

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051922\  
 Data File : BF128330.D  
 Acq On : 19 May 2022 12:04  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 19 16:49:15 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 19 06:47:51 2022  
 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   | 77    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.558 | 0.597 | -7.0  | 81    | -0.04    |
| 3    | Pyridine                    | 1.481 | 1.577 | -6.5  | 82    | -0.04    |
| 4    | n-Nitrosodimethylamine      | 0.738 | 0.786 | -6.5  | 79    | -0.04    |
| 5 S  | 2-Fluorophenol              | 1.255 | 1.304 | -3.9  | 81    | 0.00     |
| 6    | Aniline                     | 1.874 | 1.923 | -2.6  | 78    | 0.00     |
| 7 S  | Phenol-d6                   | 1.659 | 1.684 | -1.5  | 79    | 0.00     |
| 8    | 2-Chlorophenol              | 1.278 | 1.308 | -2.3  | 79    | 0.00     |
| 9    | Benzaldehyde                | 0.958 | 0.956 | 0.2   | 89    | 0.00     |
| 10 C | Phenol                      | 1.750 | 1.774 | -1.4  | 77    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.311 | 1.355 | -3.4  | 79    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.438 | 1.493 | -3.8  | 80    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.453 | 1.498 | -3.1  | 79    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.370 | 1.393 | -1.7  | 79    | 0.00     |
| 15   | Benzyl Alcohol              | 1.311 | 1.351 | -3.1  | 78    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.943 | 2.025 | -4.2  | 79    | 0.00     |
| 17   | 2-Methylphenol              | 1.084 | 1.097 | -1.2  | 77    | 0.00     |
| 18   | Hexachloroethane            | 0.549 | 0.570 | -3.8  | 80    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.022 | 1.012 | 1.0   | 76    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.342 | 1.326 | 1.2   | 77    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 76    | 0.00     |
| 22   | Acetophenone                | 0.498 | 0.490 | 1.6   | 76    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.444 | 0.457 | -2.9  | 78    | 0.00     |
| 24   | Nitrobenzene                | 0.410 | 0.424 | -3.4  | 77    | 0.00     |
| 25   | Isophorone                  | 0.697 | 0.698 | -0.1  | 75    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.180 | 0.186 | -3.3  | 77    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.278 | 0.271 | 2.5   | 74    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.440 | 0.446 | -1.4  | 76    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.292 | 0.295 | -1.0  | 76    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.335 | 0.337 | -0.6  | 77    | 0.00     |
| 31   | Naphthalene                 | 0.988 | 0.987 | 0.1   | 76    | 0.00     |
| 32   | Benzoic acid                | 0.208 | 0.150 | 27.9# | 51    | -0.02    |
| 33   | 4-Chloroaniline             | 0.392 | 0.395 | -0.8  | 77    | -0.01    |
| 34 C | Hexachlorobutadiene         | 0.225 | 0.224 | 0.4   | 75    | 0.00     |
| 35   | Caprolactam                 | 0.095 | 0.090 | 5.3   | 71    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.326 | 0.321 | 1.5   | 74    | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.666 | 0.655 | 1.7   | 75    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.640 | 0.623 | 2.7   | 75    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 74    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.590 | 0.596 | -1.0  | 75    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.233 | 0.198 | 15.0  | 57    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.229 | 0.207 | 9.6   | 66    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.380 | 0.377 | 0.8   | 72    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.405 | 0.387 | 4.4   | 69    | -0.01    |
| 45 S | 2-Fluorobiphenyl            | 1.278 | 1.236 | 3.3   | 73    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.456 | 1.430 | 1.8   | 72    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.079 | 1.066 | 1.2   | 73    | 0.00     |

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

|      | Compound                   | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 0.387 | 0.389 | -0.5   | 71    | 0.00     |
| 49   | Acenaphthylene             | 1.632 | 1.607 | 1.5    | 72    | -0.01    |
| 50   | Dimethylphthalate          | 1.291 | 1.236 | 4.3    | 71    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 0.283 | 0.273 | 3.5    | 70    | 0.00     |
| 52 C | Acenaphthene               | 1.132 | 1.049 | 7.3    | 68    | -0.01    |
| 53   | 3-Nitroaniline             | 0.307 | 0.303 | 1.3    | 72    | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 0.157 | 0.133 | 15.3   | 60    | 0.00     |
| 55   | Dibenzofuran               | 1.607 | 1.604 | 0.2    | 75    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.214 | 0.172 | 19.6   | 57    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.379 | 0.365 | 3.7    | 70    | -0.01    |
| 58   | Fluorene                   | 1.252 | 1.199 | 4.2    | 71    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.346 | 0.318 | 8.1    | 66    | -0.01    |
| 60   | Diethylphthalate           | 1.288 | 1.265 | 1.8    | 73    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.624 | 0.599 | 4.0    | 71    | -0.01    |
| 62   | 4-Nitroaniline             | 0.311 | 0.289 | 7.1    | 68    | -0.01    |
| 63   | Azobenzene                 | 1.410 | 1.407 | 0.2    | 73    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 70    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.125 | 0.122 | 2.4    | 63    | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 0.583 | 0.596 | -2.2   | 71    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 0.215 | 0.215 | 0.0    | 69    | 0.00     |
| 68   | Hexachlorobenzene          | 0.235 | 0.227 | 3.4    | 67    | -0.01    |
| 69   | Atrazine                   | 0.197 | 0.187 | 5.1    | 67    | 0.00     |
| 70 C | Pentachlorophenol          | 0.114 | 0.098 | 14.0   | 54    | 0.00     |
| 71   | Phenanthrene               | 0.996 | 1.011 | -1.5   | 71    | 0.00     |
| 72   | Anthracene                 | 0.994 | 1.006 | -1.2   | 71    | 0.00     |
| 73   | Carbazole                  | 0.945 | 0.923 | 2.3    | 68    | -0.01    |
| 74   | Di-n-butylphthalate        | 1.088 | 1.056 | 2.9    | 68    | 0.00     |
| 75 C | Fluoranthene               | 1.080 | 0.942 | 12.8   | 62    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 54    | 0.00     |
| 77   | Benzidine                  | 0.433 | 0.415 | 4.2    | 51    | 0.00     |
| 78   | Pyrene                     | 1.450 | 1.673 | -15.4  | 62    | 0.00     |
| 79 S | Terphenyl-d14              | 1.066 | 1.184 | -11.1  | 61    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.603 | 0.656 | -8.8   | 58    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.277 | 1.301 | -1.9   | 55    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.287 | 0.311 | -8.4   | 60    | 0.00     |
| 83   | Chrysene                   | 1.219 | 1.220 | -0.1   | 55    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.815 | 0.844 | -3.6   | 55    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.301 | 1.252 | 3.8    | 51    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 63    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.210 | 1.513 | -25.0# | 81    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.240 | 1.208 | 2.6    | 61    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.224 | 1.118 | 8.7    | 56    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.001 | 1.016 | -1.5   | 63    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 0.979 | 1.226 | -25.2# | 80    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 0.992 | 1.303 | -31.4# | 86    | 0.00     |

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

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