

Data Path : Z:\HPCHEM1\BNA M\Data\BM052617\  
 Data File : BM010267.D  
 Acq On : 26 May 2017 21:11  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 27 01:07:33 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 20 04:25:49 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    | 61    | -0.04    |
| 2    | 1,4-Dioxane                  | 40.000 | 42.586 | -6.5   | 67    | -0.02    |
| 3    | Pyridine                     | 40.000 | 38.317 | 4.2    | 57    | -0.04    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 55.499 | -38.7# | 90    | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.317 | 2.1    | 60    | -0.04    |
| 6    | Aniline                      | 40.000 | 37.167 | 7.1    | 56    | -0.04    |
| 7 S  | Phenol-d6                    | 80.000 | 79.350 | 0.8    | 61    | -0.04    |
| 8    | 2-Chlorophenol               | 40.000 | 38.205 | 4.5    | 60    | -0.04    |
| 9    | Benzaldehyde                 | 40.000 | 40.093 | -0.2   | 60    | -0.04    |
| 10 C | Phenol                       | 40.000 | 38.758 | 3.1    | 60    | -0.05    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.704 | 3.2    | 58    | -0.04    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.602 | 1.0    | 61    | -0.04    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.772 | 3.1    | 60    | -0.04    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.977 | 2.6    | 60    | -0.04    |
| 15   | Benzyl Alcohol               | 40.000 | 36.657 | 8.4    | 54    | -0.04    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 34.496 | 13.8   | 51    | -0.05    |
| 17   | 2-Methylphenol               | 40.000 | 38.714 | 3.2    | 58    | -0.04    |
| 18   | Hexachloroethane             | 40.000 | 43.055 | -7.6   | 66    | -0.04    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 44.593 | -11.5  | 67    | -0.05    |
| 20   | 3+4-Methylphenols            | 40.000 | 39.834 | 0.4    | 60    | -0.05    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 57    | -0.04    |
| 22   | Acetophenone                 | 40.000 | 42.531 | -6.3   | 62    | -0.04    |
| 23 S | Nitrobenzene-d5              | 80.000 | 98.011 | -22.5  | 69    | -0.04    |
| 24   | Nitrobenzene                 | 40.000 | 47.798 | -19.5  | 67    | -0.04    |
| 25   | Isophorone                   | 40.000 | 44.288 | -10.7  | 62    | -0.05    |
| 26 C | 2-Nitrophenol                | 40.000 | 45.299 | -13.2  | 63    | -0.04    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.500 | 1.3    | 56    | -0.04    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.055 | -0.1   | 56    | -0.04    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 45.185 | -13.0  | 64    | -0.04    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 43.188 | -8.0   | 63    | -0.04    |
| 31   | Naphthalene                  | 40.000 | 39.099 | 2.3    | 56    | -0.04    |
| 32   | Benzoic acid                 | 40.000 | 38.836 | 2.9    | 55    | -0.05    |
| 33   | 4-Chloroaniline              | 40.000 | 37.404 | 6.5    | 52    | -0.04    |
| 34 C | Hexachlorobutadiene          | 40.000 | 47.182 | -18.0  | 68    | -0.04    |
| 35   | Caprolactam                  | 40.000 | 42.343 | -5.9   | 57    | -0.06    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.941 | -7.4   | 60    | -0.04    |
| 37   | 2-Methylnaphthalene          | 40.000 | 41.490 | -3.7   | 60    | -0.04    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 59    | -0.04    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 43.937 | -9.8   | 66    | -0.04    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 44.450 | -11.1  | 65    | -0.04    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 86.534 | -8.2   | 63    | -0.04    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 46.167 | -15.4  | 66    | -0.04    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 45.094 | -12.7  | 64    | -0.04    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 85.554 | -6.9   | 64    | -0.04    |

