

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM053019\  
 Data File : BM020612.D  
 Acq On : 29 May 2019 23:28  
 Operator : JU/SJ  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDC0040

Quant Time: May 30 02:45:20 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 30 02:15:06 2019  
 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    | 73    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.533 | 0.711 | -33.4# | 96    | 0.00     |
| 3    | Pyridine                    | 1.511 | 1.801 | -19.2  | 82    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.378 | 0.394 | -4.2   | 78    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.019 | 1.108 | -8.7   | 78    | 0.00     |
| 6    | Aniline                     | 2.226 | 2.154 | 3.2    | 69    | 0.00     |
| 7 S  | Phenol-d6                   | 1.539 | 1.605 | -4.3   | 75    | 0.00     |
| 8    | 2-Chlorophenol              | 1.247 | 1.325 | -6.3   | 77    | 0.00     |
| 9    | Benzaldehyde                | 0.982 | 0.994 | -1.2   | 71    | 0.00     |
| 10 C | Phenol                      | 1.662 | 1.724 | -3.7   | 74    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.240 | 1.196 | 3.5    | 70    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.596 | 1.729 | -8.3   | 78    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.596 | 1.709 | -7.1   | 77    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.600 | 1.742 | -8.9   | 79    | 0.00     |
| 15   | Benzyl Alcohol              | 1.424 | 1.321 | 7.2    | 67    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 0.864 | 0.825 | 4.5    | 70    | 0.00     |
| 17   | 2-Methylphenol              | 1.097 | 1.054 | 3.9    | 70    | 0.00     |
| 18   | Hexachloroethane            | 0.646 | 0.741 | -14.7  | 83    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.366 | 1.304 | 4.5    | 68    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.471 | 1.398 | 5.0    | 68    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 65    | 0.00     |
| 22   | Acetophenone                | 0.551 | 0.566 | -2.7   | 67    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.476 | 0.535 | -12.4  | 74    | 0.00     |
| 24   | Nitrobenzene                | 0.471 | 0.517 | -9.8   | 72    | 0.00     |
| 25   | Isophorone                  | 0.887 | 0.944 | -6.4   | 70    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.174 | 0.169 | 2.9    | 63    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.259 | 0.256 | 1.2    | 66    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.462 | 0.452 | 2.2    | 64    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.344 | 0.370 | -7.6   | 71    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.470 | 0.544 | -15.7  | 77    | 0.00     |
| 31   | Naphthalene                 | 1.033 | 1.124 | -8.8   | 72    | 0.00     |
| 32   | Benzoic acid                | 0.154 | 0.078 | 49.4#  | 32#   | 0.02     |
| 33   | 4-Chloroaniline             | 0.412 | 0.419 | -1.7   | 66    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.350 | 0.455 | -30.0# | 86    | 0.00     |
| 35   | Caprolactam                 | 0.113 | 0.104 | 8.0    | 60    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.374 | 0.360 | 3.7    | 63    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.789 | 0.831 | -5.3   | 70    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.764 | 0.801 | -4.8   | 69    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 65    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.841 | 0.978 | -16.3  | 76    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.342 | 0.152 | 55.6#  | 29#   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.401 | 0.436 | -8.7   | 72    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.520 | 0.565 | -8.7   | 70    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.486 | 0.515 | -6.0   | 68    | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM053019\  
 Data File : BM020612.D  
 Acq On : 29 May 2019 23:28  
 Operator : JU/SJ  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDC0040

Quant Time: May 30 02:45:20 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 30 02:15:06 2019  
 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 S | 2-Fluorobiphenyl           | 1.594 | 1.756 | -10.2 | 73    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.540 | 1.645 | -6.8  | 70    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.306 | 1.434 | -9.8  | 72    | 0.00     |
| 48   | 2-Nitroaniline             | 0.384 | 0.355 | 7.6   | 60    | 0.00     |
| 49   | Acenaphthylene             | 1.986 | 2.059 | -3.7  | 69    | 0.00     |
| 50   | Dimethylphthalate          | 1.772 | 1.857 | -4.8  | 69    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.369 | 0.379 | -2.7  | 67    | 0.00     |
| 52 C | Acenaphthene               | 1.197 | 1.270 | -6.1  | 70    | 0.00     |
| 53   | 3-Nitroaniline             | 0.309 | 0.260 | 15.9  | 54    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.187 | 0.143 | 23.5  | 49#   | 0.00     |
| 55   | Dibenzofuran               | 2.071 | 2.233 | -7.8  | 71    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.199 | 0.201 | -1.0  | 64    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.533 | 0.515 | 3.4   | 63    | 0.00     |
| 58   | Fluorene                   | 1.720 | 1.785 | -3.8  | 68    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.565 | 0.605 | -7.1  | 70    | 0.00     |
| 60   | Diethylphthalate           | 1.745 | 1.795 | -2.9  | 68    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 1.098 | 1.187 | -8.1  | 72    | 0.00     |
| 62   | 4-Nitroaniline             | 0.310 | 0.248 | 20.0  | 54    | 0.00     |
| 63   | Azobenzene                 | 1.698 | 1.828 | -7.7  | 70    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 62    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.118 | 0.080 | 32.2# | 41#   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.542 | 0.582 | -7.4  | 67    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.266 | 0.298 | -12.0 | 69    | 0.00     |
| 68   | Hexachlorobenzene          | 0.323 | 0.384 | -18.9 | 75    | 0.00     |
| 69   | Atrazine                   | 0.223 | 0.217 | 2.7   | 58    | 0.00     |
| 70 C | Pentachlorophenol          | 0.167 | 0.182 | -9.0  | 66    | 0.00     |
| 71   | Phenanthrene               | 1.087 | 1.160 | -6.7  | 67    | 0.00     |
| 72   | Anthracene                 | 1.054 | 1.069 | -1.4  | 63    | 0.00     |
| 73   | Carbazole                  | 0.904 | 0.876 | 3.1   | 60    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.112 | 1.151 | -3.5  | 65    | 0.00     |
| 75 C | Fluoranthene               | 1.511 | 1.568 | -3.8  | 66    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 61    | 0.00     |
| 77   | Benzidine                  | 0.368 | 0.298 | 19.0  | 44#   | 0.00     |
| 78   | Pyrene                     | 1.256 | 1.393 | -10.9 | 67    | 0.00     |
| 79 S | Terphenyl-d14              | 1.106 | 1.225 | -10.8 | 67    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.441 | 0.419 | 5.0   | 57    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.384 | 1.459 | -5.4  | 65    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.505 | 0.476 | 5.7   | 58    | 0.00     |
| 83   | Chrysene                   | 1.338 | 1.433 | -7.1  | 66    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.643 | 0.632 | 1.7   | 61    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.118 | 1.091 | 2.4   | 61    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.617 | 1.802 | -11.4 | 78    | -0.02    |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 63    | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM053019\  
Data File : BM020612.D  
Acq On : 29 May 2019 23:28  
Operator : JU/SJ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTDCCC040

Quant Time: May 30 02:45:20 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 30 02:15:06 2019  
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(b)fluoranthene   | 1.309 | 1.342 | -2.5  | 66    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.270 | 1.423 | -12.0 | 69    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.205 | 1.290 | -7.1  | 68    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.233 | 1.373 | -11.4 | 76    | -0.01    |
| 92   | Benzo(q,h,i)perylene   | 1.143 | 1.313 | -14.9 | 80    | 0.00     |

(#) = Out of Range

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