

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110623\  
 Data File : BF136165.D  
 Acq On : 06 Nov 2023 21:01  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 06 23:31:59 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 06 00:53:35 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   | 45#   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.554 | 0.487 | 12.1  | 40#   | 0.00     |
| 3    | Pyridine                    | 1.513 | 1.328 | 12.2  | 40#   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.632 | 0.624 | 1.3   | 45#   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.273 | 1.254 | 1.5   | 46#   | 0.00     |
| 6    | Aniline                     | 2.053 | 1.889 | 8.0   | 43#   | 0.00     |
| 7 S  | Phenol-d6                   | 1.586 | 1.496 | 5.7   | 43#   | 0.00     |
| 8    | 2-Chlorophenol              | 1.361 | 1.306 | 4.0   | 44#   | 0.00     |
| 9    | Benzaldehyde                | 0.884 | 0.850 | 3.8   | 45#   | 0.00     |
| 10 C | Phenol                      | 1.640 | 1.553 | 5.3   | 43#   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.284 | 1.183 | 7.9   | 43#   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.416 | 1.376 | 2.8   | 45#   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.419 | 1.396 | 1.6   | 45#   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.327 | 1.300 | 2.0   | 45#   | 0.00     |
| 15   | Benzyl Alcohol              | 1.124 | 1.140 | -1.4  | 46#   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.767 | 1.559 | 11.8  | 41#   | 0.00     |
| 17   | 2-Methylphenol              | 1.154 | 1.094 | 5.2   | 44#   | 0.00     |
| 18   | Hexachloroethane            | 0.499 | 0.496 | 0.6   | 46#   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.906 | 0.857 | 5.4   | 44#   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.408 | 1.360 | 3.4   | 45#   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 42#   | 0.00     |
| 22   | Acetophenone                | 0.443 | 0.484 | -9.3  | 46#   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.332 | 0.374 | -12.7 | 47#   | 0.00     |
| 24   | Nitrobenzene                | 0.336 | 0.369 | -9.8  | 45#   | 0.00     |
| 25   | Isophorone                  | 0.626 | 0.639 | -2.1  | 43#   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.153 | 0.181 | -18.3 | 46#   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.289 | 0.299 | -3.5  | 43#   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.384 | 0.380 | 1.0   | 42#   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.273 | 0.286 | -4.8  | 43#   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.298 | 0.321 | -7.7  | 45#   | 0.00     |
| 31   | Naphthalene                 | 0.964 | 1.011 | -4.9  | 44#   | 0.00     |
| 32   | Benzoic acid                | 0.213 | 0.197 | 7.5   | 37#   | -0.01    |
| 33   | 4-Chloroaniline             | 0.422 | 0.427 | -1.2  | 42#   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.171 | 0.195 | -14.0 | 48#   | 0.00     |
| 35   | Caprolactam                 | 0.089 | 0.085 | 4.5   | 39#   | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.286 | 0.302 | -5.6  | 44#   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.647 | 0.675 | -4.3  | 44#   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.602 | 0.625 | -3.8  | 43#   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 40#   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.570 | 0.650 | -14.0 | 45#   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.305 | 0.210 | 31.1# | 26#   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.213 | 0.208 | 2.3   | 38#   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.372 | 0.396 | -6.5  | 41#   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.431 | 0.456 | -5.8  | 41#   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.255 | 1.468 | -17.0 | 48#   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.525 | 1.685 | -10.5 | 44#   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.124 | 1.222 | -8.7  | 43#   | 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             | 0.333 | 0.375 | -12.6 | 42#   | 0.00     |
| 49   | Acenaphthylene             | 1.753 | 1.849 | -5.5  | 41#   | 0.00     |
| 50   | Dimethylphthalate          | 1.319 | 1.485 | -12.6 | 45#   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.282 | 0.304 | -7.8  | 40#   | 0.00     |
| 52 C | Acenaphthene               | 1.115 | 1.161 | -4.1  | 41#   | 0.00     |
| 53   | 3-Nitroaniline             | 0.329 | 0.341 | -3.6  | 39#   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.123 | 0.084 | 31.7# | 26#   | 0.00     |
| 55   | Dibenzofuran               | 1.625 | 1.706 | -5.0  | 41#   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.246 | 0.218 | 11.4  | 33#   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.357 | 0.385 | -7.8  | 40#   | 0.00     |
| 58   | Fluorene                   | 1.217 | 1.274 | -4.7  | 42#   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.342 | 0.329 | 3.8   | 37#   | 0.00     |
| 60   | Diethylphthalate           | 1.260 | 1.382 | -9.7  | 43#   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.607 | 0.657 | -8.2  | 43#   | 0.00     |
| 62   | 4-Nitroaniline             | 0.317 | 0.305 | 3.8   | 36#   | 0.00     |
| 63   | Azobenzene                 | 1.214 | 1.216 | -0.2  | 39#   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 34#   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.099 | 0.085 | 14.1  | 27#   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.603 | 0.721 | -19.6 | 40#   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.210 | 0.247 | -17.6 | 38#   | 0.00     |
| 68   | Hexachlorobenzene          | 0.224 | 0.248 | -10.7 | 36#   | 0.00     |
| 69   | Atrazine                   | 0.164 | 0.170 | -3.7  | 35#   | 0.00     |
| 70 C | Pentachlorophenol          | 0.144 | 0.145 | -0.7  | 32#   | 0.00     |
| 71   | Phenanthrene               | 1.007 | 1.093 | -8.5  | 36#   | 0.00     |
| 72   | Anthracene                 | 1.032 | 1.098 | -6.4  | 35#   | 0.00     |
| 73   | Carbazole                  | 0.897 | 0.928 | -3.5  | 34#   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.025 | 1.164 | -13.6 | 37#   | 0.00     |
| 75 C | Fluoranthene               | 1.035 | 1.095 | -5.8  | 35#   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 48#   | 0.00     |
| 77   | Benzidine                  | 0.390 | 0.425 | -9.0  | 43#   | 0.00     |
| 78   | Pyrene                     | 1.763 | 1.414 | 19.8  | 36#   | 0.00     |
| 79 S | Terphenyl-d14              | 1.287 | 1.070 | 16.9  | 37#   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.631 | 0.542 | 14.1  | 38#   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.324 | 1.372 | -3.6  | 47#   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.423 | 0.487 | -15.1 | 51    | 0.00     |
| 83   | Chrysene                   | 1.304 | 1.330 | -2.0  | 47#   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.735 | 0.703 | 4.4   | 43#   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.102 | 1.294 | -17.4 | 53    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 52    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.307 | 0.962 | 26.4# | 35#   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.183 | 1.305 | -10.3 | 58    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.171 | 1.258 | -7.4  | 56    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.100 | 1.153 | -4.8  | 54    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.071 | 0.811 | 24.3  | 36#   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.105 | 0.728 | 34.1# | 31#   | 0.00     |

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

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

(#) = Out of Range

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