

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\  
 Data File : BF115107.D  
 Acq On : 22 Jun 2019 8:49  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 24 04:31:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 24 04:21:29 2019  
 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  | 109   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 40.659 | -1.6 | 108   | -0.01    |
| 3    | Pyridine                     | 40.000 | 40.182 | -0.5 | 108   | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 39.540 | 1.2  | 106   | -0.01    |
| 5 S  | 2-Fluorophenol               | 80.000 | 82.458 | -3.1 | 109   | 0.00     |
| 6    | Aniline                      | 40.000 | 41.150 | -2.9 | 108   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 82.349 | -2.9 | 108   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.611 | -4.0 | 109   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 40.962 | -2.4 | 105   | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.263 | -3.2 | 109   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.235 | -3.1 | 110   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.949 | -2.4 | 108   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.280 | -3.2 | 108   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.874 | -4.7 | 109   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 41.030 | -2.6 | 106   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.761 | -1.9 | 108   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.400 | -1.0 | 108   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 41.226 | -3.1 | 109   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.260 | -0.6 | 108   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 40.615 | -1.5 | 107   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 109   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.687 | -1.7 | 108   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.549 | -4.4 | 111   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.269 | -3.2 | 109   | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.884 | 0.3  | 107   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 43.779 | -9.4 | 115   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.564 | -1.4 | 107   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.001 | -2.5 | 108   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.965 | -2.4 | 108   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.837 | -4.6 | 109   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 41.173 | -2.9 | 107   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 41.724 | -4.3 | 130   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.870 | -2.2 | 108   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.887 | -4.7 | 110   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.745 | 0.6  | 108   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.696 | -1.7 | 107   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 41.242 | -3.1 | 108   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 41.492 | -3.7 | 108   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 109   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.228 | -5.6 | 109   | -0.01    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 40.100 | -0.3 | 105   | -0.01    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 86.068 | -7.6 | 112   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.779 | -1.9 | 106   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 42.094 | -5.2 | 113   | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\  
 Data File : BF115107.D  
 Acq On : 22 Jun 2019 8:49  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 24 04:31:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 24 04:21:29 2019  
 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 | 84.400 | -5.5 | 108   | -0.01    |
| 46   | 1,1'-Biphenyl              | 40.000 | 40.226 | -0.6 | 107   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 42.096 | -5.2 | 109   | -0.01    |
| 48   | 2-Nitroaniline             | 40.000 | 42.195 | -5.5 | 110   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 41.377 | -3.4 | 107   | -0.01    |
| 50   | Dimethylphthalate          | 40.000 | 40.729 | -1.8 | 106   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.047 | -5.1 | 111   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 41.514 | -3.8 | 108   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 42.344 | -5.9 | 111   | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 40.809 | -2.0 | 116   | -0.01    |
| 55   | Dibenzofuran               | 40.000 | 40.314 | -0.8 | 107   | -0.01    |
| 56 P | 4-Nitrophenol              | 40.000 | 41.024 | -2.6 | 106   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.600 | -6.5 | 110   | -0.01    |
| 58   | Fluorene                   | 40.000 | 42.427 | -6.1 | 108   | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.883 | -4.7 | 109   | -0.01    |
| 60   | Diethylphthalate           | 40.000 | 41.101 | -2.8 | 108   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 43.180 | -7.9 | 109   | -0.01    |
| 62   | 4-Nitroaniline             | 40.000 | 40.755 | -1.9 | 107   | -0.01    |
| 63   | Azobenzene                 | 40.000 | 40.880 | -2.2 | 107   | -0.01    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 108   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.138 | -5.3 | 115   | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.667 | -4.2 | 107   | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 42.196 | -5.5 | 109   | -0.01    |
| 68   | Hexachlorobenzene          | 40.000 | 42.456 | -6.1 | 110   | -0.01    |
| 69   | Atrazine                   | 40.000 | 41.074 | -2.7 | 106   | -0.01    |
| 70 C | Pentachlorophenol          | 40.000 | 42.993 | -7.5 | 109   | -0.01    |
| 71   | Phenanthrene               | 40.000 | 39.911 | 0.2  | 107   | -0.01    |
| 72   | Anthracene                 | 40.000 | 40.324 | -0.8 | 106   | -0.01    |
| 73   | Carbazole                  | 40.000 | 41.085 | -2.7 | 105   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.977 | -4.9 | 107   | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 41.694 | -4.2 | 107   | -0.01    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 108   | -0.02    |
| 77   | Benzidine                  | 40.000 | 41.286 | -3.2 | 107   | -0.02    |
| 78   | Pyrene                     | 40.000 | 39.934 | 0.2  | 105   | -0.01    |
| 79 S | Terphenyl-d14              | 80.000 | 82.334 | -2.9 | 108   | -0.01    |
| 80   | Butylbenzylphthalate       | 40.000 | 40.748 | -1.9 | 107   | -0.01    |
| 81   | Benzo(a)anthracene         | 40.000 | 40.744 | -1.9 | 106   | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.692 | -4.2 | 106   | -0.02    |
| 83   | Chrysene                   | 40.000 | 40.911 | -2.3 | 107   | -0.01    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.823 | -4.6 | 110   | -0.02    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.310 | -3.3 | 108   | -0.02    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.675 | -9.2 | 112   | -0.03    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 110   | -0.02    |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\  
Data File : BF115107.D  
Acq On : 22 Jun 2019 8:49  
Operator : HP/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Jun 24 04:31:10 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 24 04:21:29 2019  
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 | 38.687 | 3.3   | 100   | -0.02    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 42.379 | -5.9  | 121   | -0.02    |
| 90 C | Benzo(a)pyrene         | 40.000 | 41.269 | -3.2  | 108   | -0.02    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 44.072 | -10.2 | 112   | -0.04    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 44.565 | -11.4 | 112   | -0.04    |

(#) = Out of Range

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