

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120624\  
 Data File : BF140760.D  
 Acq On : 06 Dec 2024 12:08  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 06 11:51:47 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 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   | 88    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.493 | 0.492 | 0.2   | 89    | -0.02    |
| 3    | Pyridine                    | 1.084 | 1.123 | -3.6  | 83    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.637 | 0.605 | 5.0   | 82    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.172 | 1.219 | -4.0  | 92    | 0.00     |
| 6    | Aniline                     | 1.091 | 1.149 | -5.3  | 81    | 0.00     |
| 7 S  | Phenol-d6                   | 1.550 | 1.600 | -3.2  | 88    | 0.00     |
| 8    | 2-Chlorophenol              | 1.261 | 1.329 | -5.4  | 92    | 0.00     |
| 9    | Benzaldehyde                | 0.820 | 0.698 | 14.9  | 84    | 0.00     |
| 10 C | Phenol                      | 1.583 | 1.642 | -3.7  | 87    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.211 | 1.301 | -7.4  | 92    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.417 | 1.489 | -5.1  | 94    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.435 | 1.511 | -5.3  | 94    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.344 | 1.423 | -5.9  | 93    | 0.00     |
| 15   | Benzyl Alcohol              | 1.149 | 1.154 | -0.4  | 83    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.431 | 1.467 | -2.5  | 89    | 0.00     |
| 17   | 2-Methylphenol              | 1.009 | 1.049 | -4.0  | 89    | 0.00     |
| 18   | Hexachloroethane            | 0.536 | 0.558 | -4.1  | 92    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.916 | 0.954 | -4.1  | 89    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.298 | 1.394 | -7.4  | 91    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 85    | 0.00     |
| 22   | Acetophenone                | 0.488 | 0.519 | -6.4  | 91    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.391 | 0.403 | -3.1  | 87    | 0.00     |
| 24   | Nitrobenzene                | 0.404 | 0.418 | -3.5  | 88    | 0.00     |
| 25   | Isophorone                  | 0.652 | 0.688 | -5.5  | 88    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.179 | 0.197 | -10.1 | 92    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.214 | 0.240 | -12.1 | 91    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.397 | 0.431 | -8.6  | 92    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.284 | 0.310 | -9.2  | 93    | 0.02     |
| 30   | 1,2,4-Trichlorobenzene      | 0.324 | 0.348 | -7.4  | 93    | 0.00     |
| 31   | Naphthalene                 | 1.030 | 1.097 | -6.5  | 92    | 0.00     |
| 32   | Benzoic acid                | 0.164 | 0.204 | -24.4 | 98    | 0.03     |
| 33   | 4-Chloroaniline             | 0.308 | 0.343 | -11.4 | 89    | 0.01     |
| 34 C | Hexachlorobutadiene         | 0.215 | 0.231 | -7.4  | 93    | 0.00     |
| 35   | Caprolactam                 | 0.088 | 0.093 | -5.7  | 88    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.318 | 0.340 | -6.9  | 88    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.654 | 0.711 | -8.7  | 93    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.641 | 0.695 | -8.4  | 92    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 85    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.586 | 0.622 | -6.1  | 94    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.107 | 0.127 | -18.7 | 95    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.214 | 0.232 | -8.4  | 92    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.367 | 0.389 | -6.0  | 91    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.399 | 0.420 | -5.3  | 89    | 0.02     |
| 45 S | 2-Fluorobiphenyl            | 1.342 | 1.395 | -3.9  | 92    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.493 | 1.572 | -5.3  | 93    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.131 | 1.192 | -5.4  | 92    | 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             | 0.363 | 0.365 | -0.6   | 85    | 0.00     |
| 49   | Acenaphthylene             | 1.710 | 1.791 | -4.7   | 92    | 0.00     |
| 50   | Dimethylphthalate          | 1.317 | 1.408 | -6.9   | 93    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.299 | 0.319 | -6.7   | 91    | 0.00     |
| 52 C | Acenaphthene               | 1.086 | 1.128 | -3.9   | 91    | 0.00     |
| 53   | 3-Nitroaniline             | 0.292 | 0.309 | -5.8   | 88    | 0.01     |
| 54 P | 2,4-Dinitrophenol          | 0.122 | 0.186 | -52.5# | 114   | 0.01     |
| 55   | Dibenzofuran               | 1.657 | 1.698 | -2.5   | 89    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.199 | 0.251 | -26.1# | 103   | 0.02     |
| 57   | 2,4-Dinitrotoluene         | 0.397 | 0.428 | -7.8   | 90    | 0.00     |
| 58   | Fluorene                   | 1.330 | 1.400 | -5.3   | 92    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.306 | 0.357 | -16.7  | 98    | 0.00     |
| 60   | Diethylphthalate           | 1.338 | 1.450 | -8.4   | 94    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.653 | 0.719 | -10.1  | 96    | 0.00     |
| 62   | 4-Nitroaniline             | 0.306 | 0.318 | -3.9   | 87    | 0.01     |
| 63   | Azobenzene                 | 1.267 | 1.339 | -5.7   | 93    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 87    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.102 | 0.125 | -22.5  | 98    | 0.01     |
| 66 c | n-Nitrosodiphenylamine     | 0.591 | 0.622 | -5.2   | 93    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.206 | 0.229 | -11.2  | 99    | 0.00     |
| 68   | Hexachlorobenzene          | 0.238 | 0.255 | -7.1   | 95    | 0.00     |
| 69   | Atrazine                   | 0.166 | 0.141 | 15.1   | 87    | 0.00     |
| 70 C | Pentachlorophenol          | 0.105 | 0.108 | -2.9   | 80    | 0.00     |
| 71   | Phenanthrene               | 0.961 | 1.011 | -5.2   | 93    | 0.00     |
| 72   | Anthracene                 | 0.940 | 1.001 | -6.5   | 94    | 0.00     |
| 73   | Carbazole                  | 0.905 | 0.968 | -7.0   | 94    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.044 | 1.208 | -15.7  | 102   | 0.00     |
| 75 C | Fluoranthene               | 1.044 | 1.149 | -10.1  | 98    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 95    | 0.00     |
| 77   | Benzydine                  | 0.581 | 0.555 | 4.5    | 92    | 0.01     |
| 78   | Pyrene                     | 1.849 | 1.921 | -3.9   | 98    | 0.00     |
| 79 S | Terphenyl-d14              | 1.284 | 1.356 | -5.6   | 100   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.666 | 0.741 | -11.3  | 103   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.324 | 1.390 | -5.0   | 102   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.397 | 0.427 | -7.6   | 98    | 0.00     |
| 83   | Chrysene                   | 1.211 | 1.297 | -7.1   | 102   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.841 | 0.902 | -7.3   | 103   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.150 | 1.265 | -10.0  | 106   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 92    | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.303 | 1.417 | -8.7   | 100   | 0.04     |
| 88   | Benzo(b)fluoranthene       | 1.256 | 1.335 | -6.3   | 104   | 0.02     |
| 89   | Benzo(k)fluoranthene       | 1.099 | 1.193 | -8.6   | 100   | 0.02     |
| 90 C | Benzo(a)pyrene             | 1.021 | 1.094 | -7.1   | 100   | 0.02     |
| 91   | Dibenzo(a,h)anthracene     | 1.067 | 1.180 | -10.6  | 102   | 0.04     |
| 92   | Benzo(g,h,i)perylene       | 1.089 | 1.194 | -9.6   | 101   | 0.04     |

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|----------|-------|------|------|-------|----------|
|----------|-------|------|------|-------|----------|

(#) = Out of Range

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