

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102315\  
 Data File : BF082494.D  
 Acq On : 24 Oct 2015 5:48  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 24 07:02:16 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 23 15:17:13 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   | 113   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.436 | 8.9   | 110   | 0.00     |
| 3    | Pyridine                     | 40.000 | 41.871 | -4.7  | 120   | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.244 | -0.6  | 110   | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.635 | -2.0  | 111   | 0.00     |
| 6    | Aniline                      | 40.000 | 40.152 | -0.4  | 109   | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 80.909 | -1.1  | 111   | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 37.018 | 7.5   | 107   | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 40.515 | -1.3  | 106   | -0.01    |
| 10 C | Phenol                       | 40.000 | 41.211 | -3.0  | 109   | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.129 | 7.2   | 103   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.564 | 3.6   | 110   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 37.390 | 6.5   | 105   | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.920 | 0.2   | 123   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 42.505 | -6.3  | 116   | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 35.159 | 12.1  | 106   | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 39.011 | 2.5   | 111   | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 36.502 | 8.7   | 106   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.532 | 6.2   | 110   | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 41.029 | -2.6  | 119   | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 113   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.678 | -1.7  | 117   | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 80.297 | -0.4  | 111   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 36.589 | 8.5   | 114   | -0.01    |
| 25   | Isophorone                   | 40.000 | 37.796 | 5.5   | 110   | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 42.289 | -5.7  | 107   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 42.915 | -7.3  | 125   | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.371 | -3.4  | 109   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.233 | 1.9   | 104   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.481 | 1.3   | 112   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.949 | 0.1   | 117   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 32.633 | 18.4  | 94    | -0.03    |
| 33   | 4-Chloroaniline              | 40.000 | 38.945 | 2.6   | 104   | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 36.879 | 7.8   | 106   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.737 | -4.3  | 111   | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.049 | 2.4   | 111   | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.538 | 6.2   | 104   | -0.01    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 108   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.010 | -2.5  | 118   | -0.01    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 17.369 | 56.6# | 32    | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 61.048 | 23.7  | 88    | -0.01    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 38.076 | 4.8   | 111   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 36.555 | 8.6   | 101   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 82.927 | -3.7  | 107   | 0.00     |

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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 | 35.408 | 11.5  | 105   | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 36.825 | 7.9   | 103   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 43.830 | -9.6  | 123   | -0.01    |
| 48   | Acenaphthylene             | 40.000 | 39.803 | 0.5   | 110   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 38.762 | 3.1   | 119   | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 36.328 | 9.2   | 95    | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 38.858 | 2.9   | 105   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 36.860 | 7.9   | 99    | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 20.855 | 47.9# | 46    | -0.01    |
| 54   | Dibenzofuran               | 40.000 | 39.747 | 0.6   | 108   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 30.028 | 24.9  | 70    | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 39.481 | 1.3   | 105   | -0.01    |
| 57   | Fluorene                   | 40.000 | 40.248 | -0.6  | 112   | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 34.754 | 13.1  | 103   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 37.675 | 5.8   | 107   | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.067 | 2.3   | 113   | -0.01    |
| 61   | 4-Nitroaniline             | 40.000 | 39.911 | 0.2   | 104   | -0.02    |
| 62   | Azobenzene                 | 40.000 | 38.647 | 3.4   | 112   | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 107   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 28.971 | 27.6# | 71    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.560 | -1.4  | 111   | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.021 | 2.4   | 108   | -0.01    |
| 67   | Hexachlorobenzene          | 40.000 | 35.973 | 10.1  | 97    | -0.01    |
| 68   | Atrazine                   | 40.000 | 40.078 | -0.2  | 119   | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 32.200 | 19.5  | 78    | -0.01    |
| 70   | Phenanthrene               | 40.000 | 40.684 | -1.7  | 116   | -0.01    |
| 71   | Anthracene                 | 40.000 | 40.300 | -0.7  | 105   | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.595 | 1.0   | 110   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 38.389 | 4.0   | 105   | -0.01    |
| 74 C | Fluoranthene               | 40.000 | 38.294 | 4.3   | 101   | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 81    | -0.09    |
| 76   | Benzidine                  | 40.000 | 44.296 | -10.7 | 88    | -0.02    |
| 77   | Pyrene                     | 40.000 | 48.027 | -20.1 | 102   | -0.01    |
| 78 S | Terphenyl-d14              | 80.000 | 92.333 | -15.4 | 96    | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 49.689 | -24.2 | 107   | -0.05    |
| 80   | Benzo(a)anthracene         | 40.000 | 39.261 | 1.8   | 83    | -0.09    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.047 | -2.6  | 86    | -0.09    |
| 82   | Chrysene                   | 40.000 | 40.911 | -2.3  | 95    | -0.09    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 47.061 | -17.7 | 97    | -0.09    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 44.449 | -11.1 | 97    | -0.16    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 47.416 | -18.5 | 108   | -0.23    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 92    | -0.21    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 31.757 | 20.6  | 66    | -0.19    |

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|      | Compound               | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 42.610 | -6.5  | 117   | -0.19    |
| 89 C | Benzo(a)pyrene         | 40.000 | 37.944 | 5.1   | 91    | -0.21    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 44.647 | -11.6 | 108   | -0.24    |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 45.487 | -13.7 | 114   | -0.25    |

(#) = Out of Range

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