

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\  
 Data File : BF120404.D  
 Acq On : 28 May 2020 13:15  
 Operator : MA/SJ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF052820

Quant Time: May 28 13:55:12 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 28 13:47:54 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   | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.520 | 0.496 | 4.6   | 102   | 0.00     |
| 3    | Pyridine                    | 1.440 | 1.134 | 21.3  | 84    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.609 | 0.580 | 4.8   | 102   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.049 | 0.992 | 5.4   | 100   | 0.00     |
| 6    | Aniline                     | 1.804 | 1.777 | 1.5   | 104   | 0.00     |
| 7 S  | Phenol-d6                   | 1.294 | 1.254 | 3.1   | 102   | 0.00     |
| 8    | 2-Chlorophenol              | 1.183 | 1.140 | 3.6   | 100   | 0.00     |
| 9    | Benzaldehyde                | 0.788 | 0.926 | -17.5 | 127   | 0.00     |
| 10 C | Phenol                      | 1.415 | 1.355 | 4.2   | 98    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.182 | 1.112 | 5.9   | 99    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.300 | 1.220 | 6.2   | 98    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.297 | 1.221 | 5.9   | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.198 | 1.140 | 4.8   | 99    | 0.00     |
| 15   | Benzyl Alcohol              | 0.975 | 0.943 | 3.3   | 100   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.864 | 1.703 | 8.6   | 96    | 0.00     |
| 17   | 2-Methylphenol              | 1.058 | 0.938 | 11.3  | 94    | 0.00     |
| 18   | Hexachloroethane            | 0.475 | 0.452 | 4.8   | 100   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.822 | 0.769 | 6.4   | 99    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.337 | 1.089 | 18.5  | 92    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 22   | Acetophenone                | 0.406 | 0.397 | 2.2   | 104   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.306 | 0.298 | 2.6   | 103   | 0.00     |
| 24   | Nitrobenzene                | 0.329 | 0.315 | 4.3   | 100   | 0.00     |
| 25   | Isophorone                  | 0.615 | 0.573 | 6.8   | 100   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.148 | 0.150 | -1.4  | 104   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.258 | 0.261 | -1.2  | 111   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.370 | 0.355 | 4.1   | 102   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.260 | 0.249 | 4.2   | 100   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.292 | 0.274 | 6.2   | 99    | 0.00     |
| 31   | Naphthalene                 | 0.878 | 0.835 | 4.9   | 100   | 0.00     |
| 32   | Benzoic acid                | 0.191 | 0.179 | 6.3   | 121   | 0.00     |
| 33   | 4-Chloroaniline             | 0.389 | 0.363 | 6.7   | 99    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.173 | 0.158 | 8.7   | 96    | 0.00     |
| 35   | Caprolactam                 | 0.084 | 0.082 | 2.4   | 102   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.264 | 0.254 | 3.8   | 101   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.582 | 0.569 | 2.2   | 103   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.549 | 0.536 | 2.4   | 103   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 110   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.513 | 0.516 | -0.6  | 108   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.286 | 0.306 | -7.0  | 112   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.185 | 0.181 | 2.2   | 103   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.371 | 0.352 | 5.1   | 101   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.420 | 0.365 | 13.1  | 93    | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\  
 Data File : BF120404.D  
 Acq On : 28 May 2020 13:15  
 Operator : MA/SJ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF052820

Quant Time: May 28 13:55:12 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 28 13:47:54 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           | 1.179 | 1.020 | 13.5  | 102   | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.314 | 1.341 | -2.1  | 108   | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.082 | 1.008 | 6.8   | 99    | 0.00     |
| 48   | 2-Nitroaniline             | 0.330 | 0.312 | 5.5   | 100   | 0.00     |
| 49   | Acenaphthylene             | 1.672 | 1.618 | 3.2   | 103   | 0.00     |
| 50   | Dimethylphthalate          | 1.250 | 1.161 | 7.1   | 100   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.278 | 0.265 | 4.7   | 101   | 0.00     |
| 52 C | Acenaphthene               | 1.043 | 0.969 | 7.1   | 99    | 0.00     |
| 53   | 3-Nitroaniline             | 0.326 | 0.293 | 10.1  | 95    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.094 | 0.088 | 6.4   | 99    | 0.00     |
| 55   | Dibenzofuran               | 1.516 | 1.434 | 5.4   | 101   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.250 | 0.238 | 4.8   | 100   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.356 | 0.347 | 2.5   | 103   | 0.00     |
| 58   | Fluorene                   | 1.138 | 1.025 | 9.9   | 100   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.328 | 0.311 | 5.2   | 99    | 0.00     |
| 60   | Diethylphthalate           | 1.264 | 1.184 | 6.3   | 100   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.617 | 0.519 | 15.9  | 98    | 0.00     |
| 62   | 4-Nitroaniline             | 0.308 | 0.286 | 7.1   | 98    | 0.00     |
| 63   | Azobenzene                 | 1.188 | 1.121 | 5.6   | 101   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.073 | 0.074 | -1.4  | 107   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.556 | 0.529 | 4.9   | 101   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.202 | 0.185 | 8.4   | 97    | 0.00     |
| 68   | Hexachlorobenzene          | 0.215 | 0.202 | 6.0   | 100   | 0.00     |
| 69   | Atrazine                   | 0.157 | 0.161 | -2.5  | 107   | 0.00     |
| 70 C | Pentachlorophenol          | 0.131 | 0.127 | 3.1   | 99    | 0.00     |
| 71   | Phenanthrene               | 0.881 | 0.838 | 4.9   | 101   | 0.00     |
| 72   | Anthracene                 | 0.884 | 0.869 | 1.7   | 103   | 0.00     |
| 73   | Carbazole                  | 0.855 | 0.801 | 6.3   | 98    | 0.00     |
| 74   | Di-n-butylphthalate        | 0.995 | 0.950 | 4.5   | 99    | 0.00     |
| 75 C | Fluoranthene               | 0.948 | 0.921 | 2.8   | 102   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 110   | 0.00     |
| 77   | Benzidine                  | 0.525 | 0.614 | -17.0 | 119   | 0.00     |
| 78   | Pyrene                     | 1.391 | 1.298 | 6.7   | 101   | 0.00     |
| 79 S | Terphenyl-d14              | 0.899 | 0.828 | 7.9   | 101   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.581 | 0.545 | 6.2   | 100   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.072 | 1.013 | 5.5   | 101   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.389 | 0.406 | -4.4  | 108   | 0.00     |
| 83   | Chrysene                   | 1.124 | 1.056 | 6.0   | 101   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.682 | 0.648 | 5.0   | 101   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.179 | 1.137 | 3.6   | 101   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 112   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.094 | 0.958 | 12.4  | 101   | 0.00     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\  
Data File : BF120404.D  
Acq On : 28 May 2020 13:15  
Operator : MA/SJ  
Sample : SSTDICV040  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF052820

Quant Time: May 28 13:55:12 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 28 13:47:54 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   | 1.111 | 1.055 | 5.0  | 102   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.037 | 0.961 | 7.3  | 100   | 0.00     |
| 90 C | Benzo(a)pyrene         | 0.972 | 0.884 | 9.1  | 99    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 0.892 | 0.798 | 10.5 | 102   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 0.880 | 0.778 | 11.6 | 103   | 0.00     |

(#) = Out of Range

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