

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040517\  
 Data File : BM009531.D  
 Acq On : 04 Apr 2017 16:03  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 05 02:14:53 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 31 12:10:26 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   | 80    | -0.02    |
| 2    | 1,4-Dioxane                  | 40.000 | 36.465 | 8.8   | 76    | -0.01    |
| 3    | Pyridine                     | 40.000 | 39.640 | 0.9   | 77    | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.241 | -3.1  | 82    | -0.01    |
| 5 S  | 2-Fluorophenol               | 80.000 | 82.863 | -3.6  | 82    | -0.02    |
| 6    | Aniline                      | 40.000 | 42.636 | -6.6  | 82    | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 88.687 | -10.9 | 85    | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 43.491 | -8.7  | 82    | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 37.593 | 6.0   | 74    | -0.02    |
| 10 C | Phenol                       | 40.000 | 43.365 | -8.4  | 84    | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 42.877 | -7.2  | 83    | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.763 | -1.9  | 79    | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.321 | -3.3  | 81    | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.661 | -4.2  | 80    | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 44.007 | -10.0 | 86    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 42.975 | -7.4  | 85    | -0.02    |
| 17   | 2-Methylphenol               | 40.000 | 44.667 | -11.7 | 85    | -0.02    |
| 18   | Hexachloroethane             | 40.000 | 42.664 | -6.7  | 81    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 44.863 | -12.2 | 87    | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 45.220 | -13.0 | 87    | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 87    | -0.02    |
| 22   | Acetophenone                 | 40.000 | 40.239 | -0.6  | 85    | -0.02    |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.675 | -2.1  | 86    | -0.02    |
| 24   | Nitrobenzene                 | 40.000 | 40.320 | -0.8  | 85    | -0.02    |
| 25   | Isophorone                   | 40.000 | 42.497 | -6.2  | 89    | -0.02    |
| 26 C | 2-Nitrophenol                | 40.000 | 42.287 | -5.7  | 87    | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 42.782 | -7.0  | 91    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.838 | -2.1  | 88    | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.955 | -4.9  | 87    | -0.02    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.359 | 1.6   | 83    | -0.02    |
| 31   | Naphthalene                  | 40.000 | 40.373 | -0.9  | 86    | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 34.762 | 13.1  | 76    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 42.894 | -7.2  | 90    | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.587 | 3.5   | 83    | -0.02    |
| 35   | Caprolactam                  | 40.000 | 46.753 | -16.9 | 98    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 44.364 | -10.9 | 91    | -0.02    |
| 37   | 2-Methylnaphthalene          | 40.000 | 41.351 | -3.4  | 88    | -0.02    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 92    | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.205 | 4.5   | 85    | -0.02    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 35.026 | 12.4  | 76    | -0.02    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 88.057 | -10.1 | 96    | -0.02    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.600 | -4.0  | 89    | -0.02    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.124 | -2.8  | 89    | -0.01    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 79.874 | 0.2   | 88    | -0.02    |

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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 | 40.417 | -1.0   | 89    | -0.02    |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.178 | -0.4   | 90    | -0.02    |
| 47   | 2-Nitroaniline             | 40.000 | 45.507 | -13.8  | 98    | -0.02    |
| 48   | Acenaphthylene             | 40.000 | 41.481 | -3.7   | 91    | -0.02    |
| 49   | Dimethylphthalate          | 40.000 | 41.847 | -4.6   | 94    | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 44.520 | -11.3  | 95    | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 41.365 | -3.4   | 92    | -0.01    |
| 52   | 3-Nitroaniline             | 40.000 | 46.291 | -15.7  | 99    | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 53.000 | -32.5# | 134   | -0.01    |
| 54   | Dibenzofuran               | 40.000 | 41.618 | -4.0   | 94    | -0.02    |
| 55 P | 4-Nitrophenol              | 40.000 | 43.680 | -9.2   | 96    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 45.612 | -14.0  | 102   | -0.01    |
| 57   | Fluorene                   | 40.000 | 42.264 | -5.7   | 95    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.951 | -7.4   | 95    | -0.01    |
| 59   | Diethylphthalate           | 40.000 | 43.257 | -8.1   | 97    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.565 | -3.9   | 94    | -0.01    |
| 61   | 4-Nitroaniline             | 40.000 | 46.839 | -17.1  | 106   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 44.085 | -10.2  | 97    | -0.02    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 101   | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.882 | 0.3    | 99    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.718 | 0.7    | 95    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 38.949 | 2.6    | 96    | -0.01    |
| 67   | Hexachlorobenzene          | 40.000 | 38.728 | 3.2    | 97    | -0.01    |
| 68   | Atrazine                   | 40.000 | 39.255 | 1.9    | 96    | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 38.714 | 3.2    | 97    | -0.01    |
| 70   | Phenanthrene               | 40.000 | 40.211 | -0.5   | 100   | -0.02    |
| 71   | Anthracene                 | 40.000 | 41.295 | -3.2   | 101   | -0.01    |
| 72   | Carbazole                  | 40.000 | 42.598 | -6.5   | 106   | -0.01    |
| 73   | Di-n-butylphthalate        | 40.000 | 43.037 | -7.6   | 105   | -0.02    |
| 74 C | Fluoranthene               | 40.000 | 42.105 | -5.3   | 107   | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 111   | -0.01    |
| 76   | Benzidine                  | 40.000 | 33.711 | 15.7   | 89    | -0.01    |
| 77   | Pyrene                     | 40.000 | 40.855 | -2.1   | 108   | -0.02    |
| 78 S | Terphenyl-d14              | 80.000 | 81.806 | -2.3   | 108   | -0.01    |
| 79   | Butylbenzylphthalate       | 40.000 | 43.449 | -8.6   | 113   | -0.01    |
| 80   | Benzo(a)anthracene         | 40.000 | 40.983 | -2.5   | 113   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 42.111 | -5.3   | 114   | 0.00     |
| 82   | Chrysene                   | 40.000 | 40.708 | -1.8   | 111   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.372 | -8.4   | 114   | -0.01    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 44.575 | -11.4  | 118   | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 42.177 | -5.4   | 118   | -0.02    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 115   | -0.02    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.302 | -0.8   | 112   | -0.01    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 42.841 | -7.1 | 119   | -0.01    |
| 89 C | Benzo(a)pyrene         | 40.000 | 42.067 | -5.2 | 117   | -0.02    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 42.221 | -5.6 | 118   | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 41.873 | -4.7 | 117   | -0.02    |

(#) = Out of Range

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