

Data File : BG035262.D  
 Acq On : 20 Jun 2018 11:43  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 20 13:09:43 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 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) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 153#  | -0.02    |
| 2    | 1,4-Dioxane                 | 0.565 | 0.539 | 4.6   | 147   | 0.00     |
| 3    | Pyridine                    | 1.526 | 1.520 | 0.4   | 143   | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.655 | 0.569 | 13.1  | 125   | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.185 | 1.134 | 4.3   | 143   | -0.02    |
| 6    | Aniline                     | 2.261 | 2.103 | 7.0   | 140   | -0.02    |
| 7 S  | Phenol-d6                   | 1.749 | 1.664 | 4.9   | 141   | -0.01    |
| 8    | 2-Chlorophenol              | 1.242 | 1.181 | 4.9   | 141   | -0.01    |
| 9    | Benzaldehyde                | 1.347 | 1.023 | 24.1  | 110   | -0.01    |
| 10 C | Phenol                      | 1.810 | 1.749 | 3.4   | 145   | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.405 | 1.335 | 5.0   | 144   | -0.02    |
| 12   | 1,3-Dichlorobenzene         | 1.482 | 1.425 | 3.8   | 149   | -0.02    |
| 13 C | 1,4-Dichlorobenzene         | 1.530 | 1.430 | 6.5   | 142   | -0.02    |
| 14   | 1,2-Dichlorobenzene         | 1.437 | 1.387 | 3.5   | 145   | -0.02    |
| 15   | Benzyl Alcohol              | 1.657 | 1.441 | 13.0  | 130   | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.398 | 0.959 | 31.4# | 105   | -0.02    |
| 17   | 2-Methylphenol              | 1.193 | 1.151 | 3.5   | 141   | -0.01    |
| 18   | Hexachloroethane            | 0.548 | 0.526 | 4.0   | 142   | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.486 | 1.296 | 12.8  | 130   | -0.02    |
| 20   | 3+4-Methylphenols           | 1.711 | 1.612 | 5.8   | 141   | -0.02    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 152#  | -0.02    |
| 22   | Acetophenone                | 0.620 | 0.591 | 4.7   | 144   | -0.02    |
| 23 S | Nitrobenzene-d5             | 0.421 | 0.428 | -1.7  | 146   | -0.02    |
| 24   | Nitrobenzene                | 0.431 | 0.417 | 3.2   | 141   | -0.02    |
| 25   | Isophorone                  | 0.888 | 0.819 | 7.8   | 139   | -0.02    |
| 26 C | 2-Nitrophenol               | 0.149 | 0.178 | -19.5 | 180#  | -0.02    |
| 27   | 2,4-Dimethylphenol          | 0.312 | 0.287 | 8.0   | 140   | -0.02    |
| 28   | bis(2-Chloroethoxy)methane  | 0.477 | 0.458 | 4.0   | 144   | -0.02    |
| 29 C | 2,4-Dichlorophenol          | 0.340 | 0.340 | 0.0   | 148   | -0.02    |
| 30   | 1,2,4-Trichlorobenzene      | 0.407 | 0.402 | 1.2   | 144   | -0.02    |
| 31   | Naphthalene                 | 1.039 | 0.979 | 5.8   | 142   | -0.02    |
| 32   | Benzoic acid                | 0.209 | 0.232 | -11.0 | 167#  | -0.01    |
| 33   | 4-Chloroaniline             | 0.451 | 0.432 | 4.2   | 142   | -0.02    |
| 34 C | Hexachlorobutadiene         | 0.317 | 0.303 | 4.4   | 144   | -0.02    |
| 35   | Caprolactam                 | 0.126 | 0.131 | -4.0  | 158#  | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.423 | 0.416 | 1.7   | 146   | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.788 | 0.756 | 4.1   | 142   | -0.02    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 159#  | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.745 | 0.743 | 0.3   | 154#  | -0.02    |
| 40 P | Hexachlorocyclopentadiene   | 0.467 | 0.458 | 1.9   | 147   | -0.02    |
| 41 S | 2,4,6-Tribromophenol        | 0.256 | 0.276 | -7.8  | 168#  | -0.02    |
| 42 C | 2,4,6-Trichlorophenol       | 0.446 | 0.468 | -4.9  | 160#  | -0.02    |
| 43   | 2,4,5-Trichlorophenol       | 0.490 | 0.512 | -4.5  | 165#  | -0.01    |
| 44 S | 2-Fluorobiphenyl            | 1.538 | 1.438 | 6.5   | 147   | -0.02    |

Data File : BG035262.D  
Acq On : 20 Jun 2018 11:43  
Operator : SJ/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC040

