

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111920\  
 Data File : BF122376.D  
 Acq On : 19 Nov 2020 12:32  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 19 13:59:19 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 10 12:25:42 2020  
 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    | 101   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.597 | 0.578 | 3.2    | 100   | 0.00     |
| 3    | Pyridine                    | 1.643 | 1.586 | 3.5    | 98    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.774 | 0.666 | 14.0   | 87    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.303 | 1.274 | 2.2    | 99    | -0.02    |
| 6    | Aniline                     | 2.236 | 2.174 | 2.8    | 99    | 0.00     |
| 7 S  | Phenol-d6                   | 1.704 | 1.658 | 2.7    | 99    | -0.02    |
| 8    | 2-Chlorophenol              | 1.351 | 1.342 | 0.7    | 99    | 0.00     |
| 9    | Benzaldehyde                | 0.961 | 0.885 | 7.9    | 100   | 0.00     |
| 10 C | Phenol                      | 1.678 | 1.618 | 3.6    | 98    | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.334 | 1.255 | 5.9    | 96    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.533 | 1.483 | 3.3    | 98    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.540 | 1.489 | 3.3    | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.438 | 1.402 | 2.5    | 99    | 0.00     |
| 15   | Benzyl Alcohol              | 1.211 | 1.187 | 2.0    | 98    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.944 | 1.730 | 11.0   | 91    | 0.00     |
| 17   | 2-Methylphenol              | 1.127 | 1.115 | 1.1    | 101   | -0.01    |
| 18   | Hexachloroethane            | 0.536 | 0.516 | 3.7    | 97    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.018 | 0.923 | 9.3    | 93    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.387 | 1.363 | 1.7    | 99    | -0.01    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 99    | 0.00     |
| 22   | Acetophenone                | 0.521 | 0.488 | 6.3    | 94    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.327 | 0.369 | -12.8  | 106   | 0.00     |
| 24   | Nitrobenzene                | 0.374 | 0.395 | -5.6   | 101   | 0.00     |
| 25   | Isophorone                  | 0.728 | 0.683 | 6.2    | 96    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.126 | 0.190 | -50.8# | 132   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.344 | 0.326 | 5.2    | 95    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.445 | 0.422 | 5.2    | 95    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.304 | 0.318 | -4.6   | 103   | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 0.336 | 0.337 | -0.3   | 99    | 0.00     |
| 31   | Naphthalene                 | 1.063 | 1.035 | 2.6    | 98    | 0.00     |
| 32   | Benzoic acid                | 0.155 | 0.202 | -30.3# | 118   | -0.03    |
| 33   | 4-Chloroaniline             | 0.463 | 0.457 | 1.3    | 99    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.193 | 0.193 | 0.0    | 100   | 0.00     |
| 35   | Caprolactam                 | 0.096 | 0.104 | -8.3   | 107   | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.317 | 0.325 | -2.5   | 101   | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.702 | 0.693 | 1.3    | 100   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.658 | 0.648 | 1.5    | 98    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 103   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.616 | 0.602 | 2.3    | 101   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.360 | 0.369 | -2.5   | 101   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.215 | 0.248 | -15.3  | 114   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.400 | 0.415 | -3.7   | 104   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.420 | 0.449 | -6.9   | 108   | -0.01    |
