

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050119\  
 Data File : BF114058.D  
 Acq On : 1 May 2019 10:15  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 01 14:23:29 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 23 03:32:35 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   | 117   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.350 | 9.1   | 106   | 0.02     |
| 3    | Pyridine                     | 40.000 | 38.749 | 3.1   | 113   | 0.01     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 38.909 | 2.7   | 114   | 0.02     |
| 5 S  | 2-Fluorophenol               | 80.000 | 77.144 | 3.6   | 111   | 0.00     |
| 6    | Aniline                      | 40.000 | 39.865 | 0.3   | 116   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 79.641 | 0.4   | 115   | 0.01     |
| 8    | 2-Chlorophenol               | 40.000 | 40.214 | -0.5  | 116   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 37.302 | 6.7   | 109   | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.169 | 2.1   | 113   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.787 | 0.5   | 116   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.850 | 0.4   | 115   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.387 | 1.5   | 113   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.795 | 0.5   | 113   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 47.163 | -17.9 | 135   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.153 | 2.1   | 113   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 37.587 | 6.0   | 108   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.135 | -0.3  | 116   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.276 | 4.3   | 112   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 39.065 | 2.3   | 110   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 116   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.043 | 2.4   | 112   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 84.113 | -5.1  | 119   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.138 | -2.8  | 116   | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.866 | 2.8   | 114   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 46.491 | -16.2 | 132   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.285 | 1.8   | 111   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.714 | 0.7   | 114   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.633 | -1.6  | 116   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.421 | -1.1  | 116   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.941 | 0.1   | 113   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 44.133 | -10.3 | 121   | 0.03     |
| 33   | 4-Chloroaniline              | 40.000 | 40.508 | -1.3  | 118   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.774 | 0.6   | 114   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.082 | 2.3   | 115   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.769 | 0.6   | 114   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.362 | 1.6   | 112   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 39.329 | 1.7   | 113   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 115   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.269 | -0.7  | 114   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 35.105 | 12.2  | 98    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 78.973 | 1.3   | 110   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.839 | -2.1  | 116   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.014 | -0.0  | 114   | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050119\  
 Data File : BF114058.D  
 Acq On : 1 May 2019 10:15  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 01 14:23:29 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 23 03:32:35 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 | 74.602 | 6.7   | 108   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 39.450 | 1.4   | 112   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 39.373 | 1.6   | 112   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 42.978 | -7.4  | 120   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.253 | 1.9   | 111   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.672 | 0.8   | 115   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.800 | -7.0  | 119   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.972 | 0.1   | 114   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 42.691 | -6.7  | 120   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 49.029 | -22.6 | 163   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.868 | 2.8   | 109   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 42.332 | -5.8  | 119   | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 44.755 | -11.9 | 127   | 0.00     |
| 58   | Fluorene                   | 40.000 | 39.333 | 1.7   | 111   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.053 | 2.4   | 111   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.500 | 3.8   | 109   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.183 | 2.0   | 110   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 44.448 | -11.1 | 127   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.974 | 5.1   | 107   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 115   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 47.652 | -19.1 | 152   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.167 | 2.1   | 112   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.031 | 2.4   | 111   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.191 | 2.0   | 110   | 0.00     |
| 69   | Atrazine                   | 40.000 | 37.293 | 6.8   | 107   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.496 | -1.2  | 114   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.805 | 3.0   | 110   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.248 | 1.9   | 111   | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.453 | -1.1  | 114   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 39.215 | 2.0   | 110   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.879 | 2.8   | 113   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 120   | 0.00     |
| 77   | Benzidine                  | 40.000 | 38.634 | 3.4   | 125   | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.262 | 1.8   | 115   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 75.844 | 5.2   | 111   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.834 | -4.6  | 124   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 44.349 | -10.9 | 132   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 47.097 | -17.7 | 136   | 0.00     |
| 83   | Chrysene                   | 40.000 | 43.038 | -7.6  | 128   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 45.189 | -13.0 | 136   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 47.154 | -17.9 | 141   | -0.02    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 42.271 | -5.7  | 136   | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 150   | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050119\  
Data File : BF114058.D  
Acq On : 1 May 2019 10:15  
Operator : JU/SJ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: May 01 14:23:29 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Apr 23 03:32:35 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 | 40.465 | -1.2 | 152   | -0.01    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 37.769 | 5.6  | 137   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 39.411 | 1.5  | 146   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 36.143 | 9.6  | 136   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 34.901 | 12.7 | 133   | 0.00     |

(#) = Out of Range

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