

Data Path : Z:\HPCHEM1\BNA M\Data\BM080917\  
 Data File : BM011190.D  
 Acq On : 10 Aug 2017 00:34  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 10 03:33:23 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 26 17:29:06 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  | 69    | -0.09    |
| 2    | 1,4-Dioxane                  | 40.000 | 42.357 | -5.9 | 76    | -0.11    |
| 3    | Pyridine                     | 40.000 | 42.853 | -7.1 | 74    | -0.11    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 43.225 | -8.1 | 75    | -0.10    |
| 5 S  | 2-Fluorophenol               | 80.000 | 79.133 | 1.1  | 70    | -0.09    |
| 6    | Aniline                      | 40.000 | 39.648 | 0.9  | 70    | -0.09    |
| 7 S  | Phenol-d6                    | 80.000 | 78.158 | 2.3  | 67    | -0.09    |
| 8    | 2-Chlorophenol               | 40.000 | 37.259 | 6.9  | 66    | -0.09    |
| 9    | Benzaldehyde                 | 40.000 | 37.045 | 7.4  | 67    | -0.09    |
| 10 C | Phenol                       | 40.000 | 39.139 | 2.2  | 68    | -0.09    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.833 | 0.4  | 70    | -0.09    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.616 | 3.5  | 69    | -0.09    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 37.468 | 6.3  | 65    | -0.10    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 37.223 | 6.9  | 66    | -0.10    |
| 15   | Benzyl Alcohol               | 40.000 | 40.778 | -1.9 | 72    | -0.09    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 43.723 | -9.3 | 77    | -0.09    |
| 17   | 2-Methylphenol               | 40.000 | 38.025 | 4.9  | 66    | -0.09    |
| 18   | Hexachloroethane             | 40.000 | 40.468 | -1.2 | 71    | -0.11    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 43.025 | -7.6 | 75    | -0.09    |
| 20   | 3+4-Methylphenols            | 40.000 | 36.900 | 7.8  | 65    | -0.10    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 66    | -0.10    |
| 22   | Acetophenone                 | 40.000 | 38.562 | 3.6  | 66    | -0.09    |
| 23 S | Nitrobenzene-d5              | 80.000 | 87.094 | -8.9 | 73    | -0.09    |
| 24   | Nitrobenzene                 | 40.000 | 42.548 | -6.4 | 72    | -0.09    |
| 25   | Isophorone                   | 40.000 | 42.565 | -6.4 | 73    | -0.10    |
| 26 C | 2-Nitrophenol                | 40.000 | 38.204 | 4.5  | 63    | -0.09    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.750 | 5.6  | 64    | -0.09    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.985 | 0.0  | 68    | -0.09    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 38.213 | 4.5  | 64    | -0.09    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.895 | 2.8  | 67    | -0.10    |
| 31   | Naphthalene                  | 40.000 | 37.874 | 5.3  | 65    | -0.11    |
| 32   | Benzoic acid                 | 40.000 | 34.819 | 13.0 | 59    | -0.10    |
| 33   | 4-Chloroaniline              | 40.000 | 34.077 | 14.8 | 58    | -0.09    |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.821 | -2.1 | 69    | -0.10    |
| 35   | Caprolactam                  | 40.000 | 38.213 | 4.5  | 68    | -0.10    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.469 | 1.3  | 67    | -0.10    |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.214 | 7.0  | 63    | -0.10    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 69    | -0.09    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.940 | 2.7  | 69    | -0.09    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 36.480 | 8.8  | 62    | -0.10    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 77.604 | 3.0  | 69    | -0.09    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 39.049 | 2.4  | 66    | -0.09    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 36.330 | 9.2  | 63    | -0.09    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 76.671 | 4.2  | 67    | -0.09    |

