

Data Path : Z:\HPCHEM1\BNA G\Data\BG062717\  
 Data File : BG027701.D  
 Acq On : 27 Jun 2017 16:36  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 28 01:10:00 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 21 18:52:15 2017  
 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   | 57    | -0.02    |
| 2    | 1,4-Dioxane                  | 40.000 | 33.638 | 15.9  | 48    | -0.02    |
| 3    | Pyridine                     | 40.000 | 32.192 | 19.5  | 44    | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 42.597 | -6.5  | 58    | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 75.295 | 5.9   | 51    | -0.02    |
| 6    | Aniline                      | 40.000 | 36.510 | 8.7   | 49    | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 78.820 | 1.5   | 53    | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 41.102 | -2.8  | 56    | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 39.430 | 1.4   | 53    | -0.02    |
| 10 C | Phenol                       | 40.000 | 37.953 | 5.1   | 52    | -0.02    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.841 | 7.9   | 49    | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.307 | 1.7   | 55    | -0.02    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.394 | -1.0  | 56    | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.550 | -3.9  | 58    | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 43.898 | -9.7  | 59    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 29.460 | 26.3# | 40    | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 40.410 | -1.0  | 56    | -0.02    |
| 18   | Hexachloroethane             | 40.000 | 39.950 | 0.1   | 56    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.500 | -3.8  | 55    | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 42.631 | -6.6  | 57    | -0.02    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 57    | -0.02    |
| 22   | Acetophenone                 | 40.000 | 41.627 | -4.1  | 59    | -0.02    |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.904 | -2.4  | 58    | -0.02    |
| 24   | Nitrobenzene                 | 40.000 | 40.090 | -0.2  | 57    | -0.02    |
| 25   | Isophorone                   | 40.000 | 40.780 | -2.0  | 57    | -0.02    |
| 26 C | 2-Nitrophenol                | 40.000 | 42.103 | -5.3  | 61    | -0.02    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.672 | -4.2  | 59    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 37.616 | 6.0   | 53    | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 46.709 | -16.8 | 65    | -0.02    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 44.669 | -11.7 | 66    | -0.02    |
| 31   | Naphthalene                  | 40.000 | 41.477 | -3.7  | 60    | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 15.209 | 62.0# | 14    | -0.04    |
| 33   | 4-Chloroaniline              | 40.000 | 42.652 | -6.6  | 60    | -0.02    |
| 34 C | Hexachlorobutadiene          | 40.000 | 47.248 | -18.1 | 69    | -0.02    |
| 35   | Caprolactam                  | 40.000 | 41.536 | -3.8  | 57    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 45.372 | -13.4 | 63    | -0.02    |
| 37   | 2-Methylnaphthalene          | 40.000 | 45.658 | -14.1 | 64    | -0.02    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 63    | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 46.260 | -15.6 | 74    | -0.02    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 41.977 | -4.9  | 67    | -0.02    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 91.710 | -14.6 | 71    | -0.02    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 44.559 | -11.4 | 68    | -0.02    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 44.074 | -10.2 | 69    | -0.02    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 87.004 | -8.8  | 69    | -0.02    |

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

|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 42.197 | -5.5  | 67    | -0.02    |
| 46   | 2-Chloronaphthalene        | 40.000 | 42.691 | -6.7  | 67    | -0.02    |
| 47   | 2-Nitroaniline             | 40.000 | 38.951 | 2.6   | 59    | -0.02    |
| 48   | Acenaphthylene             | 40.000 | 41.678 | -4.2  | 65    | -0.02    |
| 49   | Dimethylphthalate          | 40.000 | 42.998 | -7.5  | 67    | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 45.159 | -12.9 | 69    | -0.02    |
| 51 C | Acenaphthene               | 40.000 | 38.166 | 4.6   | 60    | -0.02    |
| 52   | 3-Nitroaniline             | 40.000 | 40.933 | -2.3  | 62    | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 7.105  | 82.2# | 11    | -0.02    |
| 54   | Dibenzofuran               | 40.000 | 43.261 | -8.2  | 68    | -0.02    |
| 55 P | 4-Nitrophenol              | 40.000 | 31.197 | 22.0  | 49    | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 44.400 | -11.0 | 66    | -0.02    |
| 57   | Fluorene                   | 40.000 | 43.562 | -8.9  | 68    | -0.02    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 46.264 | -15.7 | 71    | -0.02    |
| 59   | Diethylphthalate           | 40.000 | 42.940 | -7.3  | 67    | -0.02    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 44.919 | -12.3 | 71    | -0.02    |
| 61   | 4-Nitroaniline             | 40.000 | 40.516 | -1.3  | 61    | -0.02    |
| 62   | Azobenzene                 | 40.000 | 37.351 | 6.6   | 58    | -0.02    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 66    | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 21.788 | 45.5# | 35    | -0.02    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 42.020 | -5.1  | 67    | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 46.075 | -15.2 | 74    | -0.02    |
| 67   | Hexachlorobenzene          | 40.000 | 45.138 | -12.8 | 74    | -0.02    |
| 68   | Atrazine                   | 40.000 | 42.181 | -5.5  | 67    | -0.02    |
| 69 C | Pentachlorophenol          | 40.000 | 30.138 | 24.7# | 49    | -0.02    |
| 70   | Phenanthrene               | 40.000 | 42.103 | -5.3  | 69    | -0.02    |
| 71   | Anthracene                 | 40.000 | 42.200 | -5.5  | 68    | -0.02    |
| 72   | Carbazole                  | 40.000 | 40.197 | -0.5  | 66    | -0.02    |
| 73   | Di-n-butylphthalate        | 40.000 | 39.780 | 0.5   | 64    | -0.02    |
| 74 C | Fluoranthene               | 40.000 | 42.776 | -6.9  | 70    | -0.02    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 71    | -0.03    |
| 76   | Benzidine                  | 40.000 | 19.310 | 51.7# | 32    | -0.02    |
| 77   | Pyrene                     | 40.000 | 41.042 | -2.6  | 71    | -0.02    |
| 78 S | Terphenyl-d14              | 80.000 | 87.658 | -9.6  | 75    | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 37.229 | 6.9   | 64    | -0.02    |
| 80   | Benzo(a)anthracene         | 40.000 | 41.659 | -4.1  | 72    | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.854 | -4.6  | 71    | -0.02    |
| 82   | Chrysene                   | 40.000 | 41.021 | -2.6  | 72    | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 37.058 | 7.4   | 63    | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 38.136 | 4.7   | 64    | -0.03    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 42.391 | -6.0  | 73    | -0.06    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 69    | -0.04    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 45.146 | -12.9 | 77    | -0.04    |

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|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 44.175 | -10.4 | 75    | -0.04    |
| 89 C | Benzo(a)pyrene         | 40.000 | 44.689 | -11.7 | 75    | -0.04    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 42.745 | -6.9  | 72    | -0.06    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 42.860 | -7.1  | 72    | -0.07    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1