

Data Path : Z:\HPCHEM1\BNA F\Data\BF101917\  
 Data File : BF099661.D  
 Acq On : 19 Oct 2017 17:04  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 20 13:08:47 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 19 19:55:56 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   | 61    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.600 | 0.597 | 0.5   | 60    | 0.00     |
| 3    | Pyridine                    | 1.624 | 1.536 | 5.4   | 59    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.688 | 0.570 | 17.2  | 50    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.256 | 1.312 | -4.5  | 63    | 0.00     |
| 6    | Aniline                     | 2.092 | 2.027 | 3.1   | 59    | 0.00     |
| 7 S  | Phenol-d6                   | 1.550 | 1.598 | -3.1  | 63    | 0.00     |
| 8    | 2-Chlorophenol              | 1.423 | 1.490 | -4.7  | 65    | 0.00     |
| 9    | Benzaldehyde                | 0.899 | 0.724 | 19.5  | 50    | 0.00     |
| 10 C | Phenol                      | 1.733 | 1.855 | -7.0  | 66    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.348 | 1.356 | -0.6  | 62    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.490 | 1.584 | -6.3  | 66    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.516 | 1.600 | -5.5  | 66    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.401 | 1.460 | -4.2  | 64    | 0.00     |
| 15   | Benzyl Alcohol              | 1.137 | 0.995 | 12.5  | 53    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.099 | 1.714 | 18.3  | 51    | 0.00     |
| 17   | 2-Methylphenol              | 1.164 | 1.157 | 0.6   | 61    | 0.00     |
| 18   | Hexachloroethane            | 0.545 | 0.532 | 2.4   | 61    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.990 | 0.861 | 13.0  | 56    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.473 | 1.399 | 5.0   | 58    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 62    | 0.00     |
| 22   | Acetophenone                | 0.485 | 0.449 | 7.4   | 59    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.312 | 0.306 | 1.9   | 60    | 0.00     |
| 24   | Nitrobenzene                | 0.354 | 0.340 | 4.0   | 59    | 0.00     |
| 25   | Isophorone                  | 0.645 | 0.600 | 7.0   | 59    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.170 | 0.195 | -14.7 | 68    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.321 | 0.303 | 5.6   | 59    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.402 | 0.391 | 2.7   | 62    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.276 | 0.290 | -5.1  | 66    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.276 | 0.291 | -5.4  | 66    | 0.00     |
| 31   | Naphthalene                 | 0.939 | 0.963 | -2.6  | 65    | 0.00     |
| 32   | Benzoic acid                | 0.264 | 0.246 | 6.8   | 56    | 0.00     |
| 33   | 4-Chloroaniline             | 0.392 | 0.403 | -2.8  | 64    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.142 | 0.144 | -1.4  | 65    | 0.00     |
| 35   | Caprolactam                 | 0.088 | 0.093 | -5.7  | 67    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.310 | 0.312 | -0.6  | 63    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.611 | 0.629 | -2.9  | 65    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 63    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.596 | 0.623 | -4.5  | 67    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.273 | 0.234 | 14.3  | 53    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.164 | 0.174 | -6.1  | 65    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.423 | 0.416 | 1.7   | 63    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.422 | 0.420 | 0.5   | 62    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.198 | 1.259 | -5.1  | 66    | 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              | 1.719 | 1.766 | -2.7   | 66    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.291 | 1.329 | -2.9   | 66    | 0.00     |
| 47   | 2-Nitroaniline             | 0.395 | 0.375 | 5.1    | 58    | 0.00     |
| 48   | Acenaphthylene             | 1.976 | 1.996 | -1.0   | 65    | 0.00     |
| 49   | Dimethylphthalate          | 1.509 | 1.556 | -3.1   | 67    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.329 | 0.357 | -8.5   | 67    | 0.00     |
| 51 C | Acenaphthene               | 1.251 | 1.187 | 5.1    | 61    | 0.00     |
| 52   | 3-Nitroaniline             | 0.383 | 0.416 | -8.6   | 66    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.148 | 0.137 | 7.4    | 56    | 0.00     |
| 54   | Dibenzofuran               | 1.666 | 1.627 | 2.3    | 63    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.324 | 0.408 | -25.9# | 77    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.426 | 0.437 | -2.6   | 63    | 0.00     |
| 57   | Fluorene                   | 1.339 | 1.427 | -6.6   | 69    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.291 | 0.287 | 1.4    | 62    | 0.00     |
| 59   | Diethylphthalate           | 1.475 | 1.448 | 1.8    | 63    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.602 | 0.625 | -3.8   | 67    | 0.00     |
| 61   | 4-Nitroaniline             | 0.370 | 0.397 | -7.3   | 66    | 0.00     |
| 62   | Azobenzene                 | 1.356 | 1.227 | 9.5    | 58    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 64    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.122 | 0.134 | -9.8   | 70    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.693 | 0.691 | 0.3    | 66    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.196 | 0.199 | -1.5   | 67    | 0.00     |
| 67   | Hexachlorobenzene          | 0.209 | 0.218 | -4.3   | 69    | 0.00     |
| 68   | Atrazine                   | 0.208 | 0.195 | 6.2    | 61    | 0.00     |
| 69 C | Pentachlorophenol          | 0.130 | 0.110 | 15.4   | 52    | 0.00     |
| 70   | Phenanthrene               | 1.071 | 1.088 | -1.6   | 68    | 0.00     |
| 71   | Anthracene                 | 1.095 | 1.107 | -1.1   | 67    | 0.00     |
| 72   | Carbazole                  | 1.073 | 1.067 | 0.6    | 65    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.291 | 1.256 | 2.7    | 63    | 0.00     |
| 74 C | Fluoranthene               | 1.084 | 1.102 | -1.7   | 68    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 63    | 0.00     |
| 76   | Benzidine                  | 0.740 | 0.670 | 9.5    | 58    | 0.00     |
| 77   | Pyrene                     | 1.525 | 1.608 | -5.4   | 68    | 0.00     |
| 78 S | Terphenyl-d14              | 0.879 | 0.917 | -4.3   | 67    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.717 | 0.743 | -3.6   | 64    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.211 | 1.249 | -3.1   | 67    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.444 | 0.416 | 6.3    | 59    | 0.00     |
| 82   | Chrysene                   | 1.153 | 1.194 | -3.6   | 67    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.987 | 0.999 | -1.2   | 64    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.589 | 1.717 | -8.1   | 70    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.922 | 0.853 | 7.5    | 64    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 60    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.230 | 1.328 | -8.0   | 63    | 0.00     |

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|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.215 | 1.281 | -5.4  | 64    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.129 | 1.169 | -3.5  | 62    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 0.903 | 0.937 | -3.8  | 64    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 0.893 | 0.984 | -10.2 | 68    | 0.00     |

(#) = Out of Range

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