

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011717\  
 Data File : BF092318.D  
 Acq On : 17 Jan 2017 16:10  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 18 00:08:25 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 06 15:43:51 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   | 56    | -0.09    |
| 2    | 1,4-Dioxane                 | 0.590 | 0.690 | -16.9 | 65    | -0.13    |
| 3    | Pyridine                    | 2.058 | 1.866 | 9.3   | 50#   | -0.17    |
| 4    | n-Nitrosodimethylamine      | 0.776 | 0.671 | 13.5  | 47#   | -0.16    |
| 5 S  | 2-Fluorophenol              | 1.198 | 1.274 | -6.3  | 62    | -0.10    |
| 6    | Aniline                     | 1.899 | 1.884 | 0.8   | 56    | -0.09    |
| 7 S  | Phenol-d6                   | 1.462 | 1.427 | 2.4   | 54    | -0.09    |
| 8    | 2-Chlorophenol              | 1.362 | 1.355 | 0.5   | 55    | -0.09    |
| 9    | Benzaldehyde                | 0.904 | 0.844 | 6.6   | 56    | -0.09    |
| 10 C | Phenol                      | 1.666 | 1.822 | -9.4  | 57    | -0.09    |
| 11   | bis(2-Chloroethyl)ether     | 1.326 | 1.350 | -1.8  | 53    | -0.09    |
| 12   | 1,3-Dichlorobenzene         | 1.455 | 1.421 | 2.3   | 52    | -0.09    |
| 13 C | 1,4-Dichlorobenzene         | 1.480 | 1.417 | 4.3   | 53    | -0.09    |
| 14   | 1,2-Dichlorobenzene         | 1.285 | 1.296 | -0.9  | 58    | -0.09    |
| 15   | Benzyl Alcohol              | 1.136 | 1.069 | 5.9   | 52    | -0.09    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.975 | 1.987 | -0.6  | 56    | -0.09    |
| 17   | 2-Methylphenol              | 1.096 | 1.043 | 4.8   | 54    | -0.08    |
| 18   | Hexachloroethane            | 0.549 | 0.543 | 1.1   | 53    | -0.09    |
| 19 P | n-Nitroso-di-n-propylamine  | 0.973 | 0.965 | 0.8   | 53    | -0.09    |
| 20   | 3+4-Methylphenols           | 1.307 | 1.479 | -13.2 | 60    | -0.09    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 62    | -0.09    |
| 22   | Acetophenone                | 0.493 | 0.435 | 11.8  | 54    | -0.09    |
| 23 S | Nitrobenzene-d5             | 0.360 | 0.321 | 10.8  | 57    | -0.08    |
| 24   | Nitrobenzene                | 0.383 | 0.322 | 15.9  | 47#   | -0.09    |
| 25   | Isophorone                  | 0.664 | 0.562 | 15.4  | 52    | -0.08    |
| 26 C | 2-Nitrophenol               | 0.189 | 0.167 | 11.6  | 56    | -0.09    |
| 27   | 2,4-Dimethylphenol          | 0.313 | 0.259 | 17.3  | 47#   | -0.09    |
| 28   | bis(2-Chloroethoxy)methane  | 0.402 | 0.336 | 16.4  | 50    | -0.08    |
| 29 C | 2,4-Dichlorophenol          | 0.265 | 0.250 | 5.7   | 57    | -0.09    |
| 30   | 1,2,4-Trichlorobenzene      | 0.291 | 0.256 | 12.0  | 52    | -0.09    |
| 31   | Naphthalene                 | 0.915 | 0.961 | -5.0  | 59    | -0.09    |
| 32   | Benzoic acid                | 0.232 | 0.179 | 22.8  | 45#   | -0.07    |
| 33   | 4-Chloroaniline             | 0.413 | 0.398 | 3.6   | 58    | -0.09    |
| 34 C | Hexachlorobutadiene         | 0.153 | 0.158 | -3.3  | 62    | -0.10    |
| 35   | Caprolactam                 | 0.087 | 0.092 | -5.7  | 63    | -0.09    |
| 36 C | 4-Chloro-3-methylphenol     | 0.305 | 0.322 | -5.6  | 61    | -0.08    |
| 37   | 2-Methylnaphthalene         | 0.628 | 0.653 | -4.0  | 70    | -0.09    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 74    | -0.09    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.505 | 0.494 | 2.2   | 65    | -0.09    |
| 40 P | Hexachlorocyclopentadiene   | 0.199 | 0.218 | -9.5  | 70    | -0.09    |
| 41 S | 2,4,6-Tribromophenol        | 0.166 | 0.160 | 3.6   | 73    | -0.09    |
| 42 C | 2,4,6-Trichlorophenol       | 0.353 | 0.317 | 10.2  | 60    | -0.08    |
| 43   | 2,4,5-Trichlorophenol       | 0.364 | 0.315 | 13.5  | 61    | -0.08    |
| 44 S | 2-Fluorobiphenyl            | 1.042 | 0.987 | 5.3   | 72    | -0.09    |

