

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG012324\  
 Data File : BG060396.D  
 Acq On : 23 Jan 2024 9:45  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 23 10:19:53 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG010824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 09 04:07:12 2024  
 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    | 85    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.555 | 0.563 | -1.4   | 75    | 0.00     |
| 3    | Pyridine                    | 1.567 | 1.441 | 8.0    | 65    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.490 | 0.394 | 19.6   | 60    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.216 | 1.145 | 5.8    | 85    | 0.00     |
| 6    | Aniline                     | 1.800 | 1.830 | -1.7   | 80    | 0.00     |
| 7 S  | Phenol-d6                   | 1.801 | 1.832 | -1.7   | 74    | 0.00     |
| 8    | 2-Chlorophenol              | 1.205 | 1.253 | -4.0   | 86    | 0.00     |
| 9    | Benzaldehyde                | 1.034 | 0.907 | 12.3   | 69    | 0.00     |
| 10 C | Phenol                      | 1.805 | 1.820 | -0.8   | 74    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.471 | 1.417 | 3.7    | 81    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.513 | 1.468 | 3.0    | 82    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.535 | 1.538 | -0.2   | 86    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.578 | 1.547 | 2.0    | 75    | 0.00     |
| 15   | Benzyl Alcohol              | 1.166 | 1.282 | -9.9   | 87    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.785 | 1.758 | 1.5    | 75    | 0.00     |
| 17   | 2-Methylphenol              | 1.240 | 1.304 | -5.2   | 77    | 0.00     |
| 18   | Hexachloroethane            | 0.538 | 0.528 | 1.9    | 75    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.246 | 1.274 | -2.2   | 72    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.672 | 1.814 | -8.5   | 79    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 80    | 0.00     |
| 22   | Acetophenone                | 0.550 | 0.523 | 4.9    | 75    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.424 | 0.431 | -1.7   | 81    | 0.00     |
| 24   | Nitrobenzene                | 0.439 | 0.416 | 5.2    | 75    | 0.00     |
| 25   | Isophorone                  | 0.851 | 0.825 | 3.1    | 77    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.161 | 0.176 | -9.3   | 85    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.213 | 0.217 | -1.9   | 80    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.520 | 0.479 | 7.9    | 74    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.346 | 0.354 | -2.3   | 80    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.430 | 0.421 | 2.1    | 78    | 0.00     |
| 31   | Naphthalene                 | 1.048 | 1.050 | -0.2   | 82    | 0.00     |
| 32   | Benzoic acid                | 0.154 | 0.196 | -27.3# | 93    | 0.00     |
| 33   | 4-Chloroaniline             | 0.404 | 0.413 | -2.2   | 83    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.280 | 0.273 | 2.5    | 84    | 0.00     |
| 35   | Caprolactam                 | 0.111 | 0.121 | -9.0   | 88    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.351 | 0.373 | -6.3   | 85    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.778 | 0.764 | 1.8    | 82    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.781 | 0.764 | 2.2    | 82    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 83    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.710 | 0.656 | 7.6    | 80    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.236 | 0.221 | 6.4    | 75    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.294 | 0.316 | -7.5   | 89    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.452 | 0.452 | 0.0    | 84    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.499 | 0.515 | -3.2   | 86    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.439 | 1.403 | 2.5    | 87    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.510 | 1.450 | 4.0    | 83    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.293 | 1.244 | 3.8    | 82    | 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             | 0.322 | 0.351 | -9.0  | 89    | 0.00     |
| 49   | Acenaphthylene             | 1.781 | 1.830 | -2.8  | 86    | 0.00     |
| 50   | Dimethylphthalate          | 1.528 | 1.546 | -1.2  | 86    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.326 | 0.363 | -11.3 | 89    | 0.00     |
| 52 C | Acenaphthene               | 1.109 | 1.123 | -1.3  | 85    | 0.00     |
| 53   | 3-Nitroaniline             | 0.297 | 0.332 | -11.8 | 91    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.155 | 0.192 | -23.9 | 97    | 0.00     |
| 55   | Dibenzofuran               | 1.851 | 1.857 | -0.3  | 85    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.220 | 0.271 | -23.2 | 93    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.447 | 0.506 | -13.2 | 92    | 0.00     |
| 58   | Fluorene                   | 1.533 | 1.557 | -1.6  | 87    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.423 | 0.460 | -8.7  | 90    | 0.00     |
| 60   | Diethylphthalate           | 1.467 | 1.517 | -3.4  | 87    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.845 | 0.844 | 0.1   | 87    | 0.00     |
| 62   | 4-Nitroaniline             | 0.316 | 0.364 | -15.2 | 94    | 0.00     |
| 63   | Azobenzene                 | 1.484 | 1.452 | 2.2   | 83    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 87    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.111 | 0.124 | -11.7 | 96    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.531 | 0.543 | -2.3  | 88    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.220 | 0.219 | 0.5   | 87    | 0.00     |
| 68   | Hexachlorobenzene          | 0.260 | 0.259 | 0.4   | 88    | 0.00     |
| 69   | Atrazine                   | 0.200 | 0.191 | 4.5   | 84    | 0.00     |
| 70 C | Pentachlorophenol          | 0.140 | 0.164 | -17.1 | 95    | 0.00     |
| 71   | Phenanthrene               | 0.967 | 0.967 | 0.0   | 88    | 0.00     |
| 72   | Anthracene                 | 0.965 | 0.970 | -0.5  | 87    | 0.00     |
| 73   | Carbazole                  | 0.910 | 0.927 | -1.9  | 88    | 0.00     |
| 74   | Di-n-butylphthalate        | 0.936 | 0.990 | -5.8  | 90    | 0.00     |
| 75 C | Fluoranthene               | 1.161 | 1.152 | 0.8   | 89    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 87    | 0.00     |
| 77   | Benzydine                  | 0.435 | 0.343 | 21.1  | 67    | 0.00     |
| 78   | Pyrene                     | 1.277 | 1.240 | 2.9   | 88    | 0.00     |
| 79 S | Terphenyl-d14              | 0.938 | 0.831 | 11.4  | 92    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.439 | 0.516 | -17.5 | 100   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.238 | 1.261 | -1.9  | 90    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.474 | 0.479 | -1.1  | 86    | 0.00     |
| 83   | Chrysene                   | 1.218 | 1.193 | 2.1   | 88    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.664 | 0.746 | -12.3 | 96    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.076 | 1.220 | -13.4 | 96    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.391 | 1.392 | -0.1  | 88    | 0.02     |
| 88   | Benzo(b)fluoranthene       | 1.182 | 1.186 | -0.3  | 87    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.166 | 1.141 | 2.1   | 84    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.067 | 1.060 | 0.7   | 87    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.136 | 1.146 | -0.9  | 88    | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 1.164 | 1.161 | 0.3   | 88    | 0.02     |

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

(#) = Out of Range

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