

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042921\  
 Data File : BF123760.D  
 Acq On : 29 Apr 2021 9:51  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 29 11:13:22 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 27 16:30:39 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  | 91    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.680 | 0.647 | 4.9  | 88    | -0.02    |
| 3    | Pyridine                    | 1.662 | 1.604 | 3.5  | 89    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.916 | 0.896 | 2.2  | 89    | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.262 | 1.197 | 5.2  | 89    | 0.00     |
| 6    | Aniline                     | 2.011 | 1.928 | 4.1  | 88    | 0.00     |
| 7 S  | Phenol-d6                   | 1.739 | 1.652 | 5.0  | 90    | 0.00     |
| 8    | 2-Chlorophenol              | 1.358 | 1.306 | 3.8  | 90    | 0.00     |
| 9    | Benzaldehyde                | 0.842 | 0.795 | 5.6  | 92    | 0.00     |
| 10 C | Phenol                      | 1.868 | 1.793 | 4.0  | 90    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.364 | 1.297 | 4.9  | 88    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.372 | 1.313 | 4.3  | 89    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.388 | 1.335 | 3.8  | 90    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.348 | 1.232 | 8.6  | 91    | 0.00     |
| 15   | Benzyl Alcohol              | 1.363 | 1.335 | 2.1  | 90    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.901 | 2.852 | 1.7  | 91    | 0.00     |
| 17   | 2-Methylphenol              | 1.157 | 1.097 | 5.2  | 89    | 0.00     |
| 18   | Hexachloroethane            | 0.549 | 0.528 | 3.8  | 88    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.074 | 1.025 | 4.6  | 90    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.473 | 1.344 | 8.8  | 91    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 89    | 0.00     |
| 22   | Acetophenone                | 0.544 | 0.520 | 4.4  | 89    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.443 | 0.436 | 1.6  | 89    | 0.00     |
| 24   | Nitrobenzene                | 0.461 | 0.458 | 0.7  | 90    | 0.00     |
| 25   | Isophorone                  | 0.831 | 0.821 | 1.2  | 89    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.188 | 0.191 | -1.6 | 89    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.296 | 0.293 | 1.0  | 91    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.423 | 0.425 | -0.5 | 90    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.292 | 0.288 | 1.4  | 90    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.306 | 0.299 | 2.3  | 90    | 0.00     |
| 31   | Naphthalene                 | 1.030 | 1.004 | 2.5  | 89    | 0.00     |
| 32   | Benzoic acid                | 0.186 | 0.156 | 16.1 | 75    | 0.00     |
| 33   | 4-Chloroaniline             | 0.430 | 0.421 | 2.1  | 89    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.186 | 0.182 | 2.2  | 87    | 0.00     |
| 35   | Caprolactam                 | 0.102 | 0.102 | 0.0  | 88    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.364 | 0.362 | 0.5  | 88    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.671 | 0.664 | 1.0  | 91    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.631 | 0.617 | 2.2  | 90    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 90    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.589 | 0.584 | 0.8  | 91    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.233 | 0.241 | -3.4 | 88    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.249 | 0.246 | 1.2  | 89    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.405 | 0.404 | 0.2  | 89    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.435 | 0.440 | -1.1 | 91    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.373 | 1.319 | 3.9  | 91    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.639 | 1.595 | 2.7  | 91    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.235 | 1.185 | 4.0  | 88    | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 0.544 | 0.530 | 2.6   | 88    | 0.00     |
| 49   | Acenaphthylene             | 1.994 | 1.937 | 2.9   | 89    | 0.00     |
| 50   | Dimethylphthalate          | 1.409 | 1.371 | 2.7   | 91    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.326 | 0.328 | -0.6  | 91    | 0.00     |
| 52 C | Acenaphthene               | 1.215 | 1.196 | 1.6   | 91    | 0.00     |
| 53   | 3-Nitroaniline             | 0.389 | 0.375 | 3.6   | 87    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.173 | 0.159 | 8.1   | 78    | 0.00     |
| 55   | Dibenzofuran               | 1.838 | 1.789 | 2.7   | 90    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.283 | 0.276 | 2.5   | 85    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.444 | 0.441 | 0.7   | 90    | 0.00     |
| 58   | Fluorene                   | 1.412 | 1.354 | 4.1   | 89    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.344 | 0.340 | 1.2   | 88    | 0.00     |
| 60   | Diethylphthalate           | 1.499 | 1.471 | 1.9   | 91    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.658 | 0.636 | 3.3   | 90    | 0.00     |
| 62   | 4-Nitroaniline             | 0.385 | 0.373 | 3.1   | 87    | 0.00     |
| 63   | Azobenzene                 | 1.724 | 1.683 | 2.4   | 89    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.124 | 0.126 | -1.6  | 85    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.654 | 0.639 | 2.3   | 88    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.211 | 0.214 | -1.4  | 91    | 0.00     |
| 68   | Hexachlorobenzene          | 0.240 | 0.240 | 0.0   | 92    | 0.00     |
| 69   | Atrazine                   | 0.198 | 0.196 | 1.0   | 89    | 0.00     |
| 70 C | Pentachlorophenol          | 0.122 | 0.119 | 2.5   | 86    | 0.00     |
| 71   | Phenanthrene               | 1.049 | 0.999 | 4.8   | 87    | 0.00     |
| 72   | Anthracene                 | 1.043 | 1.006 | 3.5   | 89    | 0.00     |
| 73   | Carbazole                  | 1.054 | 1.017 | 3.5   | 89    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.184 | 1.175 | 0.8   | 89    | 0.00     |
| 75 C | Fluoranthene               | 1.144 | 1.081 | 5.5   | 86    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 81    | 0.00     |
| 77   | Benzydine                  | 0.518 | 0.572 | -10.4 | 83    | 0.00     |
| 78   | Pyrene                     | 1.552 | 1.624 | -4.6  | 87    | 0.00     |
| 79 S | Terphenyl-d14              | 1.039 | 1.088 | -4.7  | 88    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.663 | 0.670 | -1.1  | 82    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.212 | 1.173 | 3.2   | 81    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.372 | 0.363 | 2.4   | 80    | 0.00     |
| 83   | Chrysene                   | 1.219 | 1.190 | 2.4   | 83    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.824 | 0.802 | 2.7   | 80    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.317 | 1.213 | 7.9   | 74    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 77    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.165 | 1.283 | -10.1 | 91    | -0.01    |
| 88   | Benzo(b)fluoranthene       | 1.348 | 1.388 | -3.0  | 82    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.286 | 1.229 | 4.4   | 72    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.153 | 1.153 | 0.0   | 77    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 0.983 | 1.052 | -7.0  | 89    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 0.985 | 1.105 | -12.2 | 92    | 0.00     |

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