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

|      | Compound                   | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.369 | 1.451 | -6.0   | 69    | -0.09    |
| 46   | 2-Chloronaphthalene        | 1.084 | 1.085 | -0.1   | 70    | -0.09    |
| 47   | 2-Nitroaniline             | 0.386 | 0.333 | 13.7   | 56    | -0.09    |
| 48   | Acenaphthylene             | 1.668 | 1.589 | 4.7    | 69    | -0.09    |
| 49   | Dimethylphthalate          | 1.279 | 1.177 | 8.0    | 64    | -0.09    |
| 50   | 2,6-Dinitrotoluene         | 0.280 | 0.291 | -3.9   | 75    | -0.08    |
| 51 C | Acenaphthene               | 1.131 | 1.064 | 5.9    | 69    | -0.09    |
| 52   | 3-Nitroaniline             | 0.346 | 0.320 | 7.5    | 59    | -0.09    |
| 53 P | 2,4-Dinitrophenol          | 0.156 | 0.147 | 5.8    | 60    | -0.08    |
| 54   | Dibenzofuran               | 1.527 | 1.364 | 10.7   | 71    | -0.09    |
| 55 P | 4-Nitrophenol              | 0.235 | 0.200 | 14.9   | 57    | -0.08    |
| 56   | 2,4-Dinitrotoluene         | 0.351 | 0.314 | 10.5   | 67    | -0.09    |
| 57   | Fluorene                   | 1.111 | 1.088 | 2.1    | 69    | -0.09    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.288 | 0.268 | 6.9    | 63    | -0.09    |
| 59   | Diethylphthalate           | 1.242 | 1.172 | 5.6    | 63    | -0.09    |
| 60   | 4-Chlorophenyl-phenylether | 0.486 | 0.441 | 9.3    | 66    | -0.09    |
| 61   | 4-Nitroaniline             | 0.359 | 0.337 | 6.1    | 61    | -0.09    |
| 62   | Azobenzene                 | 1.368 | 1.290 | 5.7    | 70    | -0.09    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 71    | -0.09    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.121 | 0.135 | -11.6  | 74    | -0.08    |
| 65 c | n-Nitrosodiphenylamine     | 0.593 | 0.604 | -1.9   | 73    | -0.09    |
| 66   | 4-Bromophenyl-phenylether  | 0.208 | 0.212 | -1.9   | 73    | -0.09    |
| 67   | Hexachlorobenzene          | 0.222 | 0.206 | 7.2    | 64    | -0.09    |
| 68   | Atrazine                   | 0.191 | 0.172 | 9.9    | 64    | -0.09    |
| 69 C | Pentachlorophenol          | 0.109 | 0.094 | 13.8   | 54    | -0.09    |
| 70   | Phenanthrene               | 1.084 | 1.036 | 4.4    | 65    | -0.09    |
| 71   | Anthracene                 | 1.086 | 1.023 | 5.8    | 75    | -0.10    |
| 72   | Carbazole                  | 1.005 | 1.012 | -0.7   | 78    | -0.09    |
| 73   | Di-n-butylphthalate        | 1.174 | 1.146 | 2.4    | 75    | -0.09    |
| 74 C | Fluoranthene               | 1.082 | 0.960 | 11.3   | 70    | -0.10    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 64    | -0.09    |
| 76   | Benzidine                  | 0.580 | 0.755 | -30.2# | 87    | -0.09    |
| 77   | Pyrene                     | 1.467 | 1.598 | -8.9   | 74    | -0.09    |
| 78 S | Terphenyl-d14              | 0.825 | 0.861 | -4.4   | 73    | -0.10    |
| 79   | Butylbenzylphthalate       | 0.667 | 0.695 | -4.2   | 62    | -0.10    |
| 80   | Benzo(a)anthracene         | 1.129 | 1.219 | -8.0   | 69    | -0.09    |
| 81   | 3,3'-Dichlorobenzidine     | 0.428 | 0.435 | -1.6   | 69    | -0.10    |
| 82   | Chrysene                   | 1.132 | 1.203 | -6.3   | 75    | -0.09    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.786 | 0.930 | -18.3  | 76    | -0.09    |
| 84 c | Di-n-octyl phthalate       | 1.456 | 1.546 | -6.2   | 68    | -0.09    |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.981 | 0.932 | 5.0    | 62    | -0.16    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 67    | -0.10    |
| 87   | Benzo(b)fluoranthene       | 1.245 | 1.109 | 10.9   | 56    | -0.10    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.062 | 1.120 | -5.5 | 73    | -0.10    |
| 89 C | Benzo(a)pyrene         | 1.105 | 1.043 | 5.6  | 62    | -0.11    |
| 90   | Dibenzo(a,h)anthracene | 0.908 | 0.883 | 2.8  | 64    | -0.17    |
| 91   | Benzo(a,h,i)perylene   | 0.945 | 0.933 | 1.3  | 65    | -0.18    |

(#) = Out of Range

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