

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090415\  
 Data File : BF081419.D  
 Acq On : 4 Sep 2015 15:00  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 07 00:59:21 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 01 17:35:35 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   | 130   | -0.02    |
| 2    | 1,4-Dioxane                  | 40.000 | 33.041 | 17.4  | 109   | -0.05    |
| 3    | Pyridine                     | 40.000 | 35.460 | 11.3  | 100   | -0.05    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.963 | -4.9  | 129   | -0.05    |
| 5 S  | 2-Fluorophenol               | 80.000 | 80.128 | -0.2  | 136   | -0.02    |
| 6    | Aniline                      | 40.000 | 37.828 | 5.4   | 123   | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 77.998 | 2.5   | 124   | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 39.918 | 0.2   | 130   | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 38.009 | 5.0   | 123   | -0.02    |
| 10 C | Phenol                       | 40.000 | 35.283 | 11.8  | 104   | -0.02    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.980 | 5.1   | 122   | -0.03    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.863 | 5.3   | 125   | -0.03    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 36.259 | 9.4   | 118   | -0.03    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.149 | 4.6   | 126   | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 40.434 | -1.1  | 123   | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 41.091 | -2.7  | 139   | -0.02    |
| 17   | 2-Methylphenol               | 40.000 | 37.474 | 6.3   | 119   | -0.02    |
| 18   | Hexachloroethane             | 40.000 | 38.688 | 3.3   | 125   | -0.03    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.938 | 0.2   | 135   | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 38.013 | 5.0   | 124   | -0.02    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 135   | -0.02    |
| 22   | Acetophenone                 | 40.000 | 39.420 | 1.4   | 129   | -0.02    |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.466 | -1.8  | 134   | -0.02    |
| 24   | Nitrobenzene                 | 40.000 | 34.894 | 12.8  | 112   | -0.03    |
| 25   | Isophorone                   | 40.000 | 38.933 | 2.7   | 133   | -0.02    |
| 26 C | 2-Nitrophenol                | 40.000 | 40.291 | -0.7  | 142   | -0.02    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.910 | -2.3  | 123   | -0.02    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.353 | 1.6   | 118   | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.084 | 2.3   | 127   | -0.02    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.606 | 6.0   | 120   | -0.03    |
| 31   | Naphthalene                  | 40.000 | 40.139 | -0.3  | 135   | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 28.288 | 29.3# | 87    | -0.02    |
| 33   | 4-Chloroaniline              | 40.000 | 37.090 | 7.3   | 110   | -0.03    |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.590 | -1.5  | 142   | -0.02    |
| 35   | Caprolactam                  | 40.000 | 39.586 | 1.0   | 127   | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 43.298 | -8.2  | 146   | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.402 | 6.5   | 135   | -0.02    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 126   | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.917 | -2.3  | 126   | -0.02    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 32.590 | 18.5  | 101   | -0.02    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 85.310 | -6.6  | 129   | -0.02    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 39.842 | 0.4   | 128   | -0.03    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.345 | -3.4  | 127   | -0.02    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 79.945 | 0.1   | 121   | -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 | 43.462 | -8.7  | 153   | -0.02    |
| 46   | 2-Chloronaphthalene        | 40.000 | 37.364 | 6.6   | 110   | -0.03    |
| 47   | 2-Nitroaniline             | 40.000 | 45.301 | -13.3 | 138   | -0.02    |
| 48   | Acenaphthylene             | 40.000 | 40.518 | -1.3  | 140   | -0.02    |
| 49   | Dimethylphthalate          | 40.000 | 40.946 | -2.4  | 134   | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.605 | -1.5  | 121   | -0.02    |
| 51 C | Acenaphthene               | 40.000 | 41.104 | -2.8  | 145   | -0.02    |
| 52   | 3-Nitroaniline             | 40.000 | 40.609 | -1.5  | 126   | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 31.443 | 21.4  | 93    | -0.03    |
| 54   | Dibenzofuran               | 40.000 | 40.356 | -0.9  | 139   | -0.02    |
| 55 P | 4-Nitrophenol              | 40.000 | 41.344 | -3.4  | 112   | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 37.020 | 7.4   | 116   | -0.03    |
| 57   | Fluorene                   | 40.000 | 38.690 | 3.3   | 115   | -0.03    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.192 | 2.0   | 128   | -0.02    |
| 59   | Diethylphthalate           | 40.000 | 36.976 | 7.6   | 116   | -0.03    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.930 | -4.8  | 138   | -0.02    |
| 61   | 4-Nitroaniline             | 40.000 | 33.921 | 15.2  | 114   | -0.02    |
| 62   | Azobenzene                 | 40.000 | 39.110 | 2.2   | 116   | -0.03    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 125   | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.116 | 2.2   | 106   | -0.02    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.250 | -0.6  | 125   | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.387 | -3.5  | 145   | -0.02    |
| 67   | Hexachlorobenzene          | 40.000 | 41.145 | -2.9  | 137   | -0.02    |
| 68   | Atrazine                   | 40.000 | 40.277 | -0.7  | 130   | -0.02    |
| 69 C | Pentachlorophenol          | 40.000 | 42.890 | -7.2  | 150   | -0.03    |
| 70   | Phenanthrene               | 40.000 | 35.696 | 10.8  | 108   | -0.03    |
| 71   | Anthracene                 | 40.000 | 41.596 | -4.0  | 134   | -0.02    |
| 72   | Carbazole                  | 40.000 | 35.675 | 10.8  | 119   | -0.02    |
| 73   | Di-n-butylphthalate        | 40.000 | 40.245 | -0.6  | 134   | -0.02    |
| 74 C | Fluoranthene               | 40.000 | 36.886 | 7.8   | 123   | -0.02    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 90    | -0.03    |
| 76   | Benzidine                  | 40.000 | 18.936 | 52.7# | 49    | -0.02    |
| 77   | Pyrene                     | 40.000 | 45.215 | -13.0 | 105   | -0.03    |
| 78 S | Terphenyl-d14              | 80.000 | 92.902 | -16.1 | 127   | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 45.492 | -13.7 | 112   | -0.03    |
| 80   | Benzo(a)anthracene         | 40.000 | 39.036 | 2.4   | 91    | -0.03    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 36.326 | 9.2   | 94    | -0.02    |
| 82   | Chrysene                   | 40.000 | 36.572 | 8.6   | 105   | -0.03    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.271 | 1.8   | 102   | -0.03    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 38.461 | 3.8   | 97    | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 46.413 | -16.0 | 115   | -0.05    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 101   | -0.03    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 41.625 | -4.1  | 86    | -0.03    |

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|      | Compound               | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 35.683 | 10.8  | 109   | -0.03    |
| 89 C | Benzo(a)pyrene         | 40.000 | 37.604 | 6.0   | 101   | -0.03    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 45.590 | -14.0 | 116   | -0.05    |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 47.577 | -18.9 | 123   | -0.05    |

(#) = Out of Range

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