

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122023\  
 Data File : BG060099.D  
 Acq On : 20 Dec 2023 10:39  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 20 11:58:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 19 04:37:23 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    | 74    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 29.457 | 26.4#  | 52    | 0.00     |
| 3    | Pyridine                    | 40.000 | 32.986 | 17.5   | 59    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 44.109 | -10.3  | 82    | -0.01    |
| 5 S  | 2-Fluorophenol              | 80.000 | 69.455 | 13.2   | 68    | 0.00     |
| 6    | Aniline                     | 40.000 | 49.963 | -24.9  | 89    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 77.664 | 2.9    | 70    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 38.332 | 4.2    | 69    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 39.382 | 1.5    | 70    | 0.00     |
| 10 C | Phenol                      | 40.000 | 39.331 | 1.7    | 70    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 32.039 | 19.9   | 59    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 37.269 | 6.8    | 66    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 35.773 | 10.6   | 67    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 37.048 | 7.4    | 69    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 50.213 | -25.5# | 90    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.840 | 5.4    | 69    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 43.317 | -8.3   | 76    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 38.717 | 3.2    | 69    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 45.938 | -14.8  | 82    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.921 | -4.8   | 77    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 78    | 0.00     |
| 22   | Acetophenone                | 40.000 | 41.508 | -3.8   | 79    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 90.745 | -13.4  | 85    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 42.736 | -6.8   | 80    | 0.00     |
| 25   | Isophorone                  | 40.000 | 42.340 | -5.9   | 79    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 45.230 | -13.1  | 86    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 56.466 | -41.2# | 105   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 34.436 | 13.9   | 65    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 45.747 | -14.4  | 87    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 43.678 | -9.2   | 83    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 38.350 | 4.1    | 73    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 47.770 | -19.4  | 88    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 45.283 | -13.2  | 86    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 47.159 | -17.9  | 89    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 42.637 | -6.6   | 80    | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 47.141 | -17.9  | 87    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 44.924 | -12.3  | 85    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 41.127 | -2.8   | 78    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 95    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 44.189 | -10.5  | 103   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 62.436 | -56.1# | 144   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 98.364 | -23.0  | 116   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 43.345 | -8.4   | 100   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 46.136 | -15.3  | 105   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 85.135 | -6.4   | 99    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.573 | 1.1    | 91    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 36.151 | 9.6    | 82    | 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 | 50.519 | -26.3# | 116   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.245 | -0.6   | 92    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 42.441 | -6.1   | 99    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.857 | -7.1   | 98    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 36.586 | 8.5    | 87    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.020 | -0.1   | 95    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 48.401 | -21.0  | 109   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 41.699 | -4.2   | 97    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 37.586 | 6.0    | 87    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 45.752 | -14.4  | 105   | 0.00     |
| 58   | Fluorene                   | 40.000 | 41.702 | -4.3   | 98    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 47.404 | -18.5  | 113   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 41.904 | -4.8   | 97    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 46.627 | -16.6  | 109   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 39.559 | 1.1    | 93    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 36.135 | 9.7    | 83    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 103   | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 46.819 | -17.0  | 116   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 42.221 | -5.6   | 106   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 44.797 | -12.0  | 113   | -0.01    |
| 68   | Hexachlorobenzene          | 40.000 | 41.237 | -3.1   | 104   | 0.00     |
| 69   | Atrazine                   | 40.000 | 34.256 | 14.4   | 91    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 42.165 | -5.4   | 104   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.557 | -1.4   | 103   | 0.00     |
| 72   | Anthracene                 | 40.000 | 42.617 | -6.5   | 108   | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.127 | 7.2    | 95    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 39.053 | 2.4    | 99    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.538 | -1.3   | 103   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 100   | 0.00     |
| 77   | Benzydine                  | 40.000 | 36.781 | 8.0    | 59    | -0.01    |
| 78   | Pyrene                     | 40.000 | 41.051 | -2.6   | 100   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 91.550 | -14.4  | 110   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 44.997 | -12.5  | 109   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 41.714 | -4.3   | 102   | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 46.981 | -17.5  | 111   | 0.00     |
| 83   | Chrysene                   | 40.000 | 41.580 | -3.9   | 101   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.791 | -4.5   | 104   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 38.228 | 4.4    | 93    | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 95    | -0.02    |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.289 | 4.3    | 89    | -0.02    |
| 88   | Benzo(b)fluoranthene       | 40.000 | 39.079 | 2.3    | 90    | -0.01    |
| 89   | Benzo(k)fluoranthene       | 40.000 | 40.066 | -0.2   | 93    | -0.01    |
| 90 C | Benzo(a)pyrene             | 40.000 | 41.961 | -4.9   | 97    | -0.01    |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 39.409 | 1.5    | 92    | -0.02    |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 37.395 | 6.5    | 87    | -0.02    |

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| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 0