

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111023\  
 Data File : BM042685.D  
 Acq On : 10 Nov 2023 11:22  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 10 12:39:06 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 09 13:21:00 2023  
 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    | 88    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 34.892 | 12.8   | 77    | 0.00     |
| 3    | Pyridine                    | 40.000 | 33.536 | 16.2   | 74    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 51.158 | -27.9# | 113   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 75.088 | 6.1    | 83    | 0.00     |
| 6    | Aniline                     | 40.000 | 39.736 | 0.7    | 86    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 84.652 | -5.8   | 92    | 0.01     |
| 8    | 2-Chlorophenol              | 40.000 | 40.012 | -0.0   | 88    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 47.994 | -20.0  | 108   | 0.00     |
| 10 C | Phenol                      | 40.000 | 39.945 | 0.1    | 88    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.856 | 0.4    | 89    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.623 | 0.9    | 89    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.309 | -0.8   | 91    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 41.727 | -4.3   | 94    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 55.745 | -39.4# | 118   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 42.349 | -5.9   | 95    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 42.651 | -6.6   | 93    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 44.420 | -11.1  | 99    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 50.548 | -26.4# | 107   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 44.922 | -12.3  | 96    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 98    | 0.00     |
| 22   | Acetophenone                | 40.000 | 42.780 | -7.0   | 101   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 92.555 | -15.7  | 108   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 44.431 | -11.1  | 104   | 0.00     |
| 25   | Isophorone                  | 40.000 | 47.869 | -19.7  | 111   | 0.01     |
| 26 C | 2-Nitrophenol               | 40.000 | 42.139 | -5.3   | 105   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.887 | 0.3    | 93    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 41.535 | -3.8   | 97    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 46.288 | -15.7  | 106   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 46.811 | -17.0  | 111   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 41.583 | -4.0   | 98    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 36.942 | 7.6    | 91    | 0.05     |
| 33   | 4-Chloroaniline             | 40.000 | 43.743 | -9.4   | 97    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 54.833 | -37.1# | 132   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 39.799 | 0.5    | 92    | 0.03     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 46.353 | -15.9  | 106   | 0.01     |
| 37   | 2-Methylnaphthalene         | 40.000 | 44.979 | -12.4  | 105   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 45.507 | -13.8  | 107   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 113   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 46.285 | -15.7  | 126   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 50.415 | -26.0# | 153   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 97.259 | -21.6  | 132   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 45.292 | -13.2  | 120   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 45.588 | -14.0  | 120   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 94.888 | -18.6  | 129   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 41.533 | -3.8   | 112   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.803 | -2.0   | 109   | 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 | 39.996  | 0.0    | 112   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 41.977  | -4.9   | 111   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 43.369  | -8.4   | 115   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.911  | -7.3   | 111   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.949  | -2.4   | 110   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 34.610  | 13.5   | 96    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 33.702  | 15.7   | 91    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 43.513  | -8.8   | 116   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 34.046  | 14.9   | 93    | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.586  | -4.0   | 118   | 0.00     |
| 58   | Fluorene                   | 40.000 | 44.326  | -10.8  | 117   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 45.064  | -12.7  | 119   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 43.758  | -9.4   | 115   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 49.100  | -22.8  | 131   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 35.192  | 12.0   | 98    | 0.01     |
| 63   | Azobenzene                 | 40.000 | 44.101  | -10.3  | 113   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000  | 0.0    | 105   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.994  | 0.0    | 103   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 45.002  | -12.5  | 110   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 50.313  | -25.8# | 123   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 49.176  | -22.9  | 121   | 0.00     |
| 69   | Atrazine                   | 40.000 | 41.521  | -3.8   | 102   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.620  | -4.0   | 104   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 41.400  | -3.5   | 101   | 0.00     |
| 72   | Anthracene                 | 40.000 | 43.214  | -8.0   | 103   | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.956  | -2.4   | 92    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 44.664  | -11.7  | 106   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.502  | 1.2    | 95    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000  | 0.0    | 83    | 0.00     |
| 77   | Benzydine                  | 40.000 | 50.284  | -25.7# | 102   | 0.00     |
| 78   | Pyrene                     | 40.000 | 45.811  | -14.5  | 91    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 106.457 | -33.1# | 103   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 45.932  | -14.8  | 88    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 42.712  | -6.8   | 86    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 46.399  | -16.0  | 89    | 0.00     |
| 83   | Chrysene                   | 40.000 | 41.097  | -2.7   | 83    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 45.770  | -14.4  | 90    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.533  | -3.8   | 84    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000  | 0.0    | 82    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 46.046  | -15.1  | 91    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 40.457  | -1.1   | 80    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 40.007  | -0.0   | 83    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 41.328  | -3.3   | 82    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 42.866  | -7.2   | 92    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 41.454  | -3.6   | 84    | 0.00     |

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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 = 1