

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF062217\  
 Data File : BF096138.D  
 Acq On : 23 Jun 2017 00:24  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 100 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 23 02:01:39 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 20 16:05:47 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   | 87    | -0.02    |
| 2    | 1,4-Dioxane                  | 40.000 | 49.855 | -24.6 | 103   | -0.04    |
| 3    | Pyridine                     | 40.000 | 44.568 | -11.4 | 93    | -0.04    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 44.335 | -10.8 | 93    | -0.04    |
| 5 S  | 2-Fluorophenol               | 80.000 | 83.922 | -4.9  | 83    | -0.02    |
| 6    | Aniline                      | 40.000 | 40.489 | -1.2  | 82    | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 79.626 | 0.5   | 79    | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 41.440 | -3.6  | 83    | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 38.083 | 4.8   | 78    | -0.01    |
| 10 C | Phenol                       | 40.000 | 42.516 | -6.3  | 83    | -0.02    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 42.210 | -5.5  | 84    | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.158 | -0.4  | 86    | -0.02    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.296 | -3.2  | 87    | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.006 | -2.5  | 86    | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 41.612 | -4.0  | 85    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 42.080 | -5.2  | 88    | -0.02    |
| 17   | 2-Methylphenol               | 40.000 | 42.156 | -5.4  | 88    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 37.896 | 5.3   | 79    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.821 | -4.6  | 86    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 44.730 | -11.8 | 93    | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 83    | -0.02    |
| 22   | Acetophenone                 | 40.000 | 42.002 | -5.0  | 85    | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 82.984 | -3.7  | 84    | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 41.571 | -3.9  | 85    | -0.01    |
| 25   | Isophorone                   | 40.000 | 40.846 | -2.1  | 84    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 37.399 | 6.5   | 74    | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 42.642 | -6.6  | 87    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 42.206 | -5.5  | 85    | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.361 | -0.9  | 82    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.054 | -0.1  | 83    | -0.01    |
| 31   | Naphthalene                  | 40.000 | 40.113 | -0.3  | 84    | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 27.812 | 30.5# | 54    | -0.03    |
| 33   | 4-Chloroaniline              | 40.000 | 41.596 | -4.0  | 86    | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.677 | -1.7  | 84    | -0.02    |
| 35   | Caprolactam                  | 40.000 | 40.418 | -1.0  | 79    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.382 | -1.0  | 82    | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.685 | 0.8   | 83    | -0.01    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 82    | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.960 | -4.9  | 81    | -0.01    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 12.273 | 69.3# | 3     | -0.02    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 73.129 | 8.6   | 73    | -0.02    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.240 | -3.1  | 78    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 37.085 | 7.3   | 68    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 80.265 | -0.3  | 80    | -0.01    |

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF062217\  
 Data File : BF096138.D  
 Acq On : 23 Jun 2017 00:24  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 100 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 23 02:01:39 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 20 16:05:47 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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 41.760 | -4.4  | 82    | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.173 | -0.4  | 78    | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 42.436 | -6.1  | 77    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 37.780 | 5.5   | 72    | -0.02    |
| 49   | Dimethylphthalate          | 40.000 | 40.586 | -1.5  | 78    | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 36.757 | 8.1   | 68    | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 39.116 | 2.2   | 80    | -0.02    |
| 52   | 3-Nitroaniline             | 40.000 | 41.779 | -4.4  | 85    | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 10.214 | 74.5# | 9     | 0.06     |
| 54   | Dibenzofuran               | 40.000 | 39.286 | 1.8   | 81    | -0.02    |
| 55 P | 4-Nitrophenol              | 40.000 | 30.000 | 25.0  | 57    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 39.739 | 0.7   | 79    | 0.00     |
| 57   | Fluorene                   | 40.000 | 38.478 | 3.8   | 79    | -0.02    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 35.821 | 10.4  | 70    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 41.543 | -3.9  | 84    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.284 | 1.8   | 80    | -0.01    |
| 61   | 4-Nitroaniline             | 40.000 | 40.501 | -1.3  | 80    | -0.01    |
| 62   | Azobenzene                 | 40.000 | 38.907 | 2.7   | 79    | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 70    | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 9.121  | 77.2# | 15    | 0.02     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 44.855 | -12.1 | 79    | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 44.172 | -10.4 | 76    | -0.01    |
| 67   | Hexachlorobenzene          | 40.000 | 43.430 | -8.6  | 75    | -0.01    |
| 68   | Atrazine                   | 40.000 | 42.527 | -6.3  | 75    | -0.02    |
| 69 C | Pentachlorophenol          | 40.000 | 23.590 | 41.0# | 37    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 40.932 | -2.3  | 73    | -0.01    |
| 71   | Anthracene                 | 40.000 | 40.914 | -2.3  | 73    | -0.02    |
| 72   | Carbazole                  | 40.000 | 41.506 | -3.8  | 72    | -0.01    |
| 73   | Di-n-butylphthalate        | 40.000 | 46.674 | -16.7 | 80    | -0.01    |
| 74 C | Fluoranthene               | 40.000 | 38.046 | 4.9   | 66    | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 66    | 0.00     |
| 76   | Benzidine                  | 40.000 | 35.371 | 11.6  | 57    | 0.00     |
| 77   | Pyrene                     | 40.000 | 39.775 | 0.6   | 66    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 80.816 | -1.0  | 67    | -0.01    |
| 79   | Butylbenzylphthalate       | 40.000 | 41.419 | -3.5  | 66    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.413 | -1.0  | 66    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 42.351 | -5.9  | 68    | -0.01    |
| 82   | Chrysene                   | 40.000 | 40.870 | -2.2  | 67    | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.724 | -4.3  | 67    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 42.048 | -5.1  | 68    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.552 | 3.6   | 68    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 67    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 38.582 | 3.5   | 62    | 0.00     |

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF062217\  
Data File : BF096138.D  
Acq On : 23 Jun 2017 00:24  
Operator : SJ/MA  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 100 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Jun 23 02:01:39 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 20 16:05:47 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) |
|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 44.193 | -10.5 | 76    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.147 | -2.9  | 69    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 38.672 | 3.3   | 69    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 36.033 | 9.9   | 64    | 0.00     |

(#) = Out of Range

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