

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102122\  
 Data File : BF130738.D  
 Acq On : 21 Oct 2022 10:47  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 21 13:39:58 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 21 06:12:36 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    | 95    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.690 | 0.617  | 10.6   | 77    | 0.00     |
| 3    | Pyridine                    | 1.330 | 1.442  | -8.4   | 87    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.591 | 0.597  | -1.0   | 79    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.160 | 1.141  | 1.6    | 87    | 0.00     |
| 6    | Aniline                     | 1.617 | 1.759  | -8.8   | 97    | 0.00     |
| 7 S  | Phenol-d6                   | 1.403 | 1.440  | -2.6   | 97    | 0.00     |
| 8    | 2-Chlorophenol              | 1.342 | 1.491  | -11.1  | 106   | 0.00     |
| 9    | Benzaldehyde                | 0.819 | 0.884  | -7.9   | 108   | 0.00     |
| 10 C | Phenol                      | 1.547 | 1.677  | -8.4   | 98    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.149 | 1.274  | -10.9  | 103   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.458 | 1.698  | -16.5  | 109   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.500 | 1.452  | 3.2    | 92    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.417 | 1.350  | 4.7    | 92    | 0.00     |
| 15   | Benzyl Alcohol              | 1.029 | 1.020  | 0.9    | 91    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.474 | 1.388  | 5.8    | 94    | 0.00     |
| 17   | 2-Methylphenol              | 1.104 | 1.040  | 5.8    | 93    | 0.00     |
| 18   | Hexachloroethane            | 0.560 | 0.534  | 4.6    | 94    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.948 | 0.882  | 7.0    | 93    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.447 | 1.398  | 3.4    | 94    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000  | 0.0    | 115   | 0.00     |
| 22   | Acetophenone                | 0.488 | 0.393  | 19.5   | 94    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.377 | 0.305  | 19.1   | 95    | 0.00     |
| 24   | Nitrobenzene                | 0.384 | 0.306  | 20.3   | 96    | 0.00     |
| 25   | Isophorone                  | 0.621 | 0.596  | 4.0    | 111   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.192 | 0.185  | 3.6    | 110   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.260 | 0.249  | 4.2    | 108   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.360 | 0.334  | 7.2    | 109   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.287 | 0.286  | 0.3    | 108   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.301 | 0.271  | 10.0   | 98    | 0.00     |
| 31   | Naphthalene                 | 1.031 | 0.971  | 5.8    | 106   | 0.00     |
| 32   | Benzoic acid                | 0.133 | 0.119  | 10.5   | 91    | 0.00     |
| 33   | 4-Chloroaniline             | 0.397 | 0.397  | 0.0    | 109   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.192 | 0.170  | 11.5   | 98    | 0.00     |
| 35   | Caprolactam                 | 0.090 | 0.082  | 8.9    | 102   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.310 | 0.298  | 3.9    | 107   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.676 | 0.655  | 3.1    | 108   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.670 | 0.576  | 14.0   | 98    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000  | 0.0    | 90    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.531 | 0.599  | -12.8  | 97    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.044 | 0.046# | -4.5   | 83    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.190 | 0.202  | -6.3   | 85    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.334 | 0.391  | -17.1  | 97    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.363 | 0.456  | -25.6# | 101   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.312 | 1.575  | -20.0  | 105   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.395 | 1.755  | -25.8# | 108   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.160 | 1.451  | -25.1# | 107   | 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             | 0.356 | 0.441 | -23.9 | 107   | 0.00     |
| 49   | Acenaphthylene             | 1.709 | 1.743 | -2.0  | 86    | 0.00     |
| 50   | Dimethylphthalate          | 1.345 | 1.364 | -1.4  | 86    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.301 | 0.312 | -3.7  | 88    | 0.00     |
| 52 C | Acenaphthene               | 1.062 | 1.053 | 0.8   | 86    | 0.00     |
| 53   | 3-Nitroaniline             | 0.343 | 0.340 | 0.9   | 87    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.095 | 0.092 | 3.2   | 78    | 0.00     |
| 55   | Dibenzofuran               | 1.635 | 1.632 | 0.2   | 87    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.065 | 0.073 | -12.3 | 75    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.406 | 0.410 | -1.0  | 86    | 0.00     |
| 58   | Fluorene                   | 1.360 | 1.350 | 0.7   | 87    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.289 | 0.308 | -6.6  | 84    | 0.00     |
| 60   | Diethylphthalate           | 1.388 | 1.339 | 3.5   | 87    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.610 | 0.618 | -1.3  | 87    | 0.00     |
| 62   | 4-Nitroaniline             | 0.326 | 0.314 | 3.7   | 85    | 0.00     |
| 63   | Azobenzene                 | 1.219 | 1.220 | -0.1  | 86    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 89    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.120 | 0.122 | -1.7  | 82    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.689 | 0.659 | 4.4   | 87    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.241 | 0.233 | 3.3   | 85    | 0.00     |
| 68   | Hexachlorobenzene          | 0.275 | 0.272 | 1.1   | 88    | 0.00     |
| 69   | Atrazine                   | 0.191 | 0.195 | -2.1  | 87    | 0.00     |
| 70 C | Pentachlorophenol          | 0.049 | 0.054 | -10.2 | 86    | 0.00     |
| 71   | Phenanthrene               | 1.097 | 1.100 | -0.3  | 86    | 0.00     |
| 72   | Anthracene                 | 1.094 | 1.088 | 0.5   | 87    | 0.00     |
| 73   | Carbazole                  | 1.010 | 0.985 | 2.5   | 87    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.243 | 1.175 | 5.5   | 86    | 0.00     |
| 75 C | Fluoranthene               | 1.109 | 1.131 | -2.0  | 87    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 77   | Benzydine                  | 0.353 | 0.268 | 24.1  | 76    | 0.00     |
| 78   | Pyrene                     | 1.679 | 1.741 | -3.7  | 89    | 0.00     |
| 79 S | Terphenyl-d14              | 1.187 | 1.243 | -4.7  | 89    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.666 | 0.685 | -2.9  | 91    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.336 | 1.323 | 1.0   | 92    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.388 | 0.368 | 5.2   | 90    | 0.00     |
| 83   | Chrysene                   | 1.295 | 1.238 | 4.4   | 90    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.789 | 0.802 | -1.6  | 94    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.040 | 1.022 | 1.7   | 94    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.434 | 1.506 | -5.0  | 86    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.332 | 1.312 | 1.5   | 94    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.338 | 1.213 | 9.3   | 86    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.070 | 1.054 | 1.5   | 90    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.185 | 1.244 | -5.0  | 86    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.189 | 1.225 | -3.0  | 83    | 0.00     |

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| Compound | AvgRF | CCRF | %Dev Area | % Dev(min) |
|----------|-------|------|-----------|------------|
|----------|-------|------|-----------|------------|

(#) = Out of Range

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