

Data Path : Z:\HPCHEM1\BNA F\Data\BF050617\  
 Data File : BF094963.D  
 Acq On : 8 May 2017 1:59  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 08 08:24:29 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 140   | -0.01    |
| 2    | 1,4-Dioxane                 | 0.588 | 0.651 | -10.7 | 164#  | -0.04    |
| 3    | Pyridine                    | 1.364 | 1.275 | 6.5   | 135   | -0.04    |
| 4    | n-Nitrosodimethylamine      | 0.568 | 0.548 | 3.5   | 141   | -0.03    |
| 5 S  | 2-Fluorophenol              | 1.200 | 1.220 | -1.7  | 144   | -0.02    |
| 6    | Aniline                     | 1.817 | 1.869 | -2.9  | 138   | 0.00     |
| 7 S  | Phenol-d6                   | 1.439 | 1.414 | 1.7   | 138   | -0.01    |
| 8    | 2-Chlorophenol              | 1.365 | 1.373 | -0.6  | 143   | 0.00     |
| 9    | Benzaldehyde                | 0.879 | 0.808 | 8.1   | 127   | 0.00     |
| 10 C | Phenol                      | 1.517 | 1.496 | 1.4   | 139   | -0.01    |
| 11   | bis(2-Chloroethyl)ether     | 1.252 | 1.196 | 4.5   | 134   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.549 | 1.522 | 1.7   | 148   | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.571 | 1.545 | 1.7   | 138   | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 1.466 | 1.460 | 0.4   | 141   | -0.01    |
| 15   | Benzyl Alcohol              | 0.926 | 1.119 | -20.8 | 163#  | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.772 | 1.652 | 6.8   | 135   | 0.00     |
| 17   | 2-Methylphenol              | 1.117 | 1.121 | -0.4  | 147   | -0.01    |
| 18   | Hexachloroethane            | 0.532 | 0.512 | 3.8   | 134   | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine  | 0.973 | 0.934 | 4.0   | 138   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.518 | 1.473 | 3.0   | 137   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 141   | -0.01    |
| 22   | Acetophenone                | 0.480 | 0.469 | 2.3   | 140   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.317 | 0.316 | 0.3   | 141   | 0.00     |
| 24   | Nitrobenzene                | 0.332 | 0.335 | -0.9  | 147   | 0.00     |
| 25   | Isophorone                  | 0.566 | 0.621 | -9.7  | 156#  | 0.00     |
| 26 C | 2-Nitrophenol               | 0.179 | 0.191 | -6.7  | 148   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.290 | 0.293 | -1.0  | 149   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.392 | 0.379 | 3.3   | 139   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.274 | 0.284 | -3.6  | 153#  | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 0.293 | 0.283 | 3.4   | 140   | 0.00     |
| 31   | Naphthalene                 | 1.005 | 0.925 | 8.0   | 134   | -0.01    |
| 32   | Benzoic acid                | 0.177 | 0.193 | -9.0  | 161#  | 0.04     |
| 33   | 4-Chloroaniline             | 0.375 | 0.384 | -2.4  | 146   | -0.01    |
| 34 C | Hexachlorobutadiene         | 0.155 | 0.142 | 8.4   | 133   | -0.02    |
| 35   | Caprolactam                 | 0.082 | 0.087 | -6.1  | 145   | 0.04     |
| 36 C | 4-Chloro-3-methylphenol     | 0.293 | 0.295 | -0.7  | 144   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.660 | 0.657 | 0.5   | 145   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 136   | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.615 | 0.639 | -3.9  | 134   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.221 | 0.236 | -6.8  | 132   | -0.01    |
| 41 S | 2,4,6-Tribromophenol        | 0.164 | 0.185 | -12.8 | 143   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.411 | 0.460 | -11.9 | 145   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.441 | 0.454 | -2.9  | 132   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.390 | 1.400 | -0.7  | 134   | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.684 | 1.748 | -3.8   | 134   | -0.01    |
