

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120822\  
 Data File : BG055926.D  
 Acq On : 8 Dec 2022 13:44  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 09 08:09:03 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 09 07:57:14 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   | 67    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 36.392 | 9.0   | 62    | 0.00     |
| 3    | Pyridine                    | 40.000 | 39.097 | 2.3   | 64    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 42.828 | -7.1  | 71    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 78.148 | 2.3   | 66    | 0.00     |
| 6    | Aniline                     | 40.000 | 41.896 | -4.7  | 68    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 83.071 | -3.8  | 68    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.679 | -1.7  | 67    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 39.007 | 2.5   | 66    | 0.00     |
| 10 C | Phenol                      | 40.000 | 41.997 | -5.0  | 69    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 40.652 | -1.6  | 68    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.438 | 1.4   | 67    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.732 | 0.7   | 67    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.850 | 0.4   | 67    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 44.733 | -11.8 | 72    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 43.426 | -8.6  | 72    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 43.215 | -8.0  | 71    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.307 | -0.8  | 67    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 43.778 | -9.4  | 71    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 43.222 | -8.1  | 70    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 68    | 0.00     |
| 22   | Acetophenone                | 40.000 | 41.337 | -3.3  | 70    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 85.342 | -6.7  | 72    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 41.925 | -4.8  | 72    | 0.00     |
| 25   | Isophorone                  | 40.000 | 43.618 | -9.0  | 72    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 44.063 | -10.2 | 72    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 42.433 | -6.1  | 71    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 42.102 | -5.3  | 71    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 42.020 | -5.1  | 70    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.555 | -1.4  | 71    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 41.125 | -2.8  | 70    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 17.042 | 57.4# | 29    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 42.117 | -5.3  | 70    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 40.718 | -1.8  | 70    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 42.529 | -6.3  | 69    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 43.552 | -8.9  | 72    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 42.287 | -5.7  | 71    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 42.209 | -5.5  | 70    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 68    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 41.901 | -4.8  | 73    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 39.064 | 2.3   | 64    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 77.184 | 3.5   | 64    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 37.616 | 6.0   | 63    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 38.380 | 4.0   | 63    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 82.767 | -3.5  | 72    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 41.414 | -3.5  | 71    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 41.154 | -2.9  | 70    | 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 | 45.479 | -13.7 | 75    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 42.101 | -5.3  | 71    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 42.068 | -5.2  | 71    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 43.685 | -9.2  | 72    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 41.561 | -3.9  | 70    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 42.417 | -6.0  | 69    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 38.348 | 4.1   | 63    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 41.550 | -3.9  | 71    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 35.900 | 10.3  | 57    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 43.983 | -10.0 | 72    | 0.00     |
| 58   | Fluorene                   | 40.000 | 41.982 | -5.0  | 71    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 34.305 | 14.2  | 57    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 41.567 | -3.9  | 70    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 41.288 | -3.2  | 70    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 42.225 | -5.6  | 70    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 42.073 | -5.2  | 71    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 67    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 41.878 | -4.7  | 67    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.505 | -3.8  | 70    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.315 | -3.3  | 69    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.902 | -2.3  | 70    | 0.00     |
| 69   | Atrazine                   | 40.000 | 39.335 | 1.7   | 67    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 35.052 | 12.4  | 55    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.477 | -1.2  | 69    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.662 | -1.7  | 69    | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.478 | 1.3   | 67    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 39.835 | 0.4   | 67    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.671 | 3.3   | 66    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 61    | 0.00     |
| 77   | Benzydine                  | 40.000 | 48.135 | -20.3 | 70    | 0.00     |
| 78   | Pyrene                     | 40.000 | 43.722 | -9.3  | 66    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 86.351 | -7.9  | 66    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 43.797 | -9.5  | 66    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 42.507 | -6.3  | 64    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 42.236 | -5.6  | 63    | 0.00     |
| 83   | Chrysene                   | 40.000 | 42.630 | -6.6  | 65    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.404 | -8.5  | 66    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 42.922 | -7.3  | 64    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 62    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.685 | 8.3   | 58    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 39.090 | 2.3   | 60    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 39.260 | 1.9   | 61    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 38.465 | 3.8   | 60    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 37.317 | 6.7   | 59    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 36.259 | 9.4   | 57    | 0.00     |

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

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(#) = Out of Range

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