

Data Path : Z:\HPCHEM1\BNA M\DATA\BM033017\  
 Data File : BM009451.D  
 Acq On : 30 Mar 2017 15:05  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 31 08:44:21 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 22 16:43:02 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   | 74    | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 37.420 | 6.4   | 72    | 0.00     |
| 3    | Pyridine                     | 40.000 | 41.198 | -3.0  | 73    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 43.479 | -8.7  | 79    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 83.623 | -4.5  | 76    | -0.01    |
| 6    | Aniline                      | 40.000 | 42.925 | -7.3  | 76    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 87.809 | -9.8  | 77    | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 43.894 | -9.7  | 76    | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 38.673 | 3.3   | 70    | -0.01    |
| 10 C | Phenol                       | 40.000 | 43.070 | -7.7  | 77    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 42.502 | -6.3  | 76    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.379 | -3.4  | 74    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.412 | -3.5  | 74    | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.433 | -3.6  | 73    | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 43.932 | -9.8  | 79    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 42.873 | -7.2  | 78    | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 45.753 | -14.4 | 80    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 43.024 | -7.6  | 75    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 45.077 | -12.7 | 80    | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 44.515 | -11.3 | 78    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 79    | -0.01    |
| 22   | Acetophenone                 | 40.000 | 40.706 | -1.8  | 78    | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 82.871 | -3.6  | 80    | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 41.297 | -3.2  | 80    | -0.01    |
| 25   | Isophorone                   | 40.000 | 42.399 | -6.0  | 80    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 40.979 | -2.4  | 76    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 42.012 | -5.0  | 81    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.252 | -3.1  | 81    | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.111 | -5.3  | 80    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.997 | 0.0   | 77    | -0.01    |
| 31   | Naphthalene                  | 40.000 | 41.060 | -2.7  | 79    | -0.01    |
| 32   | Benzoic acid                 | 40.000 | 37.485 | 6.3   | 73    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 43.162 | -7.9  | 82    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.929 | 0.2   | 78    | -0.01    |
| 35   | Caprolactam                  | 40.000 | 45.492 | -13.7 | 87    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 44.444 | -11.1 | 83    | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.551 | -6.4  | 82    | -0.01    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 87    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.575 | 3.6   | 81    | -0.01    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 35.131 | 12.2  | 72    | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 89.641 | -12.1 | 92    | -0.01    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 40.252 | -0.6  | 81    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.806 | -2.0  | 83    | -0.01    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 79.594 | 0.5   | 83    | -0.01    |

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|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 40.241 | -0.6  | 84    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.081 | -0.2  | 85    | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 44.165 | -10.4 | 90    | -0.01    |
| 48   | Acenaphthylene             | 40.000 | 42.098 | -5.2  | 87    | -0.01    |
| 49   | Dimethylphthalate          | 40.000 | 41.848 | -4.6  | 89    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 43.090 | -7.7  | 87    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 41.535 | -3.8  | 88    | -0.01    |
| 52   | 3-Nitroaniline             | 40.000 | 44.771 | -11.9 | 90    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 34.292 | 14.3  | 77    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 41.584 | -4.0  | 89    | -0.01    |
| 55 P | 4-Nitrophenol              | 40.000 | 43.374 | -8.4  | 90    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 45.193 | -13.0 | 95    | 0.00     |
| 57   | Fluorene                   | 40.000 | 42.730 | -6.8  | 90    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.302 | -5.8  | 89    | -0.01    |
| 59   | Diethylphthalate           | 40.000 | 42.898 | -7.2  | 91    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.487 | -3.7  | 89    | -0.01    |
| 61   | 4-Nitroaniline             | 40.000 | 45.216 | -13.0 | 97    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 45.226 | -13.1 | 94    | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 95    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 38.508 | 3.7   | 90    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.195 | -0.5  | 91    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.159 | -0.4  | 94    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 38.980 | 2.6   | 92    | 0.00     |
| 68   | Atrazine                   | 40.000 | 41.363 | -3.4  | 96    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 39.000 | 2.5   | 92    | -0.01    |
| 70   | Phenanthrene               | 40.000 | 40.578 | -1.4  | 95    | -0.01    |
| 71   | Anthracene                 | 40.000 | 41.748 | -4.4  | 97    | -0.01    |
| 72   | Carbazole                  | 40.000 | 42.660 | -6.6  | 101   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 43.483 | -8.7  | 100   | -0.01    |
| 74 C | Fluoranthene               | 40.000 | 42.623 | -6.6  | 103   | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 109   | 0.00     |
| 76   | Benzidine                  | 40.000 | 34.796 | 13.0  | 90    | -0.01    |
| 77   | Pyrene                     | 40.000 | 40.304 | -0.8  | 104   | -0.01    |
| 78 S | Terphenyl-d14              | 80.000 | 80.853 | -1.1  | 104   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 42.545 | -6.4  | 108   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.909 | -2.3  | 110   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.450 | -3.6  | 109   | 0.00     |
| 82   | Chrysene                   | 40.000 | 40.471 | -1.2  | 108   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.096 | -5.2  | 108   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 43.094 | -7.7  | 111   | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.226 | -3.1  | 112   | -0.02    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 112   | -0.01    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.321 | -0.8  | 109   | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 41.795 | -4.5 | 114   | -0.01    |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.546 | -3.9 | 113   | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 41.333 | -3.3 | 113   | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 41.027 | -2.6 | 112   | -0.01    |

(#) = Out of Range

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