

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF031716\  
 Data File : BF085520.D  
 Acq On : 18 Mar 2016 5:45  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 18 11:48:29 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 15 18:57:05 2016  
 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    | 53    | -0.03    |
| 2    | 1,4-Dioxane                 | 40.000 | 41.034 | -2.6   | 57    | -0.08    |
| 3    | Pyridine                    | 40.000 | 46.968 | -17.4  | 63    | -0.09    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.949 | 5.1    | 51    | -0.10    |
| 5 S  | 2-Fluorophenol              | 80.000 | 86.265 | -7.8   | 64    | -0.05    |
| 6    | Aniline                     | 40.000 | 41.023 | -2.6   | 54    | -0.05    |
| 7 S  | Phenol-d6                   | 80.000 | 84.357 | -5.4   | 59    | -0.05    |
| 8    | 2-Chlorophenol              | 40.000 | 43.942 | -9.9   | 63    | -0.03    |
| 9    | Benzaldehyde                | 40.000 | 36.543 | 8.6    | 61    | -0.03    |
| 10 C | Phenol                      | 40.000 | 44.592 | -11.5  | 68    | -0.03    |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 42.288 | -5.7   | 60    | -0.03    |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 40.195 | -0.5   | 54    | -0.05    |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 41.425 | -3.6   | 60    | -0.03    |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 43.894 | -9.7   | 61    | -0.03    |
| 15   | Benzyl Alcohol              | 40.000 | 39.285 | 1.8    | 52    | -0.05    |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.837 | 0.4    | 54    | -0.03    |
| 17   | 2-Methylphenol              | 40.000 | 39.864 | 0.3    | 52    | -0.03    |
| 18   | Hexachloroethane            | 40.000 | 40.873 | -2.2   | 55    | -0.03    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 36.634 | 8.4    | 54    | -0.05    |
| 20   | 3+4-Methylphenols           | 40.000 | 45.062 | -12.7  | 66    | -0.03    |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 53    | -0.05    |
| 22   | Acetophenone                | 40.000 | 39.598 | 1.0    | 59    | -0.03    |
| 23 S | Nitrobenzene-d5             | 80.000 | 79.172 | 1.0    | 55    | -0.05    |
| 24   | Nitrobenzene                | 40.000 | 43.793 | -9.5   | 58    | -0.05    |
| 25   | Isophorone                  | 40.000 | 40.074 | -0.2   | 54    | -0.05    |
| 26 C | 2-Nitrophenol               | 40.000 | 41.344 | -3.4   | 53    | -0.03    |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.435 | -1.1   | 55    | -0.03    |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 36.519 | 8.7    | 49    | -0.05    |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 43.448 | -8.6   | 61    | -0.03    |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.780 | 0.5    | 55    | -0.03    |
| 31   | Naphthalene                 | 40.000 | 38.975 | 2.6    | 53    | -0.05    |
| 32   | Benzoic acid                | 40.000 | 54.815 | -37.0# | 68    | -0.05    |
| 33   | 4-Chloroaniline             | 40.000 | 37.134 | 7.2    | 50    | -0.05    |
| 34 C | Hexachlorobutadiene         | 40.000 | 39.482 | 1.3    | 51    | -0.03    |
| 35   | Caprolactam                 | 40.000 | 46.034 | -15.1  | 63    | -0.05    |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 42.457 | -6.1   | 64    | -0.03    |
| 37   | 2-Methylnaphthalene         | 40.000 | 40.797 | -2.0   | 63    | -0.03    |
| 38 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 57    | -0.03    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 36.786 | 8.0    | 49    | -0.05    |
| 40 P | Hexachlorocyclopentadiene   | 40.000 | 17.145 | 57.1#  | 22    | -0.03    |
| 41 S | 2,4,6-Tribromophenol        | 80.000 | 81.705 | -2.1   | 53    | -0.05    |
| 42 C | 2,4,6-Trichlorophenol       | 40.000 | 40.598 | -1.5   | 58    | -0.03    |
| 43   | 2,4,5-Trichlorophenol       | 40.000 | 39.079 | 2.3    | 53    | -0.03    |
| 44 S | 2-Fluorobiphenyl            | 80.000 | 91.705 | -14.6  | 70    | -0.03    |

