

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101015\  
 Data File : BF082215.D  
 Acq On : 11 Oct 2015 10:38  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 12 04:56:39 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 12 02:59:50 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   | 120   | 0.01     |
| 2    | 1,4-Dioxane                  | 40.000 | 38.277 | 4.3   | 123   | -0.01    |
| 3    | Pyridine                     | 40.000 | 44.760 | -11.9 | 137   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 42.338 | -5.8  | 123   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 79.575 | 0.5   | 115   | 0.00     |
| 6    | Aniline                      | 40.000 | 39.909 | 0.2   | 116   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 77.319 | 3.4   | 113   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.352 | 1.6   | 121   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 42.035 | -5.1  | 117   | 0.00     |
| 10 C | Phenol                       | 40.000 | 35.676 | 10.8  | 100   | 0.01     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.144 | 9.6   | 107   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.298 | 6.8   | 113   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 36.568 | 8.6   | 109   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.012 | 5.0   | 125   | 0.01     |
| 15   | Benzyl Alcohol               | 40.000 | 40.522 | -1.3  | 118   | 0.01     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 36.171 | 9.6   | 116   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.777 | 3.1   | 118   | 0.01     |
| 18   | Hexachloroethane             | 40.000 | 32.718 | 18.2  | 101   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 12.859 | 67.9# | 40    | 0.15     |
| 20   | 3+4-Methylphenols            | 40.000 | 37.376 | 6.6   | 116   | 0.01     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 112   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.224 | 4.4   | 109   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 77.644 | 2.9   | 106   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.261 | -3.2  | 127   | 0.01     |
| 25   | Isophorone                   | 40.000 | 38.048 | 4.9   | 110   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 37.948 | 5.1   | 95    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 42.367 | -5.9  | 123   | 0.01     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.701 | -4.3  | 109   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 37.913 | 5.2   | 99    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.261 | 6.8   | 105   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 36.558 | 8.6   | 106   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 25.850 | 35.4# | 74    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 37.925 | 5.2   | 101   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.556 | 3.6   | 110   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 35.601 | 11.0  | 94    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.189 | 2.0   | 110   | 0.01     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.884 | 2.8   | 107   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 95    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.538 | -1.3  | 102   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 16.733 | 58.2# | 26    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 66.579 | 16.8  | 84    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 40.127 | -0.3  | 102   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.128 | -0.3  | 97    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 86.129 | -7.7  | 97    | 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 | 41.894 | -4.7  | 109   | 0.01     |
| 46   | 2-Chloronaphthalene        | 40.000 | 41.228 | -3.1  | 101   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 45.831 | -14.6 | 113   | 0.01     |
| 48   | Acenaphthylene             | 40.000 | 38.559 | 3.6   | 94    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.644 | 0.9   | 106   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 38.951 | 2.6   | 89    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 36.677 | 8.3   | 87    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 42.751 | -6.9  | 100   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 10.189 | 74.5# | 11    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.465 | 3.8   | 92    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 37.189 | 7.0   | 79    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 36.152 | 9.6   | 84    | 0.00     |
| 57   | Fluorene                   | 40.000 | 37.029 | 7.4   | 90    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 36.143 | 9.6   | 93    | 0.01     |
| 59   | Diethylphthalate           | 40.000 | 39.808 | 0.5   | 99    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 38.715 | 3.2   | 98    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 42.573 | -6.4  | 97    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 36.418 | 9.0   | 93    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 84    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 8.181  | 79.5# | 16    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 43.864 | -9.7  | 94    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.389 | -3.5  | 90    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 41.996 | -5.0  | 90    | 0.00     |
| 68   | Atrazine                   | 40.000 | 35.294 | 11.8  | 82    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 39.818 | 0.5   | 76    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 38.103 | 4.7   | 86    | 0.00     |
| 71   | Anthracene                 | 40.000 | 41.578 | -3.9  | 85    | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.218 | 4.5   | 83    | 0.01     |
| 73   | Di-n-butylphthalate        | 40.000 | 40.960 | -2.4  | 88    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 36.431 | 8.9   | 76    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 81    | 0.00     |
| 76   | Benzidine                  | 40.000 | 38.101 | 4.7   | 75    | 0.00     |
| 77   | Pyrene                     | 40.000 | 36.964 | 7.6   | 78    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 76.930 | 3.8   | 79    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 37.808 | 5.5   | 81    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.001 | -0.0  | 84    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.664 | -1.7  | 84    | 0.00     |
| 82   | Chrysene                   | 40.000 | 37.834 | 5.4   | 87    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.770 | 0.6   | 81    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 38.712 | 3.2   | 83    | 0.01     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.055 | -2.6  | 93    | 0.01     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 92    | 0.01     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 37.959 | 5.1   | 79    | 0.01     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 36.847 | 7.9  | 101   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.308 | 4.2  | 92    | 0.01     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 38.227 | 4.4  | 93    | 0.01     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 36.753 | 8.1  | 92    | 0.01     |

(#) = Out of Range

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