

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM052218\  
 Data File : BM015272.D  
 Acq On : 23 May 2018 11:23  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 23 12:01:30 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-BM052218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 22 15:47:28 2018  
 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  | 120   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 38.557 | 3.6  | 113   | 0.00     |
| 3    | Pyridine                     | 40.000 | 40.926 | -2.3 | 118   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 42.459 | -6.1 | 122   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.019 | -1.3 | 118   | 0.00     |
| 6    | Aniline                      | 40.000 | 41.977 | -4.9 | 123   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 83.421 | -4.3 | 122   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.500 | -3.8 | 121   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 41.360 | -3.4 | 124   | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.273 | -3.2 | 121   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.931 | -4.8 | 124   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.254 | -0.6 | 120   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.542 | -1.4 | 120   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.662 | -1.7 | 121   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 42.965 | -7.4 | 125   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 42.563 | -6.4 | 129   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 42.014 | -5.0 | 123   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 42.032 | -5.1 | 123   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 43.729 | -9.3 | 128   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 42.139 | -5.3 | 124   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 125   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.836 | -2.1 | 126   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.173 | -4.0 | 126   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.091 | -2.7 | 125   | 0.00     |
| 25   | Isophorone                   | 40.000 | 42.785 | -7.0 | 129   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 41.426 | -3.6 | 127   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.329 | -3.3 | 125   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.948 | -4.9 | 129   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.841 | -4.6 | 126   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.780 | -2.0 | 125   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.263 | -0.7 | 125   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 39.885 | 0.3  | 125   | 0.03     |
| 33   | 4-Chloroaniline              | 40.000 | 41.369 | -3.4 | 126   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.356 | -3.4 | 127   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.346 | 1.6  | 119   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.650 | -4.1 | 126   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.876 | -2.2 | 126   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 125   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.570 | -3.9 | 127   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 42.123 | -5.3 | 135   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 83.473 | -4.3 | 123   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 42.892 | -7.2 | 127   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.941 | -4.9 | 125   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 82.588 | -3.2 | 127   | 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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 41.140 | -2.9  | 127   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 41.060 | -2.7  | 126   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 41.310 | -3.3  | 125   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 41.641 | -4.1  | 126   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 40.352 | -0.9  | 123   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.799 | -4.5  | 123   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 40.642 | -1.6  | 125   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 40.068 | -0.2  | 121   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 37.958 | 5.1   | 122   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 39.978 | 0.1   | 124   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 38.860 | 2.9   | 117   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 39.958 | 0.1   | 121   | 0.00     |
| 57   | Fluorene                   | 40.000 | 40.272 | -0.7  | 123   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.783 | -2.0  | 122   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 40.705 | -1.8  | 124   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.532 | -1.3  | 125   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 39.041 | 2.4   | 118   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 42.505 | -6.3  | 126   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 119   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 41.327 | -3.3  | 121   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 42.231 | -5.6  | 122   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.777 | -6.9  | 124   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 41.561 | -3.9  | 122   | 0.00     |
| 68   | Atrazine                   | 40.000 | 42.387 | -6.0  | 119   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 40.774 | -1.9  | 118   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 40.403 | -1.0  | 119   | 0.00     |
| 71   | Anthracene                 | 40.000 | 41.239 | -3.1  | 119   | 0.00     |
| 72   | Carbazole                  | 40.000 | 40.385 | -1.0  | 115   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 42.991 | -7.5  | 119   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 39.303 | 1.7   | 113   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 107   | 0.00     |
| 76   | Benzidine                  | 40.000 | 44.742 | -11.9 | 109   | 0.00     |
| 77   | Pyrene                     | 40.000 | 42.703 | -6.8  | 112   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 85.898 | -7.4  | 113   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 45.007 | -12.5 | 112   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.780 | -2.0  | 107   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.706 | -4.3  | 105   | 0.00     |
| 82   | Chrysene                   | 40.000 | 40.449 | -1.1  | 106   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 44.920 | -12.3 | 111   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.832 | -4.6  | 108   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.460 | 1.3   | 102   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 103   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.509 | -1.3  | 102   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 41.634 | -4.1 | 106   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.205 | -3.0 | 103   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.589 | -1.5 | 102   | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 40.433 | -1.1 | 102   | 0.00     |

(#) = Out of Range

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