

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031120\  
 Data File : BF119348.D  
 Acq On : 11 Mar 2020 15:39  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 11 17:26:10 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 06 23:38:46 2020  
 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  | 63    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.533 | 0.491 | 7.9  | 61    | -0.01    |
| 3    | Pyridine                    | 1.455 | 1.296 | 10.9 | 59    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.441 | 0.431 | 2.3  | 65    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.197 | 1.216 | -1.6 | 66    | 0.00     |
| 6    | Aniline                     | 1.796 | 1.788 | 0.4  | 64    | 0.00     |
| 7 S  | Phenol-d6                   | 1.455 | 1.462 | -0.5 | 65    | 0.00     |
| 8    | 2-Chlorophenol              | 1.292 | 1.302 | -0.8 | 65    | 0.00     |
| 9    | Benzaldehyde                | 0.972 | 0.798 | 17.9 | 53    | 0.00     |
| 10 C | Phenol                      | 1.574 | 1.548 | 1.7  | 64    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.204 | 1.202 | 0.2  | 66    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.548 | 1.543 | 0.3  | 66    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.549 | 1.575 | -1.7 | 66    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.413 | 1.440 | -1.9 | 66    | -0.01    |
| 15   | Benzyl Alcohol              | 1.052 | 1.109 | -5.4 | 67    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.043 | 1.028 | 1.4  | 65    | 0.00     |
| 17   | 2-Methylphenol              | 1.047 | 1.045 | 0.2  | 65    | 0.00     |
| 18   | Hexachloroethane            | 0.554 | 0.563 | -1.6 | 67    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 0.848 | 0.920 | -8.5 | 72    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.283 | 1.398 | -9.0 | 73    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 65    | -0.01    |
| 22   | Acetophenone                | 0.463 | 0.479 | -3.5 | 71    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.379 | 0.377 | 0.5  | 68    | 0.00     |
| 24   | Nitrobenzene                | 0.375 | 0.376 | -0.3 | 69    | 0.00     |
| 25   | Isophorone                  | 0.658 | 0.653 | 0.8  | 69    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.198 | 0.194 | 2.0  | 67    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.269 | 0.261 | 3.0  | 66    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.428 | 0.421 | 1.6  | 67    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.317 | 0.314 | 0.9  | 67    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.376 | 0.360 | 4.3  | 65    | 0.00     |
| 31   | Naphthalene                 | 1.037 | 1.022 | 1.4  | 67    | 0.00     |
| 32   | Benzoic acid                | 0.184 | 0.159 | 13.6 | 60    | 0.00     |
| 33   | 4-Chloroaniline             | 0.446 | 0.440 | 1.3  | 67    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.234 | 0.231 | 1.3  | 68    | 0.00     |
| 35   | Caprolactam                 | 0.098 | 0.096 | 2.0  | 66    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.321 | 0.333 | -3.7 | 71    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.698 | 0.690 | 1.1  | 67    | -0.01    |
| 38   | 1-Methylnaphthalene         | 0.656 | 0.650 | 0.9  | 67    | -0.01    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 66    | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.674 | 0.651 | 3.4  | 68    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.198 | 0.195 | 1.5  | 70    | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 0.262 | 0.249 | 5.0  | 67    | -0.01    |
| 43 C | 2,4,6-Trichlorophenol       | 0.426 | 0.389 | 8.7  | 64    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.447 | 0.373 | 16.6 | 58    | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031120\  
 Data File : BF119348.D  
 Acq On : 11 Mar 2020 15:39  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 11 17:26:10 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 06 23:38:46 2020  
 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           | 1.358 | 1.304 | 4.0   | 70    | -0.01    |
