

Data Path : Z:\HPCHEM1\BNA F\Data\BF100317\  
 Data File : BF099024.D  
 Acq On : 3 Oct 2017 11:52  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 03 17:08:38 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 23 13:50:58 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   | 72    | -0.05    |
| 2    | 1,4-Dioxane                  | 40.000 | 40.751 | -1.9  | 72    | -0.12    |
| 3    | Pyridine                     | 40.000 | 39.430 | 1.4   | 72    | -0.11    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 37.508 | 6.2   | 67    | -0.12    |
| 5 S  | 2-Fluorophenol               | 80.000 | 84.175 | -5.2  | 75    | -0.05    |
| 6    | Aniline                      | 40.000 | 40.281 | -0.7  | 73    | -0.05    |
| 7 S  | Phenol-d6                    | 80.000 | 83.417 | -4.3  | 74    | -0.04    |
| 8    | 2-Chlorophenol               | 40.000 | 41.635 | -4.1  | 75    | -0.05    |
| 9    | Benzaldehyde                 | 40.000 | 37.890 | 5.3   | 69    | -0.05    |
| 10 C | Phenol                       | 40.000 | 41.339 | -3.3  | 75    | -0.04    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.924 | -2.3  | 74    | -0.05    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.793 | -4.5  | 76    | -0.05    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.811 | -4.5  | 76    | -0.05    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.986 | -5.0  | 76    | -0.05    |
| 15   | Benzyl Alcohol               | 40.000 | 40.102 | -0.3  | 72    | -0.05    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.177 | 2.1   | 72    | -0.04    |
| 17   | 2-Methylphenol               | 40.000 | 40.868 | -2.2  | 74    | -0.04    |
| 18   | Hexachloroethane             | 40.000 | 40.835 | -2.1  | 75    | -0.05    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.798 | 3.0   | 73    | -0.05    |
| 20   | 3+4-Methylphenols            | 40.000 | 39.956 | 0.1   | 72    | -0.05    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 72    | -0.05    |
| 22   | Acetophenone                 | 40.000 | 38.940 | 2.7   | 72    | -0.05    |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.252 | -4.1  | 74    | -0.05    |
| 24   | Nitrobenzene                 | 40.000 | 40.682 | -1.7  | 73    | -0.05    |
| 25   | Isophorone                   | 40.000 | 39.529 | 1.2   | 73    | -0.05    |
| 26 C | 2-Nitrophenol                | 40.000 | 45.594 | -14.0 | 79    | -0.05    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.608 | -1.5  | 74    | -0.05    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.833 | -2.1  | 76    | -0.05    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.161 | -5.4  | 76    | -0.05    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.954 | -4.9  | 76    | -0.05    |
| 31   | Naphthalene                  | 40.000 | 41.214 | -3.0  | 76    | -0.05    |
| 32   | Benzoic acid                 | 40.000 | 34.019 | 15.0  | 59    | -0.05    |
| 33   | 4-Chloroaniline              | 40.000 | 41.207 | -3.0  | 75    | -0.05    |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.969 | -2.4  | 76    | -0.05    |
| 35   | Caprolactam                  | 40.000 | 41.568 | -3.9  | 77    | -0.05    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.695 | -1.7  | 74    | -0.04    |
| 37   | 2-Methylnaphthalene          | 40.000 | 41.557 | -3.9  | 76    | -0.05    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 71    | -0.05    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.465 | -6.2  | 77    | -0.05    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 36.724 | 8.2   | 64    | -0.05    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 88.174 | -10.2 | 76    | -0.05    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.308 | -3.3  | 75    | -0.05    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 42.434 | -6.1  | 75    | -0.04    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 86.492 | -8.1  | 77    | -0.05    |

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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 | 42.084 | -5.2  | 76    | -0.05    |
| 46   | 2-Chloronaphthalene        | 40.000 | 42.062 | -5.2  | 76    | -0.05    |
| 47   | 2-Nitroaniline             | 40.000 | 41.926 | -4.8  | 73    | -0.04    |
| 48   | Acenaphthylene             | 40.000 | 42.460 | -6.2  | 77    | -0.05    |
| 49   | Dimethylphthalate          | 40.000 | 42.437 | -6.1  | 78    | -0.05    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 44.056 | -10.1 | 77    | -0.04    |
| 51 C | Acenaphthene               | 40.000 | 40.200 | -0.5  | 73    | -0.05    |
| 52   | 3-Nitroaniline             | 40.000 | 43.544 | -8.9  | 75    | -0.04    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 39.478 | 1.3   | 72    | -0.03    |
| 54   | Dibenzofuran               | 40.000 | 42.163 | -5.4  | 77    | -0.05    |
| 55 P | 4-Nitrophenol              | 40.000 | 39.856 | 0.4   | 69    | -0.04    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 45.201 | -13.0 | 78    | -0.04    |
| 57   | Fluorene                   | 40.000 | 42.779 | -6.9  | 79    | -0.05    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.783 | -7.0  | 76    | -0.05    |
| 59   | Diethylphthalate           | 40.000 | 42.208 | -5.5  | 77    | -0.05    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 42.275 | -5.7  | 77    | -0.05    |
| 61   | 4-Nitroaniline             | 40.000 | 44.225 | -10.6 | 77    | -0.05    |
| 62   | Azobenzene                 | 40.000 | 40.835 | -2.1  | 74    | -0.05    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 71    | -0.05    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 45.791 | -14.5 | 80    | -0.04    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.963 | -4.9  | 77    | -0.05    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 43.053 | -7.6  | 78    | -0.05    |
| 67   | Hexachlorobenzene          | 40.000 | 41.997 | -5.0  | 77    | -0.05    |
| 68   | Atrazine                   | 40.000 | 42.824 | -7.1  | 77    | -0.04    |
| 69 C | Pentachlorophenol          | 40.000 | 37.490 | 6.3   | 64    | -0.04    |
| 70   | Phenanthrene               | 40.000 | 41.707 | -4.3  | 77    | -0.05    |
| 71   | Anthracene                 | 40.000 | 42.543 | -6.4  | 78    | -0.05    |
| 72   | Carbazole                  | 40.000 | 41.934 | -4.8  | 76    | -0.05    |
| 73   | Di-n-butylphthalate        | 40.000 | 42.878 | -7.2  | 78    | -0.05    |
| 74 C | Fluoranthene               | 40.000 | 41.974 | -4.9  | 78    | -0.05    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 73    | -0.05    |
| 76   | Benzidine                  | 40.000 | 42.852 | -7.1  | 79    | -0.05    |
| 77   | Pyrene                     | 40.000 | 41.310 | -3.3  | 77    | -0.05    |
| 78 S | Terphenyl-d14              | 80.000 | 85.200 | -6.5  | 79    | -0.05    |
| 79   | Butylbenzylphthalate       | 40.000 | 43.626 | -9.1  | 79    | -0.05    |
| 80   | Benzo(a)anthracene         | 40.000 | 41.838 | -4.6  | 79    | -0.05    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.966 | -4.9  | 77    | -0.05    |
| 82   | Chrysene                   | 40.000 | 41.554 | -3.9  | 78    | -0.05    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 44.509 | -11.3 | 81    | -0.05    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 45.833 | -14.6 | 86    | -0.05    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.396 | -8.5  | 87    | -0.08    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 78    | -0.06    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 43.315 | -8.3  | 84    | -0.06    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 39.245 | 1.9  | 78    | -0.05    |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.872 | -2.2 | 81    | -0.06    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 43.232 | -8.1 | 88    | -0.08    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 43.439 | -8.6 | 88    | -0.09    |

(#) = Out of Range

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