

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF022817\  
 Data File : BF093239.D  
 Acq On : 28 Feb 2017 10:44  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 28 13:09:58 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 17:31:55 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   | 81    | -0.05    |
| 2    | 1,4-Dioxane                  | 40.000 | 39.238 | 1.9   | 81    | -0.09    |
| 3    | Pyridine                     | 40.000 | 44.582 | -11.5 | 89    | -0.10    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 36.885 | 7.8   | 74    | -0.10    |
| 5 S  | 2-Fluorophenol               | 80.000 | 82.190 | -2.7  | 79    | -0.05    |
| 6    | Aniline                      | 40.000 | 40.301 | -0.8  | 84    | -0.03    |
| 7 S  | Phenol-d6                    | 80.000 | 84.645 | -5.8  | 86    | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 40.411 | -1.0  | 81    | -0.03    |
| 9    | Benzaldehyde                 | 40.000 | 35.167 | 12.1  | 69    | -0.03    |
| 10 C | Phenol                       | 40.000 | 43.108 | -7.8  | 92    | -0.03    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.756 | 0.6   | 84    | -0.05    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.420 | -3.6  | 86    | -0.05    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.545 | 1.1   | 83    | -0.05    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.379 | -0.9  | 81    | -0.05    |
| 15   | Benzyl Alcohol               | 40.000 | 37.366 | 6.6   | 78    | -0.05    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 41.105 | -2.8  | 84    | -0.05    |
| 17   | 2-Methylphenol               | 40.000 | 41.370 | -3.4  | 80    | -0.03    |
| 18   | Hexachloroethane             | 40.000 | 41.115 | -2.8  | 83    | -0.05    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 43.023 | -7.6  | 95    | -0.05    |
| 20   | 3+4-Methylphenols            | 40.000 | 46.285 | -15.7 | 91    | -0.03    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 83    | -0.05    |
| 22   | Acetophenone                 | 40.000 | 41.598 | -4.0  | 89    | -0.03    |
| 23 S | Nitrobenzene-d5              | 80.000 | 74.912 | 6.4   | 77    | -0.05    |
| 24   | Nitrobenzene                 | 40.000 | 44.453 | -11.1 | 98    | -0.05    |
| 25   | Isophorone                   | 40.000 | 41.940 | -4.8  | 89    | -0.05    |
| 26 C | 2-Nitrophenol                | 40.000 | 40.651 | -1.6  | 78    | -0.03    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.373 | 6.6   | 74    | -0.05    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 37.993 | 5.0   | 79    | -0.05    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.954 | 0.1   | 87    | -0.05    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.543 | 1.1   | 84    | -0.05    |
| 31   | Naphthalene                  | 40.000 | 38.590 | 3.5   | 82    | -0.05    |
| 32   | Benzoic acid                 | 40.000 | 33.288 | 16.8  | 64    | -0.03    |
| 33   | 4-Chloroaniline              | 40.000 | 38.232 | 4.4   | 77    | -0.03    |
| 34 C | Hexachlorobutadiene          | 40.000 | 37.151 | 7.1   | 77    | -0.05    |
| 35   | Caprolactam                  | 40.000 | 39.392 | 1.5   | 76    | -0.05    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 37.959 | 5.1   | 77    | -0.05    |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.729 | 0.7   | 82    | -0.05    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 76    | -0.05    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 43.457 | -8.6  | 84    | -0.05    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 39.274 | 1.8   | 74    | -0.05    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 78.785 | 1.5   | 69    | -0.05    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.584 | -4.0  | 74    | -0.05    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.804 | -2.0  | 80    | -0.03    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 90.394 | -13.0 | 81    | -0.05    |

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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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 42.518 | -6.3  | 78    | -0.05    |
| 46   | 2-Chloronaphthalene        | 40.000 | 45.675 | -14.2 | 82    | -0.05    |
| 47   | 2-Nitroaniline             | 40.000 | 47.578 | -18.9 | 97    | -0.05    |
| 48   | Acenaphthylene             | 40.000 | 43.564 | -8.9  | 89    | -0.05    |
| 49   | Dimethylphthalate          | 40.000 | 41.186 | -3.0  | 78    | -0.05    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 45.668 | -14.2 | 84    | -0.05    |
| 51 C | Acenaphthene               | 40.000 | 41.422 | -3.6  | 83    | -0.05    |
| 52   | 3-Nitroaniline             | 40.000 | 48.251 | -20.6 | 86    | -0.05    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 45.054 | -12.6 | 88    | -0.03    |
| 54   | Dibenzofuran               | 40.000 | 40.897 | -2.2  | 83    | -0.05    |
| 55 P | 4-Nitrophenol              | 40.000 | 35.792 | 10.5  | 69    | -0.02    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 41.197 | -3.0  | 70    | -0.03    |
| 57   | Fluorene                   | 40.000 | 47.503 | -18.8 | 93    | -0.05    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.314 | -8.3  | 74    | -0.05    |
| 59   | Diethylphthalate           | 40.000 | 43.865 | -9.7  | 81    | -0.05    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.647 | -1.6  | 79    | -0.05    |
| 61   | 4-Nitroaniline             | 40.000 | 48.347 | -20.9 | 92    | -0.03    |
| 62   | Azobenzene                 | 40.000 | 45.081 | -12.7 | 86    | -0.05    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 84    | -0.05    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.758 | -1.9  | 86    | -0.03    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.102 | -2.8  | 86    | -0.05    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.233 | 1.9   | 85    | -0.05    |
| 67   | Hexachlorobenzene          | 40.000 | 37.858 | 5.4   | 82    | -0.05    |
| 68   | Atrazine                   | 40.000 | 36.490 | 8.8   | 82    | -0.05    |
| 69 C | Pentachlorophenol          | 40.000 | 35.081 | 12.3  | 73    | -0.03    |
| 70   | Phenanthrene               | 40.000 | 37.065 | 7.3   | 78    | -0.05    |
| 71   | Anthracene                 | 40.000 | 38.854 | 2.9   | 84    | -0.05    |
| 72   | Carbazole                  | 40.000 | 39.443 | 1.4   | 78    | -0.03    |
| 73   | Di-n-butylphthalate        | 40.000 | 41.382 | -3.5  | 88    | -0.05    |
| 74 C | Fluoranthene               | 40.000 | 37.424 | 6.4   | 77    | -0.05    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 83    | -0.05    |
| 76   | Benzidine                  | 40.000 | 40.591 | -1.5  | 85    | -0.05    |
| 77   | Pyrene                     | 40.000 | 38.075 | 4.8   | 75    | -0.05    |
| 78 S | Terphenyl-d14              | 80.000 | 75.365 | 5.8   | 82    | -0.06    |
| 79   | Butylbenzylphthalate       | 40.000 | 43.251 | -8.1  | 89    | -0.05    |
| 80   | Benzo(a)anthracene         | 40.000 | 36.032 | 9.9   | 74    | -0.05    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 37.213 | 7.0   | 75    | -0.05    |
| 82   | Chrysene                   | 40.000 | 36.039 | 9.9   | 69    | -0.05    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.977 | 2.6   | 78    | -0.06    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 40.454 | -1.1  | 80    | -0.05    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 32.733 | 18.2  | 71    | -0.07    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 70    | -0.06    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 44.285 | -10.7 | 73    | -0.05    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 37.006 | 7.5  | 70    | -0.06    |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.555 | 1.1  | 69    | -0.06    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 38.507 | 3.7  | 71    | -0.08    |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 39.160 | 2.1  | 73    | -0.09    |

(#) = Out of Range

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