

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070819\  
 Data File : BF115411.D  
 Acq On : 8 Jul 2019 17:51  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 09 01:26:47 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 05 14:57:35 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   | 99    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 38.188 | 4.5   | 99    | 0.00     |
| 3    | Pyridine                     | 40.000 | 38.762 | 3.1   | 101   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 37.136 | 7.2   | 95    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 76.796 | 4.0   | 98    | 0.00     |
| 6    | Aniline                      | 40.000 | 38.354 | 4.1   | 96    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 77.725 | 2.8   | 98    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.507 | 1.2   | 99    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 41.215 | -3.0  | 103   | 0.00     |
| 10 C | Phenol                       | 40.000 | 36.031 | 9.9   | 91    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.624 | 3.4   | 98    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.332 | 1.7   | 99    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.190 | 2.0   | 100   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.022 | -0.1  | 101   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 38.757 | 3.1   | 97    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.287 | 4.3   | 98    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.097 | 4.8   | 96    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.500 | 1.3   | 100   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.984 | 5.0   | 97    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 39.697 | 0.8   | 98    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 99    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.734 | 3.2   | 97    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.698 | -2.1  | 103   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.610 | 1.0   | 99    | 0.00     |
| 25   | Isophorone                   | 40.000 | 37.373 | 6.6   | 96    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 45.993 | -15.0 | 114   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.127 | 7.2   | 95    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.187 | 4.5   | 98    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.296 | 1.8   | 99    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.204 | 2.0   | 99    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.117 | 2.2   | 98    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 38.626 | 3.4   | 95    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.787 | 3.0   | 98    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.139 | -0.3  | 101   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 38.440 | 3.9   | 95    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.019 | 2.5   | 97    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.234 | 1.9   | 98    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 39.604 | 1.0   | 99    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 98    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.867 | -2.2  | 102   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 40.296 | -0.7  | 102   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 83.798 | -4.7  | 102   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 39.794 | 0.5   | 99    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.949 | -2.4  | 102   | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070819\  
 Data File : BF115411.D  
 Acq On : 8 Jul 2019 17:51  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 09 01:26:47 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 05 14:57:35 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 | 83.119 | -3.9  | 99    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 39.858 | 0.4   | 100   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 39.825 | 0.4   | 99    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 42.818 | -7.0  | 103   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.104 | 2.2   | 98    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.142 | 2.1   | 97    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.897 | -2.2  | 100   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.003 | -0.0  | 99    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.882 | -2.2  | 98    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 46.816 | -17.0 | 130   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.665 | 0.8   | 99    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 41.717 | -4.3  | 100   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.792 | -7.0  | 102   | 0.00     |
| 58   | Fluorene                   | 40.000 | 37.216 | 7.0   | 98    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.365 | -0.9  | 98    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.568 | 1.1   | 97    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.692 | 0.8   | 101   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.482 | -1.2  | 96    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.496 | 3.8   | 94    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 95    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.657 | -11.6 | 115   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.582 | 1.0   | 97    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.203 | -0.5  | 99    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.723 | -1.8  | 100   | 0.00     |
| 69   | Atrazine                   | 40.000 | 41.639 | -4.1  | 97    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.525 | -3.8  | 98    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.500 | 1.3   | 96    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.132 | -0.3  | 98    | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.321 | 1.7   | 95    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.245 | -0.6  | 97    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.264 | 1.8   | 95    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 95    | -0.01    |
| 77   | Benzidine                  | 40.000 | 37.465 | 6.3   | 91    | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.800 | 3.0   | 96    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 78.344 | 2.1   | 99    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.632 | -1.6  | 98    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.114 | -0.3  | 98    | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.987 | -2.5  | 94    | -0.01    |
| 83   | Chrysene                   | 40.000 | 39.069 | 2.3   | 95    | -0.02    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.663 | -4.2  | 104   | -0.02    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.537 | -1.3  | 97    | -0.04    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.964 | -2.4  | 97    | -0.03    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 93    | -0.04    |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070819\  
Data File : BF115411.D  
Acq On : 8 Jul 2019 17:51  
Operator : HP/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Jul 09 01:26:47 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 14:57:35 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 | 38.246 | 4.4  | 89    | -0.04    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 38.424 | 3.9  | 95    | -0.04    |
| 90 C | Benzo(a)pyrene         | 40.000 | 38.747 | 3.1  | 93    | -0.04    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 38.367 | 4.1  | 97    | -0.04    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 37.931 | 5.2  | 100   | -0.04    |

(#) = Out of Range

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