

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092823\  
 Data File : BF135487.D  
 Acq On : 28 Sep 2023 11:55  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 29 00:15:34 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 28 19:03:19 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   | 157#  | 0.00     |
| 2    | 1,4-Dioxane                 | 0.539 | 0.605 | -12.2 | 177#  | 0.00     |
| 3    | Pyridine                    | 1.451 | 1.713 | -18.1 | 180#  | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.770 | 0.833 | -8.2  | 166#  | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.230 | 1.255 | -2.0  | 160#  | 0.00     |
| 6    | Aniline                     | 2.050 | 2.036 | 0.7   | 155#  | 0.00     |
| 7 S  | Phenol-d6                   | 1.564 | 1.566 | -0.1  | 156#  | 0.00     |
| 8    | 2-Chlorophenol              | 1.313 | 1.312 | 0.1   | 156#  | 0.00     |
| 9    | Benzaldehyde                | 0.891 | 0.909 | -2.0  | 163#  | 0.00     |
| 10 C | Phenol                      | 1.715 | 1.699 | 0.9   | 154#  | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.286 | 1.350 | -5.0  | 163#  | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.334 | 1.297 | 2.8   | 152#  | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.357 | 1.321 | 2.7   | 153#  | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.260 | 1.196 | 5.1   | 151#  | 0.00     |
| 15   | Benzyl Alcohol              | 1.122 | 0.972 | 13.4  | 134   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.424 | 2.400 | 1.0   | 153#  | 0.00     |
| 17   | 2-Methylphenol              | 1.158 | 1.160 | -0.2  | 155#  | 0.00     |
| 18   | Hexachloroethane            | 0.502 | 0.498 | 0.8   | 155#  | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.968 | 0.876 | 9.5   | 144   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.393 | 1.322 | 5.1   | 151#  | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 154#  | 0.00     |
| 22   | Acetophenone                | 0.457 | 0.423 | 7.4   | 147   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.368 | 0.360 | 2.2   | 152#  | 0.00     |
| 24   | Nitrobenzene                | 0.364 | 0.366 | -0.5  | 154#  | 0.00     |
| 25   | Isophorone                  | 0.676 | 0.687 | -1.6  | 159#  | 0.00     |
| 26 C | 2-Nitrophenol               | 0.175 | 0.178 | -1.7  | 157#  | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.294 | 0.289 | 1.7   | 155#  | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.405 | 0.413 | -2.0  | 161#  | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.272 | 0.267 | 1.8   | 153#  | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.284 | 0.269 | 5.3   | 148   | 0.00     |
| 31   | Naphthalene                 | 0.972 | 0.944 | 2.9   | 152#  | 0.00     |
| 32   | Benzoic acid                | 0.221 | 0.199 | 10.0  | 133   | 0.00     |
| 33   | 4-Chloroaniline             | 0.426 | 0.424 | 0.5   | 156#  | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.171 | 0.151 | 11.7  | 138   | 0.00     |
| 35   | Caprolactam                 | 0.091 | 0.098 | -7.7  | 168#  | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.302 | 0.297 | 1.7   | 152#  | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.653 | 0.613 | 6.1   | 149   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.612 | 0.571 | 6.7   | 148   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 153#  | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.579 | 0.538 | 7.1   | 143   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.210 | 0.228 | -8.6  | 159#  | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.199 | 0.162 | 18.6  | 127   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.379 | 0.355 | 6.3   | 143   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.437 | 0.415 | 5.0   | 144   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.326 | 1.136 | 14.3  | 137   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.537 | 1.443 | 6.1   | 145   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.115 | 1.056 | 5.3   | 148   | 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             | 0.433 | 0.441 | -1.8   | 156#  | 0.00     |
| 49   | Acenaphthylene             | 1.853 | 1.705 | 8.0    | 143   | 0.00     |
| 50   | Dimethylphthalate          | 1.352 | 1.283 | 5.1    | 150#  | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.296 | 0.289 | 2.4    | 150   | 0.00     |
| 52 C | Acenaphthene               | 1.095 | 1.041 | 4.9    | 149   | 0.00     |
| 53   | 3-Nitroaniline             | 0.348 | 0.360 | -3.4   | 159#  | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.143 | 0.128 | 10.5   | 134   | 0.00     |
| 55   | Dibenzofuran               | 1.671 | 1.481 | 11.4   | 139   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.221 | 0.196 | 11.3   | 130   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.371 | 0.330 | 11.1   | 135   | 0.00     |
| 58   | Fluorene                   | 1.284 | 1.178 | 8.3    | 145   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.336 | 0.312 | 7.1    | 144   | 0.00     |
| 60   | Diethylphthalate           | 1.357 | 1.281 | 5.6    | 147   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.617 | 0.553 | 10.4   | 143   | 0.00     |
| 62   | 4-Nitroaniline             | 0.334 | 0.340 | -1.8   | 155#  | 0.00     |
| 63   | Azobenzene                 | 1.328 | 1.327 | 0.1    | 156#  | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 151#  | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.106 | 0.101 | 4.7    | 146   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.605 | 0.576 | 4.8    | 149   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.199 | 0.182 | 8.5    | 144   | 0.00     |
| 68   | Hexachlorobenzene          | 0.203 | 0.180 | 11.3   | 138   | 0.00     |
| 69   | Atrazine                   | 0.163 | 0.147 | 9.8    | 142   | 0.00     |
| 70 C | Pentachlorophenol          | 0.121 | 0.098 | 19.0   | 116   | 0.00     |
| 71   | Phenanthrene               | 0.946 | 0.889 | 6.0    | 146   | 0.00     |
| 72   | Anthracene                 | 0.972 | 0.916 | 5.8    | 148   | 0.00     |
| 73   | Carbazole                  | 0.885 | 0.870 | 1.7    | 152#  | 0.00     |
| 74   | Di-n-butylphthalate        | 1.043 | 1.021 | 2.1    | 151#  | 0.00     |
| 75 C | Fluoranthene               | 0.986 | 0.915 | 7.2    | 144   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 144   | 0.00     |
| 77   | Benzydine                  | 0.410 | 0.415 | -1.2   | 163#  | 0.00     |
| 78   | Pyrene                     | 1.904 | 1.908 | -0.2   | 146   | 0.00     |
| 79 S | Terphenyl-d14              | 1.290 | 1.149 | 10.9   | 132   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.670 | 0.726 | -8.4   | 152#  | 0.00     |
| 81   | Benzo(a)anthracene         | 1.291 | 1.264 | 2.1    | 144   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.403 | 0.415 | -3.0   | 149   | 0.00     |
| 83   | Chrysene                   | 1.284 | 1.248 | 2.8    | 143   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.688 | 0.833 | -21.1  | 173#  | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.093 | 1.321 | -20.9# | 170#  | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 162#  | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.311 | 1.295 | 1.2    | 152#  | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.083 | 1.040 | 4.0    | 156#  | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.069 | 0.969 | 9.4    | 149   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.032 | 1.009 | 2.2    | 156#  | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.073 | 1.047 | 2.4    | 152#  | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.121 | 1.123 | -0.2   | 154#  | 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 = 1