| 46   | 2-Chloronaphthalene        | 1.360 | 1.384 | -1.8   | 135   | 0.00     |
| 47   | 2-Nitroaniline             | 0.372 | 0.401 | -7.8   | 143   | 0.00     |
| 48   | Acenaphthylene             | 2.130 | 2.120 | 0.5    | 132   | 0.00     |
| 49   | Dimethylphthalate          | 1.642 | 1.571 | 4.3    | 126   | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 0.335 | 0.349 | -4.2   | 135   | 0.00     |
| 51 C | Acenaphthene               | 1.272 | 1.263 | 0.7    | 132   | -0.01    |
| 52   | 3-Nitroaniline             | 0.360 | 0.374 | -3.9   | 134   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.156 | 0.172 | -10.3  | 140   | 0.00     |
| 54   | Dibenzofuran               | 1.760 | 1.954 | -11.0  | 149   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.216 | 0.251 | -16.2  | 144   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.430 | 0.480 | -11.6  | 143   | 0.00     |
| 57   | Fluorene                   | 1.531 | 1.614 | -5.4   | 144   | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.278 | 0.344 | -23.7  | 165#  | 0.00     |
| 59   | Diethylphthalate           | 1.574 | 1.581 | -0.4   | 137   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.673 | 0.702 | -4.3   | 137   | -0.01    |
| 61   | 4-Nitroaniline             | 0.330 | 0.374 | -13.3  | 151#  | 0.01     |
| 62   | Azobenzene                 | 1.265 | 1.508 | -19.2  | 154#  | -0.01    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 143   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.134 | 0.138 | -3.0   | 144   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.726 | 0.690 | 5.0    | 137   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.211 | 0.208 | 1.4    | 138   | -0.01    |
| 67   | Hexachlorobenzene          | 0.217 | 0.208 | 4.1    | 137   | 0.00     |
| 68   | Atrazine                   | 0.205 | 0.189 | 7.8    | 138   | 0.00     |
| 69 C | Pentachlorophenol          | 0.085 | 0.092 | -8.2   | 164#  | 0.00     |
| 70   | Phenanthrene               | 1.149 | 1.112 | 3.2    | 142   | 0.00     |
| 71   | Anthracene                 | 1.174 | 1.157 | 1.4    | 143   | 0.00     |
| 72   | Carbazole                  | 1.068 | 1.079 | -1.0   | 148   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.332 | 1.293 | 2.9    | 137   | -0.01    |
| 74 C | Fluoranthene               | 1.179 | 1.141 | 3.2    | 138   | -0.01    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 124   | -0.01    |
| 76   | Benzidine                  | 0.465 | 0.862 | -85.4# | 203#  | 0.00     |
| 77   | Pyrene                     | 1.496 | 1.663 | -11.2  | 137   | 0.00     |
| 78 S | Terphenyl-d14              | 0.908 | 0.901 | 0.8    | 124   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.696 | 0.816 | -17.2  | 143   | -0.01    |
| 80   | Benzo(a)anthracene         | 1.164 | 1.171 | -0.6   | 125   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.402 | 0.386 | 4.0    | 115   | -0.01    |
| 82   | Chrysene                   | 1.125 | 1.102 | 2.0    | 121   | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.991 | 1.035 | -4.4   | 126   | -0.02    |
| 84 c | Di-n-octyl phthalate       | 1.625 | 1.671 | -2.8   | 124   | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.914 | 1.146 | -25.4# | 159#  | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 136   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.236 | 1.111 | 10.1   | 113   | -0.01    |

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|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.192 | 1.167 | 2.1   | 129   | -0.01    |
| 89 C | Benzo(a)pyrene         | 1.140 | 1.131 | 0.8   | 128   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 0.942 | 1.053 | -11.8 | 149   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 0.924 | 1.134 | -22.7 | 168#  | 0.00     |

(#) = Out of Range

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