

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032216\  
 Data File : BF085683.D  
 Acq On : 23 Mar 2016 3:12  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 23 04:02:36 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 18 23:31:39 2016  
 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    | 87    | -0.02    |
| 2    | 1,4-Dioxane                  | 40.000 | 40.471 | -1.2   | 86    | -0.05    |
| 3    | Pyridine                     | 40.000 | 43.817 | -9.5   | 94    | -0.06    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.580 | -1.4   | 89    | -0.05    |
| 5 S  | 2-Fluorophenol               | 80.000 | 82.090 | -2.6   | 84    | -0.02    |
| 6    | Aniline                      | 40.000 | 41.209 | -3.0   | 89    | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 79.919 | 0.1    | 85    | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 42.104 | -5.3   | 90    | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 53.973 | -34.9# | 107   | -0.02    |
| 10 C | Phenol                       | 40.000 | 43.964 | -9.9   | 86    | -0.02    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 42.525 | -6.3   | 88    | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.543 | 1.1    | 87    | -0.03    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.467 | 3.8    | 88    | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 43.106 | -7.8   | 88    | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 44.830 | -12.1  | 99    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.499 | -1.2   | 85    | -0.02    |
| 17   | 2-Methylphenol               | 40.000 | 42.575 | -6.4   | 93    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 40.079 | -0.2   | 86    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 44.480 | -11.2  | 93    | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 38.656 | 3.4    | 89    | -0.02    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 92    | -0.02    |
| 22   | Acetophenone                 | 40.000 | 36.992 | 7.5    | 91    | -0.02    |
| 23 S | Nitrobenzene-d5              | 80.000 | 85.713 | -7.1   | 93    | -0.02    |
| 24   | Nitrobenzene                 | 40.000 | 37.120 | 7.2    | 90    | -0.02    |
| 25   | Isophorone                   | 40.000 | 39.607 | 1.0    | 92    | -0.02    |
| 26 C | 2-Nitrophenol                | 40.000 | 43.097 | -7.7   | 88    | -0.02    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.002 | 2.5    | 94    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 46.202 | -15.5  | 99    | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.689 | -4.2   | 93    | -0.02    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.032 | 4.9    | 90    | -0.02    |
| 31   | Naphthalene                  | 40.000 | 36.897 | 7.8    | 90    | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 30.892 | 22.8   | 69    | -0.02    |
| 33   | 4-Chloroaniline              | 40.000 | 44.750 | -11.9  | 96    | -0.02    |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.317 | 1.7    | 87    | -0.02    |
| 35   | Caprolactam                  | 40.000 | 39.932 | 0.2    | 90    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 37.961 | 5.1    | 84    | -0.02    |
| 37   | 2-Methylnaphthalene          | 40.000 | 46.388 | -16.0  | 101   | -0.02    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 95    | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 34.554 | 13.6   | 92    | -0.02    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 36.188 | 9.5    | 84    | -0.02    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 85.712 | -7.1   | 103   | -0.02    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 36.986 | 7.5    | 92    | -0.02    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.437 | -1.1   | 96    | -0.02    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 86.955 | -8.7   | 95    | -0.02    |

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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 | 35.184 | 12.0  | 88    | -0.02    |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.094 | 2.3   | 93    | -0.02    |
| 47   | 2-Nitroaniline             | 40.000 | 40.730 | -1.8  | 91    | -0.02    |
| 48   | Acenaphthylene             | 40.000 | 40.257 | -0.6  | 93    | -0.02    |
| 49   | Dimethylphthalate          | 40.000 | 37.051 | 7.4   | 92    | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 37.283 | 6.8   | 96    | -0.02    |
| 51 C | Acenaphthene               | 40.000 | 40.572 | -1.4  | 96    | -0.02    |
| 52   | 3-Nitroaniline             | 40.000 | 35.599 | 11.0  | 92    | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 30.636 | 23.4  | 77    | -0.01    |
| 54   | Dibenzofuran               | 40.000 | 45.601 | -14.0 | 107   | -0.02    |
| 55 P | 4-Nitrophenol              | 40.000 | 31.648 | 20.9  | 72    | -0.02    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 44.084 | -10.2 | 98    | -0.02    |
| 57   | Fluorene                   | 40.000 | 42.151 | -5.4  | 97    | -0.02    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.465 | -3.7  | 103   | -0.02    |
| 59   | Diethylphthalate           | 40.000 | 40.118 | -0.3  | 99    | -0.02    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.668 | 0.8   | 104   | -0.02    |
| 61   | 4-Nitroaniline             | 40.000 | 40.026 | -0.1  | 88    | -0.02    |
| 62   | Azobenzene                 | 40.000 | 43.984 | -10.0 | 106   | -0.02    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 93    | -0.03    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 36.120 | 9.7   | 83    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.920 | -4.8  | 94    | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 44.695 | -11.7 | 100   | -0.02    |
| 67   | Hexachlorobenzene          | 40.000 | 44.095 | -10.2 | 95    | -0.02    |
| 68   | Atrazine                   | 40.000 | 32.033 | 19.9  | 69    | -0.02    |
| 69 C | Pentachlorophenol          | 40.000 | 35.907 | 10.2  | 79    | -0.02    |
| 70   | Phenanthrene               | 40.000 | 42.342 | -5.9  | 94    | -0.02    |
| 71   | Anthracene                 | 40.000 | 38.423 | 3.9   | 99    | -0.02    |
| 72   | Carbazole                  | 40.000 | 43.844 | -9.6  | 98    | -0.02    |
| 73   | Di-n-butylphthalate        | 40.000 | 41.885 | -4.7  | 94    | -0.02    |
| 74 C | Fluoranthene               | 40.000 | 36.803 | 8.0   | 89    | -0.02    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 92    | -0.02    |
| 76   | Benzidine                  | 40.000 | 26.014 | 35.0# | 59    | -0.02    |
| 77   | Pyrene                     | 40.000 | 38.304 | 4.2   | 85    | -0.03    |
| 78 S | Terphenyl-d14              | 80.000 | 86.209 | -7.8  | 108   | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 36.520 | 8.7   | 82    | -0.03    |
| 80   | Benzo(a)anthracene         | 40.000 | 37.769 | 5.6   | 89    | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.120 | 2.2   | 92    | -0.02    |
| 82   | Chrysene                   | 40.000 | 35.568 | 11.1  | 75    | -0.03    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 37.169 | 7.1   | 86    | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 35.365 | 11.6  | 79    | -0.03    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 32.801 | 18.0  | 81    | -0.06    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 74    | -0.05    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 36.986 | 7.5   | 76    | -0.03    |

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|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 48.171 | -20.4 | 74    | -0.03    |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.832 | -4.6  | 76    | -0.03    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 42.040 | -5.1  | 81    | -0.06    |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 43.316 | -8.3  | 84    | -0.06    |

(#) = Out of Range

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