

Data Path : Z:\HPCHEM1\BNA F\Data\BF010615\  
 Data File : BF076764.D  
 Acq On : 6 Jan 2015 17:50  
 Operator : IZ / TP  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 07 10:19:11 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121714.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 07 01:36:36 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   | 117   | -0.21    |
| 2    | 1,4-Dioxane                  | 40.000 | 35.763 | 10.6  | 104   | -0.28    |
| 3    | Pyridine                     | 40.000 | 37.825 | 5.4   | 113   | -0.42    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 48.617 | -21.5 | 141   | -0.38    |
| 5 S  | 2-Fluorophenol               | 80.000 | 83.218 | -4.0  | 123   | -0.27    |
| 6    | Aniline                      | 40.000 | 43.112 | -7.8  | 125   | -0.20    |
| 7 S  | Phenol-d6                    | 80.000 | 87.213 | -9.0  | 126   | -0.18    |
| 8    | 2-Chlorophenol               | 40.000 | 43.014 | -7.5  | 124   | -0.21    |
| 9    | Benzaldehyde                 | 40.000 | 35.388 | 11.5  | 102   | -0.22    |
| 10 C | Phenol                       | 40.000 | 39.805 | 0.5   | 115   | -0.16    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.985 | -5.0  | 123   | -0.20    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.998 | -5.0  | 121   | -0.21    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 43.443 | -8.6  | 129   | -0.21    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 42.603 | -6.5  | 126   | -0.21    |
| 15   | Benzyl Alcohol               | 40.000 | 42.779 | -6.9  | 121   | -0.19    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.762 | 3.1   | 112   | -0.19    |
| 17   | 2-Methylphenol               | 40.000 | 41.887 | -4.7  | 119   | -0.16    |
| 18   | Hexachloroethane             | 40.000 | 43.646 | -9.1  | 129   | -0.20    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.851 | -2.1  | 124   | -0.18    |
| 20   | 3+4-Methylphenols            | 40.000 | 42.664 | -6.7  | 123   | -0.15    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 122   | -0.20    |
| 22   | Acetophenone                 | 40.000 | 40.566 | -1.4  | 124   | -0.19    |
| 23 S | Nitrobenzene-d5              | 80.000 | 87.699 | -9.6  | 134   | -0.19    |
| 24   | Nitrobenzene                 | 40.000 | 41.887 | -4.7  | 127   | -0.19    |
| 25   | Isophorone                   | 40.000 | 40.619 | -1.5  | 125   | -0.19    |
| 26 C | 2-Nitrophenol                | 40.000 | 41.709 | -4.3  | 122   | -0.20    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.787 | -2.0  | 124   | -0.16    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.710 | -1.8  | 119   | -0.18    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.241 | -0.6  | 124   | -0.19    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.533 | -1.3  | 122   | -0.20    |
| 31   | Naphthalene                  | 40.000 | 38.679 | 3.3   | 120   | -0.20    |
| 32   | Benzoic acid                 | 40.000 | 42.197 | -5.5  | 136   | -0.13    |
| 33   | 4-Chloroaniline              | 40.000 | 41.802 | -4.5  | 124   | -0.19    |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.832 | -4.6  | 132   | -0.19    |
| 35   | Caprolactam                  | 40.000 | 38.603 | 3.5   | 120   | -0.18    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.342 | -3.4  | 120   | -0.16    |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.441 | 1.4   | 119   | -0.21    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 122   | -0.21    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.951 | 2.6   | 117   | -0.21    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 41.399 | -3.5  | 128   | -0.21    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 89.221 | -11.5 | 134   | -0.22    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.886 | -4.7  | 125   | -0.19    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 39.885 | 0.3   | 118   | -0.19    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 83.015 | -3.8  | 128   | -0.20    |

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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 | 40.961 | -2.4   | 120   | -0.20    |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.788 | -2.0   | 125   | -0.21    |
| 47   | 2-Nitroaniline             | 40.000 | 41.625 | -4.1   | 121   | -0.20    |
| 48   | Acenaphthylene             | 40.000 | 39.782 | 0.5    | 121   | -0.22    |
| 49   | Dimethylphthalate          | 40.000 | 38.546 | 3.6    | 119   | -0.20    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.661 | -4.2   | 123   | -0.20    |
| 51 C | Acenaphthene               | 40.000 | 39.645 | 0.9    | 122   | -0.22    |
| 52   | 3-Nitroaniline             | 40.000 | 40.116 | -0.3   | 112   | -0.20    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 32.013 | 20.0   | 92    | -0.20    |
| 54   | Dibenzofuran               | 40.000 | 41.215 | -3.0   | 126   | -0.21    |
| 55 P | 4-Nitrophenol              | 40.000 | 61.834 | -54.6# | 203   | -0.15    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 43.603 | -9.0   | 124   | -0.20    |
| 57   | Fluorene                   | 40.000 | 40.778 | -1.9   | 125   | -0.22    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.171 | -0.4   | 118   | -0.21    |
| 59   | Diethylphthalate           | 40.000 | 40.368 | -0.9   | 124   | -0.19    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.576 | -1.4   | 125   | -0.21    |
| 61   | 4-Nitroaniline             | 40.000 | 41.638 | -4.1   | 117   | -0.20    |
| 62   | Azobenzene                 | 40.000 | 41.459 | -3.6   | 129   | -0.22    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 118   | -0.23    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.207 | 7.0    | 111   | -0.20    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 42.064 | -5.2   | 123   | -0.21    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.907 | -7.3   | 125   | -0.21    |
| 67   | Hexachlorobenzene          | 40.000 | 40.794 | -2.0   | 120   | -0.23    |
| 68   | Atrazine                   | 40.000 | 44.097 | -10.2  | 126   | -0.20    |
| 69 C | Pentachlorophenol          | 40.000 | 34.786 | 13.0   | 101   | -0.22    |
| 70   | Phenanthrene               | 40.000 | 40.297 | -0.7   | 117   | -0.23    |
| 71   | Anthracene                 | 40.000 | 40.398 | -1.0   | 122   | -0.23    |
| 72   | Carbazole                  | 40.000 | 38.902 | 2.7    | 112   | -0.23    |
| 73   | Di-n-butylphthalate        | 40.000 | 39.208 | 2.0    | 114   | -0.21    |
| 74 C | Fluoranthene               | 40.000 | 40.555 | -1.4   | 122   | -0.24    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 118   | -0.27    |
| 76   | Benzidine                  | 40.000 | 33.461 | 16.3   | 95    | -0.23    |
| 77   | Pyrene                     | 40.000 | 40.741 | -1.9   | 123   | -0.26    |
| 78 S | Terphenyl-d14              | 80.000 | 74.118 | 7.4    | 111   | -0.24    |
| 79   | Butylbenzylphthalate       | 40.000 | 39.089 | 2.3    | 116   | -0.23    |
| 80   | Benzo(a)anthracene         | 40.000 | 39.671 | 0.8    | 120   | -0.27    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 38.747 | 3.1    | 111   | -0.26    |
| 82   | Chrysene                   | 40.000 | 39.821 | 0.4    | 119   | -0.27    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 36.671 | 8.3    | 108   | -0.23    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 36.029 | 9.9    | 108   | -0.24    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 42.076 | -5.2   | 132   | -0.46    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 128   | -0.31    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 38.161 | 4.6    | 121   | -0.30    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 39.927 | 0.2  | 122   | -0.30    |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.412 | -1.0 | 126   | -0.31    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.652 | -1.6 | 129   | -0.45    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 41.580 | -3.9 | 131   | -0.52#   |

(#) = Out of Range

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