

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\  
 Data File : BG032851.D  
 Acq On : 27 Feb 2018 12:38  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 28 02:49:52 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    | 113   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.543 | 0.526 | 3.1    | 110   | 0.00     |
| 3    | Pyridine                    | 1.495 | 1.583 | -5.9   | 115   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.600 | 0.615 | -2.5   | 114   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.250 | 1.278 | -2.2   | 113   | 0.00     |
| 6    | Aniline                     | 2.359 | 2.350 | 0.4    | 113   | 0.00     |
| 7 S  | Phenol-d6                   | 1.742 | 1.817 | -4.3   | 116   | 0.00     |
| 8    | 2-Chlorophenol              | 1.368 | 1.397 | -2.1   | 114   | 0.00     |
| 9    | Benzaldehyde                | 1.004 | 0.930 | 7.4    | 108   | 0.00     |
| 10 C | Phenol                      | 1.757 | 1.812 | -3.1   | 117   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.436 | 1.415 | 1.5    | 112   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.603 | 1.579 | 1.5    | 111   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.613 | 1.588 | 1.5    | 111   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.546 | 1.518 | 1.8    | 112   | 0.00     |
| 15   | Benzyl Alcohol              | 1.281 | 1.304 | -1.8   | 116   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.469 | 2.333 | 5.5    | 108   | 0.00     |
| 17   | 2-Methylphenol              | 1.295 | 1.333 | -2.9   | 116   | 0.00     |
| 18   | Hexachloroethane            | 0.549 | 0.559 | -1.8   | 115   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.230 | 1.239 | -0.7   | 115   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.801 | 1.903 | -5.7   | 120   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 118   | 0.00     |
| 22   | Acetophenone                | 0.505 | 0.494 | 2.2    | 115   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.242 | 0.332 | -37.2# | 150   | 0.00     |
| 24   | Nitrobenzene                | 0.289 | 0.351 | -21.5  | 140   | 0.00     |
| 25   | Isophorone                  | 0.702 | 0.684 | 2.6    | 116   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.103 | 0.165 | -60.2# | 199#  | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.305 | 0.307 | -0.7   | 122   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.409 | 0.399 | 2.4    | 116   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.277 | 0.287 | -3.6   | 122   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.324 | 0.314 | 3.1    | 114   | 0.00     |
| 31   | Naphthalene                 | 1.045 | 1.020 | 2.4    | 116   | 0.00     |
| 32   | Benzoic acid                | 0.174 | 0.253 | -45.4# | 184#  | 0.00     |
| 33   | 4-Chloroaniline             | 0.467 | 0.469 | -0.4   | 119   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.182 | 0.170 | 6.6    | 110   | 0.00     |
| 35   | Caprolactam                 | 0.111 | 0.127 | -14.4  | 132   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.322 | 0.351 | -9.0   | 127   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.756 | 0.754 | 0.3    | 119   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 125   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.594 | 0.570 | 4.0    | 121   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.303 | 0.299 | 1.3    | 122   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.210 | 0.232 | -10.5  | 135   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.374 | 0.397 | -6.1   | 132   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.433 | 0.461 | -6.5   | 132   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.387 | 1.325 | 4.5    | 119   | 0.00     |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\  
 Data File : BG032851.D  
 Acq On : 27 Feb 2018 12:38  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 28 02:49:52 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) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.748 | 1.688 | 3.4    | 121   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.306 | 1.267 | 3.0    | 121   | 0.00     |
| 47   | 2-Nitroaniline             | 0.282 | 0.413 | -46.5# | 184#  | 0.00     |
| 48   | Acenaphthylene             | 2.137 | 2.093 | 2.1    | 122   | 0.00     |
| 49   | Dimethylphthalate          | 1.698 | 1.656 | 2.5    | 122   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.244 | 0.354 | -45.1# | 179#  | 0.00     |
| 51 C | Acenaphthene               | 1.331 | 1.325 | 0.5    | 124   | 0.00     |
| 52   | 3-Nitroaniline             | 0.308 | 0.417 | -35.4# | 167#  | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.070 | 0.092 | -31.4# | 172#  | 0.00     |
| 54   | Dibenzofuran               | 1.895 | 1.830 | 3.4    | 121   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.233 | 0.285 | -22.3  | 150#  | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.293 | 0.484 | -65.2# | 214#  | 0.00     |
| 57   | Fluorene                   | 1.564 | 1.520 | 2.8    | 122   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.336 | 0.362 | -7.7   | 133   | 0.00     |
| 59   | Diethylphthalate           | 1.791 | 1.747 | 2.5    | 122   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.765 | 0.749 | 2.1    | 124   | 0.00     |
| 61   | 4-Nitroaniline             | 0.336 | 0.411 | -22.3  | 148   | 0.00     |
| 62   | Azobenzene                 | 1.602 | 1.547 | 3.4    | 121   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 123   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.054 | 0.094 | -74.1# | 227#  | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.651 | 0.651 | 0.0    | 123   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.211 | 0.211 | 0.0    | 125   | 0.00     |
| 67   | Hexachlorobenzene          | 0.229 | 0.224 | 2.2    | 123   | 0.00     |
| 68   | Atrazine                   | 0.214 | 0.207 | 3.3    | 118   | 0.00     |
| 69 C | Pentachlorophenol          | 0.144 | 0.154 | -6.9   | 131   | 0.00     |
| 70   | Phenanthrene               | 1.116 | 1.095 | 1.9    | 121   | 0.00     |
| 71   | Anthracene                 | 1.120 | 1.101 | 1.7    | 121   | 0.00     |
| 72   | Carbazole                  | 1.104 | 1.069 | 3.2    | 119   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.355 | 1.330 | 1.8    | 119   | 0.00     |
| 74 C | Fluoranthene               | 1.233 | 1.191 | 3.4    | 119   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 127   | 0.00     |
| 76   | Benzidine                  | 0.682 | 0.709 | -4.0   | 135   | 0.00     |
| 77   | Pyrene                     | 1.410 | 1.320 | 6.4    | 119   | 0.00     |
| 78 S | Terphenyl-d14              | 0.890 | 0.834 | 6.3    | 120   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.625 | 0.672 | -7.5   | 130   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.283 | 1.253 | 2.3    | 124   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.475 | 0.475 | 0.0    | 123   | 0.00     |
| 82   | Chrysene                   | 1.225 | 1.199 | 2.1    | 124   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.926 | 0.972 | -5.0   | 126   | -0.01    |
| 84 c | Di-n-octyl phthalate       | 1.411 | 1.567 | -11.1  | 130   | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.429 | 1.449 | -1.4   | 125   | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 129   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.183 | 1.146 | 3.1    | 122   | -0.01    |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\  
Data File : BG032851.D  
Acq On : 27 Feb 2018 12:38  
Operator : SJ/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC040

Quant Time: Feb 28 02:49:52 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               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.175 | 1.160 | 1.3  | 127   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.125 | 1.114 | 1.0  | 126   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.132 | 1.120 | 1.1  | 125   | -0.01    |
| 91   | Benzo(a,h,i)perylene   | 1.116 | 1.094 | 2.0  | 124   | -0.02    |

(#) = Out of Range

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