

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\  
 Data File : BF091081.D  
 Acq On : 8 Nov 2016 13:48  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 09 01:14:03 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 08 12:59:29 2016  
 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   | 106   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 38.708 | 3.2   | 103   | -0.01    |
| 3    | Pyridine                     | 40.000 | 46.229 | -15.6 | 116   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.961 | -2.4  | 102   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 86.104 | -7.6  | 107   | 0.00     |
| 6    | Aniline                      | 40.000 | 41.721 | -4.3  | 99    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 79.230 | 1.0   | 98    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.962 | -2.4  | 104   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 40.475 | -1.2  | 103   | 0.00     |
| 10 C | Phenol                       | 40.000 | 37.322 | 6.7   | 98    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.413 | 1.5   | 102   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.319 | -3.3  | 104   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 42.528 | -6.3  | 112   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.661 | 3.3   | 95    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.068 | -0.2  | 101   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.276 | 4.3   | 102   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 42.242 | -5.6  | 103   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 41.947 | -4.9  | 106   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.707 | 0.7   | 107   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 45.292 | -13.2 | 108   | 0.01     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 101   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 41.185 | -3.0  | 103   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 87.658 | -9.6  | 114   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.300 | 1.8   | 92    | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.247 | -0.6  | 104   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 46.787 | -17.0 | 117   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.022 | -2.6  | 96    | 0.01     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.753 | 0.6   | 91    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.503 | -6.3  | 104   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 42.317 | -5.8  | 103   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 41.055 | -2.6  | 100   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 40.355 | -0.9  | 102   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.498 | -1.2  | 101   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 45.241 | -13.1 | 116   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 44.815 | -12.0 | 113   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.195 | 2.0   | 94    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.343 | -0.9  | 104   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 103   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.407 | -6.0  | 97    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 37.427 | 6.4   | 97    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 78.874 | 1.4   | 105   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.916 | -4.8  | 98    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 42.724 | -6.8  | 103   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 86.883 | -8.6  | 112   | 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 | 39.962 | 0.1   | 98    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.016 | -0.0  | 96    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 40.982 | -2.5  | 93    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 40.186 | -0.5  | 101   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 37.669 | 5.8   | 96    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 44.495 | -11.2 | 119   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 37.994 | 5.0   | 101   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 39.836 | 0.4   | 98    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 42.232 | -5.6  | 117   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 40.055 | -0.1  | 104   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 38.603 | 3.5   | 98    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 44.725 | -11.8 | 101   | 0.00     |
| 57   | Fluorene                   | 40.000 | 39.900 | 0.3   | 100   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 44.669 | -11.7 | 100   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.180 | 2.1   | 96    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 43.480 | -8.7  | 101   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 43.075 | -7.7  | 102   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 41.228 | -3.1  | 106   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 101   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 46.088 | -15.2 | 116   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.800 | 0.5   | 105   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.121 | -0.3  | 109   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 43.769 | -9.4  | 105   | 0.00     |
| 68   | Atrazine                   | 40.000 | 44.056 | -10.1 | 99    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 39.361 | 1.6   | 96    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 44.636 | -11.6 | 105   | 0.00     |
| 71   | Anthracene                 | 40.000 | 37.840 | 5.4   | 101   | 0.00     |
| 72   | Carbazole                  | 40.000 | 37.770 | 5.6   | 101   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 41.477 | -3.7  | 98    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 38.876 | 2.8   | 104   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 107   | 0.00     |
| 76   | Benzidine                  | 40.000 | 36.259 | 9.4   | 89    | 0.00     |
| 77   | Pyrene                     | 40.000 | 38.762 | 3.1   | 113   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 71.251 | 10.9  | 91    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 39.331 | 1.7   | 105   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.766 | 0.6   | 107   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 36.917 | 7.7   | 99    | 0.00     |
| 82   | Chrysene                   | 40.000 | 33.183 | 17.0  | 85    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 35.095 | 12.3  | 91    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 36.899 | 7.8   | 93    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.064 | 9.8   | 100   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 99    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.629 | 0.9   | 88    | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 41.410 | -3.5 | 102   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.112 | -0.3 | 91    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 42.026 | -5.1 | 98    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 43.333 | -8.3 | 101   | 0.01     |

(#) = Out of Range

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