

Data Path : Z:\HPCHEM1\BNA F\Data\BF010318\  
 Data File : BF101855.D  
 Acq On : 3 Jan 2018 12:59  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 04 01:14:06 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 29 13:21:45 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   | 71    | -0.01    |
| 2    | 1,4-Dioxane                 | 0.690 | 0.623 | 9.7   | 64    | -0.01    |
| 3    | Pyridine                    | 1.917 | 1.640 | 14.4  | 60    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.883 | 0.721 | 18.3  | 57    | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.343 | 1.392 | -3.6  | 74    | -0.01    |
| 6    | Aniline                     | 2.322 | 2.094 | 9.8   | 65    | -0.02    |
| 7 S  | Phenol-d6                   | 1.671 | 1.562 | 6.5   | 69    | -0.01    |
| 8    | 2-Chlorophenol              | 1.412 | 1.385 | 1.9   | 72    | -0.01    |
| 9    | Benzaldehyde                | 1.234 | 0.994 | 19.4  | 58    | 0.00     |
| 10 C | Phenol                      | 1.905 | 1.726 | 9.4   | 66    | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.494 | 1.382 | 7.5   | 66    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 1.594 | 1.565 | 1.8   | 71    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.628 | 1.623 | 0.3   | 73    | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 1.465 | 1.431 | 2.3   | 71    | -0.01    |
| 15   | Benzyl Alcohol              | 1.150 | 1.127 | 2.0   | 72    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.286 | 2.110 | 7.7   | 65    | -0.02    |
| 17   | 2-Methylphenol              | 1.299 | 1.191 | 8.3   | 69    | -0.01    |
| 18   | Hexachloroethane            | 0.566 | 0.542 | 4.2   | 69    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.097 | 1.060 | 3.4   | 74    | -0.02    |
| 20   | 3+4-Methylphenols           | 1.377 | 1.579 | -14.7 | 83    | -0.01    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 71    | -0.02    |
| 22   | Acetophenone                | 0.456 | 0.470 | -3.1  | 74    | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.359 | 0.347 | 3.3   | 68    | -0.02    |
| 24   | Nitrobenzene                | 0.398 | 0.381 | 4.3   | 69    | -0.02    |
| 25   | Isophorone                  | 0.721 | 0.655 | 9.2   | 66    | -0.01    |
| 26 C | 2-Nitrophenol               | 0.171 | 0.188 | -9.9  | 75    | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.290 | 0.283 | 2.4   | 71    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.458 | 0.435 | 5.0   | 69    | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 0.287 | 0.293 | -2.1  | 73    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 0.303 | 0.289 | 4.6   | 69    | -0.01    |
| 31   | Naphthalene                 | 1.007 | 0.967 | 4.0   | 70    | -0.01    |
| 32   | Benzoic acid                | 0.173 | 0.202 | -16.8 | 85    | -0.01    |
| 33   | 4-Chloroaniline             | 0.438 | 0.424 | 3.2   | 71    | -0.01    |
| 34 C | Hexachlorobutadiene         | 0.175 | 0.172 | 1.7   | 71    | -0.02    |
| 35   | Caprolactam                 | 0.100 | 0.095 | 5.0   | 68    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.315 | 0.315 | 0.0   | 71    | -0.02    |
| 37   | 2-Methylnaphthalene         | 0.656 | 0.633 | 3.5   | 71    | -0.02    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 71    | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.675 | 0.664 | 1.6   | 72    | -0.02    |
| 40 P | Hexachlorocyclopentadiene   | 0.088 | 0.079 | 10.2  | 67    | -0.02    |
| 41 S | 2,4,6-Tribromophenol        | 0.193 | 0.201 | -4.1  | 75    | -0.02    |
| 42 C | 2,4,6-Trichlorophenol       | 0.407 | 0.398 | 2.2   | 69    | -0.02    |
| 43   | 2,4,5-Trichlorophenol       | 0.445 | 0.382 | 14.2  | 61    | -0.01    |
| 44 S | 2-Fluorobiphenyl            | 1.289 | 1.253 | 2.8   | 71    | -0.02    |

