

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032816\  
 Data File : BF085795.D  
 Acq On : 28 Mar 2016 12:08  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 28 15:40:29 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 24 14:15:39 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   | 113   | -0.01    |
| 2    | 1,4-Dioxane                 | 40.000 | 44.097 | -10.2 | 127   | 0.00     |
| 3    | Pyridine                    | 40.000 | 39.992 | 0.0   | 108   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 46.005 | -15.0 | 125   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 78.971 | 1.3   | 117   | 0.00     |
| 6    | Aniline                     | 40.000 | 40.688 | -1.7  | 121   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 79.158 | 1.1   | 119   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 42.300 | -5.7  | 120   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 38.934 | 2.7   | 116   | 0.00     |
| 10 C | Phenol                      | 40.000 | 40.214 | -0.5  | 119   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 42.619 | -6.5  | 126   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 40.690 | -1.7  | 115   | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 41.795 | -4.5  | 126   | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.347 | 1.6   | 112   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 39.151 | 2.1   | 108   | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.675 | 0.8   | 115   | -0.01    |
| 17   | 2-Methylphenol              | 40.000 | 42.524 | -6.3  | 118   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 41.098 | -2.7  | 120   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 38.725 | 3.2   | 106   | -0.01    |
| 20   | 3+4-Methylphenols           | 40.000 | 38.080 | 4.8   | 112   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 114   | -0.01    |
| 22   | Acetophenone                | 40.000 | 38.853 | 2.9   | 119   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 79.863 | 0.2   | 116   | -0.01    |
| 24   | Nitrobenzene                | 40.000 | 41.152 | -2.9  | 129   | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.419 | 4.0   | 117   | -0.01    |
| 26 C | 2-Nitrophenol               | 40.000 | 43.942 | -9.9  | 132   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 38.718 | 3.2   | 107   | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 40.764 | -1.9  | 116   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.304 | -0.8  | 121   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.116 | 2.2   | 117   | -0.01    |
| 31   | Naphthalene                 | 40.000 | 38.390 | 4.0   | 119   | -0.01    |
| 32   | Benzoic acid                | 40.000 | 43.841 | -9.6  | 115   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.954 | 0.1   | 119   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 37.806 | 5.5   | 113   | -0.01    |
| 35   | Caprolactam                 | 40.000 | 34.393 | 14.0  | 108   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 36.198 | 9.5   | 114   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 40.905 | -2.3  | 116   | 0.00     |
| 38 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 110   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 38.724 | 3.2   | 106   | -0.01    |
| 40 P | Hexachlorocyclopentadiene   | 40.000 | 38.556 | 3.6   | 114   | -0.01    |
| 41 S | 2,4,6-Tribromophenol        | 80.000 | 87.593 | -9.5  | 119   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 40.000 | 40.229 | -0.6  | 113   | -0.01    |
| 43   | 2,4,5-Trichlorophenol       | 40.000 | 41.400 | -3.5  | 115   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 80.000 | 86.029 | -7.5  | 116   | 0.00     |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032816\  
 Data File : BF085795.D  
 Acq On : 28 Mar 2016 12:08  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 28 15:40:29 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 24 14:15:39 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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 38.093 | 4.8   | 105   | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.609 | -1.5  | 107   | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 41.213 | -3.0  | 122   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 42.645 | -6.6  | 115   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 40.148 | -0.4  | 119   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 37.059 | 7.4   | 98    | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 41.340 | -3.4  | 122   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 36.897 | 7.8   | 109   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 41.917 | -4.8  | 115   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 41.249 | -3.1  | 115   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 42.467 | -6.2  | 112   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 42.769 | -6.9  | 108   | 0.00     |
| 57   | Fluorene                   | 40.000 | 40.912 | -2.3  | 110   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.891 | 2.8   | 110   | -0.01    |
| 59   | Diethylphthalate           | 40.000 | 42.097 | -5.2  | 121   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.185 | -3.0  | 125   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 41.748 | -4.4  | 109   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 42.547 | -6.4  | 120   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 100   | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 46.504 | -16.3 | 110   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.173 | -2.9  | 105   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 45.591 | -14.0 | 116   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 44.595 | -11.5 | 109   | 0.00     |
| 68   | Atrazine                   | 40.000 | 43.319 | -8.3  | 113   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 43.988 | -10.0 | 104   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 43.506 | -8.8  | 104   | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.276 | 1.8   | 106   | 0.00     |
| 72   | Carbazole                  | 40.000 | 44.740 | -11.9 | 110   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 42.873 | -7.2  | 113   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 35.460 | 11.3  | 94    | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 100   | 0.00     |
| 76   | Benzidine                  | 40.000 | 31.177 | 22.1  | 77    | 0.00     |
| 77   | Pyrene                     | 40.000 | 35.387 | 11.5  | 98    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 78.226 | 2.2   | 109   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 37.236 | 6.9   | 95    | -0.01    |
| 80   | Benzo(a)anthracene         | 40.000 | 38.189 | 4.5   | 99    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 37.350 | 6.6   | 103   | 0.00     |
| 82   | Chrysene                   | 40.000 | 33.448 | 16.4  | 89    | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.807 | 3.0   | 97    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 39.171 | 2.1   | 96    | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 47.019 | -17.5 | 119   | 0.01     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 100   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 42.455 | -6.1  | 104   | 0.00     |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032816\  
Data File : BF085795.D  
Acq On : 28 Mar 2016 12:08  
Operator : UM/SJ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Mar 28 15:40:29 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 24 14:15:39 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) |
|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 35.607 | 11.0  | 96    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.793 | -2.0  | 103   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 46.411 | -16.0 | 118   | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 47.087 | -17.7 | 120   | 0.00     |

(#) = Out of Range

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