

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\  
 Data File : BF092430.D  
 Acq On : 24 Jan 2017 15:51  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

Quant Time: Jan 24 16:28:54 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 24 13:48:07 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  | 93    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 39.320 | 1.7  | 93    | -0.01    |
| 3    | Pyridine                     | 40.000 | 40.683 | -1.7 | 96    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 39.878 | 0.3  | 92    | -0.01    |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.636 | 1.7  | 93    | 0.00     |
| 6    | Aniline                      | 40.000 | 39.518 | 1.2  | 91    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 79.308 | 0.9  | 93    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.299 | -0.7 | 93    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 38.705 | 3.2  | 93    | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.961 | -4.9 | 94    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.617 | -4.0 | 92    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.710 | 0.7  | 92    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.887 | -2.2 | 91    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 36.920 | 7.7  | 92    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 38.114 | 4.7  | 87    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.385 | 1.5  | 92    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.007 | -0.0 | 91    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 41.215 | -3.0 | 93    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.132 | -0.3 | 96    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 42.447 | -6.1 | 93    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 92    | -0.01    |
| 22   | Acetophenone                 | 40.000 | 38.117 | 4.7  | 89    | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 80.973 | -1.2 | 94    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.828 | -4.6 | 90    | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.663 | 3.3  | 91    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 37.962 | 5.1  | 90    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.994 | 5.0  | 90    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 34.785 | 13.0 | 87    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 37.673 | 5.8  | 88    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.816 | 5.5  | 93    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 36.902 | 7.7  | 91    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 38.827 | 2.9  | 87    | -0.01    |
| 33   | 4-Chloroaniline              | 40.000 | 36.377 | 9.1  | 90    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.192 | 2.0  | 92    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.203 | -0.5 | 92    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 38.494 | 3.8  | 86    | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 36.113 | 9.7  | 91    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 93    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.585 | -6.5 | 95    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 43.293 | -8.2 | 93    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 75.684 | 5.4  | 87    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 38.416 | 4.0  | 90    | -0.01    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 42.253 | -5.6 | 92    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 79.046 | 1.2  | 88    | -0.01    |

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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 | 35.587 | 11.0  | 89    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 37.036 | 7.4   | 87    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 37.630 | 5.9   | 86    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 41.329 | -3.3  | 94    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 41.507 | -3.8  | 92    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 46.543 | -16.4 | 95    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 38.369 | 4.1   | 95    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 46.642 | -16.6 | 90    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 36.864 | 7.8   | 90    | -0.01    |
| 54   | Dibenzofuran               | 40.000 | 38.258 | 4.4   | 93    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 38.947 | 2.6   | 77    | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 41.883 | -4.7  | 98    | 0.00     |
| 57   | Fluorene                   | 40.000 | 36.395 | 9.0   | 89    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.981 | -5.0  | 97    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 38.085 | 4.8   | 90    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.067 | -0.2  | 91    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 43.867 | -9.7  | 97    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 41.670 | -4.2  | 90    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 89    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 47.206 | -18.0 | 104   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.601 | -1.5  | 98    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.214 | -5.5  | 97    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 35.901 | 10.2  | 86    | 0.00     |
| 68   | Atrazine                   | 40.000 | 36.881 | 7.8   | 80    | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 44.461 | -11.2 | 95    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 40.954 | -2.4  | 95    | 0.00     |
| 71   | Anthracene                 | 40.000 | 38.551 | 3.6   | 90    | 0.00     |
| 72   | Carbazole                  | 40.000 | 40.846 | -2.1  | 91    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 37.667 | 5.8   | 88    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 40.388 | -1.0  | 97    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 82    | 0.00     |
| 76   | Benzidine                  | 40.000 | 46.218 | -15.5 | 90    | 0.00     |
| 77   | Pyrene                     | 40.000 | 40.192 | -0.5  | 93    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 85.199 | -6.5  | 99    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 40.427 | -1.1  | 79    | -0.01    |
| 80   | Benzo(a)anthracene         | 40.000 | 40.250 | -0.6  | 87    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.956 | -2.4  | 82    | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.906 | 0.2   | 90    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.294 | 1.8   | 82    | -0.01    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 39.069 | 2.3   | 75    | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 33.904 | 15.2  | 72    | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 72    | -0.01    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.578 | 1.1   | 69    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 42.441 | -6.1 | 86    | -0.01    |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.013 | -0.0 | 73    | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 38.894 | 2.8  | 73    | -0.01    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 37.874 | 5.3  | 74    | -0.02    |

(#) = Out of Range

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