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|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.774 | 1.708 | 3.7    | 72    | -0.02    |
| 46   | 2-Chloronaphthalene        | 1.357 | 1.286 | 5.2    | 71    | -0.02    |
| 47   | 2-Nitroaniline             | 0.469 | 0.471 | -0.4   | 72    | -0.02    |
| 48   | Acenaphthylene             | 2.144 | 2.031 | 5.3    | 71    | -0.02    |
| 49   | Dimethylphthalate          | 1.609 | 1.528 | 5.0    | 71    | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 0.327 | 0.319 | 2.4    | 69    | -0.02    |
| 51 C | Acenaphthene               | 1.288 | 1.219 | 5.4    | 71    | -0.02    |
| 52   | 3-Nitroaniline             | 0.408 | 0.419 | -2.7   | 73    | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 0.087 | 0.134 | -54.0# | 108   | 0.02     |
| 54   | Dibenzofuran               | 1.637 | 1.749 | -6.8   | 78    | -0.02    |
| 55 P | 4-Nitrophenol              | 0.178 | 0.199 | -11.8  | 77    | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 0.368 | 0.459 | -24.7  | 89    | -0.02    |
| 57   | Fluorene                   | 1.385 | 1.419 | -2.5   | 74    | -0.02    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.320 | 0.323 | -0.9   | 72    | -0.02    |
| 59   | Diethylphthalate           | 1.593 | 1.546 | 3.0    | 74    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 0.664 | 0.694 | -4.5   | 75    | -0.02    |
| 61   | 4-Nitroaniline             | 0.410 | 0.405 | 1.2    | 71    | -0.02    |
| 62   | Azobenzene                 | 1.650 | 1.505 | 8.8    | 69    | -0.02    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 73    | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.102 | 0.114 | -11.8  | 78    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 0.738 | 0.690 | 6.5    | 71    | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 0.225 | 0.222 | 1.3    | 74    | -0.02    |
| 67   | Hexachlorobenzene          | 0.238 | 0.232 | 2.5    | 73    | -0.02    |
| 68   | Atrazine                   | 0.220 | 0.204 | 7.3    | 69    | -0.02    |
| 69 C | Pentachlorophenol          | 0.079 | 0.069 | 12.7   | 64    | -0.02    |
| 70   | Phenanthrene               | 1.112 | 1.067 | 4.0    | 74    | -0.02    |
| 71   | Anthracene                 | 1.136 | 1.101 | 3.1    | 75    | -0.02    |
| 72   | Carbazole                  | 1.064 | 1.051 | 1.2    | 76    | -0.02    |
| 73   | Di-n-butylphthalate        | 1.291 | 1.274 | 1.3    | 76    | -0.02    |
| 74 C | Fluoranthene               | 1.167 | 1.141 | 2.2    | 76    | -0.02    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 71    | -0.02    |
| 76   | Benzidine                  | 0.845 | 0.690 | 18.3   | 58    | -0.02    |
| 77   | Pyrene                     | 1.501 | 1.533 | -2.1   | 75    | -0.02    |
| 78 S | Terphenyl-d14              | 0.830 | 0.831 | -0.1   | 76    | -0.02    |
| 79   | Butylbenzylphthalate       | 0.679 | 0.700 | -3.1   | 74    | -0.02    |
| 80   | Benzo(a)anthracene         | 1.321 | 1.250 | 5.4    | 69    | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 0.431 | 0.419 | 2.8    | 70    | -0.02    |
| 82   | Chrysene                   | 1.247 | 1.221 | 2.1    | 72    | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.860 | 0.853 | 0.8    | 72    | -0.02    |
| 84 c | Di-n-octyl phthalate       | 1.534 | 1.505 | 1.9    | 72    | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.110 | 0.974 | 12.3   | 66    | -0.04    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 66    | -0.02    |
| 87   | Benzo(b)fluoranthene       | 1.219 | 1.101 | 9.7    | 60    | -0.03    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.185 | 1.244 | -5.0 | 74    | -0.02    |
| 89 C | Benzo(a)pyrene         | 1.124 | 1.061 | 5.6  | 65    | -0.02    |
| 90   | Dibenzo(a,h)anthracene | 0.965 | 0.910 | 5.7  | 66    | -0.04    |
| 91   | Benzo(a,h,i)perylene   | 0.955 | 0.918 | 3.9  | 67    | -0.04    |

(#) = Out of Range

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