

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112123\  
 Data File : BG059798.D  
 Acq On : 21 Nov 2023 19:03  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 22 00:32:57 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   | 102   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 33.452 | 16.4  | 115   | 0.00     |
| 3    | Pyridine                    | 40.000 | 36.850 | 7.9   | 105   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 35.703 | 10.7  | 105   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 71.152 | 11.1  | 95    | 0.00     |
| 6    | Aniline                     | 40.000 | 38.496 | 3.8   | 101   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 77.656 | 2.9   | 100   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.959 | -2.4  | 100   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 40.199 | -0.5  | 109   | 0.00     |
| 10 C | Phenol                      | 40.000 | 38.651 | 3.4   | 99    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 37.763 | 5.6   | 96    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.059 | 2.4   | 102   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 38.313 | 4.2   | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 41.500 | -3.8  | 112   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 43.396 | -8.5  | 109   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.426 | -3.6  | 119   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 44.387 | -11.0 | 114   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.441 | 1.4   | 103   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 44.595 | -11.5 | 111   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 44.836 | -12.1 | 114   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 114   | 0.00     |
| 22   | Acetophenone                | 40.000 | 41.481 | -3.7  | 115   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 82.563 | -3.2  | 111   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.817 | -2.0  | 109   | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.353 | 4.1   | 105   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 42.122 | -5.3  | 121   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 37.333 | 6.7   | 107   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 41.275 | -3.2  | 116   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.920 | -2.3  | 108   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 42.635 | -6.6  | 115   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 41.472 | -3.7  | 110   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 42.381 | -6.0  | 121   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 42.982 | -7.5  | 115   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 43.679 | -9.2  | 123   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 39.035 | 2.4   | 113   | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 42.788 | -7.0  | 118   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.761 | 3.1   | 104   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 38.563 | 3.6   | 105   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 152   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 28.548 | 28.6# | 107   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 28.919 | 27.7# | 108   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 93.910 | -17.4 | 177   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 39.925 | 0.2   | 148   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 42.491 | -6.2  | 160   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 84.995 | -6.2  | 158   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 41.645 | -4.1  | 158   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 42.101 | -5.3  | 164   | 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 | 47.301 | -18.3 | 175   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.823 | -2.1  | 157   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 42.449 | -6.1  | 163   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.946 | -7.4  | 168   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 41.282 | -3.2  | 155   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 41.567 | -3.9  | 157   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 41.576 | -3.9  | 164   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 42.115 | -5.3  | 162   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 40.540 | -1.3  | 161   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.962 | -7.4  | 169   | 0.00     |
| 58   | Fluorene                   | 40.000 | 41.674 | -4.2  | 156   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.880 | 0.3   | 159   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 42.959 | -7.4  | 168   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 43.227 | -8.1  | 164   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 36.434 | 8.9   | 151   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 41.003 | -2.5  | 154   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 145   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.513 | -11.3 | 157   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 45.808 | -14.5 | 155   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 47.362 | -18.4 | 167   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 49.375 | -23.4 | 171   | 0.00     |
| 69   | Atrazine                   | 40.000 | 44.561 | -11.4 | 166   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 43.122 | -7.8  | 146   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 43.127 | -7.8  | 149   | 0.00     |
| 72   | Anthracene                 | 40.000 | 43.514 | -8.8  | 149   | 0.00     |
| 73   | Carbazole                  | 40.000 | 41.254 | -3.1  | 143   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.064 | -2.7  | 143   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 34.796 | 13.0  | 127   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 116   | 0.00     |
| 77   | Benzydine                  | 40.000 | 37.365 | 6.6   | 109   | 0.00     |
| 78   | Pyrene                     | 40.000 | 43.893 | -9.7  | 124   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 92.797 | -16.0 | 132   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 44.492 | -11.2 | 127   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 41.617 | -4.0  | 118   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.419 | -3.5  | 117   | 0.00     |
| 83   | Chrysene                   | 40.000 | 41.981 | -5.0  | 118   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.482 | -8.7  | 122   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 38.379 | 4.1   | 94    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 87    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.437 | 1.4   | 83    | 0.02     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 43.268 | -8.2  | 79    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 44.912 | -12.3 | 83    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.234 | 1.9   | 80    | 0.02     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 40.782 | -2.0  | 87    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 39.039 | 2.4   | 83    | 0.03     |

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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