

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050217\  
 Data File : BF094798.D  
 Acq On : 2 May 2017 17:37  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 03 17:37:41 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:24:51 2017  
 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  | 94    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 40.156 | -0.4 | 100   | 0.00     |
| 3    | Pyridine                     | 40.000 | 43.543 | -8.9 | 106   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 42.219 | -5.5 | 103   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 87.204 | -9.0 | 104   | 0.00     |
| 6    | Aniline                      | 40.000 | 43.643 | -9.1 | 98    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 85.133 | -6.4 | 101   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 43.156 | -7.9 | 103   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 42.892 | -7.2 | 100   | 0.00     |
| 10 C | Phenol                       | 40.000 | 43.128 | -7.8 | 102   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 42.351 | -5.9 | 100   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.747 | 0.6  | 101   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.246 | -0.6 | 95    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.269 | -0.7 | 96    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.265 | -0.7 | 91    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 41.353 | -3.4 | 101   | 0.01     |
| 17   | 2-Methylphenol               | 40.000 | 42.252 | -5.6 | 104   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 43.253 | -8.1 | 101   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 42.224 | -5.6 | 102   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 43.218 | -8.0 | 103   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 99    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.140 | -0.4 | 101   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 80.840 | -1.1 | 100   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.956 | 0.1  | 102   | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.849 | -2.1 | 102   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 39.560 | 1.1  | 97    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.186 | -0.5 | 104   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.357 | -0.9 | 101   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.400 | -1.0 | 105   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.910 | 0.2  | 102   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.938 | 0.2  | 102   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 37.854 | 5.4  | 102   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 41.121 | -2.8 | 103   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.923 | -2.3 | 105   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.314 | 1.7  | 95    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.159 | -0.4 | 101   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.572 | 1.1  | 101   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 104   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 36.958 | 7.6  | 91    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 35.922 | 10.2 | 90    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 82.766 | -3.5 | 100   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 37.699 | 5.8  | 93    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 38.691 | 3.3  | 95    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 73.471 | 8.2  | 93    | 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 | 39.082 | 2.3   | 96    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.483 | 3.8   | 97    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 40.253 | -0.6  | 102   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 39.603 | 1.0   | 100   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.475 | 1.3   | 99    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.289 | -0.7  | 100   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 39.222 | 1.9   | 100   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 40.470 | -1.2  | 100   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 40.115 | -0.3  | 105   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 40.484 | -1.2  | 104   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 42.250 | -5.6  | 100   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 40.204 | -0.5  | 99    | 0.00     |
| 57   | Fluorene                   | 40.000 | 36.721 | 8.2   | 96    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.498 | -3.7  | 106   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.245 | 1.9   | 102   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.138 | 2.2   | 98    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 40.808 | -2.0  | 104   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 39.622 | 0.9   | 98    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 100   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.492 | -1.2  | 100   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 38.179 | 4.6   | 97    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.226 | 1.9   | 96    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 38.716 | 3.2   | 97    | 0.00     |
| 68   | Atrazine                   | 40.000 | 40.352 | -0.9  | 106   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 39.538 | 1.2   | 112   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 39.068 | 2.3   | 100   | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.900 | 0.3   | 102   | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.089 | 4.8   | 98    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 40.497 | -1.2  | 101   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 39.669 | 0.8   | 100   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 101   | 0.00     |
| 76   | Benzidine                  | 40.000 | 46.295 | -15.7 | 118   | 0.00     |
| 77   | Pyrene                     | 40.000 | 40.557 | -1.4  | 101   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 73.598 | 8.0   | 93    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 40.466 | -1.2  | 100   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.603 | 1.0   | 100   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.065 | -0.2  | 97    | 0.00     |
| 82   | Chrysene                   | 40.000 | 40.337 | -0.8  | 101   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.061 | -0.2  | 98    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 40.516 | -1.3  | 99    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.982 | 5.0   | 98    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 105   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 38.167 | 4.6   | 93    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 41.717 | -4.3 | 107   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.282 | 1.8  | 99    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 37.832 | 5.4  | 98    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 37.007 | 7.5  | 98    | 0.00     |

(#) = Out of Range

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