

Data Path : Z:\HPCHEM1\BNA F\Data\BF111717\  
 Data File : BF100706.D  
 Acq On : 18 Nov 2017 6:51  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 20 00:10:04 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    | 41#   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.608 | 0.586 | 3.6    | 39#   | -0.02    |
| 3    | Pyridine                    | 1.659 | 1.618 | 2.5    | 39#   | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.805 | 0.711 | 11.7   | 35#   | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.248 | 1.273 | -2.0   | 42#   | 0.00     |
| 6    | Aniline                     | 2.174 | 2.052 | 5.6    | 38#   | 0.00     |
| 7 S  | Phenol-d6                   | 1.539 | 1.533 | 0.4    | 41#   | 0.00     |
| 8    | 2-Chlorophenol              | 1.320 | 1.373 | -4.0   | 43#   | 0.00     |
| 9    | Benzaldehyde                | 1.099 | 1.008 | 8.3    | 38#   | 0.00     |
| 10 C | Phenol                      | 1.615 | 1.564 | 3.2    | 40#   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.357 | 1.316 | 3.0    | 40#   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.522 | 1.614 | -6.0   | 43#   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.540 | 1.637 | -6.3   | 44#   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.424 | 1.522 | -6.9   | 44#   | 0.00     |
| 15   | Benzyl Alcohol              | 1.201 | 1.142 | 4.9    | 38#   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.170 | 1.713 | 21.1   | 32#   | 0.00     |
| 17   | 2-Methylphenol              | 1.128 | 1.110 | 1.6    | 40#   | 0.00     |
| 18   | Hexachloroethane            | 0.508 | 0.465 | 8.5    | 37#   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.067 | 0.987 | 7.5    | 38#   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.427 | 1.393 | 2.4    | 40#   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 38#   | 0.00     |
| 22   | Acetophenone                | 0.488 | 0.504 | -3.3   | 40#   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.303 | 0.350 | -15.5  | 42#   | 0.00     |
| 24   | Nitrobenzene                | 0.311 | 0.350 | -12.5  | 39#   | 0.00     |
| 25   | Isophorone                  | 0.636 | 0.599 | 5.8    | 35#   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.132 | 0.177 | -34.1# | 47#   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.285 | 0.277 | 2.8    | 36#   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.416 | 0.420 | -1.0   | 38#   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.272 | 0.285 | -4.8   | 38#   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.294 | 0.313 | -6.5   | 40#   | 0.00     |
| 31   | Naphthalene                 | 0.963 | 0.992 | -3.0   | 39#   | 0.00     |
| 32   | Benzoic acid                | 0.186 | 0.159 | 14.5   | 31#   | -0.03    |
| 33   | 4-Chloroaniline             | 0.401 | 0.400 | 0.2    | 37#   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.175 | 0.196 | -12.0  | 42#   | 0.00     |
| 35   | Caprolactam                 | 0.093 | 0.076 | 18.3   | 31#   | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.292 | 0.261 | 10.6   | 33#   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.640 | 0.633 | 1.1    | 38#   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 29#   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.663 | 0.865 | -30.5# | 38#   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.312 | 0.066 | 78.8#  | 6#    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.204 | 0.200 | 2.0    | 28#   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.420 | 0.496 | -18.1  | 33#   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.436 | 0.499 | -14.4  | 32#   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.313 | 1.705 | -29.9# | 39#   | 0.00     |

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|      | Compound                   | AvqRF | CCRF   | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.730 | 2.119  | -22.5 | 37#   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.255 | 1.473  | -17.4 | 34#   | 0.00     |
| 47   | 2-Nitroaniline             | 0.350 | 0.416  | -18.9 | 33#   | 0.00     |
| 48   | Acenaphthylene             | 2.080 | 2.259  | -8.6  | 32#   | 0.00     |
| 49   | Dimethylphthalate          | 1.527 | 1.769  | -15.8 | 35#   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.302 | 0.349  | -15.6 | 32#   | 0.00     |
| 51 C | Acenaphthene               | 1.265 | 1.323  | -4.6  | 31#   | 0.00     |
| 52   | 3-Nitroaniline             | 0.357 | 0.384  | -7.6  | 30#   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.091 | 0.029# | 68.1# | 9#    | 0.00     |
| 54   | Dibenzofuran               | 1.773 | 1.818  | -2.5  | 30#   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.290 | 0.242  | 16.6  | 23#   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.381 | 0.402  | -5.5  | 29#   | 0.00     |
| 57   | Fluorene                   | 1.299 | 1.360  | -4.7  | 30#   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.357 | 0.337  | 5.6   | 26#   | 0.00     |
| 59   | Diethylphthalate           | 1.528 | 1.602  | -4.8  | 31#   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.637 | 0.709  | -11.3 | 33#   | 0.00     |
| 61   | 4-Nitroaniline             | 0.338 | 0.340  | -0.6  | 28#   | 0.00     |
| 62   | Azobenzene                 | 1.439 | 1.241  | 13.8  | 26#   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000  | 0.0   | 24#   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.087 | 0.045  | 48.3# | 12#   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.695 | 0.826  | -18.8 | 29#   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.214 | 0.251  | -17.3 | 28#   | 0.00     |
| 67   | Hexachlorobenzene          | 0.224 | 0.250  | -11.6 | 27#   | 0.00     |
| 68   | Atrazine                   | 0.211 | 0.229  | -8.5  | 26#   | 0.00     |
| 69 C | Pentachlorophenol          | 0.161 | 0.169  | -5.0  | 25#   | 0.00     |
| 70   | Phenanthrene               | 1.053 | 1.133  | -7.6  | 27#   | 0.00     |
| 71   | Anthracene                 | 1.068 | 1.161  | -8.7  | 27#   | 0.00     |
| 72   | Carbazole                  | 0.986 | 1.051  | -6.6  | 26#   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.154 | 1.323  | -14.6 | 28#   | 0.00     |
| 74 C | Fluoranthene               | 1.116 | 1.305  | -16.9 | 29#   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000  | 0.0   | 33#   | 0.00     |
| 76   | Benzidine                  | 0.801 | 0.688  | 14.1  | 27#   | 0.00     |
| 77   | Pyrene                     | 1.426 | 1.281  | 10.2  | 30#   | 0.00     |
| 78 S | Terphenyl-d14              | 0.870 | 0.811  | 6.8   | 33#   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.581 | 0.569  | 2.1   | 32#   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.204 | 1.276  | -6.0  | 35#   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.432 | 0.481  | -11.3 | 35#   | 0.00     |
| 82   | Chrysene                   | 1.166 | 1.217  | -4.4  | 35#   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.765 | 0.842  | -10.1 | 35#   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.314 | 1.496  | -13.9 | 36#   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.943 | 0.818  | 13.3  | 30#   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000  | 0.0   | 31#   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.185 | 1.275  | -7.6  | 34#   | 0.00     |

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|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.120 | 1.282 | -14.5 | 34#   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.050 | 1.120 | -6.7  | 32#   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 0.859 | 0.854 | 0.6   | 31#   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 0.841 | 0.771 | 8.3   | 29#   | 0.00     |

(#) = Out of Range

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