

Data Path : Z:\HPCHEM1\BNA F\Data\BF112117\  
 Data File : BF100798.D  
 Acq On : 22 Nov 2017 00:08  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 22 07:24:45 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 15:22:08 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    | 58    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.608 | 0.554 | 8.9    | 52    | -0.03    |
| 3    | Pyridine                    | 1.659 | 1.530 | 7.8    | 52    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.805 | 0.727 | 9.7    | 51    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.248 | 1.226 | 1.8    | 57    | 0.00     |
| 6    | Aniline                     | 2.174 | 2.045 | 5.9    | 54    | 0.00     |
| 7 S  | Phenol-d6                   | 1.539 | 1.533 | 0.4    | 58    | 0.00     |
| 8    | 2-Chlorophenol              | 1.320 | 1.357 | -2.8   | 60    | 0.00     |
| 9    | Benzaldehyde                | 1.099 | 0.984 | 10.5   | 52    | 0.00     |
| 10 C | Phenol                      | 1.615 | 1.691 | -4.7   | 61    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.357 | 1.302 | 4.1    | 56    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.522 | 1.581 | -3.9   | 60    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.540 | 1.602 | -4.0   | 61    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.424 | 1.478 | -3.8   | 60    | 0.00     |
| 15   | Benzyl Alcohol              | 1.201 | 1.177 | 2.0    | 55    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.170 | 1.907 | 12.1   | 51    | 0.00     |
| 17   | 2-Methylphenol              | 1.128 | 1.156 | -2.5   | 59    | 0.00     |
| 18   | Hexachloroethane            | 0.508 | 0.462 | 9.1    | 51    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.067 | 1.006 | 5.7    | 55    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.427 | 1.378 | 3.4    | 55    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 56    | -0.01    |
| 22   | Acetophenone                | 0.488 | 0.477 | 2.3    | 56    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.303 | 0.347 | -14.5  | 62    | 0.00     |
| 24   | Nitrobenzene                | 0.311 | 0.343 | -10.3  | 57    | 0.00     |
| 25   | Isophorone                  | 0.636 | 0.605 | 4.9    | 53    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.132 | 0.175 | -32.6# | 69    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.285 | 0.288 | -1.1   | 56    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.416 | 0.404 | 2.9    | 55    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.272 | 0.291 | -7.0   | 58    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.294 | 0.317 | -7.8   | 61    | 0.00     |
| 31   | Naphthalene                 | 0.963 | 0.982 | -2.0   | 58    | 0.00     |
| 32   | Benzoic acid                | 0.186 | 0.177 | 4.8    | 51    | 0.00     |
| 33   | 4-Chloroaniline             | 0.401 | 0.415 | -3.5   | 57    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.175 | 0.185 | -5.7   | 59    | -0.01    |
| 35   | Caprolactam                 | 0.093 | 0.092 | 1.1    | 55    | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.292 | 0.291 | 0.3    | 54    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.640 | 0.643 | -0.5   | 57    | -0.01    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 52    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.663 | 0.751 | -13.3  | 60    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.312 | 0.100 | 67.9#  | 16#   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.204 | 0.201 | 1.5    | 50#   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.420 | 0.465 | -10.7  | 56    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.436 | 0.485 | -11.2  | 57    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.313 | 1.441 | -9.7   | 60    | 0.00     |

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|      | Compound                   | AvqRF | CCRF   | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.730 | 1.857  | -7.3  | 58    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.255 | 1.350  | -7.6  | 57    | 0.00     |
| 47   | 2-Nitroaniline             | 0.350 | 0.427  | -22.0 | 60    | 0.00     |
| 48   | Acenaphthylene             | 2.080 | 2.143  | -3.0  | 55    | 0.00     |
| 49   | Dimethylphthalate          | 1.527 | 1.670  | -9.4  | 59    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.302 | 0.348  | -15.2 | 58    | 0.00     |
| 51 C | Acenaphthene               | 1.265 | 1.256  | 0.7   | 53    | 0.00     |
| 52   | 3-Nitroaniline             | 0.357 | 0.399  | -11.8 | 57    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.091 | 0.036# | 60.4# | 21#   | 0.00     |
| 54   | Dibenzofuran               | 1.773 | 1.754  | 1.1   | 53    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.290 | 0.239  | 17.6  | 42#   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.381 | 0.428  | -12.3 | 55    | 0.00     |
| 57   | Fluorene                   | 1.299 | 1.371  | -5.5  | 55    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.357 | 0.333  | 6.7   | 47#   | 0.00     |
| 59   | Diethylphthalate           | 1.528 | 1.582  | -3.5  | 55    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.637 | 0.694  | -8.9  | 57    | 0.00     |
| 61   | 4-Nitroaniline             | 0.338 | 0.372  | -10.1 | 55    | 0.00     |
| 62   | Azobenzene                 | 1.439 | 1.289  | 10.4  | 48#   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000  | 0.0   | 45#   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.087 | 0.052  | 40.2# | 26#   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.695 | 0.802  | -15.4 | 53    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.214 | 0.252  | -17.8 | 53    | 0.00     |
| 67   | Hexachlorobenzene          | 0.224 | 0.251  | -12.1 | 51    | 0.00     |
| 68   | Atrazine                   | 0.211 | 0.236  | -11.8 | 50    | 0.00     |
| 69 C | Pentachlorophenol          | 0.161 | 0.160  | 0.6   | 44#   | 0.00     |
| 70   | Phenanthrene               | 1.053 | 1.068  | -1.4  | 48#   | 0.00     |
| 71   | Anthracene                 | 1.068 | 1.073  | -0.5  | 47#   | 0.00     |
| 72   | Carbazole                  | 0.986 | 0.921  | 6.6   | 44#   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.154 | 1.294  | -12.1 | 52    | 0.00     |
| 74 C | Fluoranthene               | 1.116 | 0.946  | 15.2  | 40#   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000  | 0.0   | 38#   | 0.00     |
| 76   | Benzidine                  | 0.801 | 0.753  | 6.0   | 33#   | 0.00     |
| 77   | Pyrene                     | 1.426 | 1.464  | -2.7  | 39#   | 0.00     |
| 78 S | Terphenyl-d14              | 0.870 | 0.913  | -4.9  | 42#   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.581 | 0.616  | -6.0  | 39#   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.204 | 1.269  | -5.4  | 40#   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.432 | 0.476  | -10.2 | 40#   | 0.00     |
| 82   | Chrysene                   | 1.166 | 1.194  | -2.4  | 39#   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.765 | 0.771  | -0.8  | 36#   | -0.01    |
| 84 c | Di-n-octyl phthalate       | 1.314 | 1.299  | 1.1   | 35#   | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.943 | 1.151  | -22.1 | 47#   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000  | 0.0   | 43#   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.185 | 1.251  | -5.6  | 46#   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.120 | 1.129 | -0.8 | 41#   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.050 | 1.103 | -5.0 | 44#   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 0.859 | 0.943 | -9.8 | 48#   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 0.841 | 0.883 | -5.0 | 47#   | 0.00     |

(#) = Out of Range

SPCC's out = 1 CCC's out = 1