

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021720\  
 Data File : BG044450.D  
 Acq On : 17 Feb 2020 17:01  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 18 06:04:22 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG013020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 10 16:11:50 2020  
 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   | 72    | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 42.316 | -5.8  | 73    | 0.00     |
| 3    | Pyridine                     | 40.000 | 44.918 | -12.3 | 72    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 39.690 | 0.8   | 70    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 85.721 | -7.2  | 74    | -0.01    |
| 6    | Aniline                      | 40.000 | 41.073 | -2.7  | 70    | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 83.695 | -4.6  | 72    | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 41.430 | -3.6  | 71    | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 39.025 | 2.4   | 71    | -0.01    |
| 10 C | Phenol                       | 40.000 | 41.532 | -3.8  | 72    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.475 | -1.2  | 70    | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.778 | -4.4  | 74    | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 42.270 | -5.7  | 73    | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.830 | -4.6  | 72    | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 40.627 | -1.6  | 70    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.880 | -2.2  | 71    | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 40.824 | -2.1  | 71    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 40.709 | -1.8  | 72    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.930 | 0.2   | 69    | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 40.785 | -2.0  | 70    | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 67    | -0.01    |
| 22   | Acetophenone                 | 40.000 | 41.639 | -4.1  | 70    | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.495 | -4.4  | 70    | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 41.494 | -3.7  | 70    | -0.01    |
| 25   | Isophorone                   | 40.000 | 41.310 | -3.3  | 69    | -0.02    |
| 26 C | 2-Nitrophenol                | 40.000 | 43.093 | -7.7  | 71    | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 42.243 | -5.6  | 70    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.077 | -2.7  | 68    | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.028 | -5.1  | 70    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 42.138 | -5.3  | 71    | -0.02    |
| 31   | Naphthalene                  | 40.000 | 42.015 | -5.0  | 71    | -0.01    |
| 32   | Benzoic acid                 | 40.000 | 32.777 | 18.1  | 56    | -0.02    |
| 33   | 4-Chloroaniline              | 40.000 | 41.329 | -3.3  | 70    | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 42.421 | -6.1  | 71    | -0.01    |
| 35   | Caprolactam                  | 40.000 | 41.058 | -2.6  | 70    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.782 | -2.0  | 69    | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 41.476 | -3.7  | 70    | -0.01    |
| 38   | 1-Methylnaphthalene          | 40.000 | 41.677 | -4.2  | 70    | -0.01    |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 66    | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 43.332 | -8.3  | 71    | -0.02    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 32.918 | 17.7  | 52    | -0.01    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 84.514 | -5.6  | 70    | -0.01    |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 43.146 | -7.9  | 70    | -0.01    |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 43.100 | -7.8  | 70    | -0.01    |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 88.665 | -10.8 | 72    | -0.01    |
| 46   | 1,1'-Biphenyl              | 40.000 | 43.122 | -7.8  | 71    | -0.01    |
| 47   | 2-Chloronaphthalene        | 40.000 | 42.783 | -7.0  | 71    | -0.01    |
| 48   | 2-Nitroaniline             | 40.000 | 41.298 | -3.2  | 68    | -0.01    |
| 49   | Acenaphthylene             | 40.000 | 43.136 | -7.8  | 71    | -0.01    |
| 50   | Dimethylphthalate          | 40.000 | 42.075 | -5.2  | 70    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.402 | -3.5  | 69    | -0.02    |
| 52 C | Acenaphthene               | 40.000 | 42.185 | -5.5  | 70    | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 41.073 | -2.7  | 68    | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 37.420 | 6.4   | 62    | -0.01    |
| 55   | Dibenzofuran               | 40.000 | 42.766 | -6.9  | 70    | -0.01    |
| 56 P | 4-Nitrophenol              | 40.000 | 40.073 | -0.2  | 65    | -0.01    |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.705 | -4.3  | 70    | -0.01    |
| 58   | Fluorene                   | 40.000 | 42.975 | -7.4  | 71    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.508 | -3.8  | 68    | -0.01    |
| 60   | Diethylphthalate           | 40.000 | 41.596 | -4.0  | 69    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 42.223 | -5.6  | 70    | -0.01    |
| 62   | 4-Nitroaniline             | 40.000 | 41.521 | -3.8  | 70    | -0.01    |
| 63   | Azobenzene                 | 40.000 | 41.054 | -2.6  | 68    | -0.01    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 68    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.055 | -5.1  | 70    | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.676 | -4.2  | 70    | -0.02    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.638 | -4.1  | 70    | -0.01    |
| 68   | Hexachlorobenzene          | 40.000 | 41.875 | -4.7  | 71    | -0.01    |
| 69   | Atrazine                   | 40.000 | 38.960 | 2.6   | 64    | -0.02    |
| 70 C | Pentachlorophenol          | 40.000 | 37.809 | 5.5   | 63    | -0.01    |
| 71   | Phenanthrene               | 40.000 | 42.928 | -7.3  | 73    | -0.01    |
| 72   | Anthracene                 | 40.000 | 42.848 | -7.1  | 73    | -0.02    |
| 73   | Carbazole                  | 40.000 | 42.906 | -7.3  | 72    | -0.01    |
| 74   | Di-n-butylphthalate        | 40.000 | 43.017 | -7.5  | 71    | -0.02    |
| 75 C | Fluoranthene               | 40.000 | 43.090 | -7.7  | 72    | -0.01    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 73    | -0.02    |
| 77   | Benzidine                  | 40.000 | 40.393 | -1.0  | 65    | -0.02    |
| 78   | Pyrene                     | 40.000 | 40.761 | -1.9  | 73    | -0.02    |
| 79 S | Terphenyl-d14              | 80.000 | 77.616 | 3.0   | 75    | -0.01    |
| 80   | Butylbenzylphthalate       | 40.000 | 40.441 | -1.1  | 72    | -0.02    |
| 81   | Benzo(a)anthracene         | 40.000 | 41.317 | -3.3  | 74    | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.635 | -4.1  | 72    | -0.02    |
| 83   | Chrysene                   | 40.000 | 41.136 | -2.8  | 73    | -0.01    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.572 | -1.4  | 72    | -0.02    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.665 | -4.2  | 74    | -0.02    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.340 | -0.9  | 74    | -0.04    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 70    | -0.02    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 42.857 | -7.1 | 75    | -0.02    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 42.245 | -5.6 | 72    | -0.02    |
| 90 C | Benzo(a)pyrene         | 40.000 | 42.465 | -6.2 | 73    | -0.02    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 42.723 | -6.8 | 75    | -0.04    |
| 92   | Benzo(g,h,i)perylene   | 40.000 | 42.308 | -5.8 | 74    | -0.04    |

(#) = Out of Range

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