

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF112318\  
 Data File : BF110942.D  
 Acq On : 23 Nov 2018 14:22  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 23 20:41:12 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 12:43:10 2018  
 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   | 77    | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 39.152 | 2.1   | 74    | -0.04    |
| 3    | Pyridine                     | 40.000 | 39.718 | 0.7   | 71    | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 42.463 | -6.2  | 77    | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.818 | -2.3  | 76    | -0.01    |
| 6    | Aniline                      | 40.000 | 38.270 | 4.3   | 74    | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 80.601 | -0.8  | 77    | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 40.561 | -1.4  | 77    | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 38.155 | 4.6   | 72    | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.448 | 1.4   | 75    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.859 | 2.9   | 75    | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.252 | -0.6  | 76    | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.710 | -1.8  | 78    | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.880 | -2.2  | 79    | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 39.908 | 0.2   | 75    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.886 | 0.3   | 76    | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 39.330 | 1.7   | 76    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 40.089 | -0.2  | 76    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.498 | -1.2  | 78    | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 40.123 | -0.3  | 77    | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 75    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 41.364 | -3.4  | 77    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.269 | -4.1  | 77    | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 40.113 | -0.3  | 75    | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.555 | -1.4  | 77    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 41.776 | -4.4  | 75    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.845 | -2.1  | 76    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.986 | -2.5  | 77    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.798 | -4.5  | 77    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.743 | -4.4  | 77    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.559 | -1.4  | 76    | -0.01    |
| 32   | Benzoic acid                 | 40.000 | 44.242 | -10.6 | 76    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.262 | 1.8   | 76    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 42.006 | -5.0  | 79    | -0.01    |
| 35   | Caprolactam                  | 40.000 | 42.235 | -5.6  | 78    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.818 | -4.5  | 77    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 41.031 | -2.6  | 77    | -0.01    |
| 38   | 1-Methylnaphthalene          | 40.000 | 40.487 | -1.2  | 76    | -0.01    |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 76    | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.281 | -3.2  | 78    | -0.01    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 33.808 | 15.5  | 63    | -0.01    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 83.827 | -4.8  | 79    | -0.01    |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 39.495 | 1.3   | 73    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 39.472 | 1.3   | 74    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF112318\  
 Data File : BF110942.D  
 Acq On : 23 Nov 2018 14:22  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 23 20:41:12 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 12:43:10 2018  
 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 S | 2-Fluorobiphenyl           | 80.000 | 80.399 | -0.5  | 78    | -0.01    |
| 46   | 1,1'-Biphenyl              | 40.000 | 40.629 | -1.6  | 78    | -0.01    |
| 47   | 2-Chloronaphthalene        | 40.000 | 40.251 | -0.6  | 77    | -0.01    |
| 48   | 2-Nitroaniline             | 40.000 | 42.134 | -5.3  | 79    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.063 | -0.2  | 76    | -0.01    |
| 50   | Dimethylphthalate          | 40.000 | 39.469 | 1.3   | 76    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.246 | -0.6  | 76    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.414 | -1.0  | 78    | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 40.962 | -2.4  | 78    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 46.044 | -15.1 | 88    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.059 | -0.1  | 77    | -0.01    |
| 56 P | 4-Nitrophenol              | 40.000 | 37.631 | 5.9   | 68    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.286 | -3.2  | 78    | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.936 | -2.3  | 79    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.834 | 0.4   | 75    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 41.648 | -4.1  | 81    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 41.346 | -3.4  | 79    | -0.01    |
| 62   | 4-Nitroaniline             | 40.000 | 39.200 | 2.0   | 74    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 41.128 | -2.8  | 78    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 79    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.910 | 5.2   | 73    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.778 | 0.6   | 79    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.133 | -0.3  | 80    | -0.01    |
| 68   | Hexachlorobenzene          | 40.000 | 40.223 | -0.6  | 80    | 0.00     |
| 69   | Atrazine                   | 40.000 | 36.793 | 8.0   | 73    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 36.103 | 9.7   | 69    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.775 | 0.6   | 81    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.124 | -0.3  | 81    | -0.01    |
| 73   | Carbazole                  | 40.000 | 41.169 | -2.9  | 82    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.172 | -2.9  | 81    | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 40.689 | -1.7  | 82    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 82    | 0.00     |
| 77   | Benzidine                  | 40.000 | 47.245 | -18.1 | 100   | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.101 | -0.3  | 82    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 80.518 | -0.6  | 85    | -0.01    |
| 80   | Butylbenzylphthalate       | 40.000 | 41.826 | -4.6  | 83    | -0.01    |
| 81   | Benzo(a)anthracene         | 40.000 | 39.904 | 0.2   | 82    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.541 | -3.9  | 87    | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.974 | 0.1   | 84    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 44.518 | -11.3 | 92    | -0.01    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.611 | -9.0  | 92    | -0.01    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.682 | 5.8   | 79    | 0.01     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 80    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF112318\  
Data File : BF110942.D  
Acq On : 23 Nov 2018 14:22  
Operator : JU/SJ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Nov 23 20:41:12 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 13 12:43:10 2018  
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(b)fluoranthene   | 40.000 | 38.381 | 4.0  | 75    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 42.633 | -6.6 | 88    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.114 | -0.3 | 81    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 40.607 | -1.5 | 79    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 41.013 | -2.5 | 79    | 0.02     |

(#) = Out of Range

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