

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020624\  
 Data File : BF137290.D  
 Acq On : 06 Feb 2024 14:22  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 06 14:57:25 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 31 04:56:22 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   | 123   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 37.098 | 7.3   | 111   | 0.02     |
| 3    | Pyridine                    | 40.000 | 41.444 | -3.6  | 127   | 0.02     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 45.191 | -13.0 | 149   | 0.03     |
| 5 S  | 2-Fluorophenol              | 80.000 | 88.156 | -10.2 | 124   | 0.00     |
| 6    | Aniline                     | 40.000 | 45.209 | -13.0 | 126   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 83.453 | -4.3  | 123   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 42.830 | -7.1  | 126   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 39.115 | 2.2   | 105   | 0.00     |
| 10 C | Phenol                      | 40.000 | 42.048 | -5.1  | 123   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 43.802 | -9.5  | 131   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 40.637 | -1.6  | 122   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.389 | 1.5   | 119   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 40.115 | -0.3  | 121   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 48.401 | -21.0 | 133   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.377 | -0.9  | 122   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 44.839 | -12.1 | 133   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 41.257 | -3.1  | 124   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 43.318 | -8.3  | 130   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 44.456 | -11.1 | 129   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 126   | 0.00     |
| 22   | Acetophenone                | 40.000 | 42.536 | -6.3  | 128   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 87.359 | -9.2  | 129   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 43.227 | -8.1  | 127   | 0.00     |
| 25   | Isophorone                  | 40.000 | 42.328 | -5.8  | 130   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 43.677 | -9.2  | 135   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.750 | -4.4  | 123   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 41.951 | -4.9  | 124   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 44.591 | -11.5 | 130   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.951 | -2.4  | 124   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 40.873 | -2.2  | 125   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 49.455 | -23.6 | 173   | 0.02     |
| 33   | 4-Chloroaniline             | 40.000 | 45.963 | -14.9 | 134   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 41.557 | -3.9  | 128   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 49.683 | -24.2 | 141   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 45.110 | -12.8 | 135   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 42.083 | -5.2  | 127   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 42.034 | -5.1  | 126   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 134   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 39.350 | 1.6   | 126   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 44.312 | -10.8 | 134   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 93.532 | -16.9 | 146   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 44.181 | -10.5 | 135   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 42.981 | -7.5  | 133   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 78.379 | 2.0   | 129   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 40.075 | -0.2  | 131   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.128 | -0.3  | 131   | 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 | 49.774 | -24.4  | 147   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.828 | -2.1   | 132   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 42.905 | -7.3   | 138   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 45.623 | -14.1  | 141   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 41.031 | -2.6   | 133   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 50.388 | -26.0# | 157   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 55.477 | -38.7# | 216   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.867 | -2.2   | 131   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 47.781 | -19.5  | 160   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 48.262 | -20.7  | 142   | 0.00     |
| 58   | Fluorene                   | 40.000 | 41.766 | -4.4   | 137   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 45.657 | -14.1  | 146   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 43.599 | -9.0   | 138   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 42.108 | -5.3   | 136   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 49.201 | -23.0  | 143   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 42.924 | -7.3   | 139   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 140   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 49.740 | -24.4  | 177   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.968 | 0.1    | 137   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.508 | -3.8   | 139   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.653 | -1.6   | 140   | 0.00     |
| 69   | Atrazine                   | 40.000 | 45.092 | -12.7  | 148   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 49.681 | -24.2# | 165   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.835 | -2.1   | 139   | 0.00     |
| 72   | Anthracene                 | 40.000 | 41.307 | -3.3   | 142   | 0.00     |
| 73   | Carbazole                  | 40.000 | 43.105 | -7.8   | 144   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 45.007 | -12.5  | 150   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 43.433 | -8.6   | 145   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 186   | 0.00     |
| 77   | Benzydine                  | 40.000 | 39.285 | 1.8    | 153   | 0.00     |
| 78   | Pyrene                     | 40.000 | 34.007 | 15.0   | 148   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 70.322 | 12.1   | 154   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 49.037 | -22.6  | 202   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.484 | 1.3    | 178   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 44.770 | -11.9  | 202   | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.203 | -0.5   | 181   | 0.01     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 55.211 | -38.0# | 232   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 57.465 | -43.7# | 259   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 156   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 31.064 | 22.3   | 111   | 0.01     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 44.382 | -11.0  | 177   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 44.031 | -10.1  | 168   | 0.01     |
| 90 C | Benzo(a)pyrene             | 40.000 | 41.540 | -3.8   | 159   | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 31.870 | 20.3   | 115   | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 29.321 | 26.7#  | 106   | 0.01     |

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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 = 2