

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139852.D  
 Acq On : 18 Oct 2024 14:19  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF101824

Quant Time: Oct 18 15:11:21 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 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   | 102   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 40.655 | -1.6  | 105   | 0.00     |
| 3    | Pyridine                    | 40.000 | 40.990 | -2.5  | 103   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 40.744 | -1.9  | 102   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 80.454 | -0.6  | 103   | 0.00     |
| 6    | Aniline                     | 40.000 | 41.189 | -3.0  | 102   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 79.662 | 0.4   | 102   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.566 | -1.4  | 103   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 42.315 | -5.8  | 107   | 0.00     |
| 10 C | Phenol                      | 40.000 | 40.184 | -0.5  | 102   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 40.412 | -1.0  | 105   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.876 | 0.3   | 102   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.518 | -1.3  | 104   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 40.036 | -0.1  | 104   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 40.413 | -1.0  | 103   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.143 | -0.4  | 102   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 40.275 | -0.7  | 103   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.641 | -1.6  | 102   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 38.970 | 2.6   | 102   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 40.345 | -0.9  | 103   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 102   | 0.00     |
| 22   | Acetophenone                | 40.000 | 39.725 | 0.7   | 104   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 83.942 | -4.9  | 105   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 41.151 | -2.9  | 104   | 0.00     |
| 25   | Isophorone                  | 40.000 | 39.802 | 0.5   | 103   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 44.485 | -11.2 | 108   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.272 | -0.7  | 103   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.910 | 0.2   | 103   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.625 | -1.6  | 104   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.148 | -0.4  | 102   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.669 | 0.8   | 102   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 43.504 | -8.8  | 110   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.875 | 0.3   | 102   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 40.749 | -1.9  | 104   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 41.273 | -3.2  | 104   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 40.628 | -1.6  | 104   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.969 | 0.1   | 104   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.350 | 1.6   | 102   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 103   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 39.867 | 0.3   | 103   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 39.029 | 2.4   | 95    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 80.387 | -0.5  | 103   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.108 | -0.3  | 102   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.714 | -1.8  | 103   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 77.108 | 3.6   | 103   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 38.994 | 2.5   | 101   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.404 | 1.5   | 103   | 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 | 43.541 | -8.9   | 105   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.928 | 0.2    | 103   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.132 | -0.3   | 104   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.406 | -6.0   | 105   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.876 | 0.3    | 103   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 42.805 | -7.0   | 105   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 39.916 | 0.2    | 104   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.520 | 1.2    | 103   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 42.642 | -6.6   | 102   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 44.042 | -10.1  | 106   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.745 | 3.1    | 103   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.905 | 0.2    | 103   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.526 | 1.2    | 103   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.960 | 2.6    | 102   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 42.398 | -6.0   | 104   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.595 | 1.0    | 101   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 103   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.981 | -7.5   | 104   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.107 | 2.2    | 102   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.802 | 0.5    | 105   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.013 | 2.5    | 101   | 0.00     |
| 69   | Atrazine                   | 40.000 | 43.219 | -8.0   | 104   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 42.040 | -5.1   | 101   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.667 | 3.3    | 101   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.415 | 1.5    | 103   | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.984 | 2.5    | 102   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.725 | -1.8   | 103   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.914 | 2.7    | 102   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 105   | 0.00     |
| 77   | Benzydine                  | 40.000 | 50.703 | -26.8# | 119   | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.294 | -0.7   | 102   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 79.672 | 0.4    | 103   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 43.062 | -7.7   | 106   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.474 | -1.2   | 103   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.335 | -0.8   | 103   | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.669 | 3.3    | 103   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.970 | -7.4   | 106   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.806 | -2.0   | 101   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 103   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.587 | -1.5   | 100   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 39.860 | 0.4    | 105   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 40.037 | -0.1   | 102   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.804 | -2.0   | 103   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 40.494 | -1.2   | 100   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 39.948 | 0.1    | 98    | 0.00     |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

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(#) = Out of Range                      SPCC's out = 0    CCC's out = 0