

Data Path : Z:\HPCHEM1\BNA F\Data\BF011515\  
 Data File : BF076875.D  
 Acq On : 15 Jan 2015 9:52  
 Operator : IZ / TP  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 15 13:03:57 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 14 23:27:58 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   | 97    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 41.080 | -2.7  | 106   | 0.00     |
| 3    | Pyridine                     | 40.000 | 42.978 | -7.4  | 87    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 36.226 | 9.4   | 88    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 84.007 | -5.0  | 97    | 0.00     |
| 6    | Aniline                      | 40.000 | 40.327 | -0.8  | 92    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 84.422 | -5.5  | 98    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 42.490 | -6.2  | 97    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 34.578 | 13.6  | 97    | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.552 | -3.9  | 93    | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.714 | -4.3  | 99    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.841 | -4.6  | 99    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.143 | -2.9  | 98    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.648 | -4.1  | 97    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 41.402 | -3.5  | 94    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.040 | -0.1  | 94    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.171 | -0.4  | 91    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 41.780 | -4.5  | 97    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.964 | 0.1   | 91    | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 40.657 | -1.6  | 94    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 95    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 42.818 | -7.0  | 95    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 85.961 | -7.5  | 95    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 43.036 | -7.6  | 93    | 0.00     |
| 25   | Isophorone                   | 40.000 | 42.007 | -5.0  | 92    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.138 | -0.3  | 92    | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 42.147 | -5.4  | 91    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.983 | -5.0  | 90    | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.846 | -7.1  | 92    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 43.537 | -8.8  | 93    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 42.090 | -5.2  | 93    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 41.848 | -4.6  | 91    | -0.01    |
| 33   | 4-Chloroaniline              | 40.000 | 42.290 | -5.7  | 94    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 43.146 | -7.9  | 94    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 38.888 | 2.8   | 82    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.229 | -5.6  | 93    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.683 | -6.7  | 95    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 87    | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 43.478 | -8.7  | 92    | -0.01    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 41.118 | -2.8  | 93    | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 87.638 | -9.5  | 88    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 44.010 | -10.0 | 89    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.677 | -4.2  | 84    | -0.01    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 88.688 | -10.9 | 92    | 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 | 44.091 | -10.2  | 90    | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 43.292 | -8.2   | 91    | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 43.648 | -9.1   | 87    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 42.972 | -7.4   | 89    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 42.882 | -7.2   | 91    | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 44.361 | -10.9  | 87    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 42.609 | -6.5   | 89    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 41.369 | -3.4   | 89    | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 32.020 | 19.9   | 81    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 43.488 | -8.7   | 91    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 41.392 | -3.5   | 84    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 40.671 | -1.7   | 89    | 0.00     |
| 57   | Fluorene                   | 40.000 | 44.414 | -11.0  | 93    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.760 | -9.4   | 88    | -0.01    |
| 59   | Diethylphthalate           | 40.000 | 45.241 | -13.1  | 94    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 43.516 | -8.8   | 92    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 42.538 | -6.3   | 92    | -0.01    |
| 62   | Azobenzene                 | 40.000 | 45.170 | -12.9  | 94    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 93    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.171 | 2.1    | 89    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.381 | -3.5   | 88    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.131 | -5.3   | 89    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 42.477 | -6.2   | 94    | 0.00     |
| 68   | Atrazine                   | 40.000 | 45.561 | -13.9  | 93    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 37.944 | 5.1    | 91    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 42.374 | -5.9   | 94    | 0.00     |
| 71   | Anthracene                 | 40.000 | 42.065 | -5.2   | 93    | -0.01    |
| 72   | Carbazole                  | 40.000 | 43.379 | -8.4   | 94    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 45.320 | -13.3  | 97    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 43.633 | -9.1   | 93    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 102   | 0.00     |
| 76   | Benzidine                  | 40.000 | 38.164 | 4.6    | 97    | 0.00     |
| 77   | Pyrene                     | 40.000 | 40.939 | -2.3   | 95    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 84.275 | -5.3   | 100   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 44.072 | -10.2  | 99    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.844 | -2.1   | 96    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.680 | -4.2   | 98    | 0.00     |
| 82   | Chrysene                   | 40.000 | 42.521 | -6.3   | 99    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 47.035 | -17.6  | 111   | -0.01    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 48.156 | -20.4# | 111   | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 44.507 | -11.3  | 103   | -0.06    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 100   | -0.02    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 46.983 | -17.5  | 123   | -0.02    |

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|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 38.110 | 4.7   | 83    | -0.02    |
| 89 C | Benzo(a)pyrene         | 40.000 | 43.332 | -8.3  | 102   | -0.03    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 43.854 | -9.6  | 103   | -0.07    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 44.216 | -10.5 | 104   | -0.07    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1