

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121015\  
 Data File : BF083684.D  
 Acq On : 10 Dec 2015 19:01  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 17 11:22:12 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 17 09:56:43 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   | 81    | -0.09    |
| 2    | 1,4-Dioxane                  | 40.000 | 42.208 | -5.5  | 89    | -0.09    |
| 3    | Pyridine                     | 40.000 | 40.022 | -0.1  | 82    | -0.09    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 34.968 | 12.6  | 66    | -0.08    |
| 5 S  | 2-Fluorophenol               | 80.000 | 82.888 | -3.6  | 80    | -0.08    |
| 6    | Aniline                      | 40.000 | 39.695 | 0.8   | 75    | -0.08    |
| 7 S  | Phenol-d6                    | 80.000 | 80.841 | -1.1  | 79    | -0.09    |
| 8    | 2-Chlorophenol               | 40.000 | 40.696 | -1.7  | 81    | -0.09    |
| 9    | Benzaldehyde                 | 40.000 | 42.073 | -5.2  | 83    | -0.08    |
| 10 C | Phenol                       | 40.000 | 40.723 | -1.8  | 79    | -0.08    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.868 | -2.2  | 81    | -0.08    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.729 | -1.8  | 81    | -0.08    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.979 | 0.1   | 81    | -0.09    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.487 | -1.2  | 80    | -0.09    |
| 15   | Benzyl Alcohol               | 40.000 | 39.479 | 1.3   | 74    | -0.08    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.047 | 2.4   | 77    | -0.08    |
| 17   | 2-Methylphenol               | 40.000 | 39.926 | 0.2   | 77    | -0.08    |
| 18   | Hexachloroethane             | 40.000 | 39.779 | 0.6   | 78    | -0.10    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.413 | 1.5   | 79    | -0.09    |
| 20   | 3+4-Methylphenols            | 40.000 | 37.688 | 5.8   | 76    | -0.08    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 76    | -0.10    |
| 22   | Acetophenone                 | 40.000 | 40.733 | -1.8  | 76    | -0.08    |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.087 | -3.9  | 79    | -0.09    |
| 24   | Nitrobenzene                 | 40.000 | 41.357 | -3.4  | 80    | -0.09    |
| 25   | Isophorone                   | 40.000 | 41.859 | -4.6  | 79    | -0.09    |
| 26 C | 2-Nitrophenol                | 40.000 | 43.183 | -8.0  | 78    | -0.09    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 43.123 | -7.8  | 81    | -0.09    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.537 | -3.8  | 78    | -0.09    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.767 | -4.4  | 77    | -0.08    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.166 | -2.9  | 78    | -0.09    |
| 31   | Naphthalene                  | 40.000 | 41.825 | -4.6  | 81    | -0.09    |
| 32   | Benzoic acid                 | 40.000 | 31.748 | 20.6  | 62    | -0.07    |
| 33   | 4-Chloroaniline              | 40.000 | 35.950 | 10.1  | 66    | -0.07    |
| 34 C | Hexachlorobutadiene          | 40.000 | 42.007 | -5.0  | 80    | -0.10    |
| 35   | Caprolactam                  | 40.000 | 44.347 | -10.9 | 80    | -0.09    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 43.413 | -8.5  | 81    | -0.08    |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.667 | -6.7  | 82    | -0.09    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 78    | -0.09    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.290 | -3.2  | 80    | -0.09    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 25.190 | 37.0# | 31    | -0.10    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 85.014 | -6.3  | 81    | -0.10    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 39.692 | 0.8   | 75    | -0.08    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 38.156 | 4.6   | 71    | -0.07    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 81.259 | -1.6  | 81    | -0.09    |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121015\  
 Data File : BF083684.D  
 Acq On : 10 Dec 2015 19:01  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 17 11:22:12 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 17 09:56:43 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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 41.811 | -4.5  | 82    | -0.09    |
