

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112223\  
 Data File : BG059838.D  
 Acq On : 23 Nov 2023 5:12  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 23 05:59:24 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 01:51:38 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    | 106   | -0.01    |
| 2    | 1,4-Dioxane                 | 40.000 | 37.081 | 7.3    | 133   | -0.02    |
| 3    | Pyridine                    | 40.000 | 41.435 | -3.6   | 122   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 33.567 | 16.1   | 103   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 77.865 | 2.7    | 108   | 0.00     |
| 6    | Aniline                     | 40.000 | 36.037 | 9.9    | 98    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 76.051 | 4.9    | 102   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 37.013 | 7.5    | 94    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 37.348 | 6.6    | 106   | -0.01    |
| 10 C | Phenol                      | 40.000 | 37.714 | 5.7    | 100   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 37.622 | 5.9    | 99    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 41.979 | -4.9   | 114   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 41.415 | -3.5   | 114   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.292 | 1.8    | 111   | -0.01    |
| 15   | Benzyl Alcohol              | 40.000 | 39.944 | 0.1    | 104   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.109 | 4.7    | 114   | -0.03    |
| 17   | 2-Methylphenol              | 40.000 | 39.880 | 0.3    | 107   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 41.448 | -3.6   | 113   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 36.313 | 9.2    | 94    | -0.01    |
| 20   | 3+4-Methylphenols           | 40.000 | 38.413 | 4.0    | 102   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 111   | -0.01    |
| 22   | Acetophenone                | 40.000 | 39.240 | 1.9    | 106   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 81.349 | -1.7   | 106   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.848 | -2.1   | 106   | -0.01    |
| 25   | Isophorone                  | 40.000 | 36.772 | 8.1    | 99    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 38.597 | 3.5    | 108   | -0.01    |
| 27   | 2,4-Dimethylphenol          | 40.000 | 37.947 | 5.1    | 106   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 41.237 | -3.1   | 113   | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 41.392 | -3.5   | 106   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 43.617 | -9.0   | 115   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 40.468 | -1.2   | 105   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 37.170 | 7.1    | 104   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.615 | 1.0    | 104   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 45.047 | -12.6  | 124   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 34.441 | 13.9   | 97    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 52.234 | -30.6# | 141   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 49.482 | -23.7  | 129   | -0.01    |
| 38   | 1-Methylnaphthalene         | 40.000 | 47.788 | -19.5  | 126   | -0.01    |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 120   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 44.244 | -10.6  | 131   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 59.576 | -48.9# | 175   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 95.418 | -19.3  | 142   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 44.090 | -10.2  | 129   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.969 | -2.4   | 122   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 87.800 | -9.7   | 129   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 41.288 | -3.2   | 123   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 42.929 | -7.3   | 132   | 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 | 46.120 | -15.3  | 134   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 41.898 | -4.7   | 127   | -0.01    |
| 50   | Dimethylphthalate          | 40.000 | 42.939 | -7.3   | 130   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.852 | -4.6   | 129   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 42.586 | -6.5   | 126   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 41.240 | -3.1   | 122   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 54.046 | -35.1# | 168   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 41.804 | -4.5   | 127   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 40.378 | -0.9   | 127   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 43.377 | -8.4   | 134   | 0.00     |
| 58   | Fluorene                   | 40.000 | 44.155 | -10.4  | 130   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.803 | -4.5   | 131   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 43.953 | -9.9   | 136   | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 44.740 | -11.9  | 134   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.716 | -4.3   | 137   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 41.375 | -3.4   | 123   | -0.01    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 123   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 46.929 | -17.3  | 141   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 43.950 | -9.9   | 126   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 47.399 | -18.5  | 142   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 46.916 | -17.3  | 138   | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.897 | 2.8    | 123   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 43.771 | -9.4   | 126   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 43.730 | -9.3   | 128   | 0.00     |
| 72   | Anthracene                 | 40.000 | 43.801 | -9.5   | 128   | 0.00     |
| 73   | Carbazole                  | 40.000 | 41.288 | -3.2   | 122   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 42.913 | -7.3   | 127   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 41.689 | -4.2   | 129   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 124   | 0.00     |
| 77   | Benzydine                  | 40.000 | 33.829 | 15.4   | 106   | 0.00     |
| 78   | Pyrene                     | 40.000 | 42.044 | -5.1   | 127   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 85.989 | -7.5   | 131   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 42.991 | -7.5   | 131   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.921 | -2.3   | 124   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.788 | -4.5   | 127   | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.816 | -2.0   | 122   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.111 | -2.8   | 123   | -0.01    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 36.234 | 9.4    | 95    | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 87    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.697 | 0.8    | 84    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 45.224 | -13.1  | 83    | -0.01    |
| 89   | Benzo(k)fluoranthene       | 40.000 | 46.256 | -15.6  | 86    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.986 | -2.5   | 84    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 39.719 | 0.7    | 85    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 39.670 | 0.8    | 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