

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121324\  
 Data File : BF140838.D  
 Acq On : 13 Dec 2024 12:14  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 13 16:13:21 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 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    | 93    | -0.02    |
| 2    | 1,4-Dioxane                 | 40.000 | 38.887 | 2.8    | 91    | -0.02    |
| 3    | Pyridine                    | 40.000 | 38.870 | 2.8    | 82    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.604 | 6.0    | 86    | -0.01    |
| 5 S  | 2-Fluorophenol              | 80.000 | 82.629 | -3.3   | 96    | 0.00     |
| 6    | Aniline                     | 40.000 | 42.523 | -6.3   | 86    | -0.01    |
| 7 S  | Phenol-d6                   | 80.000 | 80.413 | -0.5   | 90    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 41.550 | -3.9   | 95    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 37.130 | 7.2    | 96    | -0.01    |
| 10 C | Phenol                      | 40.000 | 40.669 | -1.7   | 90    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 42.053 | -5.1   | 95    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 41.457 | -3.6   | 97    | -0.02    |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 41.177 | -2.9   | 96    | -0.02    |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 41.328 | -3.3   | 95    | -0.01    |
| 15   | Benzyl Alcohol              | 40.000 | 39.403 | 1.5    | 86    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.645 | 3.4    | 88    | -0.01    |
| 17   | 2-Methylphenol              | 40.000 | 40.351 | -0.9   | 91    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 41.357 | -3.4   | 96    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 39.560 | 1.1    | 89    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.814 | -4.5   | 94    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 89    | -0.02    |
| 22   | Acetophenone                | 40.000 | 40.909 | -2.3   | 92    | -0.01    |
| 23 S | Nitrobenzene-d5             | 80.000 | 81.356 | -1.7   | 90    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.092 | -0.2   | 89    | 0.00     |
| 25   | Isophorone                  | 40.000 | 39.954 | 0.1    | 87    | -0.01    |
| 26 C | 2-Nitrophenol               | 40.000 | 43.327 | -8.3   | 95    | -0.01    |
| 27   | 2,4-Dimethylphenol          | 40.000 | 42.880 | -7.2   | 91    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 40.778 | -1.9   | 90    | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 42.325 | -5.8   | 94    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 42.356 | -5.9   | 96    | -0.02    |
| 31   | Naphthalene                 | 40.000 | 41.459 | -3.6   | 93    | -0.02    |
| 32   | Benzoic acid                | 40.000 | 56.516 | -41.3# | 135   | 0.04     |
| 33   | 4-Chloroaniline             | 40.000 | 44.020 | -10.1  | 93    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 43.283 | -8.2   | 97    | -0.02    |
| 35   | Caprolactam                 | 40.000 | 40.986 | -2.5   | 88    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 42.020 | -5.1   | 90    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 41.936 | -4.8   | 94    | -0.01    |
| 38   | 1-Methylnaphthalene         | 40.000 | 41.891 | -4.7   | 93    | -0.02    |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 87    | -0.02    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 41.781 | -4.5   | 95    | -0.01    |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 45.407 | -13.5  | 105   | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 86.950 | -8.7   | 94    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.228 | -0.6   | 88    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 41.591 | -4.0   | 90    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 82.865 | -3.6   | 94    | -0.02    |
| 46   | 1,1'-Biphenyl               | 40.000 | 41.972 | -4.9   | 94    | -0.01    |
| 47   | 2-Chloronaphthalene         | 40.000 | 42.131 | -5.3   | 94    | -0.01    |

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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 | 41.225 | -3.1   | 89    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.487 | -1.2   | 91    | -0.01    |
| 50   | Dimethylphthalate          | 40.000 | 41.245 | -3.1   | 91    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.355 | -5.9   | 92    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 41.094 | -2.7   | 92    | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 43.047 | -7.6   | 91    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 54.487 | -36.2# | 125   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.948 | -2.4   | 91    | -0.02    |
| 56 P | 4-Nitrophenol              | 40.000 | 48.594 | -21.5  | 102   | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.336 | -5.8   | 91    | 0.00     |
| 58   | Fluorene                   | 40.000 | 42.469 | -6.2   | 95    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 45.759 | -14.4  | 98    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 41.345 | -3.4   | 92    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 42.642 | -6.6   | 95    | -0.01    |
| 62   | 4-Nitroaniline             | 40.000 | 43.826 | -9.6   | 94    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 40.275 | -0.7   | 90    | -0.02    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 90    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 50.379 | -25.9# | 105   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.739 | -1.8   | 94    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.771 | -4.4   | 97    | -0.02    |
| 68   | Hexachlorobenzene          | 40.000 | 41.539 | -3.8   | 95    | -0.01    |
| 69   | Atrazine                   | 40.000 | 34.261 | 14.3   | 92    | -0.01    |
| 70 C | Pentachlorophenol          | 40.000 | 41.203 | -3.0   | 84    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 41.672 | -4.2   | 95    | -0.01    |
| 72   | Anthracene                 | 40.000 | 41.764 | -4.4   | 96    | -0.01    |
| 73   | Carbazole                  | 40.000 | 43.008 | -7.5   | 98    | -0.01    |
| 74   | Di-n-butylphthalate        | 40.000 | 42.152 | -5.4   | 97    | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 43.406 | -8.5   | 100   | -0.01    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 104   | 0.00     |
| 77   | Benzydine                  | 40.000 | 63.129 | -57.8# | 167   | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.495 | 1.3    | 103   | -0.01    |
| 79 S | Terphenyl-d14              | 80.000 | 78.347 | 2.1    | 102   | -0.01    |
| 80   | Butylbenzylphthalate       | 40.000 | 38.152 | 4.6    | 98    | -0.01    |
| 81   | Benzo(a)anthracene         | 40.000 | 41.616 | -4.0   | 112   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 44.358 | -10.9  | 111   | 0.00     |
| 83   | Chrysene                   | 40.000 | 42.278 | -5.7   | 111   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 35.885 | 10.3   | 95    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 36.229 | 9.4    | 96    | 0.01     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 107   | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.864 | -4.7   | 112   | 0.04     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 40.036 | -0.1   | 113   | 0.02     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 44.774 | -11.9  | 119   | 0.02     |
| 90 C | Benzo(a)pyrene             | 40.000 | 42.526 | -6.3   | 115   | 0.02     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 42.393 | -6.0   | 113   | 0.03     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 42.370 | -5.9   | 113   | 0.04     |

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

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

(#) = Out of Range

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