

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122221\  
 Data File : BF126322.D  
 Acq On : 22 Dec 2021 11:10  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 22 13:01:16 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 22 13:00:11 2021  
 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   | 58    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.663 | 0.743 | -12.1 | 61    | 0.00     |
| 3    | Pyridine                    | 1.761 | 1.928 | -9.5  | 59    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.677 | 0.712 | -5.2  | 57    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.358 | 1.483 | -9.2  | 61    | 0.00     |
| 6    | Aniline                     | 2.190 | 2.312 | -5.6  | 57    | 0.00     |
| 7 S  | Phenol-d6                   | 1.724 | 1.882 | -9.2  | 61    | 0.00     |
| 8    | 2-Chlorophenol              | 1.377 | 1.494 | -8.5  | 60    | 0.00     |
| 9    | Benzaldehyde                | 1.041 | 1.008 | 3.2   | 56    | 0.00     |
| 10 C | Phenol                      | 1.936 | 2.099 | -8.4  | 60    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.503 | 1.601 | -6.5  | 58    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.389 | 1.528 | -10.0 | 61    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.403 | 1.512 | -7.8  | 60    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.297 | 1.406 | -8.4  | 61    | 0.00     |
| 15   | Benzyl Alcohol              | 1.259 | 1.270 | -0.9  | 55    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.459 | 2.623 | -6.7  | 58    | 0.00     |
| 17   | 2-Methylphenol              | 1.206 | 1.278 | -6.0  | 58    | 0.00     |
| 18   | Hexachloroethane            | 0.552 | 0.595 | -7.8  | 58    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.059 | 1.066 | -0.7  | 56    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.426 | 1.484 | -4.1  | 59    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 59    | 0.00     |
| 22   | Acetophenone                | 0.460 | 0.471 | -2.4  | 59    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.369 | 0.388 | -5.1  | 58    | 0.00     |
| 24   | Nitrobenzene                | 0.369 | 0.387 | -4.9  | 58    | 0.00     |
| 25   | Isophorone                  | 0.697 | 0.701 | -0.6  | 57    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.166 | 0.188 | -13.3 | 60    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.282 | 0.292 | -3.5  | 58    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.458 | 0.479 | -4.6  | 59    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.251 | 0.269 | -7.2  | 59    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.259 | 0.273 | -5.4  | 60    | 0.00     |
| 31   | Naphthalene                 | 0.935 | 0.998 | -6.7  | 61    | 0.00     |
| 32   | Benzoic acid                | 0.243 | 0.193 | 20.6  | 42#   | 0.00     |
| 33   | 4-Chloroaniline             | 0.391 | 0.416 | -6.4  | 60    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.127 | 0.138 | -8.7  | 60    | 0.00     |
| 35   | Caprolactam                 | 0.062 | 0.065 | -4.8  | 58    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.296 | 0.321 | -8.4  | 60    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.576 | 0.607 | -5.4  | 60    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.559 | 0.593 | -6.1  | 61    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 60    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.432 | 0.465 | -7.6  | 62    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.247 | 0.229 | 7.3   | 50    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.161 | 0.180 | -11.8 | 64    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.340 | 0.347 | -2.1  | 57    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.352 | 0.372 | -5.7  | 61    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.140 | 1.114 | 2.3   | 63    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.479 | 1.546 | -4.5  | 61    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.113 | 1.159 | -4.1  | 61    | 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             | 0.406 | 0.427 | -5.2  | 58    | 0.00     |
| 49   | Acenaphthylene             | 1.700 | 1.804 | -6.1  | 62    | 0.00     |
| 50   | Dimethylphthalate          | 1.267 | 1.323 | -4.4  | 61    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.274 | 0.287 | -4.7  | 59    | 0.00     |
| 52 C | Acenaphthene               | 1.103 | 1.166 | -5.7  | 62    | 0.00     |
| 53   | 3-Nitroaniline             | 0.349 | 0.365 | -4.6  | 59    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.113 | 0.124 | -9.7  | 59    | 0.00     |
| 55   | Dibenzofuran               | 1.501 | 1.583 | -5.5  | 62    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.252 | 0.242 | 4.0   | 51    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.350 | 0.372 | -6.3  | 60    | 0.00     |
| 58   | Fluorene                   | 1.087 | 1.087 | 0.0   | 64    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.261 | 0.283 | -8.4  | 61    | 0.00     |
| 60   | Diethylphthalate           | 1.273 | 1.302 | -2.3  | 59    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.489 | 0.493 | -0.8  | 64    | 0.00     |
| 62   | 4-Nitroaniline             | 0.292 | 0.309 | -5.8  | 58    | 0.00     |
| 63   | Azobenzene                 | 1.542 | 1.576 | -2.2  | 59    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 59    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.109 | 0.122 | -11.9 | 59    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.642 | 0.685 | -6.7  | 62    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.188 | 0.205 | -9.0  | 62    | 0.00     |
| 68   | Hexachlorobenzene          | 0.216 | 0.236 | -9.3  | 62    | 0.00     |
| 69   | Atrazine                   | 0.118 | 0.131 | -11.0 | 59    | 0.00     |
| 70 C | Pentachlorophenol          | 0.120 | 0.120 | 0.0   | 53    | 0.00     |
| 71   | Phenanthrene               | 1.032 | 1.084 | -5.0  | 62    | 0.00     |
| 72   | Anthracene                 | 1.036 | 1.094 | -5.6  | 61    | 0.00     |
| 73   | Carbazole                  | 0.976 | 1.021 | -4.6  | 60    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.237 | 1.296 | -4.8  | 61    | 0.00     |
| 75 C | Fluoranthene               | 0.930 | 0.968 | -4.1  | 60    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 62    | 0.00     |
| 77   | Benzidine                  | 0.315 | 0.214 | 32.1# | 40#   | 0.00     |
| 78   | Pyrene                     | 1.837 | 1.883 | -2.5  | 59    | 0.00     |
| 79 S | Terphenyl-d14              | 1.151 | 1.168 | -1.5  | 62    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.865 | 0.901 | -4.2  | 58    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.185 | 1.223 | -3.2  | 60    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.541 | 0.622 | -15.0 | 65    | 0.00     |
| 83   | Chrysene                   | 1.231 | 1.270 | -3.2  | 59    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.966 | 1.027 | -6.3  | 61    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.722 | 1.891 | -9.8  | 60    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 67    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.334 | 1.558 | -16.8 | 71    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.202 | 1.242 | -3.3  | 63    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.150 | 1.167 | -1.5  | 65    | 0.00     |
| 90 C | Benzo(a)pyrene             | 0.999 | 1.096 | -9.7  | 68    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.084 | 1.274 | -17.5 | 71    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.122 | 1.280 | -14.1 | 70    | 0.00     |

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

(#) = Out of Range

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