

Data Path : Z:\HPCHEM1\BNA G\DATA\BG093016\  
 Data File : BG024177.D  
 Acq On : 1 Oct 2016 2:23  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 01 04:08:55 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG092316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 23 15:35:28 2016  
 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   | 105   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.442 | 0.520 | -17.6 | 111   | -0.01    |
| 3    | Pyridine                    | 1.562 | 1.635 | -4.7  | 102   | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.792 | 0.730 | 7.8   | 95    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.154 | 1.170 | -1.4  | 98    | 0.00     |
| 6    | Aniline                     | 2.728 | 2.398 | 12.1  | 92    | 0.00     |
| 7 S  | Phenol-d6                   | 1.942 | 1.785 | 8.1   | 95    | 0.00     |
| 8    | 2-Chlorophenol              | 1.382 | 1.216 | 12.0  | 92    | -0.01    |
| 9    | Benzaldehyde                | 1.058 | 1.079 | -2.0  | 106   | 0.00     |
| 10 C | Phenol                      | 2.042 | 1.915 | 6.2   | 97    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.610 | 1.438 | 10.7  | 91    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 1.541 | 1.410 | 8.5   | 95    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.573 | 1.469 | 6.6   | 97    | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 1.531 | 1.427 | 6.8   | 95    | -0.01    |
| 15   | Benzyl Alcohol              | 1.880 | 1.591 | 15.4  | 90    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.223 | 1.938 | 12.8  | 90    | -0.02    |
| 17   | 2-Methylphenol              | 1.358 | 1.252 | 7.8   | 96    | 0.00     |
| 18   | Hexachloroethane            | 0.663 | 0.627 | 5.4   | 97    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.908 | 1.589 | 16.7  | 88    | -0.01    |
| 20   | 3+4-Methylphenols           | 1.972 | 1.807 | 8.4   | 97    | -0.01    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 105   | -0.01    |
| 22   | Acetophenone                | 0.577 | 0.538 | 6.8   | 95    | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.507 | 0.467 | 7.9   | 94    | -0.01    |
| 24   | Nitrobenzene                | 0.544 | 0.512 | 5.9   | 96    | 0.00     |
| 25   | Isophorone                  | 1.035 | 0.935 | 9.7   | 95    | -0.01    |
| 26 C | 2-Nitrophenol               | 0.193 | 0.173 | 10.4  | 91    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.323 | 0.299 | 7.4   | 94    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.503 | 0.464 | 7.8   | 96    | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 0.336 | 0.320 | 4.8   | 94    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.359 | 0.323 | 10.0  | 91    | -0.01    |
| 31   | Naphthalene                 | 1.013 | 0.957 | 5.5   | 98    | -0.01    |
| 32   | Benzoic acid                | 0.241 | 0.190 | 21.2  | 79    | -0.01    |
| 33   | 4-Chloroaniline             | 0.452 | 0.415 | 8.2   | 95    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.283 | 0.240 | 15.2  | 87    | -0.01    |
| 35   | Caprolactam                 | 0.137 | 0.113 | 17.5  | 90    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.472 | 0.439 | 7.0   | 93    | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.776 | 0.697 | 10.2  | 93    | -0.01    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 106   | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.584 | 0.533 | 8.7   | 91    | -0.02    |
| 40 P | Hexachlorocyclopentadiene   | 0.220 | 0.199 | 9.5   | 84    | -0.01    |
| 41 S | 2,4,6-Tribromophenol        | 0.287 | 0.223 | 22.3  | 81    | -0.01    |
| 42 C | 2,4,6-Trichlorophenol       | 0.378 | 0.339 | 10.3  | 88    | -0.01    |
| 43   | 2,4,5-Trichlorophenol       | 0.389 | 0.340 | 12.6  | 86    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.190 | 1.110 | 6.7   | 95    | -0.01    |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG093016\  
 Data File : BG024177.D  
 Acq On : 1 Oct 2016 2:23  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 01 04:08:55 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG092316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 23 15:35:28 2016  
