

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\  
 Data File : BF101113.D  
 Acq On : 5 Dec 2017 10:08  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 05 12:52:16 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 04 13:07:49 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  | 91    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 40.520 | -1.3 | 89    | 0.00     |
| 3    | Pyridine                     | 40.000 | 41.258 | -3.1 | 84    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 42.354 | -5.9 | 92    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 82.624 | -3.3 | 91    | 0.00     |
| 6    | Aniline                      | 40.000 | 39.584 | 1.0  | 87    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 80.330 | -0.4 | 89    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.118 | -0.3 | 89    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 37.553 | 6.1  | 87    | 0.00     |
| 10 C | Phenol                       | 40.000 | 40.064 | -0.2 | 89    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.383 | 1.5  | 87    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.541 | -1.4 | 89    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.713 | 0.7  | 89    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.468 | 1.3  | 89    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.133 | -0.3 | 87    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 33.890 | 15.3 | 74    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 39.244 | 1.9  | 88    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.356 | -0.9 | 90    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.792 | 3.0  | 88    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 39.390 | 1.5  | 87    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 88    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.272 | -0.7 | 87    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.084 | -1.4 | 87    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 40.603 | -1.5 | 88    | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.279 | 1.8  | 86    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.248 | -0.6 | 87    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.062 | -2.7 | 89    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.301 | -0.8 | 87    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.853 | -2.1 | 86    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.189 | -0.5 | 88    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.996 | 0.0  | 87    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 38.408 | 4.0  | 87    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.785 | -2.0 | 86    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.531 | -1.3 | 88    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.409 | 1.5  | 83    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.243 | -0.6 | 87    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.755 | 0.6  | 86    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 84    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.789 | -4.5 | 88    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 37.799 | 5.5  | 83    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 82.132 | -2.7 | 86    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 40.932 | -2.3 | 84    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.930 | -4.8 | 86    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 81.790 | -2.2 | 86    | 0.00     |

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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 | 40.330 | -0.8 | 85    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.710 | -1.8 | 85    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 40.653 | -1.6 | 84    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 40.014 | -0.0 | 84    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 40.157 | -0.4 | 84    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.674 | -1.7 | 86    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 40.557 | -1.4 | 87    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 40.817 | -2.0 | 85    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 36.211 | 9.5  | 75    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 40.281 | -0.7 | 84    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 36.008 | 10.0 | 73    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 39.698 | 0.8  | 81    | 0.00     |
| 57   | Fluorene                   | 40.000 | 40.412 | -1.0 | 85    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.852 | 0.4  | 82    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 40.137 | -0.3 | 83    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.867 | -2.2 | 85    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 39.879 | 0.3  | 83    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 39.742 | 0.6  | 83    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 85    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 38.456 | 3.9  | 79    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.351 | 1.6  | 83    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.654 | 0.9  | 84    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 38.499 | 3.8  | 82    | 0.00     |
| 68   | Atrazine                   | 40.000 | 39.503 | 1.2  | 84    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 37.211 | 7.0  | 75    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 39.335 | 1.7  | 84    | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.111 | 2.2  | 82    | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.779 | 3.1  | 83    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 39.684 | 0.8  | 83    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 38.787 | 3.0  | 84    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 86    | 0.00     |
| 76   | Benzidine                  | 40.000 | 41.369 | -3.4 | 88    | 0.00     |
| 77   | Pyrene                     | 40.000 | 39.536 | 1.2  | 83    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 78.775 | 1.5  | 84    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 39.938 | 0.2  | 83    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.237 | -0.6 | 86    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.451 | -1.1 | 85    | 0.00     |
| 82   | Chrysene                   | 40.000 | 40.398 | -1.0 | 86    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.704 | 0.7  | 82    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.131 | -2.8 | 85    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.190 | -3.0 | 88    | 0.02     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 88    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.425 | 1.4  | 88    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.073 | -0.2 | 86    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.620 | 1.0  | 87    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 39.767 | 0.6  | 88    | 0.02     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 40.098 | -0.2 | 91    | 0.02     |

(#) = Out of Range

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