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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 | 39.415 | 1.5    | 56    | -0.05    |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.978 | -2.4   | 60    | -0.03    |
| 47   | 2-Nitroaniline             | 40.000 | 45.428 | -13.6  | 67    | -0.03    |
| 48   | Acenaphthylene             | 40.000 | 42.836 | -7.1   | 64    | -0.03    |
| 49   | Dimethylphthalate          | 40.000 | 43.963 | -9.9   | 61    | -0.03    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 38.965 | 2.6    | 48    | -0.05    |
| 51 C | Acenaphthene               | 40.000 | 41.112 | -2.8   | 59    | -0.03    |
| 52   | 3-Nitroaniline             | 40.000 | 43.551 | -8.9   | 57    | -0.05    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 21.744 | 45.6#  | 24    | -0.05    |
| 54   | Dibenzofuran               | 40.000 | 43.187 | -8.0   | 65    | -0.03    |
| 55 P | 4-Nitrophenol              | 40.000 | 41.177 | -2.9   | 59    | -0.03    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 37.998 | 5.0    | 51    | -0.05    |
| 57   | Fluorene                   | 40.000 | 44.146 | -10.4  | 68    | -0.03    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.315 | -0.8   | 55    | -0.05    |
| 59   | Diethylphthalate           | 40.000 | 43.728 | -9.3   | 68    | -0.03    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.888 | -2.2   | 60    | -0.03    |
| 61   | 4-Nitroaniline             | 40.000 | 37.384 | 6.5    | 50    | -0.05    |
| 62   | Azobenzene                 | 40.000 | 41.564 | -3.9   | 59    | -0.03    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 53    | -0.05    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 24.303 | 39.2#  | 28    | -0.04    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.791 | -4.5   | 59    | -0.05    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 45.330 | -13.3  | 62    | -0.03    |
| 67   | Hexachlorobenzene          | 40.000 | 45.030 | -12.6  | 61    | -0.03    |
| 68   | Atrazine                   | 40.000 | 43.277 | -8.2   | 62    | -0.03    |
| 69 C | Pentachlorophenol          | 40.000 | 40.043 | -0.1   | 48    | -0.03    |
| 70   | Phenanthrene               | 40.000 | 43.601 | -9.0   | 62    | -0.03    |
| 71   | Anthracene                 | 40.000 | 39.138 | 2.2    | 53    | -0.05    |
| 72   | Carbazole                  | 40.000 | 44.170 | -10.4  | 64    | -0.03    |
| 73   | Di-n-butylphthalate        | 40.000 | 48.024 | -20.1  | 66    | -0.03    |
| 74 C | Fluoranthene               | 40.000 | 38.793 | 3.0    | 56    | -0.05    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 53    | -0.05    |
| 76   | Benzidine                  | 40.000 | 40.023 | -0.1   | 56    | -0.03    |
| 77   | Pyrene                     | 40.000 | 38.723 | 3.2    | 55    | -0.05    |
| 78 S | Terphenyl-d14              | 80.000 | 75.822 | 5.2    | 50    | -0.05    |
| 79   | Butylbenzylphthalate       | 40.000 | 42.815 | -7.0   | 55    | -0.05    |
| 80   | Benzo(a)anthracene         | 40.000 | 38.249 | 4.4    | 52    | -0.05    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 44.457 | -11.1  | 56    | -0.05    |
| 82   | Chrysene                   | 40.000 | 41.912 | -4.8   | 63    | -0.05    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 46.691 | -16.7  | 62    | -0.05    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 53.218 | -33.0# | 71    | -0.03    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 47.876 | -19.7  | 59    | -0.09    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 67    | -0.06    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.467 | -1.2   | 77    | -0.06    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 36.465 | 8.8  | 56    | -0.06    |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.840 | 0.4  | 68    | -0.07    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 37.143 | 7.1  | 61    | -0.09    |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 33.681 | 15.8 | 55    | -0.10    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1