

Data Path : Z:\HPCHEM1\BNA F\Data\BF032015\  
 Data File : BF077879.D  
 Acq On : 20 Mar 2015 22:49  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 21 01:25:28 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 20 23:52:05 2015  
 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  | 83    | -0.03    |
| 2    | 1,4-Dioxane                  | 40.000 | 40.826 | -2.1 | 84    | -0.05    |
| 3    | Pyridine                     | 40.000 | 36.858 | 7.9  | 78    | -0.05    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 34.226 | 14.4 | 66    | -0.05    |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.362 | -1.7 | 87    | -0.02    |
| 6    | Aniline                      | 40.000 | 39.569 | 1.1  | 85    | -0.03    |
| 7 S  | Phenol-d6                    | 80.000 | 81.963 | -2.5 | 86    | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 38.925 | 2.7  | 84    | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 42.971 | -7.4 | 90    | -0.03    |
| 10 C | Phenol                       | 40.000 | 40.086 | -0.2 | 86    | -0.02    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.470 | -1.2 | 85    | -0.03    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.541 | 1.1  | 85    | -0.03    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.855 | 0.4  | 88    | -0.03    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.454 | 1.4  | 86    | -0.03    |
| 15   | Benzyl Alcohol               | 40.000 | 37.842 | 5.4  | 79    | -0.03    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.878 | 0.3  | 85    | -0.03    |
| 17   | 2-Methylphenol               | 40.000 | 40.193 | -0.5 | 84    | -0.02    |
| 18   | Hexachloroethane             | 40.000 | 40.270 | -0.7 | 89    | -0.03    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.448 | 3.9  | 83    | -0.03    |
| 20   | 3+4-Methylphenols            | 40.000 | 39.565 | 1.1  | 85    | -0.02    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 82    | -0.03    |
| 22   | Acetophenone                 | 40.000 | 40.620 | -1.5 | 85    | -0.03    |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.774 | -4.7 | 89    | -0.03    |
| 24   | Nitrobenzene                 | 40.000 | 41.492 | -3.7 | 90    | -0.03    |
| 25   | Isophorone                   | 40.000 | 39.053 | 2.4  | 80    | -0.03    |
| 26 C | 2-Nitrophenol                | 40.000 | 40.230 | -0.6 | 78    | -0.03    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.228 | 4.4  | 78    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.165 | -2.9 | 87    | -0.03    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 38.694 | 3.3  | 79    | -0.02    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.518 | 1.2  | 82    | -0.03    |
| 31   | Naphthalene                  | 40.000 | 39.460 | 1.3  | 83    | -0.03    |
| 32   | Benzoic acid                 | 40.000 | 39.684 | 0.8  | 85    | -0.02    |
| 33   | 4-Chloroaniline              | 40.000 | 38.042 | 4.9  | 77    | -0.03    |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.946 | 0.1  | 84    | -0.03    |
| 35   | Caprolactam                  | 40.000 | 39.832 | 0.4  | 81    | -0.03    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.256 | -3.1 | 87    | -0.02    |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.567 | 3.6  | 79    | -0.03    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 79    | -0.03    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.209 | 4.5  | 77    | -0.03    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 35.845 | 10.4 | 73    | -0.03    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 74.874 | 6.4  | 74    | -0.05    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 38.869 | 2.8  | 74    | -0.02    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 37.949 | 5.1  | 76    | -0.02    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 80.914 | -1.1 | 84    | -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 | 38.628 | 3.4  | 76    | -0.03    |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.722 | -1.8 | 83    | -0.03    |
| 47   | 2-Nitroaniline             | 40.000 | 41.218 | -3.0 | 77    | -0.03    |
| 48   | Acenaphthylene             | 40.000 | 38.678 | 3.3  | 79    | -0.05    |
| 49   | Dimethylphthalate          | 40.000 | 39.467 | 1.3  | 80    | -0.03    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.548 | -6.4 | 84    | -0.03    |
| 51 C | Acenaphthene               | 40.000 | 38.854 | 2.9  | 78    | -0.03    |
| 52   | 3-Nitroaniline             | 40.000 | 39.516 | 1.2  | 77    | -0.03    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 34.560 | 13.6 | 71    | -0.03    |
| 54   | Dibenzofuran               | 40.000 | 39.689 | 0.8  | 79    | -0.03    |
| 55 P | 4-Nitrophenol              | 40.000 | 36.449 | 8.9  | 68    | -0.03    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 41.551 | -3.9 | 83    | -0.03    |
| 57   | Fluorene                   | 40.000 | 39.684 | 0.8  | 79    | -0.03    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.763 | 3.1  | 76    | -0.03    |
| 59   | Diethylphthalate           | 40.000 | 39.445 | 1.4  | 79    | -0.03    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 38.506 | 3.7  | 78    | -0.03    |
| 61   | 4-Nitroaniline             | 40.000 | 40.929 | -2.3 | 80    | -0.03    |
| 62   | Azobenzene                 | 40.000 | 40.066 | -0.2 | 74    | -0.03    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 81    | -0.05    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.823 | 5.4  | 79    | -0.03    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.119 | 2.2  | 77    | -0.03    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 38.061 | 4.8  | 75    | -0.03    |
| 67   | Hexachlorobenzene          | 40.000 | 38.075 | 4.8  | 76    | -0.03    |
| 68   | Atrazine                   | 40.000 | 37.174 | 7.1  | 72    | -0.05    |
| 69 C | Pentachlorophenol          | 40.000 | 34.435 | 13.9 | 71    | -0.03    |
| 70   | Phenanthrene               | 40.000 | 41.338 | -3.3 | 83    | -0.05    |
| 71   | Anthracene                 | 40.000 | 40.251 | -0.6 | 84    | -0.03    |
| 72   | Carbazole                  | 40.000 | 41.624 | -4.1 | 87    | -0.03    |
| 73   | Di-n-butylphthalate        | 40.000 | 38.871 | 2.8  | 79    | -0.03    |
| 74 C | Fluoranthene               | 40.000 | 40.820 | -2.1 | 78    | -0.05    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 83    | -0.14    |
| 76   | Benzidine                  | 40.000 | 32.057 | 19.9 | 65    | -0.05    |
| 77   | Pyrene                     | 40.000 | 38.457 | 3.9  | 74    | -0.05    |
| 78 S | Terphenyl-d14              | 80.000 | 75.647 | 5.4  | 74    | -0.06    |
| 79   | Butylbenzylphthalate       | 40.000 | 38.602 | 3.5  | 79    | -0.09    |
| 80   | Benzo(a)anthracene         | 40.000 | 39.685 | 0.8  | 85    | -0.14    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.920 | 0.2  | 87    | -0.13    |
| 82   | Chrysene                   | 40.000 | 41.351 | -3.4 | 86    | -0.14    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 37.211 | 7.0  | 79    | -0.15    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 36.707 | 8.2  | 78    | -0.24    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.268 | -0.7 | 90    | -0.42    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 85    | -0.33    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 35.277 | 11.8 | 75    | -0.27    |

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|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 47.346 | -18.4 | 105   | -0.27    |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.378 | -3.4  | 89    | -0.32    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 41.124 | -2.8  | 89    | -0.43    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 41.695 | -4.2  | 88    | -0.45    |

(#) = Out of Range

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