

Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\  
 Data File : BF093912.D  
 Acq On : 24 Mar 2017 17:46  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 24 23:04:35 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 23 02:02:22 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   | 103   | -0.02    |
| 2    | 1,4-Dioxane                  | 40.000 | 39.599 | 1.0   | 100   | -0.04    |
| 3    | Pyridine                     | 40.000 | 40.632 | -1.6  | 100   | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.521 | -1.3  | 100   | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 79.472 | 0.7   | 102   | -0.01    |
| 6    | Aniline                      | 40.000 | 38.320 | 4.2   | 95    | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 79.858 | 0.2   | 101   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.740 | -1.9  | 101   | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 38.362 | 4.1   | 97    | -0.02    |
| 10 C | Phenol                       | 40.000 | 38.407 | 4.0   | 93    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.082 | -0.2  | 101   | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.087 | -0.2  | 101   | -0.02    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.922 | 0.2   | 101   | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.888 | 0.3   | 101   | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 39.962 | 0.1   | 99    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.245 | 4.4   | 95    | -0.02    |
| 17   | 2-Methylphenol               | 40.000 | 40.375 | -0.9  | 101   | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 40.447 | -1.1  | 100   | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.187 | 4.5   | 96    | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 40.436 | -1.1  | 104   | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 102   | -0.02    |
| 22   | Acetophenone                 | 40.000 | 40.707 | -1.8  | 107   | -0.02    |
| 23 S | Nitrobenzene-d5              | 80.000 | 79.913 | 0.1   | 101   | -0.02    |
| 24   | Nitrobenzene                 | 40.000 | 39.958 | 0.1   | 100   | -0.02    |
| 25   | Isophorone                   | 40.000 | 39.654 | 0.9   | 101   | -0.02    |
| 26 C | 2-Nitrophenol                | 40.000 | 44.069 | -10.2 | 105   | -0.02    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.288 | -0.7  | 102   | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.838 | 2.9   | 99    | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.854 | -2.1  | 102   | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.897 | 0.3   | 101   | -0.02    |
| 31   | Naphthalene                  | 40.000 | 39.354 | 1.6   | 101   | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 40.812 | -2.0  | 92    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.199 | -0.5  | 101   | -0.02    |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.138 | 2.2   | 100   | -0.03    |
| 35   | Caprolactam                  | 40.000 | 42.115 | -5.3  | 104   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.669 | -1.7  | 102   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.128 | 2.2   | 100   | -0.02    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 102   | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.554 | 1.1   | 102   | -0.02    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 42.942 | -7.4  | 102   | -0.03    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 83.398 | -4.2  | 104   | -0.02    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.325 | -3.3  | 104   | -0.02    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.582 | -4.0  | 101   | -0.01    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 78.621 | 1.7   | 101   | -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 | 39.234 | 1.9   | 100   | -0.02    |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.689 | 0.8   | 102   | -0.02    |
| 47   | 2-Nitroaniline             | 40.000 | 42.350 | -5.9  | 104   | -0.02    |
| 48   | Acenaphthylene             | 40.000 | 39.526 | 1.2   | 101   | -0.03    |
| 49   | Dimethylphthalate          | 40.000 | 40.219 | -0.5  | 103   | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.122 | -5.3  | 103   | -0.02    |
| 51 C | Acenaphthene               | 40.000 | 38.850 | 2.9   | 101   | -0.02    |
| 52   | 3-Nitroaniline             | 40.000 | 42.886 | -7.2  | 107   | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 43.731 | -9.3  | 113   | -0.01    |
| 54   | Dibenzofuran               | 40.000 | 38.853 | 2.9   | 98    | -0.02    |
| 55 P | 4-Nitrophenol              | 40.000 | 42.758 | -6.9  | 103   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 41.491 | -3.7  | 100   | -0.02    |
| 57   | Fluorene                   | 40.000 | 37.579 | 6.1   | 103   | -0.03    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.352 | -3.4  | 103   | -0.02    |
| 59   | Diethylphthalate           | 40.000 | 39.754 | 0.6   | 101   | -0.02    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 36.902 | 7.7   | 99    | -0.03    |
| 61   | 4-Nitroaniline             | 40.000 | 43.989 | -10.0 | 108   | -0.01    |
| 62   | Azobenzene                 | 40.000 | 39.303 | 1.7   | 99    | -0.02    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 103   | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.445 | -11.1 | 108   | -0.02    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.276 | 1.8   | 102   | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.622 | 0.9   | 102   | -0.03    |
| 67   | Hexachlorobenzene          | 40.000 | 39.673 | 0.8   | 103   | -0.02    |
| 68   | Atrazine                   | 40.000 | 40.999 | -2.5  | 105   | -0.02    |
| 69 C | Pentachlorophenol          | 40.000 | 37.464 | 6.3   | 93    | -0.02    |
| 70   | Phenanthrene               | 40.000 | 39.548 | 1.1   | 104   | -0.02    |
| 71   | Anthracene                 | 40.000 | 39.386 | 1.5   | 103   | -0.02    |
| 72   | Carbazole                  | 40.000 | 39.444 | 1.4   | 103   | -0.02    |
| 73   | Di-n-butylphthalate        | 40.000 | 40.282 | -0.7  | 103   | -0.02    |
| 74 C | Fluoranthene               | 40.000 | 39.783 | 0.5   | 104   | -0.02    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 104   | -0.02    |
| 76   | Benzidine                  | 40.000 | 40.845 | -2.1  | 103   | -0.02    |
| 77   | Pyrene                     | 40.000 | 39.900 | 0.3   | 104   | -0.02    |
| 78 S | Terphenyl-d14              | 80.000 | 77.330 | 3.3   | 102   | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 42.541 | -6.4  | 105   | -0.02    |
| 80   | Benzo(a)anthracene         | 40.000 | 40.736 | -1.8  | 105   | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 42.898 | -7.2  | 106   | -0.02    |
| 82   | Chrysene                   | 40.000 | 38.288 | 4.3   | 100   | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.523 | 3.7   | 96    | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 42.250 | -5.6  | 104   | -0.03    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.692 | -1.7  | 109   | -0.03    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 112   | -0.02    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.137 | -0.3  | 110   | -0.02    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 39.075 | 2.3  | 106   | -0.02    |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.152 | -0.4 | 109   | -0.02    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 39.411 | 1.5  | 110   | -0.03    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 38.347 | 4.1  | 108   | -0.04    |

(#) = Out of Range

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