

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062623\  
 Data File : BF133969.D  
 Acq On : 27 Jun 2023 01:59  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 27 06:02:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 26 23:12:04 2023  
 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                 | 0.493 | 0.573 | -16.2 | 86    | -0.01    |
| 3    | Pyridine                    | 1.284 | 1.349 | -5.1  | 78    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.733 | 0.814 | -11.1 | 81    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.196 | 1.259 | -5.3  | 79    | 0.00     |
| 6    | Aniline                     | 1.789 | 1.748 | 2.3   | 72    | 0.00     |
| 7 S  | Phenol-d6                   | 1.470 | 1.416 | 3.7   | 74    | 0.00     |
| 8    | 2-Chlorophenol              | 1.214 | 1.205 | 0.7   | 75    | 0.00     |
| 9    | Benzaldehyde                | 0.886 | 0.816 | 7.9   | 75    | 0.00     |
| 10 C | Phenol                      | 1.546 | 1.484 | 4.0   | 73    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.138 | 1.125 | 1.1   | 74    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.294 | 1.312 | -1.4  | 77    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.307 | 1.320 | -1.0  | 76    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.224 | 1.194 | 2.5   | 75    | 0.00     |
| 15   | Benzyl Alcohol              | 1.134 | 1.100 | 3.0   | 71    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.014 | 1.944 | 3.5   | 73    | 0.00     |
| 17   | 2-Methylphenol              | 1.087 | 1.002 | 7.8   | 69    | 0.00     |
| 18   | Hexachloroethane            | 0.485 | 0.421 | 13.2  | 65    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.932 | 0.845 | 9.3   | 70    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.319 | 1.209 | 8.3   | 69    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 65    | 0.00     |
| 22   | Acetophenone                | 0.455 | 0.485 | -6.6  | 71    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.371 | 0.396 | -6.7  | 69    | 0.00     |
| 24   | Nitrobenzene                | 0.375 | 0.398 | -6.1  | 68    | 0.00     |
| 25   | Isophorone                  | 0.674 | 0.679 | -0.7  | 66    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.180 | 0.142 | 21.1# | 50#   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.285 | 0.290 | -1.8  | 66    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.390 | 0.403 | -3.3  | 66    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.282 | 0.266 | 5.7   | 61    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.291 | 0.299 | -2.7  | 66    | 0.00     |
| 31   | Naphthalene                 | 0.966 | 0.969 | -0.3  | 66    | 0.00     |
| 32   | Benzoic acid                | 0.213 | 0.113 | 46.9# | 32#   | -0.05    |
| 33   | 4-Chloroaniline             | 0.413 | 0.386 | 6.5   | 60    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.184 | 0.198 | -7.6  | 70    | 0.00     |
| 35   | Caprolactam                 | 0.093 | 0.075 | 19.4  | 52    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.317 | 0.281 | 11.4  | 57    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.683 | 0.628 | 8.1   | 61    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.635 | 0.575 | 9.4   | 60    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 53    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.593 | 0.672 | -13.3 | 61    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.281 | 0.076 | 73.0# | 14#   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.251 | 0.262 | -4.4  | 56    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.403 | 0.429 | -6.5  | 57    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.474 | 0.499 | -5.3  | 56    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.376 | 1.549 | -12.6 | 62    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.604 | 1.738 | -8.4  | 59    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.174 | 1.245 | -6.0  | 58    | 0.00     |

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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) |
|------|----------------------------|-------|--------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 0.428 | 0.459  | -7.2   | 57    | 0.00     |
| 49   | Acenaphthylene             | 2.005 | 2.068  | -3.1   | 56    | 0.00     |
| 50   | Dimethylphthalate          | 1.452 | 1.543  | -6.3   | 58    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.313 | 0.303  | 3.2    | 51    | 0.00     |
| 52 C | Acenaphthene               | 1.164 | 1.205  | -3.5   | 56    | 0.00     |
| 53   | 3-Nitroaniline             | 0.375 | 0.397  | -5.9   | 57    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.162 | 0.011# | 93.2#  | 4#    | 0.00     |
| 55   | Dibenzofuran               | 1.818 | 1.875  | -3.1   | 56    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.262 | 0.241  | 8.0    | 48#   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.413 | 0.381  | 7.7    | 49#   | 0.00     |
| 58   | Fluorene                   | 1.415 | 1.442  | -1.9   | 56    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.374 | 0.380  | -1.6   | 55    | 0.00     |
| 60   | Diethylphthalate           | 1.513 | 1.584  | -4.7   | 57    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.682 | 0.700  | -2.6   | 56    | 0.00     |
| 62   | 4-Nitroaniline             | 0.378 | 0.398  | -5.3   | 56    | 0.00     |
| 63   | Azobenzene                 | 1.431 | 1.455  | -1.7   | 55    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000  | 0.0    | 55    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.109 | 0.014  | 87.2#  | 7#    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.639 | 0.629  | 1.6    | 55    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.213 | 0.211  | 0.9    | 54    | 0.00     |
| 68   | Hexachlorobenzene          | 0.226 | 0.224  | 0.9    | 56    | 0.00     |
| 69   | Atrazine                   | 0.177 | 0.164  | 7.3    | 54    | 0.00     |
| 70 C | Pentachlorophenol          | 0.135 | 0.111  | 17.8   | 43#   | 0.00     |
| 71   | Phenanthrene               | 1.007 | 1.029  | -2.2   | 58    | 0.00     |
| 72   | Anthracene                 | 1.047 | 1.073  | -2.5   | 58    | 0.00     |
| 73   | Carbazole                  | 0.959 | 1.011  | -5.4   | 59    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.140 | 1.237  | -8.5   | 60    | 0.00     |
| 75 C | Fluoranthene               | 1.088 | 1.222  | -12.3  | 64    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000  | 0.0    | 69    | 0.00     |
| 77   | Benzydine                  | 0.476 | 0.589  | -23.7  | 80    | 0.00     |
| 78   | Pyrene                     | 1.861 | 1.796  | 3.5    | 64    | 0.00     |
| 79 S | Terphenyl-d14              | 1.243 | 1.265  | -1.8   | 69    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.698 | 0.825  | -18.2  | 79    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.387 | 1.388  | -0.1   | 70    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.439 | 0.477  | -8.7   | 77    | 0.00     |
| 83   | Chrysene                   | 1.343 | 1.323  | 1.5    | 69    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.802 | 1.109  | -38.3# | 94    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.179 | 1.699  | -44.1# | 98    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000  | 0.0    | 64    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.388 | 1.180  | 15.0   | 50#   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.176 | 1.270  | -8.0   | 69    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.197 | 1.253  | -4.7   | 69    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.137 | 1.162  | -2.2   | 66    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.134 | 1.001  | 11.7   | 52    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.169 | 0.908  | 22.3   | 46#   | 0.00     |

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| Compound | AvgRF | CCRF | %Dev Area | % Dev(min) |
|----------|-------|------|-----------|------------|
|----------|-------|------|-----------|------------|

(#) = Out of Range

SPCC's out = 1 CCC's out = 2