

Data Path : Z:\HPCHEM1\BNA F\Data\BF062917\  
 Data File : BF096296.D  
 Acq On : 29 Jun 2017 17:19  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 30 02:15:59 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 28 15:41:49 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    | 84    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.662 | 0.688 | -3.9   | 88    | -0.03    |
| 3    | Pyridine                    | 1.816 | 1.909 | -5.1   | 87    | -0.05    |
| 4    | n-Nitrosodimethylamine      | 0.898 | 0.934 | -4.0   | 86    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.388 | 1.430 | -3.0   | 88    | 0.00     |
| 6    | Aniline                     | 2.318 | 2.371 | -2.3   | 86    | 0.00     |
| 7 S  | Phenol-d6                   | 1.681 | 1.766 | -5.1   | 90    | 0.01     |
| 8    | 2-Chlorophenol              | 1.362 | 1.440 | -5.7   | 89    | 0.00     |
| 9    | Benzaldehyde                | 1.014 | 1.074 | -5.9   | 87    | -0.01    |
| 10 C | Phenol                      | 1.848 | 1.947 | -5.4   | 87    | 0.02     |
| 11   | bis(2-Chloroethyl)ether     | 1.512 | 1.544 | -2.1   | 86    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.501 | 1.533 | -2.1   | 87    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.507 | 1.557 | -3.3   | 88    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.373 | 1.404 | -2.3   | 87    | 0.00     |
| 15   | Benzyl Alcohol              | 1.134 | 1.218 | -7.4   | 89    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 3.194 | 3.218 | -0.8   | 85    | 0.00     |
| 17   | 2-Methylphenol              | 1.181 | 1.237 | -4.7   | 89    | 0.00     |
| 18   | Hexachloroethane            | 0.544 | 0.574 | -5.5   | 88    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.007 | 1.010 | -0.3   | 85    | 0.01     |
| 20   | 3+4-Methylphenols           | 1.347 | 1.384 | -2.7   | 88    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 83    | 0.00     |
| 22   | Acetophenone                | 0.416 | 0.423 | -1.7   | 86    | -0.02    |
| 23 S | Nitrobenzene-d5             | 0.289 | 0.340 | -17.6  | 94    | -0.02    |
| 24   | Nitrobenzene                | 0.320 | 0.372 | -16.2  | 90    | 0.01     |
| 25   | Isophorone                  | 0.656 | 0.668 | -1.8   | 86    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.133 | 0.186 | -39.8# | 109   | -0.02    |
| 27   | 2,4-Dimethylphenol          | 0.296 | 0.307 | -3.7   | 87    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.444 | 0.446 | -0.5   | 85    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.253 | 0.274 | -8.3   | 88    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.251 | 0.258 | -2.8   | 87    | 0.00     |
| 31   | Naphthalene                 | 0.964 | 0.981 | -1.8   | 87    | 0.00     |
| 32   | Benzoic acid                | 0.182 | 0.205 | -12.6  | 88    | -0.05    |
| 33   | 4-Chloroaniline             | 0.399 | 0.415 | -4.0   | 87    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.124 | 0.132 | -6.5   | 88    | 0.00     |
| 35   | Caprolactam                 | 0.087 | 0.097 | -11.5  | 89    | 0.06     |
| 36 C | 4-Chloro-3-methylphenol     | 0.275 | 0.290 | -5.5   | 86    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.626 | 0.633 | -1.1   | 86    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 83    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.484 | 0.512 | -5.8   | 91    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.217 | 0.266 | -22.6  | 95    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.157 | 0.216 | -37.6# | 111   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.365 | 0.399 | -9.3   | 90    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.385 | 0.426 | -10.6  | 87    | 0.01     |
| 44 S | 2-Fluorobiphenyl            | 1.092 | 1.214 | -11.2  | 87    | -0.02    |