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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 | 37.955 | 5.1   | 67    | -0.09    |
| 46   | 2-Chloronaphthalene        | 40.000 | 37.785 | 5.5   | 66    | -0.09    |
| 47   | 2-Nitroaniline             | 40.000 | 43.478 | -8.7  | 75    | -0.09    |
| 48   | Acenaphthylene             | 40.000 | 38.304 | 4.2   | 67    | -0.09    |
| 49   | Dimethylphthalate          | 40.000 | 37.022 | 7.4   | 67    | -0.08    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 38.444 | 3.9   | 67    | -0.09    |
| 51 C | Acenaphthene               | 40.000 | 37.910 | 5.2   | 67    | -0.09    |
| 52   | 3-Nitroaniline             | 40.000 | 35.190 | 12.0  | 62    | -0.09    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 32.313 | 19.2  | 58    | -0.08    |
| 54   | Dibenzofuran               | 40.000 | 38.257 | 4.4   | 68    | -0.09    |
| 55 P | 4-Nitrophenol              | 40.000 | 26.273 | 34.3# | 46    | -0.08    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 39.176 | 2.1   | 68    | -0.09    |
| 57   | Fluorene                   | 40.000 | 38.528 | 3.7   | 69    | -0.09    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.529 | 1.2   | 71    | -0.08    |
| 59   | Diethylphthalate           | 40.000 | 38.685 | 3.3   | 69    | -0.08    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 38.727 | 3.2   | 70    | -0.08    |
| 61   | 4-Nitroaniline             | 40.000 | 25.905 | 35.2# | 47    | -0.08    |
| 62   | Azobenzene                 | 40.000 | 44.811 | -12.0 | 80    | -0.09    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 73    | -0.09    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.030 | 7.4   | 67    | -0.09    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 36.896 | 7.8   | 69    | -0.08    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 37.199 | 7.0   | 70    | -0.08    |
| 67   | Hexachlorobenzene          | 40.000 | 37.100 | 7.2   | 68    | -0.09    |
| 68   | Atrazine                   | 40.000 | 36.698 | 8.3   | 66    | -0.08    |
| 69 C | Pentachlorophenol          | 40.000 | 38.194 | 4.5   | 68    | -0.08    |
| 70   | Phenanthrene               | 40.000 | 38.273 | 4.3   | 71    | -0.09    |
| 71   | Anthracene                 | 40.000 | 37.937 | 5.2   | 70    | -0.09    |
| 72   | Carbazole                  | 40.000 | 37.187 | 7.0   | 70    | -0.08    |
| 73   | Di-n-butylphthalate        | 40.000 | 39.533 | 1.2   | 72    | -0.08    |
| 74 C | Fluoranthene               | 40.000 | 40.904 | -2.3  | 76    | -0.08    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 83    | -0.08    |
| 76   | Benzidine                  | 40.000 | 13.137 | 67.2# | 26    | -0.07    |
| 77   | Pyrene                     | 40.000 | 36.496 | 8.8   | 76    | -0.08    |
| 78 S | Terphenyl-d14              | 80.000 | 73.960 | 7.6   | 76    | -0.08    |
| 79   | Butylbenzylphthalate       | 40.000 | 39.132 | 2.2   | 78    | -0.08    |
| 80   | Benzo(a)anthracene         | 40.000 | 37.530 | 6.2   | 79    | -0.08    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 35.681 | 10.8  | 72    | -0.08    |
| 82   | Chrysene                   | 40.000 | 37.964 | 5.1   | 80    | -0.08    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.392 | 4.0   | 78    | -0.08    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 39.264 | 1.8   | 80    | -0.08    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.391 | 4.0   | 82    | -0.17    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 85    | -0.12    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 36.446 | 8.9   | 78    | -0.10    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 38.177 | 4.6  | 84    | -0.11    |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.454 | 3.9  | 83    | -0.12    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 36.201 | 9.5  | 80    | -0.17    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 38.471 | 3.8  | 85    | -0.19    |

(#) = Out of Range

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