Quant Time: Jun 20 13:09:43 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG060718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 08 17:16:28 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) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.608 | 1.504 | 6.5    | 146   | -0.02    |
| 46   | 2-Chloronaphthalene        | 1.216 | 1.145 | 5.8    | 149   | -0.02    |
| 47   | 2-Nitroaniline             | 0.359 | 0.368 | -2.5   | 160#  | -0.02    |
| 48   | Acenaphthylene             | 2.039 | 1.902 | 6.7    | 146   | -0.02    |
| 49   | Dimethylphthalate          | 1.744 | 1.604 | 8.0    | 146   | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 0.318 | 0.329 | -3.5   | 158#  | -0.02    |
| 51 C | Acenaphthene               | 1.332 | 1.298 | 2.6    | 151#  | -0.02    |
| 52   | 3-Nitroaniline             | 0.312 | 0.327 | -4.8   | 155#  | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 0.129 | 0.177 | -37.2# | 209#  | -0.02    |
| 54   | Dibenzofuran               | 1.995 | 1.876 | 6.0    | 147   | -0.02    |
| 55 P | 4-Nitrophenol              | 0.263 | 0.264 | -0.4   | 148   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.423 | 0.484 | -14.4  | 175#  | -0.01    |
| 57   | Fluorene                   | 1.667 | 1.564 | 6.2    | 146   | -0.02    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.476 | 0.488 | -2.5   | 159#  | -0.01    |
| 59   | Diethylphthalate           | 1.779 | 1.610 | 9.5    | 143   | -0.03    |
| 60   | 4-Chlorophenyl-phenylether | 0.951 | 0.930 | 2.2    | 155#  | -0.02    |
| 61   | 4-Nitroaniline             | 0.335 | 0.343 | -2.4   | 153#  | -0.02    |
| 62   | Azobenzene                 | 1.744 | 1.486 | 14.8   | 134   | -0.02    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 163#  | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.091 | 0.111 | -22.0  | 195#  | -0.02    |
| 65 c | n-Nitrosodiphenylamine     | 0.601 | 0.563 | 6.3    | 148   | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 0.241 | 0.235 | 2.5    | 158#  | -0.02    |
| 67   | Hexachlorobenzene          | 0.245 | 0.240 | 2.0    | 159#  | -0.02    |
| 68   | Atrazine                   | 0.256 | 0.201 | 21.5   | 124   | -0.02    |
| 69 C | Pentachlorophenol          | 0.165 | 0.170 | -3.0   | 161#  | -0.02    |
| 70   | Phenanthrene               | 1.016 | 0.938 | 7.7    | 147   | -0.02    |
| 71   | Anthracene                 | 1.018 | 0.926 | 9.0    | 143   | -0.02    |
| 72   | Carbazole                  | 0.944 | 0.857 | 9.2    | 143   | -0.01    |
| 73   | Di-n-butylphthalate        | 1.125 | 0.993 | 11.7   | 140   | -0.03    |
| 74 C | Fluoranthene               | 1.322 | 1.202 | 9.1    | 144   | -0.02    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 165#  | -0.02    |
| 76   | Benzidine                  | 0.744 | 0.309 | 58.5#  | 67    | -0.02    |
| 77   | Pyrene                     | 1.318 | 1.170 | 11.2   | 145   | -0.02    |
| 78 S | Terphenyl-d14              | 0.955 | 0.845 | 11.5   | 143   | -0.02    |
| 79   | Butylbenzylphthalate       | 0.479 | 0.431 | 10.0   | 142   | -0.02    |
| 80   | Benzo(a)anthracene         | 1.278 | 1.165 | 8.8    | 150   | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 0.481 | 0.436 | 9.4    | 144   | -0.02    |
| 82   | Chrysene                   | 1.170 | 1.069 | 8.6    | 150   | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.676 | 0.592 | 12.4   | 140   | -0.04    |
| 84 c | Di-n-octyl phthalate       | 1.161 | 0.999 | 14.0   | 137   | -0.05    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.370 | 1.260 | 8.0    | 149   | -0.06    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 161#  | -0.03    |
| 87   | Benzo(b)fluoranthene       | 1.232 | 1.116 | 9.4    | 142   | -0.03    |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062018\  
Evaluate Continuing Calibration Report

Data File : BG035262.D  
Acq On : 20 Jun 2018 11:43  
Operator : SJ/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC040

Quant Time: Jun 20 13:09:43 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG060718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 08 17:16:28 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   | 1.205 | 1.121 | 7.0  | 153#  | -0.03    |
| 89 C | Benzo(a)pyrene         | 1.159 | 1.069 | 7.8  | 147   | -0.04    |
| 90   | Dibenzo(a,h)anthracene | 1.144 | 1.063 | 7.1  | 149   | -0.06    |
| 91   | Benzo(g,h,i)perylene   | 1.120 | 1.031 | 7.9  | 147   | -0.06    |

(#) = Out of Range

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