

Data Path : Z:\HPCHEM1\BNA G\Data\BG022618\  
 Data File : BG032815.D  
 Acq On : 26 Feb 2018 10:18  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 27 08:03:06 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 26 17:50:45 2018  
 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    | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.543 | 0.544 | -0.2   | 112   | 0.00     |
| 3    | Pyridine                    | 1.495 | 1.572 | -5.2   | 113   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.600 | 0.608 | -1.3   | 111   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.250 | 1.283 | -2.6   | 111   | 0.00     |
| 6    | Aniline                     | 2.359 | 2.305 | 2.3    | 109   | 0.00     |
| 7 S  | Phenol-d6                   | 1.742 | 1.751 | -0.5   | 110   | 0.00     |
| 8    | 2-Chlorophenol              | 1.368 | 1.381 | -1.0   | 111   | 0.00     |
| 9    | Benzaldehyde                | 1.004 | 0.911 | 9.3    | 104   | 0.00     |
| 10 C | Phenol                      | 1.757 | 1.778 | -1.2   | 112   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.436 | 1.377 | 4.1    | 107   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.603 | 1.586 | 1.1    | 110   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.613 | 1.569 | 2.7    | 108   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.546 | 1.515 | 2.0    | 110   | 0.00     |
| 15   | Benzyl Alcohol              | 1.281 | 1.258 | 1.8    | 110   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.469 | 2.247 | 9.0    | 102   | 0.00     |
| 17   | 2-Methylphenol              | 1.295 | 1.280 | 1.2    | 109   | 0.00     |
| 18   | Hexachloroethane            | 0.549 | 0.559 | -1.8   | 113   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.230 | 1.167 | 5.1    | 107   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.801 | 1.789 | 0.7    | 111   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 110   | 0.00     |
| 22   | Acetophenone                | 0.505 | 0.496 | 1.8    | 107   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.242 | 0.332 | -37.2# | 139   | 0.00     |
| 24   | Nitrobenzene                | 0.289 | 0.347 | -20.1  | 128   | 0.00     |
| 25   | Isophorone                  | 0.702 | 0.677 | 3.6    | 107   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.103 | 0.153 | -48.5# | 171#  | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.305 | 0.305 | 0.0    | 112   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.409 | 0.396 | 3.2    | 106   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.277 | 0.281 | -1.4   | 111   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.324 | 0.318 | 1.9    | 107   | 0.00     |
| 31   | Naphthalene                 | 1.045 | 1.032 | 1.2    | 109   | 0.00     |
| 32   | Benzoic acid                | 0.174 | 0.247 | -42.0# | 167#  | 0.00     |
| 33   | 4-Chloroaniline             | 0.467 | 0.463 | 0.9    | 109   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.182 | 0.177 | 2.7    | 106   | 0.00     |
| 35   | Caprolactam                 | 0.111 | 0.120 | -8.1   | 115   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.322 | 0.336 | -4.3   | 112   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.756 | 0.740 | 2.1    | 108   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 112   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.594 | 0.580 | 2.4    | 110   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.303 | 0.311 | -2.6   | 113   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.210 | 0.228 | -8.6   | 119   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.374 | 0.387 | -3.5   | 115   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.433 | 0.466 | -7.6   | 119   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.387 | 1.338 | 3.5    | 108   | 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              | 1.748 | 1.692 | 3.2    | 108   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.306 | 1.261 | 3.4    | 108   | 0.00     |
| 47   | 2-Nitroaniline             | 0.282 | 0.397 | -40.8# | 158#  | 0.00     |
| 48   | Acenaphthylene             | 2.137 | 2.091 | 2.2    | 109   | 0.00     |
| 49   | Dimethylphthalate          | 1.698 | 1.616 | 4.8    | 106   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.244 | 0.336 | -37.7# | 152#  | 0.00     |
| 51 C | Acenaphthene               | 1.331 | 1.311 | 1.5    | 110   | 0.00     |
| 52   | 3-Nitroaniline             | 0.308 | 0.401 | -30.2# | 144   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.070 | 0.097 | -38.6# | 161#  | 0.00     |
| 54   | Dibenzofuran               | 1.895 | 1.814 | 4.3    | 107   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.233 | 0.287 | -23.2  | 135   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.293 | 0.446 | -52.2# | 176#  | 0.00     |
| 57   | Fluorene                   | 1.564 | 1.514 | 3.2    | 109   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.336 | 0.351 | -4.5   | 115   | 0.00     |
| 59   | Diethylphthalate           | 1.791 | 1.710 | 4.5    | 107   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.765 | 0.736 | 3.8    | 109   | 0.00     |
| 61   | 4-Nitroaniline             | 0.336 | 0.401 | -19.3  | 129   | 0.00     |
| 62   | Azobenzene                 | 1.602 | 1.524 | 4.9    | 107   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 109   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.054 | 0.090 | -66.7# | 191#  | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.651 | 0.647 | 0.6    | 108   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.211 | 0.207 | 1.9    | 109   | 0.00     |
| 67   | Hexachlorobenzene          | 0.229 | 0.227 | 0.9    | 111   | 0.00     |
| 68   | Atrazine                   | 0.214 | 0.209 | 2.3    | 105   | 0.00     |
| 69 C | Pentachlorophenol          | 0.144 | 0.156 | -8.3   | 118   | 0.00     |
| 70   | Phenanthrene               | 1.116 | 1.102 | 1.3    | 108   | 0.00     |
| 71   | Anthracene                 | 1.120 | 1.106 | 1.3    | 108   | 0.00     |
| 72   | Carbazole                  | 1.104 | 1.068 | 3.3    | 105   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.355 | 1.331 | 1.8    | 105   | 0.00     |
| 74 C | Fluoranthene               | 1.233 | 1.207 | 2.1    | 107   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 113   | 0.00     |
| 76   | Benzidine                  | 0.682 | 0.923 | -35.3# | 157#  | 0.00     |
| 77   | Pyrene                     | 1.410 | 1.334 | 5.4    | 108   | 0.00     |
| 78 S | Terphenyl-d14              | 0.890 | 0.846 | 4.9    | 109   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.625 | 0.661 | -5.8   | 114   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.283 | 1.252 | 2.4    | 110   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.475 | 0.481 | -1.3   | 111   | 0.00     |
| 82   | Chrysene                   | 1.225 | 1.211 | 1.1    | 112   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.926 | 0.957 | -3.3   | 111   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.411 | 1.532 | -8.6   | 113   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.429 | 1.451 | -1.5   | 111   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 114   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.183 | 1.175 | 0.7    | 111   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.175 | 1.161 | 1.2  | 113   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.125 | 1.117 | 0.7  | 113   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.132 | 1.124 | 0.7  | 111   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.116 | 1.115 | 0.1  | 112   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1