| 46   | 2-Chloronaphthalene        | 40.000 | 41.730 | -4.3  | 81    | -0.09    |
| 47   | 2-Nitroaniline             | 40.000 | 42.128 | -5.3  | 80    | -0.08    |
| 48   | Acenaphthylene             | 40.000 | 41.298 | -3.2  | 81    | -0.09    |
| 49   | Dimethylphthalate          | 40.000 | 40.460 | -1.2  | 80    | -0.09    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.868 | -4.7  | 80    | -0.09    |
| 51 C | Acenaphthene               | 40.000 | 41.412 | -3.5  | 81    | -0.09    |
| 52   | 3-Nitroaniline             | 40.000 | 42.250 | -5.6  | 78    | -0.09    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 41.097 | -2.7  | 82    | -0.05    |
| 54   | Dibenzofuran               | 40.000 | 41.948 | -4.9  | 81    | -0.09    |
| 55 P | 4-Nitrophenol              | 40.000 | 31.669 | 20.8  | 61    | -0.03    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 43.673 | -9.2  | 80    | -0.08    |
| 57   | Fluorene                   | 40.000 | 41.358 | -3.4  | 82    | -0.09    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.280 | 1.8   | 76    | -0.08    |
| 59   | Diethylphthalate           | 40.000 | 40.408 | -1.0  | 80    | -0.09    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.660 | -4.1  | 80    | -0.10    |
| 61   | 4-Nitroaniline             | 40.000 | 44.807 | -12.0 | 82    | -0.08    |
| 62   | Azobenzene                 | 40.000 | 43.879 | -9.7  | 84    | -0.09    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 79    | -0.09    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.388 | 1.5   | 77    | -0.07    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.174 | -2.9  | 81    | -0.09    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.009 | -5.0  | 82    | -0.09    |
| 67   | Hexachlorobenzene          | 40.000 | 41.299 | -3.2  | 81    | -0.09    |
| 68   | Atrazine                   | 40.000 | 41.793 | -4.5  | 79    | -0.10    |
| 69 C | Pentachlorophenol          | 40.000 | 24.716 | 38.2# | 44    | -0.06    |
| 70   | Phenanthrene               | 40.000 | 41.970 | -4.9  | 83    | -0.09    |
| 71   | Anthracene                 | 40.000 | 42.741 | -6.9  | 84    | -0.09    |
| 72   | Carbazole                  | 40.000 | 43.832 | -9.6  | 87    | -0.09    |
| 73   | Di-n-butylphthalate        | 40.000 | 42.254 | -5.6  | 82    | -0.10    |
| 74 C | Fluoranthene               | 40.000 | 43.410 | -8.5  | 85    | -0.09    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 85    | -0.08    |
| 76   | Benzidine                  | 40.000 | 39.305 | 1.7   | 78    | -0.08    |
| 77   | Pyrene                     | 40.000 | 40.711 | -1.8  | 86    | -0.09    |
| 78 S | Terphenyl-d14              | 80.000 | 80.922 | -1.2  | 88    | -0.10    |
| 79   | Butylbenzylphthalate       | 40.000 | 41.729 | -4.3  | 86    | -0.09    |
| 80   | Benzo(a)anthracene         | 40.000 | 40.552 | -1.4  | 87    | -0.08    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 44.676 | -11.7 | 91    | -0.08    |
| 82   | Chrysene                   | 40.000 | 42.826 | -7.1  | 91    | -0.08    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.224 | -3.1  | 84    | -0.08    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 42.715 | -6.8  | 89    | -0.08    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 44.335 | -10.8 | 100   | -0.09    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 92    | -0.06    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 44.561 | -11.4 | 104   | -0.07    |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121015\  
Data File : BF083684.D  
Acq On : 10 Dec 2015 19:01  
Operator : UM/IZ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Dec 17 11:22:12 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 17 09:56:43 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) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 39.624 | 0.9  | 89    | -0.07    |
| 89 C | Benzo(a)pyrene         | 40.000 | 42.091 | -5.2 | 98    | -0.07    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 42.951 | -7.4 | 103   | -0.10    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 39.422 | 1.4  | 96    | -0.09    |

(#) = Out of Range

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