

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042121\  
 Data File : BF123660.D  
 Acq On : 21 Apr 2021 11:05  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 21 11:25:59 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF041521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 20 15:49:40 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    | 115   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.646 | 0.682 | -5.6   | 125   | 0.00     |
| 3    | Pyridine                    | 1.581 | 1.697 | -7.3   | 124   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.937 | 0.955 | -1.9   | 119   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.237 | 1.243 | -0.5   | 118   | 0.00     |
| 6    | Aniline                     | 2.018 | 1.972 | 2.3    | 114   | 0.00     |
| 7 S  | Phenol-d6                   | 1.715 | 1.701 | 0.8    | 117   | 0.00     |
| 8    | 2-Chlorophenol              | 1.329 | 1.343 | -1.1   | 119   | 0.00     |
| 9    | Benzaldehyde                | 1.120 | 1.235 | -10.3  | 149   | 0.00     |
| 10 C | Phenol                      | 1.821 | 1.831 | -0.5   | 116   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.354 | 1.338 | 1.2    | 115   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.366 | 1.351 | 1.1    | 117   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.387 | 1.368 | 1.4    | 115   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.303 | 1.285 | 1.4    | 117   | 0.00     |
| 15   | Benzyl Alcohol              | 1.353 | 1.371 | -1.3   | 115   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 3.057 | 2.872 | 6.1    | 110   | 0.00     |
| 17   | 2-Methylphenol              | 1.142 | 1.183 | -3.6   | 120   | 0.00     |
| 18   | Hexachloroethane            | 0.553 | 0.546 | 1.3    | 115   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.136 | 1.055 | 7.1    | 109   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.457 | 1.376 | 5.6    | 111   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 115   | 0.00     |
| 22   | Acetophenone                | 0.555 | 0.522 | 5.9    | 109   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.435 | 0.436 | -0.2   | 115   | 0.00     |
| 24   | Nitrobenzene                | 0.458 | 0.451 | 1.5    | 113   | 0.00     |
| 25   | Isophorone                  | 0.844 | 0.801 | 5.1    | 110   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.157 | 0.191 | -21.7# | 130   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.289 | 0.289 | 0.0    | 115   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.424 | 0.412 | 2.8    | 114   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.281 | 0.286 | -1.8   | 116   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.302 | 0.288 | 4.6    | 110   | 0.00     |
| 31   | Naphthalene                 | 1.030 | 1.013 | 1.7    | 115   | 0.00     |
| 32   | Benzoic acid                | 0.171 | 0.202 | -18.1  | 117   | 0.00     |
| 33   | 4-Chloroaniline             | 0.423 | 0.423 | 0.0    | 115   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.190 | 0.181 | 4.7    | 109   | 0.00     |
| 35   | Caprolactam                 | 0.098 | 0.100 | -2.0   | 115   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.365 | 0.361 | 1.1    | 113   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.676 | 0.649 | 4.0    | 113   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.639 | 0.608 | 4.9    | 110   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 109   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.552 | 0.572 | -3.6   | 112   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.287 | 0.255 | 11.1   | 90    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.226 | 0.244 | -8.0   | 111   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.375 | 0.404 | -7.7   | 112   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.409 | 0.445 | -8.8   | 116   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.342 | 1.303 | 2.9    | 107   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.565 | 1.573 | -0.5   | 109   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.178 | 1.199 | -1.8   | 110   | 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             | 0.491 | 0.544 | -10.8  | 113   | 0.00     |
| 49   | Acenaphthylene             | 1.927 | 1.960 | -1.7   | 110   | 0.00     |
| 50   | Dimethylphthalate          | 1.382 | 1.350 | 2.3    | 106   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.303 | 0.325 | -7.3   | 111   | 0.00     |
| 52 C | Acenaphthene               | 1.236 | 1.196 | 3.2    | 104   | 0.00     |
| 53   | 3-Nitroaniline             | 0.352 | 0.384 | -9.1   | 114   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.133 | 0.178 | -33.8# | 129   | 0.00     |
| 55   | Dibenzofuran               | 1.774 | 1.763 | 0.6    | 107   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.270 | 0.293 | -8.5   | 110   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.405 | 0.437 | -7.9   | 108   | 0.00     |
| 58   | Fluorene                   | 1.394 | 1.348 | 3.3    | 107   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.326 | 0.340 | -4.3   | 110   | 0.00     |
| 60   | Diethylphthalate           | 1.513 | 1.435 | 5.2    | 101   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.643 | 0.619 | 3.7    | 106   | 0.00     |
| 62   | 4-Nitroaniline             | 0.355 | 0.392 | -10.4  | 116   | 0.00     |
| 63   | Azobenzene                 | 1.713 | 1.640 | 4.3    | 104   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 107   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.104 | 0.131 | -26.0# | 132   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.640 | 0.635 | 0.8    | 108   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.209 | 0.204 | 2.4    | 107   | 0.00     |
| 68   | Hexachlorobenzene          | 0.236 | 0.229 | 3.0    | 104   | 0.00     |
| 69   | Atrazine                   | 0.200 | 0.194 | 3.0    | 104   | 0.00     |
| 70 C | Pentachlorophenol          | 0.123 | 0.128 | -4.1   | 102   | 0.00     |
| 71   | Phenanthrene               | 1.044 | 1.011 | 3.2    | 107   | 0.00     |
| 72   | Anthracene                 | 1.043 | 1.019 | 2.3    | 108   | 0.00     |
| 73   | Carbazole                  | 1.041 | 1.031 | 1.0    | 109   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.260 | 1.147 | 9.0    | 98    | 0.00     |
| 75 C | Fluoranthene               | 1.147 | 1.100 | 4.1    | 106   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 106   | 0.00     |
| 77   | Benzidine                  | 0.544 | 0.559 | -2.8   | 89    | 0.00     |
| 78   | Pyrene                     | 1.460 | 1.507 | -3.2   | 106   | 0.00     |
| 79 S | Terphenyl-d14              | 1.029 | 0.993 | 3.5    | 102   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.686 | 0.668 | 2.6    | 103   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.226 | 1.165 | 5.0    | 104   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.392 | 0.394 | -0.5   | 110   | 0.00     |
| 83   | Chrysene                   | 1.231 | 1.143 | 7.1    | 102   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.912 | 0.800 | 12.3   | 92    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.468 | 1.290 | 12.1   | 93    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 99    | 0.01     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.067 | 1.125 | -5.4   | 108   | 0.02     |
| 88   | Benzo(b)fluoranthene       | 1.412 | 1.353 | 4.2    | 100   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.380 | 1.252 | 9.3    | 93    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.123 | 1.123 | 0.0    | 98    | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 0.903 | 0.953 | -5.5   | 108   | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 0.889 | 0.952 | -7.1   | 112   | 0.01     |

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

(#) = Out of Range

SPCC's out = 0 CCC's out = 1