

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF052115\  
 Data File : BF079420.D  
 Acq On : 21 May 2015 23:27  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 22 03:34:48 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 22 03:34:28 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   | 63    | -0.06    |
| 2    | 1,4-Dioxane                 | 40.000 | 49.832 | -24.6 | 79    | -0.08    |
| 3    | Pyridine                    | 40.000 | 36.435 | 8.9   | 61    | -0.09    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 41.922 | -4.8  | 68    | -0.08    |
| 5 S  | 2-Fluorophenol              | 80.000 | 85.906 | -7.4  | 69    | -0.07    |
| 6    | Aniline                     | 40.000 | 41.697 | -4.2  | 66    | -0.06    |
| 7 S  | Phenol-d6                   | 80.000 | 83.213 | -4.0  | 70    | -0.07    |
| 8    | 2-Chlorophenol              | 40.000 | 43.713 | -9.3  | 74    | -0.07    |
| 9    | Benzaldehyde                | 40.000 | 36.959 | 7.6   | 60    | -0.06    |
| 10 C | Phenol                      | 40.000 | 42.662 | -6.7  | 68    | -0.06    |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 41.844 | -4.6  | 71    | -0.06    |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 42.955 | -7.4  | 72    | -0.06    |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 42.062 | -5.2  | 70    | -0.06    |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 42.613 | -6.5  | 70    | -0.06    |
| 15   | Benzyl Alcohol              | 40.000 | 40.367 | -0.9  | 67    | -0.06    |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.136 | -0.3  | 67    | -0.06    |
| 17   | 2-Methylphenol              | 40.000 | 42.008 | -5.0  | 70    | -0.06    |
| 18   | Hexachloroethane            | 40.000 | 43.447 | -8.6  | 70    | -0.06    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 42.389 | -6.0  | 67    | -0.06    |
| 20   | 3+4-Methylphenols           | 40.000 | 43.885 | -9.7  | 71    | -0.06    |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 63    | -0.06    |
| 22   | Acetophenone                | 40.000 | 41.776 | -4.4  | 71    | -0.06    |
| 23 S | Nitrobenzene-d5             | 80.000 | 88.687 | -10.9 | 73    | -0.06    |
| 24   | Nitrobenzene                | 40.000 | 42.873 | -7.2  | 73    | -0.06    |
| 25   | Isophorone                  | 40.000 | 42.612 | -6.5  | 70    | -0.06    |
| 26 C | 2-Nitrophenol               | 40.000 | 47.795 | -19.5 | 75    | -0.06    |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.513 | -3.8  | 67    | -0.06    |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 42.830 | -7.1  | 69    | -0.06    |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 43.619 | -9.0  | 72    | -0.07    |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 43.477 | -8.7  | 72    | -0.06    |
| 31   | Naphthalene                 | 40.000 | 43.518 | -8.8  | 73    | -0.06    |
| 32   | Benzoic acid                | 40.000 | 41.974 | -4.9  | 68    | -0.07    |
| 33   | 4-Chloroaniline             | 40.000 | 44.323 | -10.8 | 75    | -0.06    |
| 34 C | Hexachlorobutadiene         | 40.000 | 40.952 | -2.4  | 69    | -0.06    |
| 35   | Caprolactam                 | 40.000 | 43.321 | -8.3  | 70    | -0.08    |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 44.485 | -11.2 | 68    | -0.06    |
| 37   | 2-Methylnaphthalene         | 40.000 | 43.136 | -7.8  | 71    | -0.06    |
| 38 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 62    | -0.07    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 43.090 | -7.7  | 72    | -0.07    |
| 40 P | Hexachlorocyclopentadiene   | 40.000 | 20.589 | 48.5# | 33    | -0.06    |
| 41 S | 2,4,6-Tribromophenol        | 80.000 | 91.409 | -14.3 | 71    | -0.07    |
| 42 C | 2,4,6-Trichlorophenol       | 40.000 | 42.926 | -7.3  | 68    | -0.07    |
| 43   | 2,4,5-Trichlorophenol       | 40.000 | 42.174 | -5.4  | 67    | -0.06    |
| 44 S | 2-Fluorobiphenyl            | 80.000 | 88.715 | -10.9 | 72    | -0.06    |
| 45   | 1,1'-Biphenyl               | 40.000 | 43.150 | -7.9  | 72    | -0.06    |
| 46   | 2-Chloronaphthalene         | 40.000 | 43.770 | -9.4  | 74    | -0.06    |
| 47   | 2-Nitroaniline              | 40.000 | 45.047 | -12.6 | 71    | -0.06    |
| 48   | Acenaphthylene              | 40.000 | 44.203 | -10.5 | 73    | -0.07    |

