

Data Path : Z:\HPCHEM1\BNA F\Data\BF101215\  
 Data File : BF082234.D  
 Acq On : 12 Oct 2015 22:16  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 13 02:54:36 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 13 02:05:16 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  | 75    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 38.150 | 4.6  | 76    | -0.06    |
| 3    | Pyridine                     | 40.000 | 39.188 | 2.0  | 75    | -0.05    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.409 | -1.0 | 73    | -0.06    |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.741 | 1.6  | 71    | -0.01    |
| 6    | Aniline                      | 40.000 | 39.766 | 0.6  | 72    | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 77.439 | 3.2  | 70    | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 39.362 | 1.6  | 76    | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 40.302 | -0.8 | 70    | -0.01    |
| 10 C | Phenol                       | 40.000 | 35.439 | 11.4 | 62    | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.634 | 8.4  | 68    | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.155 | 7.1  | 70    | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 36.620 | 8.5  | 68    | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.510 | 3.7  | 79    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 42.148 | -5.4 | 76    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 37.102 | 7.2  | 74    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.196 | -0.5 | 76    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 35.756 | 10.6 | 69    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.864 | 5.3  | 74    | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 40.208 | -0.5 | 78    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 75    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.583 | 3.5  | 74    | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 78.989 | 1.3  | 72    | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 38.288 | 4.3  | 79    | 0.00     |
| 25   | Isophorone                   | 40.000 | 36.986 | 7.5  | 71    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 39.952 | 0.1  | 67    | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 42.015 | -5.0 | 81    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.556 | 1.1  | 69    | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 38.588 | 3.5  | 68    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 36.847 | 7.9  | 69    | -0.01    |
| 31   | Naphthalene                  | 40.000 | 37.744 | 5.6  | 73    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 37.973 | 5.1  | 73    | -0.01    |
| 33   | 4-Chloroaniline              | 40.000 | 39.340 | 1.6  | 70    | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 35.382 | 11.5 | 67    | -0.01    |
| 35   | Caprolactam                  | 40.000 | 43.578 | -8.9 | 77    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 43.137 | -7.8 | 81    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.383 | 1.5  | 73    | -0.01    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 71    | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.582 | 3.5  | 73    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 33.273 | 16.8 | 58    | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 83.128 | -3.9 | 79    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 40.531 | -1.3 | 78    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 39.354 | 1.6  | 72    | -0.01    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 79.539 | 0.6  | 68    | -0.01    |

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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 | 41.012 | -2.5  | 80    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.983 | 0.0   | 74    | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 44.624 | -11.6 | 83    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 38.971 | 2.6   | 71    | -0.01    |
| 49   | Dimethylphthalate          | 40.000 | 39.086 | 2.3   | 79    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.078 | -0.2  | 69    | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 39.501 | 1.2   | 71    | -0.01    |
| 52   | 3-Nitroaniline             | 40.000 | 40.248 | -0.6  | 71    | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 36.336 | 9.2   | 63    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.689 | 3.3   | 70    | -0.01    |
| 55 P | 4-Nitrophenol              | 40.000 | 42.120 | -5.3  | 69    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 43.178 | -7.9  | 76    | 0.00     |
| 57   | Fluorene                   | 40.000 | 38.141 | 4.6   | 70    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.120 | -7.8  | 84    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 40.730 | -1.8  | 76    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 42.135 | -5.3  | 80    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 44.512 | -11.3 | 77    | -0.01    |
| 62   | Azobenzene                 | 40.000 | 40.969 | -2.4  | 79    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 79    | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.281 | 6.8   | 67    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 36.992 | 7.5   | 75    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 38.726 | 3.2   | 79    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 37.835 | 5.4   | 76    | -0.01    |
| 68   | Atrazine                   | 40.000 | 42.978 | -7.4  | 94    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 38.850 | 2.9   | 70    | -0.01    |
| 70   | Phenanthrene               | 40.000 | 39.106 | 2.2   | 83    | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.931 | 0.2   | 77    | -0.01    |
| 72   | Carbazole                  | 40.000 | 40.001 | -0.0  | 82    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 38.274 | 4.3   | 77    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 40.046 | -0.1  | 78    | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 80    | 0.00     |
| 76   | Benzidine                  | 40.000 | 37.893 | 5.3   | 74    | 0.00     |
| 77   | Pyrene                     | 40.000 | 39.498 | 1.3   | 83    | -0.01    |
| 78 S | Terphenyl-d14              | 80.000 | 72.400 | 9.5   | 74    | -0.01    |
| 79   | Butylbenzylphthalate       | 40.000 | 40.052 | -0.1  | 85    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 38.678 | 3.3   | 81    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 38.575 | 3.6   | 80    | 0.00     |
| 82   | Chrysene                   | 40.000 | 40.168 | -0.4  | 92    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 34.983 | 12.5  | 71    | -0.01    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 34.771 | 13.1  | 74    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.672 | -1.7  | 92    | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 82    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 36.196 | 9.5   | 67    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.782 | -2.0 | 99    | -0.01    |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.675 | 3.3  | 82    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 42.010 | -5.0 | 90    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 43.080 | -7.7 | 96    | 0.00     |

(#) = Out of Range

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