 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              | 1.368 | 1.297 | 5.2   | 96    | -0.01    |
| 46   | 2-Chloronaphthalene        | 1.021 | 0.957 | 6.3   | 95    | -0.02    |
| 47   | 2-Nitroaniline             | 0.475 | 0.421 | 11.4  | 89    | -0.01    |
| 48   | Acenaphthylene             | 1.734 | 1.630 | 6.0   | 98    | -0.02    |
| 49   | Dimethylphthalate          | 1.534 | 1.398 | 8.9   | 94    | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 0.322 | 0.294 | 8.7   | 92    | 0.00     |
| 51 C | Acenaphthene               | 1.051 | 0.987 | 6.1   | 96    | -0.02    |
| 52   | 3-Nitroaniline             | 0.322 | 0.309 | 4.0   | 101   | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 0.190 | 0.142 | 25.3# | 75    | 0.00     |
| 54   | Dibenzofuran               | 1.637 | 1.508 | 7.9   | 95    | -0.01    |
| 55 P | 4-Nitrophenol              | 0.225 | 0.188 | 16.4  | 86    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.490 | 0.444 | 9.4   | 95    | -0.01    |
| 57   | Fluorene                   | 1.425 | 1.304 | 8.5   | 96    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.375 | 0.324 | 13.6  | 86    | -0.01    |
| 59   | Diethylphthalate           | 1.652 | 1.462 | 11.5  | 95    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 0.763 | 0.663 | 13.1  | 92    | -0.01    |
| 61   | 4-Nitroaniline             | 0.333 | 0.292 | 12.3  | 93    | -0.01    |
| 62   | Azobenzene                 | 1.679 | 1.561 | 7.0   | 97    | -0.01    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 101   | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.139 | 0.115 | 17.3  | 79    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 0.547 | 0.538 | 1.6   | 94    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 0.232 | 0.206 | 11.2  | 87    | -0.01    |
| 67   | Hexachlorobenzene          | 0.261 | 0.224 | 14.2  | 84    | -0.01    |
| 68   | Atrazine                   | 0.242 | 0.204 | 15.7  | 83    | -0.01    |
| 69 C | Pentachlorophenol          | 0.124 | 0.096 | 22.6# | 76    | 0.00     |
| 70   | Phenanthrene               | 1.019 | 0.975 | 4.3   | 95    | -0.02    |
| 71   | Anthracene                 | 1.046 | 0.978 | 6.5   | 93    | -0.01    |
| 72   | Carbazole                  | 0.974 | 0.919 | 5.6   | 95    | -0.01    |
| 73   | Di-n-butylphthalate        | 1.275 | 1.109 | 13.0  | 89    | -0.02    |
| 74 C | Fluoranthene               | 1.330 | 1.155 | 13.2  | 91    | -0.01    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 128   | -0.02    |
| 76   | Benzidine                  | 0.566 | 0.395 | 30.2# | 81    | -0.01    |
| 77   | Pyrene                     | 1.397 | 1.099 | 21.3  | 92    | -0.01    |
| 78 S | Terphenyl-d14              | 0.977 | 0.737 | 24.6  | 90    | -0.01    |
| 79   | Butylbenzylphthalate       | 0.514 | 0.450 | 12.5  | 108   | -0.01    |
| 80   | Benzo(a)anthracene         | 1.139 | 1.043 | 8.4   | 114   | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 0.408 | 0.396 | 2.9   | 118   | -0.02    |
| 82   | Chrysene                   | 1.070 | 0.999 | 6.6   | 117   | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.614 | 0.644 | -4.9  | 125   | -0.02    |
| 84 c | Di-n-octyl phthalate       | 1.060 | 1.133 | -6.9  | 123   | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.193 | 1.258 | -5.4  | 122   | -0.07    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 136   | -0.03    |
| 87   | Benzo(b)fluoranthene       | 1.164 | 1.064 | 8.6   | 120   | -0.03    |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG093016\  
Data File : BG024177.D  
Acq On : 1 Oct 2016 2:23  
Operator : UM/SJ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTDCCC040

Quant Time: Oct 01 04:08:55 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG092316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 23 15:35:28 2016  
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   | 1.156 | 1.101 | 4.8  | 125   | -0.03    |
| 89 C | Benzo(a)pyrene         | 1.125 | 1.049 | 6.8  | 123   | -0.03    |
| 90   | Dibenzo(a,h)anthracene | 1.123 | 1.032 | 8.1  | 123   | -0.07    |
| 91   | Benzo(a,h,i)perylene   | 1.132 | 1.057 | 6.6  | 125   | -0.06    |

(#) = Out of Range

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