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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 | 41.154 | -2.9   | 62    | -0.04    |
| 46   | 2-Chloronaphthalene        | 40.000 | 41.499 | -3.7   | 62    | -0.04    |
| 47   | 2-Nitroaniline             | 40.000 | 50.079 | -25.2# | 74    | -0.04    |
| 48   | Acenaphthylene             | 40.000 | 41.365 | -3.4   | 60    | -0.04    |
| 49   | Dimethylphthalate          | 40.000 | 41.122 | -2.8   | 61    | -0.04    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 43.405 | -8.5   | 61    | -0.03    |
| 51 C | Acenaphthene               | 40.000 | 41.241 | -3.1   | 61    | -0.04    |
| 52   | 3-Nitroaniline             | 40.000 | 39.947 | 0.1    | 59    | -0.04    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 45.805 | -14.5  | 75    | -0.03    |
| 54   | Dibenzofuran               | 40.000 | 41.435 | -3.6   | 62    | -0.04    |
| 55 P | 4-Nitrophenol              | 40.000 | 38.115 | 4.7    | 56    | -0.04    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 43.256 | -8.1   | 64    | -0.04    |
| 57   | Fluorene                   | 40.000 | 42.292 | -5.7   | 64    | -0.04    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 45.994 | -15.0  | 67    | -0.04    |
| 59   | Diethylphthalate           | 40.000 | 42.451 | -6.1   | 63    | -0.04    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 42.951 | -7.4   | 65    | -0.04    |
| 61   | 4-Nitroaniline             | 40.000 | 39.172 | 2.1    | 58    | -0.04    |
| 62   | Azobenzene                 | 40.000 | 50.073 | -25.2# | 73    | -0.04    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 62    | -0.04    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 48.080 | -20.2  | 73    | -0.04    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.735 | -4.3   | 64    | -0.04    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 43.145 | -7.9   | 67    | -0.04    |
| 67   | Hexachlorobenzene          | 40.000 | 39.551 | 1.1    | 61    | -0.04    |
| 68   | Atrazine                   | 40.000 | 41.276 | -3.2   | 62    | -0.04    |
| 69 C | Pentachlorophenol          | 40.000 | 45.574 | -13.9  | 68    | -0.03    |
| 70   | Phenanthrene               | 40.000 | 41.583 | -4.0   | 65    | -0.04    |
| 71   | Anthracene                 | 40.000 | 42.605 | -6.5   | 65    | -0.04    |
| 72   | Carbazole                  | 40.000 | 40.861 | -2.2   | 63    | -0.04    |
| 73   | Di-n-butylphthalate        | 40.000 | 42.172 | -5.4   | 64    | -0.04    |
| 74 C | Fluoranthene               | 40.000 | 41.600 | -4.0   | 65    | -0.03    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 68    | -0.03    |
| 76   | Benzidine                  | 40.000 | 25.673 | 35.8#  | 39    | -0.03    |
| 77   | Pyrene                     | 40.000 | 39.638 | 0.9    | 66    | -0.03    |
| 78 S | Terphenyl-d14              | 80.000 | 83.907 | -4.9   | 69    | -0.03    |
| 79   | Butylbenzylphthalate       | 40.000 | 39.800 | 0.5    | 65    | -0.04    |
| 80   | Benzo(a)anthracene         | 40.000 | 40.979 | -2.4   | 69    | -0.04    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.728 | 0.7    | 66    | -0.03    |
| 82   | Chrysene                   | 40.000 | 40.375 | -0.9   | 68    | -0.04    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.553 | 1.1    | 66    | -0.04    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 40.116 | -0.3   | 67    | -0.05    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.807 | -2.0   | 70    | -0.08    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 65    | -0.05    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 41.813 | -4.5   | 68    | -0.05    |

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| 88   | Benzo(k)fluoranthene   | 40.000 | 41.215 | -3.0 | 68    | -0.05    |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.085 | -2.7 | 68    | -0.05    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 41.202 | -3.0 | 68    | -0.08    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 41.963 | -4.9 | 69    | -0.09    |

(#) = Out of Range

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