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|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.535 | 1.620 | -5.5   | 87    | -0.01    |
| 46   | 2-Chloronaphthalene        | 1.273 | 1.289 | -1.3   | 87    | 0.00     |
| 47   | 2-Nitroaniline             | 0.402 | 0.507 | -26.1# | 101   | -0.02    |
| 48   | Acenaphthylene             | 2.112 | 2.160 | -2.3   | 88    | 0.00     |
| 49   | Dimethylphthalate          | 1.431 | 1.467 | -2.5   | 87    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.298 | 0.345 | -15.8  | 94    | -0.02    |
| 51 C | Acenaphthene               | 1.243 | 1.290 | -3.8   | 90    | 0.00     |
| 52   | 3-Nitroaniline             | 0.381 | 0.451 | -18.4  | 97    | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 0.091 | 0.169 | -85.7# | 152#  | -0.01    |
| 54   | Dibenzofuran               | 1.623 | 1.713 | -5.5   | 88    | -0.01    |
| 55 P | 4-Nitrophenol              | 0.308 | 0.359 | -16.6  | 93    | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 0.375 | 0.461 | -22.9  | 96    | -0.02    |
| 57   | Fluorene                   | 1.188 | 1.238 | -4.2   | 89    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.269 | 0.296 | -10.0  | 88    | 0.00     |
| 59   | Diethylphthalate           | 1.437 | 1.428 | 0.6    | 83    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.479 | 0.510 | -6.5   | 88    | 0.00     |
| 61   | 4-Nitroaniline             | 0.332 | 0.387 | -16.6  | 96    | -0.02    |
| 62   | Azobenzene                 | 1.449 | 1.458 | -0.6   | 85    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 85    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.091 | 0.140 | -53.8# | 124   | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 0.719 | 0.713 | 0.8    | 86    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.206 | 0.211 | -2.4   | 88    | 0.00     |
| 67   | Hexachlorobenzene          | 0.212 | 0.233 | -9.9   | 94    | 0.00     |
| 68   | Atrazine                   | 0.190 | 0.197 | -3.7   | 89    | 0.00     |
| 69 C | Pentachlorophenol          | 0.121 | 0.149 | -23.1# | 96    | 0.00     |
| 70   | Phenanthrene               | 1.080 | 1.117 | -3.4   | 88    | -0.01    |
| 71   | Anthracene                 | 1.118 | 1.153 | -3.1   | 88    | -0.01    |
| 72   | Carbazole                  | 1.234 | 1.231 | 0.2    | 88    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.303 | 1.317 | -1.1   | 85    | 0.00     |
| 74 C | Fluoranthene               | 1.111 | 1.114 | -0.3   | 88    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 90    | 0.00     |
| 76   | Benzidine                  | 0.750 | 0.707 | 5.7    | 80    | 0.00     |
| 77   | Pyrene                     | 1.644 | 1.587 | 3.5    | 86    | 0.00     |
| 78 S | Terphenyl-d14              | 0.802 | 0.811 | -1.1   | 93    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.753 | 0.763 | -1.3   | 86    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.219 | 1.121 | 8.0    | 82    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.464 | 0.471 | -1.5   | 84    | 0.00     |
| 82   | Chrysene                   | 1.261 | 1.162 | 7.9    | 82    | 0.01     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.819 | 0.782 | 4.5    | 79    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.686 | 1.523 | 9.7    | 77    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.047 | 1.057 | -1.0   | 91    | 0.02     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 79    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.314 | 1.246 | 5.2    | 79    | -0.02    |

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|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.199 | 1.179 | 1.7   | 76    | 0.01     |
| 89 C | Benzo(a)pyrene         | 1.160 | 1.131 | 2.5   | 77    | 0.01     |
| 90   | Dibenzo(a,h)anthracene | 0.909 | 0.997 | -9.7  | 89    | 0.02     |
| 91   | Benzo(a,h,i)perylene   | 0.944 | 1.059 | -12.2 | 93    | 0.03     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 2