

Data Path : Z:\HPCHEM1\BNA F\Data\BF050917\  
 Data File : BF095025.D  
 Acq On : 9 May 2017 16:39  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 10 01:29:54 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:24:51 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   | 127   | -0.02    |
| 2    | 1,4-Dioxane                  | 40.000 | 49.162 | -22.9 | 164   | -0.03    |
| 3    | Pyridine                     | 40.000 | 39.944 | 0.1   | 130   | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 39.466 | 1.3   | 130   | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 82.307 | -2.9  | 132   | -0.03    |
| 6    | Aniline                      | 40.000 | 44.002 | -10.0 | 134   | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 83.951 | -4.9  | 134   | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 41.545 | -3.9  | 134   | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 38.587 | 3.5   | 121   | -0.01    |
| 10 C | Phenol                       | 40.000 | 42.470 | -6.2  | 136   | -0.02    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.734 | 0.7   | 126   | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.521 | -3.8  | 142   | -0.02    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.323 | 1.7   | 125   | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.798 | -2.0  | 131   | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 48.657 | -21.6 | 148   | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.417 | 1.5   | 129   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 41.670 | -4.2  | 138   | -0.02    |
| 18   | Hexachloroethane             | 40.000 | 41.809 | -4.5  | 132   | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 42.186 | -5.5  | 137   | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 41.696 | -4.2  | 133   | -0.02    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 118   | -0.02    |
| 22   | Acetophenone                 | 40.000 | 46.273 | -15.7 | 138   | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 86.947 | -8.7  | 128   | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 43.883 | -9.7  | 133   | -0.01    |
| 25   | Isophorone                   | 40.000 | 41.951 | -4.9  | 124   | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 42.814 | -7.0  | 124   | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.364 | -0.9  | 124   | -0.02    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.633 | 0.9   | 118   | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.339 | -3.3  | 127   | -0.02    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.857 | 0.4   | 121   | -0.02    |
| 31   | Naphthalene                  | 40.000 | 38.749 | 3.1   | 117   | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 39.392 | 1.5   | 127   | 0.02     |
| 33   | 4-Chloroaniline              | 40.000 | 41.504 | -3.8  | 123   | -0.02    |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.521 | 3.7   | 117   | -0.02    |
| 35   | Caprolactam                  | 40.000 | 45.002 | -12.5 | 129   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 43.480 | -8.7  | 130   | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 43.654 | -9.1  | 132   | -0.02    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 130   | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.533 | 1.2   | 122   | -0.02    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 39.957 | 0.1   | 128   | -0.02    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 73.731 | 7.8   | 112   | -0.02    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.387 | -3.5  | 128   | -0.02    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 38.471 | 3.8   | 118   | -0.01    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 78.352 | 2.1   | 124   | -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 | 38.394 | 4.0   | 119   | -0.02    |
| 46   | 2-Chloronaphthalene        | 40.000 | 37.963 | 5.1   | 120   | -0.02    |
| 47   | 2-Nitroaniline             | 40.000 | 40.391 | -1.0  | 129   | -0.01    |
| 48   | Acenaphthylene             | 40.000 | 37.445 | 6.4   | 119   | -0.02    |
| 49   | Dimethylphthalate          | 40.000 | 38.016 | 5.0   | 120   | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 38.265 | 4.3   | 119   | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 38.860 | 2.9   | 123   | -0.02    |
| 52   | 3-Nitroaniline             | 40.000 | 39.750 | 0.6   | 123   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 38.644 | 3.4   | 126   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 42.290 | -5.7  | 136   | -0.02    |
| 55 P | 4-Nitrophenol              | 40.000 | 35.838 | 10.4  | 106   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 42.386 | -6.0  | 130   | 0.00     |
| 57   | Fluorene                   | 40.000 | 39.674 | 0.8   | 129   | -0.02    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 47.420 | -18.6 | 151   | -0.02    |
| 59   | Diethylphthalate           | 40.000 | 38.176 | 4.6   | 125   | -0.02    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.032 | -0.1  | 126   | -0.02    |
| 61   | 4-Nitroaniline             | 40.000 | 42.070 | -5.2  | 134   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 45.673 | -14.2 | 141   | -0.02    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 119   | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.595 | -11.5 | 130   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 42.527 | -6.3  | 127   | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 37.627 | 5.9   | 109   | -0.02    |
| 67   | Hexachlorobenzene          | 40.000 | 36.631 | 8.4   | 109   | -0.02    |
| 68   | Atrazine                   | 40.000 | 38.635 | 3.4   | 120   | -0.02    |
| 69 C | Pentachlorophenol          | 40.000 | 37.958 | 5.1   | 126   | -0.01    |
| 70   | Phenanthrene               | 40.000 | 39.740 | 0.6   | 120   | -0.02    |
| 71   | Anthracene                 | 40.000 | 40.787 | -2.0  | 123   | -0.02    |
| 72   | Carbazole                  | 40.000 | 42.266 | -5.7  | 129   | -0.02    |
| 73   | Di-n-butylphthalate        | 40.000 | 41.383 | -3.5  | 121   | -0.02    |
| 74 C | Fluoranthene               | 40.000 | 41.444 | -3.6  | 123   | -0.02    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 119   | -0.02    |
| 76   | Benzidine                  | 40.000 | 40.894 | -2.2  | 121   | -0.02    |
| 77   | Pyrene                     | 40.000 | 41.001 | -2.5  | 120   | -0.02    |
| 78 S | Terphenyl-d14              | 80.000 | 69.143 | 13.6  | 103   | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 40.695 | -1.7  | 118   | -0.02    |
| 80   | Benzo(a)anthracene         | 40.000 | 40.134 | -0.3  | 119   | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.845 | 0.4   | 114   | -0.02    |
| 82   | Chrysene                   | 40.000 | 39.134 | 2.2   | 115   | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.639 | 0.9   | 114   | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 36.746 | 8.1   | 106   | -0.03    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.080 | 9.8   | 109   | -0.02    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 115   | -0.02    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 42.140 | -5.4  | 111   | -0.02    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 38.441 | 3.9  | 107   | -0.02    |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.013 | -0.0 | 109   | -0.02    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 37.039 | 7.4  | 104   | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 40.662 | -1.7 | 117   | -0.02    |

(#) = Out of Range

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