

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF060617\  
 Data File : BF095712.D  
 Acq On : 6 Jun 2017 16:44  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 06 17:29:52 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:15:31 2017  
 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  | 69    | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 38.741 | 3.1  | 64    | -0.02    |
| 3    | Pyridine                     | 40.000 | 39.025 | 2.4  | 65    | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 38.822 | 2.9  | 65    | -0.03    |
| 5 S  | 2-Fluorophenol               | 80.000 | 86.586 | -8.2 | 68    | -0.02    |
| 6    | Aniline                      | 40.000 | 41.074 | -2.7 | 67    | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 84.564 | -5.7 | 67    | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 42.305 | -5.8 | 67    | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 40.740 | -1.9 | 66    | -0.02    |
| 10 C | Phenol                       | 40.000 | 42.011 | -5.0 | 65    | -0.02    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 43.282 | -8.2 | 69    | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.841 | -4.6 | 71    | -0.02    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 42.215 | -5.5 | 71    | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 43.739 | -9.3 | 73    | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 42.608 | -6.5 | 70    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 41.433 | -3.6 | 69    | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 42.544 | -6.4 | 71    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 43.355 | -8.4 | 72    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 43.171 | -7.9 | 71    | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 43.821 | -9.6 | 72    | -0.02    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 71    | -0.02    |
| 22   | Acetophenone                 | 40.000 | 40.598 | -1.5 | 70    | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 80.225 | -0.3 | 70    | -0.02    |
| 24   | Nitrobenzene                 | 40.000 | 40.302 | -0.8 | 71    | -0.02    |
| 25   | Isophorone                   | 40.000 | 39.855 | 0.4  | 70    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 40.943 | -2.4 | 69    | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.271 | -3.2 | 72    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.763 | -1.9 | 70    | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.939 | -2.3 | 71    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.119 | -2.8 | 72    | -0.01    |
| 31   | Naphthalene                  | 40.000 | 40.556 | -1.4 | 72    | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 39.177 | 2.1  | 69    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 41.117 | -2.8 | 72    | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 42.069 | -5.2 | 74    | -0.02    |
| 35   | Caprolactam                  | 40.000 | 41.506 | -3.8 | 69    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.195 | -3.0 | 71    | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.614 | -1.5 | 72    | -0.01    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 76    | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.773 | -1.9 | 73    | -0.02    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 36.379 | 9.1  | 68    | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 82.723 | -3.4 | 77    | -0.02    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.210 | -3.0 | 73    | -0.01    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 42.268 | -5.7 | 72    | -0.01    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 80.217 | -0.3 | 74    | -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 | 40.597 | -1.5 | 73    | -0.02    |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.446 | -1.1 | 73    | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 39.749 | 0.6  | 67    | -0.01    |
| 48   | Acenaphthylene             | 40.000 | 40.010 | -0.0 | 71    | -0.02    |
| 49   | Dimethylphthalate          | 40.000 | 40.161 | -0.4 | 72    | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.029 | -2.6 | 70    | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 39.955 | 0.1  | 76    | -0.02    |
| 52   | 3-Nitroaniline             | 40.000 | 40.261 | -0.7 | 75    | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 38.320 | 4.2  | 74    | -0.01    |
| 54   | Dibenzofuran               | 40.000 | 40.187 | -0.5 | 76    | -0.02    |
| 55 P | 4-Nitrophenol              | 40.000 | 38.631 | 3.4  | 71    | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 41.328 | -3.3 | 76    | -0.01    |
| 57   | Fluorene                   | 40.000 | 40.339 | -0.8 | 76    | -0.02    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.020 | -0.1 | 73    | -0.01    |
| 59   | Diethylphthalate           | 40.000 | 40.191 | -0.5 | 76    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.745 | -1.9 | 77    | -0.02    |
| 61   | 4-Nitroaniline             | 40.000 | 40.914 | -2.3 | 75    | -0.01    |
| 62   | Azobenzene                 | 40.000 | 39.162 | 2.1  | 74    | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 75    | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 41.905 | -4.8 | 75    | -0.02    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.897 | 0.3  | 76    | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.952 | -2.4 | 76    | -0.02    |
| 67   | Hexachlorobenzene          | 40.000 | 41.773 | -4.4 | 77    | -0.01    |
| 68   | Atrazine                   | 40.000 | 41.540 | -3.8 | 79    | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 39.753 | 0.6  | 77    | -0.01    |
| 70   | Phenanthrene               | 40.000 | 40.540 | -1.3 | 78    | -0.01    |
| 71   | Anthracene                 | 40.000 | 40.508 | -1.3 | 78    | -0.02    |
| 72   | Carbazole                  | 40.000 | 41.581 | -4.0 | 77    | -0.02    |
| 73   | Di-n-butylphthalate        | 40.000 | 42.493 | -6.2 | 78    | -0.01    |
| 74 C | Fluoranthene               | 40.000 | 41.703 | -4.3 | 78    | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 80    | -0.01    |
| 76   | Benzidine                  | 40.000 | 37.734 | 5.7  | 73    | -0.01    |
| 77   | Pyrene                     | 40.000 | 39.806 | 0.5  | 79    | -0.01    |
| 78 S | Terphenyl-d14              | 80.000 | 81.583 | -2.0 | 82    | -0.01    |
| 79   | Butylbenzylphthalate       | 40.000 | 40.876 | -2.2 | 78    | -0.01    |
| 80   | Benzo(a)anthracene         | 40.000 | 40.264 | -0.7 | 79    | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.595 | -4.0 | 80    | -0.01    |
| 82   | Chrysene                   | 40.000 | 40.540 | -1.3 | 79    | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.746 | -4.4 | 81    | -0.01    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.811 | -4.5 | 81    | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.996 | 7.5  | 78    | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 78    | -0.01    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.706 | -1.8 | 76    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.520 | -1.3 | 82    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.706 | -1.8 | 80    | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 37.218 | 7.0  | 77    | -0.01    |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 35.851 | 10.4 | 75    | -0.02    |

(#) = Out of Range

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