

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122222\  
 Data File : BF131769.D  
 Acq On : 22 Dec 2022 10:32  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 23 03:10:30 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 23 03:03:57 2022  
 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  | 88    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 42.409 | -6.0 | 93    | 0.02     |
| 3    | Pyridine                    | 40.000 | 42.057 | -5.1 | 92    | 0.01     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 41.093 | -2.7 | 89    | 0.01     |
| 5 S  | 2-Fluorophenol              | 80.000 | 82.023 | -2.5 | 91    | 0.00     |
| 6    | Aniline                     | 40.000 | 39.474 | 1.3  | 87    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 79.706 | 0.4  | 89    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.718 | 0.7  | 89    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 40.515 | -1.3 | 92    | 0.00     |
| 10 C | Phenol                      | 40.000 | 39.923 | 0.2  | 89    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.502 | 1.2  | 87    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.530 | 1.2  | 88    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.238 | 1.9  | 88    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.002 | 2.5  | 89    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 38.976 | 2.6  | 87    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.249 | 1.9  | 88    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 38.554 | 3.6  | 86    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.314 | 1.7  | 88    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 38.183 | 4.5  | 86    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 39.085 | 2.3  | 87    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 86    | 0.00     |
| 22   | Acetophenone                | 40.000 | 39.891 | 0.3  | 86    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 80.243 | -0.3 | 86    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.847 | -2.1 | 87    | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.940 | 2.7  | 85    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 39.908 | 0.2  | 85    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.534 | 1.2  | 86    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.678 | 0.8  | 86    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.510 | 1.2  | 85    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.250 | 1.9  | 84    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.473 | 1.3  | 86    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 41.671 | -4.2 | 84    | -0.01    |
| 33   | 4-Chloroaniline             | 40.000 | 39.003 | 2.5  | 84    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 39.895 | 0.3  | 86    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 38.523 | 3.7  | 84    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.701 | 0.7  | 86    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.064 | 2.3  | 86    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.023 | 2.4  | 86    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 85    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 41.745 | -4.4 | 84    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 40.128 | -0.3 | 77    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 79.407 | 0.7  | 83    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 41.445 | -3.6 | 84    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 41.384 | -3.5 | 83    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 82.812 | -3.5 | 86    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 41.788 | -4.5 | 85    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 41.855 | -4.6 | 85    | 0.00     |

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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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 42.321 | -5.8  | 86    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 41.814 | -4.5  | 86    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.787 | -2.0  | 85    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.930 | -2.3  | 84    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 41.196 | -3.0  | 85    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 41.743 | -4.4  | 85    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 36.230 | 9.4   | 73    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.815 | -2.0  | 84    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 40.282 | -0.7  | 81    | -0.01    |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.763 | -4.4  | 87    | 0.00     |
| 58   | Fluorene                   | 40.000 | 41.072 | -2.7  | 85    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.733 | 0.7   | 81    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.909 | 0.2   | 84    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.584 | -1.5  | 86    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.219 | -3.0  | 85    | -0.01    |
| 63   | Azobenzene                 | 40.000 | 40.825 | -2.1  | 85    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 84    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.491 | -1.2  | 81    | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.483 | -1.2  | 84    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.194 | -0.5  | 83    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.261 | -0.7  | 83    | -0.01    |
| 69   | Atrazine                   | 40.000 | 40.034 | -0.1  | 83    | -0.01    |
| 70 C | Pentachlorophenol          | 40.000 | 40.698 | -1.7  | 82    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.102 | -0.3  | 85    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.635 | -1.6  | 86    | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.779 | -1.9  | 88    | -0.01    |
| 74   | Di-n-butylphthalate        | 40.000 | 38.631 | 3.4   | 85    | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 39.480 | 1.3   | 86    | -0.02    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 87    | -0.02    |
| 77   | Benzidine                  | 40.000 | 40.707 | -1.8  | 86    | -0.01    |
| 78   | Pyrene                     | 40.000 | 45.785 | -14.5 | 87    | -0.01    |
| 79 S | Terphenyl-d14              | 80.000 | 88.348 | -10.4 | 85    | -0.01    |
| 80   | Butylbenzylphthalate       | 40.000 | 42.678 | -6.7  | 86    | -0.02    |
| 81   | Benzo(a)anthracene         | 40.000 | 42.644 | -6.6  | 88    | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 42.031 | -5.1  | 91    | -0.02    |
| 83   | Chrysene                   | 40.000 | 42.362 | -5.9  | 87    | -0.02    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.320 | -0.8  | 84    | -0.02    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 39.114 | 2.2   | 83    | -0.02    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 90    | -0.03    |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.800 | -9.5  | 90    | -0.05    |
| 88   | Benzo(b)fluoranthene       | 40.000 | 35.765 | 10.6  | 85    | -0.03    |
| 89   | Benzo(k)fluoranthene       | 40.000 | 38.405 | 4.0   | 90    | -0.03    |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.094 | 2.3   | 88    | -0.03    |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 43.817 | -9.5  | 90    | -0.05    |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 44.789 | -12.0 | 92    | -0.05    |

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(#) = Out of Range

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