

Data Path : Z:\HPCHEM1\BNA M\Data\BM052617\  
 Data File : BM010249.D  
 Acq On : 26 May 2017 10:23  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 26 23:52:57 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    | 48    | -0.04    |
| 2    | 1,4-Dioxane                  | 40.000 | 42.307 | -5.8   | 52    | -0.02    |
| 3    | Pyridine                     | 40.000 | 41.988 | -5.0   | 49    | -0.04    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 54.997 | -37.5# | 70    | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.045 | 2.4    | 47    | -0.04    |
| 6    | Aniline                      | 40.000 | 37.855 | 5.4    | 45    | -0.04    |
| 7 S  | Phenol-d6                    | 80.000 | 79.503 | 0.6    | 47    | -0.04    |
| 8    | 2-Chlorophenol               | 40.000 | 38.547 | 3.6    | 47    | -0.04    |
| 9    | Benzaldehyde                 | 40.000 | 39.829 | 0.4    | 46    | -0.04    |
| 10 C | Phenol                       | 40.000 | 39.592 | 1.0    | 48    | -0.04    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.350 | 4.1    | 45    | -0.04    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.223 | 1.9    | 47    | -0.04    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.183 | 2.0    | 47    | -0.04    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.998 | 2.5    | 47    | -0.04    |
| 15   | Benzyl Alcohol               | 40.000 | 35.544 | 11.1   | 41    | -0.04    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 34.387 | 14.0   | 40    | -0.04    |
| 17   | 2-Methylphenol               | 40.000 | 38.753 | 3.1    | 45    | -0.04    |
| 18   | Hexachloroethane             | 40.000 | 41.757 | -4.4   | 50    | -0.04    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 44.367 | -10.9  | 52    | -0.05    |
| 20   | 3+4-Methylphenols            | 40.000 | 40.184 | -0.5   | 47    | -0.04    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 45    | -0.04    |
| 22   | Acetophenone                 | 40.000 | 42.385 | -6.0   | 48    | -0.04    |
| 23 S | Nitrobenzene-d5              | 80.000 | 98.439 | -23.0  | 54    | -0.04    |
| 24   | Nitrobenzene                 | 40.000 | 49.383 | -23.5  | 55    | -0.04    |
| 25   | Isophorone                   | 40.000 | 45.588 | -14.0  | 50    | -0.05    |
| 26 C | 2-Nitrophenol                | 40.000 | 44.390 | -11.0  | 49    | -0.04    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.857 | -2.1   | 46    | -0.04    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.583 | -1.5   | 45    | -0.04    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 44.759 | -11.9  | 50    | -0.04    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 44.158 | -10.4  | 51    | -0.04    |
| 31   | Naphthalene                  | 40.000 | 40.070 | -0.2   | 45    | -0.04    |
| 32   | Benzoic acid                 | 40.000 | 39.456 | 1.4    | 44    | -0.05    |
| 33   | 4-Chloroaniline              | 40.000 | 36.483 | 8.8    | 40    | -0.04    |
| 34 C | Hexachlorobutadiene          | 40.000 | 47.123 | -17.8  | 54    | -0.04    |
| 35   | Caprolactam                  | 40.000 | 42.155 | -5.4   | 45    | -0.06    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 43.475 | -8.7   | 48    | -0.04    |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.595 | -6.5   | 48    | -0.04    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 49    | -0.04    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.403 | -6.0   | 53    | -0.04    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 42.422 | -6.1   | 52    | -0.04    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 85.795 | -7.2   | 52    | -0.03    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 45.419 | -13.5  | 54    | -0.04    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 44.327 | -10.8  | 52    | -0.04    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 84.324 | -5.4   | 52    | -0.04    |

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|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 40.446 | -1.1  | 50    | -0.04    |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.440 | -1.1  | 50    | -0.04    |
| 47   | 2-Nitroaniline             | 40.000 | 47.187 | -18.0 | 58    | -0.04    |
| 48   | Acenaphthylene             | 40.000 | 40.352 | -0.9  | 49    | -0.04    |
| 49   | Dimethylphthalate          | 40.000 | 41.505 | -3.8  | 51    | -0.04    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.996 | -5.0  | 49    | -0.03    |
| 51 C | Acenaphthene               | 40.000 | 40.335 | -0.8  | 49    | -0.04    |
| 52   | 3-Nitroaniline             | 40.000 | 39.108 | 2.2   | 48    | -0.03    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 44.321 | -10.8 | 60    | -0.03    |
| 54   | Dibenzofuran               | 40.000 | 40.923 | -2.3  | 51    | -0.04    |
| 55 P | 4-Nitrophenol              | 40.000 | 35.955 | 10.1  | 44    | -0.04    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 42.918 | -7.3  | 53    | -0.03    |
| 57   | Fluorene                   | 40.000 | 41.768 | -4.4  | 52    | -0.04    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 45.116 | -12.8 | 55    | -0.04    |
| 59   | Diethylphthalate           | 40.000 | 41.904 | -4.8  | 52    | -0.04    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 42.599 | -6.5  | 54    | -0.04    |
| 61   | 4-Nitroaniline             | 40.000 | 36.773 | 8.1   | 45    | -0.04    |
| 62   | Azobenzene                 | 40.000 | 49.052 | -22.6 | 59    | -0.04    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 52    | -0.03    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 45.722 | -14.3 | 58    | -0.04    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.250 | -3.1  | 52    | -0.04    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.445 | -6.1  | 55    | -0.04    |
| 67   | Hexachlorobenzene          | 40.000 | 40.208 | -0.5  | 52    | -0.04    |
| 68   | Atrazine                   | 40.000 | 41.142 | -2.9  | 51    | -0.04    |
| 69 C | Pentachlorophenol          | 40.000 | 45.600 | -14.0 | 56    | -0.03    |
| 70   | Phenanthrene               | 40.000 | 41.257 | -3.1  | 53    | -0.04    |
| 71   | Anthracene                 | 40.000 | 42.008 | -5.0  | 53    | -0.04    |
| 72   | Carbazole                  | 40.000 | 40.879 | -2.2  | 52    | -0.04    |
| 73   | Di-n-butylphthalate        | 40.000 | 41.429 | -3.6  | 52    | -0.04    |
| 74 C | Fluoranthene               | 40.000 | 41.516 | -3.8  | 54    | -0.03    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 55    | -0.03    |
| 76   | Benzidine                  | 40.000 | 32.233 | 19.4  | 40    | -0.02    |
| 77   | Pyrene                     | 40.000 | 40.217 | -0.5  | 55    | -0.03    |
| 78 S | Terphenyl-d14              | 80.000 | 83.970 | -5.0  | 56    | -0.03    |
| 79   | Butylbenzylphthalate       | 40.000 | 38.283 | 4.3   | 51    | -0.04    |
| 80   | Benzo(a)anthracene         | 40.000 | 40.845 | -2.1  | 56    | -0.04    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 38.474 | 3.8   | 52    | -0.03    |
| 82   | Chrysene                   | 40.000 | 41.226 | -3.1  | 57    | -0.03    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.093 | 2.3   | 53    | -0.04    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 39.525 | 1.2   | 54    | -0.05    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.515 | -3.8  | 58    | -0.08    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 55    | -0.05    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.209 | -0.5  | 54    | -0.05    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 41.128 | -2.8 | 57    | -0.05    |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.639 | -1.6 | 56    | -0.05    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.499 | -1.2 | 56    | -0.08    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 41.824 | -4.6 | 58    | -0.08    |

(#) = Out of Range

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