| 46   | 1,1'-Biphenyl              | 1.616 | 1.589 | 1.7   | 69    | -0.01    |
| 47   | 2-Chloronaphthalene        | 1.303 | 1.258 | 3.5   | 68    | 0.00     |
| 48   | 2-Nitroaniline             | 0.363 | 0.376 | -3.6  | 73    | 0.00     |
| 49   | Acenaphthylene             | 1.881 | 1.786 | 5.1   | 66    | 0.00     |
| 50   | Dimethylphthalate          | 1.529 | 1.485 | 2.9   | 69    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.340 | 0.324 | 4.7   | 67    | 0.00     |
| 52 C | Acenaphthene               | 1.134 | 1.117 | 1.5   | 69    | 0.00     |
| 53   | 3-Nitroaniline             | 0.377 | 0.363 | 3.7   | 67    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.140 | 0.129 | 7.9   | 64    | 0.00     |
| 55   | Dibenzofuran               | 1.693 | 1.636 | 3.4   | 67    | -0.01    |
| 56 P | 4-Nitrophenol              | 0.226 | 0.223 | 1.3   | 68    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.440 | 0.426 | 3.2   | 67    | 0.00     |
| 58   | Fluorene                   | 1.316 | 1.342 | -2.0  | 71    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.377 | 0.354 | 6.1   | 67    | 0.00     |
| 60   | Diethylphthalate           | 1.441 | 1.480 | -2.7  | 72    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 0.696 | 0.720 | -3.4  | 72    | 0.00     |
| 62   | 4-Nitroaniline             | 0.385 | 0.348 | 9.6   | 63    | 0.00     |
| 63   | Azobenzene                 | 1.253 | 1.299 | -3.7  | 73    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 68    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.121 | 0.115 | 5.0   | 69    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.655 | 0.631 | 3.7   | 69    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 0.261 | 0.251 | 3.8   | 70    | -0.01    |
| 68   | Hexachlorobenzene          | 0.301 | 0.291 | 3.3   | 70    | 0.00     |
| 69   | Atrazine                   | 0.229 | 0.202 | 11.8  | 64    | -0.01    |
| 70 C | Pentachlorophenol          | 0.121 | 0.121 | 0.0   | 73    | 0.00     |
| 71   | Phenanthrene               | 1.091 | 1.064 | 2.5   | 70    | 0.00     |
| 72   | Anthracene                 | 1.090 | 1.081 | 0.8   | 70    | 0.00     |
| 73   | Carbazole                  | 0.971 | 0.964 | 0.7   | 71    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.176 | 1.248 | -6.1  | 76    | -0.01    |
| 75 C | Fluoranthene               | 1.158 | 1.172 | -1.2  | 72    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 68    | 0.00     |
| 77   | Benzidine                  | 0.813 | 0.751 | 7.6   | 65    | 0.00     |
| 78   | Pyrene                     | 1.606 | 1.513 | 5.8   | 70    | 0.00     |
| 79 S | Terphenyl-d14              | 1.162 | 1.165 | -0.3  | 76    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.676 | 0.707 | -4.6  | 77    | -0.01    |
| 81   | Benzo(a)anthracene         | 1.363 | 1.376 | -1.0  | 73    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.529 | 0.535 | -1.1  | 70    | 0.00     |
| 83   | Chrysene                   | 1.358 | 1.345 | 1.0   | 72    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.854 | 0.994 | -16.4 | 84    | -0.01    |
| 85 c | Di-n-octyl phthalate       | 1.361 | 1.610 | -18.3 | 82    | -0.01    |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.315 | 1.146 | 12.9  | 49#   | 0.00     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 46#   | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031120\  
Data File : BF119348.D  
Acq On : 11 Mar 2020 15:39  
Operator : CG/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Mar 11 17:26:10 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 06 23:38:46 2020  
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   | 1.318 | 1.369 | -3.9 | 72    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.222 | 1.225 | -0.2 | 64    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.190 | 1.160 | 2.5  | 49#   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.047 | 0.980 | 6.4  | 49#   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 1.034 | 0.924 | 10.6 | 48#   | 0.00     |

(#) = Out of Range

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