

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF041520\  
 Data File : BF119982.D  
 Acq On : 15 Apr 2020 10:04  
 Operator : MA/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 15 11:03:11 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 15 11:01:23 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   | 120   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.515 | 0.508 | 1.4   | 117   | 0.00     |
| 3    | Pyridine                    | 1.414 | 1.365 | 3.5   | 119   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.723 | 0.643 | 11.1  | 110   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.157 | 1.132 | 2.2   | 120   | 0.00     |
| 6    | Aniline                     | 1.957 | 1.930 | 1.4   | 120   | 0.00     |
| 7 S  | Phenol-d6                   | 1.491 | 1.461 | 2.0   | 117   | 0.00     |
| 8    | 2-Chlorophenol              | 1.293 | 1.258 | 2.7   | 118   | 0.00     |
| 9    | Benzaldehyde                | 0.824 | 0.766 | 7.0   | 114   | 0.00     |
| 10 C | Phenol                      | 1.692 | 1.638 | 3.2   | 117   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.306 | 1.250 | 4.3   | 116   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.416 | 1.351 | 4.6   | 116   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.442 | 1.360 | 5.7   | 117   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.329 | 1.290 | 2.9   | 117   | 0.00     |
| 15   | Benzyl Alcohol              | 1.158 | 1.076 | 7.1   | 112   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.542 | 2.327 | 8.5   | 109   | 0.00     |
| 17   | 2-Methylphenol              | 1.154 | 1.114 | 3.5   | 116   | 0.00     |
| 18   | Hexachloroethane            | 0.539 | 0.523 | 3.0   | 117   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.959 | 0.908 | 5.3   | 111   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.411 | 1.361 | 3.5   | 112   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 122   | 0.00     |
| 22   | Acetophenone                | 0.468 | 0.430 | 8.1   | 112   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.387 | 0.355 | 8.3   | 115   | 0.00     |
| 24   | Nitrobenzene                | 0.389 | 0.360 | 7.5   | 116   | 0.00     |
| 25   | Isophorone                  | 0.745 | 0.680 | 8.7   | 108   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.194 | 0.183 | 5.7   | 108   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.293 | 0.273 | 6.8   | 111   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.439 | 0.415 | 5.5   | 118   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.300 | 0.281 | 6.3   | 117   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.340 | 0.313 | 7.9   | 116   | 0.00     |
| 31   | Naphthalene                 | 1.052 | 0.971 | 7.7   | 117   | 0.00     |
| 32   | Benzoic acid                | 0.257 | 0.232 | 9.7   | 113   | 0.00     |
| 33   | 4-Chloroaniline             | 0.458 | 0.424 | 7.4   | 119   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.204 | 0.183 | 10.3  | 112   | 0.00     |
| 35   | Caprolactam                 | 0.092 | 0.085 | 7.6   | 119   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.325 | 0.300 | 7.7   | 116   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.713 | 0.649 | 9.0   | 116   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.672 | 0.610 | 9.2   | 108   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 121   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.632 | 0.585 | 7.4   | 107   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.359 | 0.413 | -15.0 | 134   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.245 | 0.208 | 15.1  | 99    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.436 | 0.412 | 5.5   | 115   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.491 | 0.463 | 5.7   | 109   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF041520\  
 Data File : BF119982.D  
 Acq On : 15 Apr 2020 10:04  
 Operator : MA/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 15 11:03:11 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 15 11:01:23 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           | 1.409 | 1.300 | 7.7   | 108   | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.688 | 1.598 | 5.3   | 112   | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.300 | 1.227 | 5.6   | 114   | 0.00     |
| 48   | 2-Nitroaniline             | 0.471 | 0.438 | 7.0   | 115   | 0.00     |
| 49   | Acenaphthylene             | 1.978 | 1.879 | 5.0   | 115   | 0.00     |
| 50   | Dimethylphthalate          | 1.547 | 1.430 | 7.6   | 114   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.339 | 0.318 | 6.2   | 115   | 0.00     |
| 52 C | Acenaphthene               | 1.319 | 1.135 | 13.9  | 107   | 0.00     |
| 53   | 3-Nitroaniline             | 0.387 | 0.367 | 5.2   | 121   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.203 | 0.234 | -15.3 | 141   | 0.00     |
| 55   | Dibenzofuran               | 1.810 | 1.700 | 6.1   | 115   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.288 | 0.269 | 6.6   | 116   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.446 | 0.418 | 6.3   | 116   | 0.00     |
| 58   | Fluorene                   | 1.448 | 1.284 | 11.3  | 113   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.376 | 0.358 | 4.8   | 117   | 0.00     |
| 60   | Diethylphthalate           | 1.603 | 1.464 | 8.7   | 114   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.742 | 0.653 | 12.0  | 111   | 0.00     |
| 62   | 4-Nitroaniline             | 0.369 | 0.363 | 1.6   | 120   | 0.00     |
| 63   | Azobenzene                 | 1.437 | 1.367 | 4.9   | 116   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 123   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.132 | 0.125 | 5.3   | 116   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.665 | 0.628 | 5.6   | 118   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.249 | 0.221 | 11.2  | 108   | 0.00     |
| 68   | Hexachlorobenzene          | 0.252 | 0.224 | 11.1  | 109   | 0.00     |
| 69   | Atrazine                   | 0.185 | 0.163 | 11.9  | 104   | 0.00     |
| 70 C | Pentachlorophenol          | 0.145 | 0.130 | 10.3  | 106   | 0.00     |
| 71   | Phenanthrene               | 1.064 | 0.988 | 7.1   | 116   | 0.00     |
| 72   | Anthracene                 | 1.087 | 1.007 | 7.4   | 114   | 0.00     |
| 73   | Carbazole                  | 1.028 | 0.972 | 5.4   | 117   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.352 | 1.222 | 9.6   | 109   | 0.00     |
| 75 C | Fluoranthene               | 1.148 | 1.059 | 7.8   | 117   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 135   | 0.00     |
| 77   | Benzidine                  | 0.676 | 0.528 | 21.9  | 110   | 0.00     |
| 78   | Pyrene                     | 1.686 | 1.568 | 7.0   | 116   | 0.00     |
| 79 S | Terphenyl-d14              | 1.189 | 1.009 | 15.1  | 106   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.818 | 0.723 | 11.6  | 114   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.316 | 1.213 | 7.8   | 127   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.491 | 0.460 | 6.3   | 127   | 0.00     |
| 83   | Chrysene                   | 1.337 | 1.252 | 6.4   | 130   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 1.108 | 0.940 | 15.2  | 116   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.886 | 1.618 | 14.2  | 117   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.178 | 0.968 | 17.8  | 104   | -0.01    |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 127   | -0.01    |

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF041520\  
Data File : BF119982.D  
Acq On : 15 Apr 2020 10:04  
Operator : MA/SJ  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Apr 15 11:03:11 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 15 11:01:23 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   | 1.439 | 1.290 | 10.4 | 122   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.241 | 1.242 | -0.1 | 112   | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.210 | 1.144 | 5.5  | 121   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.072 | 0.949 | 11.5 | 102   | -0.01    |
| 92   | Benzo(q,h,i)perylene   | 1.058 | 0.922 | 12.9 | 105   | -0.01    |

(#) = Out of Range

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