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF052115\  
 Data File : BF079420.D  
 Acq On : 21 May 2015 23:27  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 22 03:34:48 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 22 03:34:28 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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 49   | Dimethylphthalate          | 40.000 | 42.459 | -6.1  | 72    | -0.07    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 46.834 | -17.1 | 75    | -0.06    |
| 51 C | Acenaphthene               | 40.000 | 42.438 | -6.1  | 69    | -0.06    |
| 52   | 3-Nitroaniline             | 40.000 | 45.145 | -12.9 | 73    | -0.07    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 40.470 | -1.2  | 62    | -0.06    |
| 54   | Dibenzofuran               | 40.000 | 43.717 | -9.3  | 71    | -0.06    |
| 55 P | 4-Nitrophenol              | 40.000 | 35.687 | 10.8  | 58    | -0.06    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 44.048 | -10.1 | 68    | -0.07    |
| 57   | Fluorene                   | 40.000 | 44.470 | -11.2 | 74    | -0.06    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.537 | 1.2   | 62    | -0.06    |
| 59   | Diethylphthalate           | 40.000 | 43.791 | -9.5  | 72    | -0.06    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 43.783 | -9.5  | 72    | -0.06    |
| 61   | 4-Nitroaniline             | 40.000 | 45.745 | -14.4 | 72    | -0.07    |
| 62   | Azobenzene                 | 40.000 | 42.400 | -6.0  | 68    | -0.06    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 63    | -0.07    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.248 | -10.6 | 73    | -0.07    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 43.198 | -8.0  | 70    | -0.06    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.138 | -5.3  | 72    | -0.06    |
| 67   | Hexachlorobenzene          | 40.000 | 43.195 | -8.0  | 74    | -0.07    |
| 68   | Atrazine                   | 40.000 | 41.824 | -4.6  | 71    | -0.07    |
| 69 C | Pentachlorophenol          | 40.000 | 33.173 | 17.1  | 54    | -0.07    |
| 70   | Phenanthrene               | 40.000 | 41.890 | -4.7  | 69    | -0.06    |
| 71   | Anthracene                 | 40.000 | 42.354 | -5.9  | 71    | -0.07    |
| 72   | Carbazole                  | 40.000 | 43.265 | -8.2  | 72    | -0.06    |
| 73   | Di-n-butylphthalate        | 40.000 | 43.383 | -8.5  | 69    | -0.07    |
| 74 C | Fluoranthene               | 40.000 | 42.913 | -7.3  | 71    | -0.07    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 59    | -0.09    |
| 76   | Benzidine                  | 40.000 | 48.434 | -21.1 | 70    | -0.07    |
| 77   | Pyrene                     | 40.000 | 44.022 | -10.1 | 70    | -0.07    |
| 78 S | Terphenyl-d14              | 80.000 | 87.865 | -9.8  | 70    | -0.07    |
| 79   | Butylbenzylphthalate       | 40.000 | 46.396 | -16.0 | 68    | -0.07    |
| 80   | Benzo(a)anthracene         | 40.000 | 42.927 | -7.3  | 67    | -0.09    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 45.062 | -12.7 | 68    | -0.09    |
| 82   | Chrysene                   | 40.000 | 43.377 | -8.4  | 70    | -0.09    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 46.431 | -16.1 | 68    | -0.08    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 44.617 | -11.5 | 69    | -0.13    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 44.314 | -10.8 | 69    | -0.24    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 63    | -0.18    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 41.717 | -4.3  | 68    | -0.15    |
| 88   | Benzo(k)fluoranthene       | 40.000 | 44.679 | -11.7 | 72    | -0.15    |
| 89 C | Benzo(a)pyrene             | 40.000 | 44.773 | -11.9 | 73    | -0.17    |
| 90   | Dibenzo(a,h)anthracene     | 40.000 | 44.881 | -12.2 | 73    | -0.25    |
| 91   | Benzo(g,h,i)perylene       | 40.000 | 44.785 | -12.0 | 73    | -0.25    |

(#) = Out of Range

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