| 45 S | 2-Fluorobiphenyl            | 1.280 | 1.208 | 5.6    | 101   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.592 | 1.528 | 4.0    | 101   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.264 | 1.210 | 4.3    | 99    | 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             | 0.310 | 0.377 | -21.6  | 112   | -0.01    |
| 49   | Acenaphthylene             | 1.942 | 1.885 | 2.9    | 101   | 0.00     |
| 50   | Dimethylphthalate          | 1.422 | 1.401 | 1.5    | 104   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.275 | 0.331 | -20.4  | 115   | -0.01    |
| 52 C | Acenaphthene               | 1.202 | 1.192 | 0.8    | 103   | 0.00     |
| 53   | 3-Nitroaniline             | 0.317 | 0.365 | -15.1  | 111   | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 0.084 | 0.134 | -59.5# | 173#  | -0.01    |
| 55   | Dibenzofuran               | 1.761 | 1.710 | 2.9    | 102   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.271 | 0.304 | -12.2  | 114   | -0.02    |
| 57   | 2,4-Dinitrotoluene         | 0.332 | 0.444 | -33.7# | 123   | 0.00     |
| 58   | Fluorene                   | 1.349 | 1.306 | 3.2    | 102   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.349 | 0.377 | -8.0   | 107   | -0.01    |
| 60   | Diethylphthalate           | 1.395 | 1.343 | 3.7    | 101   | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 0.637 | 0.633 | 0.6    | 104   | -0.01    |
| 62   | 4-Nitroaniline             | 0.313 | 0.369 | -17.9  | 114   | -0.02    |
| 63   | Azobenzene                 | 1.463 | 1.342 | 8.3    | 96    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 107   | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 0.076 | 0.109 | -43.4# | 154#  | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 0.681 | 0.644 | 5.4    | 103   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.235 | 0.232 | 1.3    | 106   | 0.00     |
| 68   | Hexachlorobenzene          | 0.254 | 0.254 | 0.0    | 108   | -0.01    |
| 69   | Atrazine                   | 0.170 | 0.170 | 0.0    | 107   | -0.01    |
| 70 C | Pentachlorophenol          | 0.146 | 0.161 | -10.3  | 116   | -0.01    |
| 71   | Phenanthrene               | 1.135 | 1.071 | 5.6    | 103   | -0.01    |
| 72   | Anthracene                 | 1.170 | 1.110 | 5.1    | 103   | -0.01    |
| 73   | Carbazole                  | 1.064 | 1.008 | 5.3    | 103   | -0.01    |
| 74   | Di-n-butylphthalate        | 1.134 | 1.084 | 4.4    | 103   | -0.01    |
| 75 C | Fluoranthene               | 1.185 | 1.144 | 3.5    | 104   | -0.02    |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 98    | -0.02    |
| 77   | Benzidine                  | 0.555 | 0.521 | 6.1    | 92    | -0.02    |
| 78   | Pyrene                     | 1.405 | 1.436 | -2.2   | 103   | -0.02    |
| 79 S | Terphenyl-d14              | 0.944 | 0.953 | -1.0   | 105   | -0.01    |
| 80   | Butylbenzylphthalate       | 0.505 | 0.567 | -12.3  | 105   | -0.02    |
| 81   | Benzo(a)anthracene         | 1.244 | 1.211 | 2.7    | 98    | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 0.464 | 0.474 | -2.2   | 99    | -0.02    |
| 83   | Chrysene                   | 1.253 | 1.222 | 2.5    | 99    | -0.02    |
| 84   | Bis(2-ethylhexyl)phthalate | 0.677 | 0.715 | -5.6   | 105   | -0.02    |
| 85 c | Di-n-octyl phthalate       | 1.148 | 1.202 | -4.7   | 98    | -0.02    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 90    | -0.04    |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.200 | 1.164 | 3.0    | 92    | -0.06    |
| 88   | Benzo(b)fluoranthene       | 1.295 | 1.336 | -3.2   | 92    | -0.02    |
| 89   | Benzo(k)fluoranthene       | 1.263 | 1.223 | 3.2    | 90    | -0.03    |
| 90 C | Benzo(a)pyrene             | 1.129 | 1.121 | 0.7    | 90    | -0.04    |
| 91   | Dibenzo(a,h)anthracene     | 1.005 | 0.963 | 4.2    | 91    | -0.05    |
| 92   | Benzo(g,h,i)perylene       | 0.978 | 0.958 | 2.0    | 95    | -0.06    |

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

(#) = Out of Range                      SPCC's out = 0    CCC's out = 1