

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122624\  
 Data File : BF140978.D  
 Acq On : 26 Dec 2024 19:52  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF122624

Quant Time: Dec 27 00:40:05 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 27 00:31:16 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   | 106   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 39.078 | 2.3   | 104   | 0.00     |
| 3    | Pyridine                    | 40.000 | 39.221 | 1.9   | 106   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 39.126 | 2.2   | 103   | 0.01     |
| 5 S  | 2-Fluorophenol              | 80.000 | 77.230 | 3.5   | 105   | 0.00     |
| 6    | Aniline                     | 40.000 | 40.214 | -0.5  | 100   | -0.02    |
| 7 S  | Phenol-d6                   | 80.000 | 77.619 | 3.0   | 105   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 45.402 | -13.5 | 121   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 42.275 | -5.7  | 107   | 0.00     |
| 10 C | Phenol                      | 40.000 | 46.698 | -16.7 | 125   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.366 | 1.6   | 109   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.861 | 2.8   | 105   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.612 | -1.5  | 110   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 38.772 | 3.1   | 105   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 39.751 | 0.6   | 105   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.326 | 4.2   | 103   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 39.617 | 1.0   | 106   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.027 | -0.1  | 107   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 40.828 | -2.1  | 112   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 39.323 | 1.7   | 105   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 105   | 0.00     |
| 22   | Acetophenone                | 40.000 | 37.920 | 5.2   | 104   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 91.412 | -14.3 | 115   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 44.060 | -10.2 | 110   | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.534 | 3.7   | 105   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 43.185 | -8.0  | 126   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.926 | 0.2   | 108   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 38.323 | 4.2   | 104   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.280 | -0.7  | 107   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 41.204 | -3.0  | 110   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 38.493 | 3.8   | 104   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 43.158 | -7.9  | 127   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.203 | 2.0   | 107   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 39.095 | 2.3   | 106   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 40.139 | -0.3  | 107   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 42.714 | -6.8  | 113   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.340 | 4.1   | 105   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 37.974 | 5.1   | 104   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 106   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 38.527 | 3.7   | 105   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 40.560 | -1.4  | 105   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 82.713 | -3.4  | 108   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.180 | -0.4  | 107   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.663 | -1.7  | 106   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 74.821 | 6.5   | 106   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 37.916 | 5.2   | 104   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 38.442 | 3.9   | 106   | 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 | 43.198 | -8.0  | 122   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.272 | 4.3   | 104   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.422 | 3.9   | 104   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.386 | -6.0  | 116   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.168 | -0.4  | 110   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 42.522 | -6.3  | 115   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 45.538 | -13.8 | 138   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.318 | 4.2   | 105   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 48.593 | -21.5 | 126   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 44.506 | -11.3 | 124   | 0.00     |
| 58   | Fluorene                   | 40.000 | 37.668 | 5.8   | 105   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.681 | -4.2  | 109   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.629 | 3.4   | 105   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.928 | 5.2   | 105   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.571 | -3.9  | 114   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.471 | 3.8   | 105   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 105   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 43.296 | -8.2  | 132   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.777 | 3.1   | 106   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.247 | 1.9   | 104   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.890 | 2.8   | 105   | 0.00     |
| 69   | Atrazine                   | 40.000 | 35.858 | 10.4  | 106   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 45.869 | -14.7 | 115   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.373 | 4.1   | 105   | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.325 | 4.2   | 104   | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.096 | 4.8   | 104   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.673 | 3.3   | 105   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 37.724 | 5.7   | 103   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 94    | 0.00     |
| 77   | Benzydine                  | 40.000 | 40.101 | -0.3  | 96    | 0.00     |
| 78   | Pyrene                     | 40.000 | 43.575 | -8.9  | 106   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 83.347 | -4.2  | 104   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 43.715 | -9.3  | 100   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 37.941 | 5.1   | 91    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 35.805 | 10.5  | 88    | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.695 | 0.8   | 97    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.713 | -1.8  | 97    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 39.285 | 1.8   | 93    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 102   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 44.255 | -10.6 | 109   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 36.115 | 9.7   | 91    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 40.555 | -1.4  | 106   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 38.510 | 3.7   | 100   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 44.756 | -11.9 | 109   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 45.122 | -12.8 | 108   | 0.00     |

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

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