

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121422\  
 Data File : BF131629.D  
 Acq On : 14 Dec 2022 14:11  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 15 01:53:12 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 14 03:22:29 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   | 129   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 43.379 | -8.4  | 143   | 0.00     |
| 3    | Pyridine                    | 40.000 | 44.633 | -11.6 | 144   | -0.01    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.773 | 5.6   | 124   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 83.817 | -4.8  | 135   | 0.00     |
| 6    | Aniline                     | 40.000 | 42.852 | -7.1  | 138   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 83.919 | -4.9  | 138   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 41.554 | -3.9  | 137   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 37.605 | 6.0   | 132   | 0.00     |
| 10 C | Phenol                      | 40.000 | 42.767 | -6.9  | 138   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 42.285 | -5.7  | 138   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 40.484 | -1.2  | 133   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.704 | -1.8  | 135   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.837 | 0.4   | 132   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 40.952 | -2.4  | 130   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.956 | 0.1   | 131   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 42.842 | -7.1  | 138   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.748 | 0.6   | 128   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 39.732 | 0.7   | 128   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.490 | -3.7  | 133   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 135   | 0.00     |
| 22   | Acetophenone                | 40.000 | 39.055 | 2.4   | 130   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 78.013 | 2.5   | 130   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 39.413 | 1.5   | 131   | 0.00     |
| 25   | Isophorone                  | 40.000 | 39.874 | 0.3   | 133   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 44.731 | -11.8 | 146   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.248 | -3.1  | 136   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 40.512 | -1.3  | 136   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.695 | -1.7  | 135   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.001 | 2.5   | 131   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.788 | 0.5   | 132   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 45.149 | -12.9 | 146   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 41.922 | -4.8  | 141   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 37.801 | 5.5   | 125   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 47.349 | -18.4 | 159   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 41.543 | -3.9  | 137   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.852 | 0.4   | 133   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 40.227 | -0.6  | 134   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 134   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 39.688 | 0.8   | 129   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 33.009 | 17.5  | 106   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 83.301 | -4.1  | 137   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 41.435 | -3.6  | 134   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 41.667 | -4.2  | 134   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 76.588 | 4.3   | 126   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 40.125 | -0.3  | 131   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.954 | -2.4  | 134   | 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 | 41.581 | -4.0  | 134   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 41.768 | -4.4  | 135   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.981 | -2.5  | 133   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 44.178 | -10.4 | 142   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.912 | -2.3  | 133   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 45.774 | -14.4 | 150   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 42.755 | -6.9  | 146   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.706 | -1.8  | 133   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 46.626 | -16.6 | 150   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 45.520 | -13.8 | 146   | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.730 | -1.8  | 133   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.577 | -1.4  | 132   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 40.265 | -0.7  | 133   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.796 | 3.0   | 127   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 45.832 | -14.6 | 150   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.278 | 1.8   | 131   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 141   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.676 | -11.7 | 153   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.248 | 1.9   | 136   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.332 | 4.2   | 131   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.721 | 3.2   | 133   | 0.00     |
| 69   | Atrazine                   | 40.000 | 41.250 | -3.1  | 137   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 37.300 | 6.8   | 127   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.455 | -1.1  | 142   | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.582 | -1.5  | 140   | 0.00     |
| 73   | Carbazole                  | 40.000 | 41.810 | -4.5  | 145   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.600 | -1.5  | 142   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 42.254 | -5.6  | 149   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 147   | 0.00     |
| 77   | Benzidine                  | 40.000 | 33.317 | 16.7  | 100   | 0.00     |
| 78   | Pyrene                     | 40.000 | 44.242 | -10.6 | 147   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 83.673 | -4.6  | 143   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 47.854 | -19.6 | 158   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 43.072 | -7.7  | 149   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.879 | 0.3   | 133   | 0.00     |
| 83   | Chrysene                   | 40.000 | 43.348 | -8.4  | 150   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.025 | 4.9   | 134   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 31.587 | 21.0# | 111   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 122   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.198 | 2.0   | 111   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 43.004 | -7.5  | 133   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 39.178 | 2.1   | 124   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.853 | -2.1  | 124   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 39.662 | 0.8   | 112   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 39.575 | 1.1   | 112   | -0.01    |

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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 = 1