

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051920\  
 Data File : BF120358.D  
 Acq On : 19 May 2020 12:40  
 Operator : MA/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 19 13:19:43 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 19 13:17:29 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) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 74    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.409 | 0.440 | -7.6  | 98    | 0.00     |
| 3    | Pyridine                    | 1.285 | 1.466 | -14.1 | 88    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.503 | 0.590 | -17.3 | 89    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.028 | 1.113 | -8.3  | 80    | 0.00     |
| 6    | Aniline                     | 1.662 | 1.752 | -5.4  | 78    | 0.00     |
| 7 S  | Phenol-d6                   | 1.300 | 1.368 | -5.2  | 79    | 0.00     |
| 8    | 2-Chlorophenol              | 1.199 | 1.237 | -3.2  | 77    | 0.00     |
| 9    | Benzaldehyde                | 0.801 | 0.824 | -2.9  | 74    | 0.00     |
| 10 C | Phenol                      | 1.517 | 1.601 | -5.5  | 78    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.212 | 1.200 | 1.0   | 76    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.282 | 1.322 | -3.1  | 76    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.321 | 1.362 | -3.1  | 73    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.189 | 1.238 | -4.1  | 71    | 0.00     |
| 15   | Benzyl Alcohol              | 0.923 | 1.010 | -9.4  | 75    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.910 | 2.127 | -11.4 | 77    | 0.00     |
| 17   | 2-Methylphenol              | 1.012 | 1.052 | -4.0  | 70    | 0.00     |
| 18   | Hexachloroethane            | 0.503 | 0.507 | -0.8  | 70    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.852 | 0.866 | -1.6  | 71    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.315 | 1.390 | -5.7  | 70    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 68    | 0.00     |
| 22   | Acetophenone                | 0.410 | 0.435 | -6.1  | 71    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.292 | 0.321 | -9.9  | 71    | 0.00     |
| 24   | Nitrobenzene                | 0.314 | 0.332 | -5.7  | 69    | 0.00     |
| 25   | Isophorone                  | 0.608 | 0.623 | -2.5  | 69    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.164 | 0.174 | -6.1  | 69    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.239 | 0.248 | -3.8  | 68    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.382 | 0.388 | -1.6  | 68    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.246 | 0.255 | -3.7  | 69    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.272 | 0.279 | -2.6  | 69    | 0.00     |
| 31   | Naphthalene                 | 0.844 | 0.891 | -5.6  | 71    | 0.00     |
| 32   | Benzoic acid                | 0.157 | 0.162 | -3.2  | 65    | 0.00     |
| 33   | 4-Chloroaniline             | 0.385 | 0.383 | 0.5   | 66    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.157 | 0.162 | -3.2  | 70    | 0.00     |
| 35   | Caprolactam                 | 0.080 | 0.082 | -2.5  | 68    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.266 | 0.272 | -2.3  | 70    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.578 | 0.583 | -0.9  | 69    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.560 | 0.556 | 0.7   | 68    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 73    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.504 | 0.520 | -3.2  | 68    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.178 | 0.200 | -12.4 | 71    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.163 | 0.175 | -7.4  | 73    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.339 | 0.359 | -5.9  | 68    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.389 | 0.403 | -3.6  | 68    | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 0.973 | 1.135 | -16.6 | 75    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.310 | 1.375 | -5.0  | 69    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.051 | 1.099 | -4.6  | 69    | 0.00     |
| 48   | 2-Nitroaniline             | 0.384 | 0.406 | -5.7  | 72    | 0.00     |
| 49   | Acenaphthylene             | 1.606 | 1.686 | -5.0  | 71    | 0.00     |
| 50   | Dimethylphthalate          | 1.264 | 1.279 | -1.2  | 70    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.282 | 0.283 | -0.4  | 67    | 0.00     |
| 52 C | Acenaphthene               | 0.962 | 1.027 | -6.8  | 75    | 0.00     |
| 53   | 3-Nitroaniline             | 0.336 | 0.338 | -0.6  | 71    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.133 | 0.139 | -4.5  | 75    | 0.00     |
| 55   | Dibenzofuran               | 1.386 | 1.479 | -6.7  | 75    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.181 | 0.183 | -1.1  | 69    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.331 | 0.358 | -8.2  | 76    | 0.00     |
| 58   | Fluorene                   | 1.056 | 1.162 | -10.0 | 75    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.293 | 0.313 | -6.8  | 74    | 0.00     |
| 60   | Diethylphthalate           | 1.221 | 1.297 | -6.2  | 74    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.549 | 0.576 | -4.9  | 75    | 0.00     |
| 62   | 4-Nitroaniline             | 0.313 | 0.333 | -6.4  | 73    | 0.00     |
| 63   | Azobenzene                 | 1.154 | 1.227 | -6.3  | 72    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 72    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.101 | 0.114 | -12.9 | 75    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.553 | 0.582 | -5.2  | 73    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.194 | 0.199 | -2.6  | 71    | 0.00     |
| 68   | Hexachlorobenzene          | 0.203 | 0.206 | -1.5  | 72    | 0.00     |
| 69   | Atrazine                   | 0.166 | 0.165 | 0.6   | 70    | 0.00     |
| 70 C | Pentachlorophenol          | 0.086 | 0.089 | -3.5  | 68    | 0.00     |
| 71   | Phenanthrene               | 0.840 | 0.905 | -7.7  | 76    | 0.00     |
| 72   | Anthracene                 | 0.900 | 0.957 | -6.3  | 74    | 0.00     |
| 73   | Carbazole                  | 0.841 | 0.917 | -9.0  | 76    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.013 | 1.115 | -10.1 | 75    | 0.00     |
| 75 C | Fluoranthene               | 0.901 | 1.007 | -11.8 | 76    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 65    | 0.00     |
| 77   | Benzidine                  | 0.584 | 0.604 | -3.4  | 67    | 0.00     |
| 78   | Pyrene                     | 1.426 | 1.505 | -5.5  | 68    | 0.00     |
| 79 S | Terphenyl-d14              | 0.905 | 0.989 | -9.3  | 73    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.671 | 0.697 | -3.9  | 67    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.055 | 1.118 | -6.0  | 69    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.398 | 0.430 | -8.0  | 66    | 0.00     |
| 83   | Chrysene                   | 1.133 | 1.143 | -0.9  | 65    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.835 | 0.860 | -3.0  | 68    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.503 | 1.667 | -10.9 | 70    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.028 | 0.934 | 9.1   | 60    | 0.00     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 61    | 0.00     |

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|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.092 | 1.149 | -5.2  | 60    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 0.946 | 1.088 | -15.0 | 71    | 0.00     |
| 90 C | Benzo(a)pyrene         | 0.980 | 1.006 | -2.7  | 62    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 0.868 | 0.852 | 1.8   | 60    | 0.00     |
| 92   | Benzo(g,h,i)perylene   | 0.875 | 0.795 | 9.1   | 57    | 0.00     |

(#) = Out of Range

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