BNA F\Data\BF060616\  
 Data File : BF087769.D  
 Acq On : 7 Jun 2016 1:55  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 07 02:31:21 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 04 11:07:28 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    | 108   | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 39.611  | 1.0    | 104   | -0.05    |
| 3    | Pyridine                     | 40.000 | 38.960  | 2.6    | 101   | -0.03    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 36.085  | 9.8    | 95    | -0.03    |
| 5 S  | 2-Fluorophenol               | 80.000 | 71.969  | 10.0   | 93    | -0.01    |
| 6    | Aniline                      | 40.000 | 34.028  | 14.9   | 91    | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 72.666  | 9.2    | 95    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.255  | 1.9    | 111   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 35.446  | 11.4   | 92    | -0.01    |
| 10 C | Phenol                       | 40.000 | 39.364  | 1.6    | 96    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.048  | -2.6   | 121   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.250  | 6.9    | 108   | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 36.051  | 9.9    | 99    | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.049  | 2.4    | 110   | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 33.633  | 15.9   | 86    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 36.056  | 9.9    | 99    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 35.482  | 11.3   | 96    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 30.855  | 22.9   | 82    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.542  | 6.1    | 110   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 33.956  | 15.1   | 97    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000  | 0.0    | 92    | -0.01    |
| 22   | Acetophenone                 | 40.000 | 40.156  | -0.4   | 87    | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.551  | -4.4   | 99    | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 42.288  | -5.7   | 90    | -0.01    |
| 25   | Isophorone                   | 40.000 | 40.508  | -1.3   | 94    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 35.561  | 11.1   | 85    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 36.582  | 8.5    | 82    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 44.183  | -10.5  | 105   | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 43.418  | -8.5   | 102   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.899  | -2.2   | 94    | -0.01    |
| 31   | Naphthalene                  | 40.000 | 38.393  | 4.0    | 89    | -0.01    |
| 32   | Benzoic acid                 | 40.000 | 22.568  | 43.6#  | 47    | -0.01    |
| 33   | 4-Chloroaniline              | 40.000 | 40.186  | -0.5   | 95    | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 46.434  | -16.1  | 104   | -0.01    |
| 35   | Caprolactam                  | 40.000 | 33.418  | 16.5   | 77    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 38.804  | 3.0    | 86    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.717  | -1.8   | 95    | -0.01    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000  | 0.0    | 82    | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 46.189  | -15.5  | 94    | -0.01    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 6.908   | 82.7#  | 15    | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 68.250  | 14.7   | 73    | -0.01    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.928  | -4.8   | 86    | -0.01    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 38.061  | 4.8    | 72    | -0.01    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 103.191 | -29.0# | 93    | -0.01    |

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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 | 40.830 | -2.1   | 90    | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.789 | 0.5    | 89    | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 42.732 | -6.8   | 92    | -0.01    |
| 48   | Acenaphthylene             | 40.000 | 40.636 | -1.6   | 84    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 46.675 | -16.7  | 90    | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.683 | -1.7   | 76    | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 38.117 | 4.7    | 78    | -0.01    |
| 52   | 3-Nitroaniline             | 40.000 | 38.192 | 4.5    | 87    | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 7.538  | 81.2#  | 8     | -0.01    |
| 54   | Dibenzofuran               | 40.000 | 39.934 | 0.2    | 79    | -0.01    |
| 55 P | 4-Nitrophenol              | 40.000 | 29.818 | 25.5#  | 72    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 35.596 | 11.0   | 65    | -0.01    |
| 57   | Fluorene                   | 40.000 | 33.945 | 15.1   | 77    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 35.175 | 12.1   | 75    | -0.01    |
| 59   | Diethylphthalate           | 40.000 | 43.438 | -8.6   | 91    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 42.901 | -7.3   | 86    | -0.01    |
| 61   | 4-Nitroaniline             | 40.000 | 43.225 | -8.1   | 80    | -0.01    |
| 62   | Azobenzene                 | 40.000 | 39.671 | 0.8    | 78    | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 74    | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 8.420  | 79.0#  | 13    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.898 | -2.2   | 78    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 47.639 | -19.1  | 81    | -0.01    |
| 67   | Hexachlorobenzene          | 40.000 | 39.589 | 1.0    | 77    | -0.01    |
| 68   | Atrazine                   | 40.000 | 27.379 | 31.6#  | 48    | -0.02    |
| 69 C | Pentachlorophenol          | 40.000 | 33.306 | 16.7   | 55    | -0.01    |
| 70   | Phenanthrene               | 40.000 | 37.127 | 7.2    | 74    | -0.01    |
| 71   | Anthracene                 | 40.000 | 41.627 | -4.1   | 73    | -0.01    |
| 72   | Carbazole                  | 40.000 | 36.000 | 10.0   | 70    | -0.01    |
| 73   | Di-n-butylphthalate        | 40.000 | 49.378 | -23.4  | 86    | -0.01    |
| 74 C | Fluoranthene               | 40.000 | 40.956 | -2.4   | 74    | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 64    | -0.02    |
| 76   | Benzidine                  | 40.000 | 43.137 | -7.8   | 60    | -0.01    |
| 77   | Pyrene                     | 40.000 | 47.423 | -18.6  | 75    | -0.01    |
| 78 S | Terphenyl-d14              | 80.000 | 99.118 | -23.9  | 86    | -0.01    |
| 79   | Butylbenzylphthalate       | 40.000 | 46.093 | -15.2  | 68    | -0.02    |
| 80   | Benzo(a)anthracene         | 40.000 | 43.791 | -9.5   | 70    | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 48.848 | -22.1  | 72    | -0.02    |
| 82   | Chrysene                   | 40.000 | 45.836 | -14.6  | 74    | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 53.984 | -35.0# | 81    | -0.01    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 52.971 | -32.4# | 83    | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.434 | -8.6   | 68    | -0.02    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 68    | -0.01    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 36.524 | 8.7    | 61    | -0.02    |

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|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 47.127 | -17.8 | 85    | -0.01    |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.728 | -4.3  | 69    | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 42.129 | -5.3  | 70    | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 40.259 | -0.6  | 67    | -0.02    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1