

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081518\  
 Data File : BM016392.D  
 Acq On : 15 Aug 2018 22:15  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 16 00:56:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 15 11:23:48 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    | 54    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.564 | 0.662 | -17.4  | 61    | 0.00     |
| 3    | Pyridine                    | 1.359 | 1.277 | 6.0    | 49#   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 1.060 | 1.301 | -22.7  | 62    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.204 | 1.215 | -0.9   | 52    | 0.00     |
| 6    | Aniline                     | 1.810 | 1.581 | 12.7   | 45#   | 0.00     |
| 7 S  | Phenol-d6                   | 1.572 | 1.457 | 7.3    | 48#   | 0.00     |
| 8    | 2-Chlorophenol              | 1.431 | 1.364 | 4.7    | 49#   | 0.00     |
| 9    | Benzaldehyde                | 1.105 | 1.044 | 5.5    | 49#   | 0.00     |
| 10 C | Phenol                      | 1.572 | 1.440 | 8.4    | 47#   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.242 | 1.118 | 10.0   | 48#   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.675 | 1.622 | 3.2    | 52    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.699 | 1.602 | 5.7    | 50    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.662 | 1.593 | 4.2    | 52    | 0.00     |
| 15   | Benzyl Alcohol              | 1.252 | 1.201 | 4.1    | 50    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.901 | 1.430 | 24.8   | 40#   | 0.00     |
| 17   | 2-Methylphenol              | 1.075 | 1.009 | 6.1    | 48#   | 0.00     |
| 18   | Hexachloroethane            | 0.734 | 0.814 | -10.9  | 57    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.149 | 1.049 | 8.7    | 46#   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.546 | 1.354 | 12.4   | 46#   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 49#   | 0.00     |
| 22   | Acetophenone                | 0.504 | 0.509 | -1.0   | 49#   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.430 | 0.480 | -11.6  | 52    | 0.00     |
| 24   | Nitrobenzene                | 0.433 | 0.450 | -3.9   | 48#   | -0.01    |
| 25   | Isophorone                  | 0.588 | 0.572 | 2.7    | 45#   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.181 | 0.185 | -2.2   | 50#   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.252 | 0.248 | 1.6    | 46#   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.382 | 0.345 | 9.7    | 42#   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.299 | 0.310 | -3.7   | 47#   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.363 | 0.392 | -8.0   | 52    | 0.00     |
| 31   | Naphthalene                 | 1.012 | 0.970 | 4.2    | 46#   | 0.00     |
| 32   | Benzoic acid                | 0.192 | 0.181 | 5.7    | 46#   | 0.00     |
| 33   | 4-Chloroaniline             | 0.413 | 0.397 | 3.9    | 44#   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.252 | 0.322 | -27.8# | 61    | -0.01    |
| 35   | Caprolactam                 | 0.083 | 0.077 | 7.2    | 44#   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.329 | 0.337 | -2.4   | 47#   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.678 | 0.666 | 1.8    | 46#   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 50#   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.681 | 0.782 | -14.8  | 57    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.278 | 0.202 | 27.3#  | 35#   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.254 | 0.239 | 5.9    | 47#   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.426 | 0.466 | -9.4   | 52    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.439 | 0.475 | -8.2   | 52    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.644 | 1.819 | -10.6  | 55    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081518\  
 Data File : BM016392.D  
 Acq On : 15 Aug 2018 22:15  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 16 00:56:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 15 11:23:48 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              | 1.805 | 1.760 | 2.5   | 48#   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.404 | 1.384 | 1.4   | 48#   | 0.00     |
| 47   | 2-Nitroaniline             | 0.464 | 0.462 | 0.4   | 48#   | 0.00     |
| 48   | Acenaphthylene             | 2.055 | 2.032 | 1.1   | 48#   | 0.00     |
| 49   | Dimethylphthalate          | 1.750 | 1.761 | -0.6  | 49#   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.352 | 0.345 | 2.0   | 47#   | 0.00     |
| 51 C | Acenaphthene               | 1.264 | 1.198 | 5.2   | 47#   | 0.00     |
| 52   | 3-Nitroaniline             | 0.380 | 0.338 | 11.1  | 43#   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.131 | 0.144 | -9.9  | 54    | 0.00     |
| 54   | Dibenzofuran               | 2.083 | 2.027 | 2.7   | 48#   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.273 | 0.198 | 27.5# | 35#   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.504 | 0.516 | -2.4  | 50#   | 0.00     |
| 57   | Fluorene                   | 1.548 | 1.519 | 1.9   | 48#   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.378 | 0.418 | -10.6 | 52    | 0.00     |
| 59   | Diethylphthalate           | 1.887 | 1.942 | -2.9  | 50#   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.862 | 0.925 | -7.3  | 53    | 0.00     |
| 61   | 4-Nitroaniline             | 0.365 | 0.317 | 13.2  | 43#   | 0.00     |
| 62   | Azobenzene                 | 1.987 | 2.249 | -13.2 | 54    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 49#   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.121 | 0.123 | -1.7  | 49#   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.659 | 0.665 | -0.9  | 49#   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.226 | 0.250 | -10.6 | 54    | 0.00     |
| 67   | Hexachlorobenzene          | 0.249 | 0.249 | 0.0   | 48#   | 0.00     |
| 68   | Atrazine                   | 0.236 | 0.244 | -3.4  | 49#   | 0.00     |
| 69 C | Pentachlorophenol          | 0.154 | 0.147 | 4.5   | 47#   | 0.00     |
| 70   | Phenanthrene               | 1.120 | 1.094 | 2.3   | 48#   | 0.00     |
| 71   | Anthracene                 | 1.088 | 1.093 | -0.5  | 49#   | 0.00     |
| 72   | Carbazole                  | 1.127 | 1.075 | 4.6   | 46#   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.405 | 1.477 | -5.1  | 50    | 0.00     |
| 74 C | Fluoranthene               | 1.249 | 1.293 | -3.5  | 51    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 56    | 0.00     |
| 76   | Benzidine                  | 0.559 | 0.475 | 15.0  | 45#   | 0.00     |
| 77   | Pyrene                     | 1.199 | 1.123 | 6.3   | 51    | 0.00     |
| 78 S | Terphenyl-d14              | 0.955 | 1.022 | -7.0  | 59    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.609 | 0.606 | 0.5   | 53    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.232 | 1.245 | -1.1  | 56    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.496 | 0.482 | 2.8   | 52    | 0.00     |
| 82   | Chrysene                   | 1.182 | 1.178 | 0.3   | 55    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.882 | 0.890 | -0.9  | 54    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.483 | 1.538 | -3.7  | 56    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.402 | 1.433 | -2.2  | 57    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 57    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.178 | 1.167 | 0.9   | 56    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081518\  
Data File : BM016392.D  
Acq On : 15 Aug 2018 22:15  
Operator : SJ/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 16 00:56:55 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 15 11:23:48 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   | 1.193 | 1.178 | 1.3  | 55    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.132 | 1.140 | -0.7 | 57    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.173 | 1.204 | -2.6 | 58    | -0.01    |
| 91   | Benzo(a,h,i)perylene   | 1.109 | 1.097 | 1.1  | 56    | 0.00     |

(#) = Out of Range

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