

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091322\  
 Data File : BG054923.D  
 Acq On : 13 Sep 2022 15:25  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 14 03:18:30 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 10 01:53:42 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    | 80    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.548 | 0.511 | 6.8    | 79    | 0.00     |
| 3    | Pyridine                    | 1.530 | 1.476 | 3.5    | 79    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.661 | 0.559 | 15.4   | 69    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.149 | 1.200 | -4.4   | 85    | 0.00     |
| 6    | Aniline                     | 1.866 | 1.917 | -2.7   | 84    | 0.00     |
| 7 S  | Phenol-d6                   | 1.571 | 1.638 | -4.3   | 85    | 0.00     |
| 8    | 2-Chlorophenol              | 1.255 | 1.340 | -6.8   | 88    | 0.00     |
| 9    | Benzaldehyde                | 1.029 | 0.948 | 7.9    | 82    | 0.00     |
| 10 C | Phenol                      | 1.615 | 1.659 | -2.7   | 84    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.299 | 1.278 | 1.6    | 81    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.452 | 1.532 | -5.5   | 88    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.465 | 1.561 | -6.6   | 88    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.389 | 1.466 | -5.5   | 88    | 0.00     |
| 15   | Benzyl Alcohol              | 1.135 | 1.144 | -0.8   | 81    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.033 | 1.624 | 20.1   | 66    | 0.00     |
| 17   | 2-Methylphenol              | 1.112 | 1.164 | -4.7   | 84    | 0.00     |
| 18   | Hexachloroethane            | 0.531 | 0.538 | -1.3   | 83    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.080 | 1.033 | 4.4    | 78    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.542 | 1.635 | -6.0   | 85    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 76    | 0.00     |
| 22   | Acetophenone                | 0.500 | 0.529 | -5.8   | 84    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.381 | 0.395 | -3.7   | 81    | 0.00     |
| 24   | Nitrobenzene                | 0.384 | 0.389 | -1.3   | 80    | 0.00     |
| 25   | Isophorone                  | 0.710 | 0.723 | -1.8   | 79    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.170 | 0.211 | -24.1# | 96    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.269 | 0.294 | -9.3   | 86    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.405 | 0.415 | -2.5   | 81    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.306 | 0.357 | -16.7  | 90    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.349 | 0.401 | -14.9  | 90    | 0.00     |
| 31   | Naphthalene                 | 1.073 | 1.172 | -9.2   | 86    | 0.00     |
| 32   | Benzoic acid                | 0.169 | 0.077 | 54.4#  | 35#   | -0.02    |
| 33   | 4-Chloroaniline             | 0.437 | 0.478 | -9.4   | 85    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.224 | 0.266 | -18.8  | 95    | 0.00     |
| 35   | Caprolactam                 | 0.108 | 0.118 | -9.3   | 83    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.334 | 0.365 | -9.3   | 84    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.752 | 0.827 | -10.0  | 86    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.732 | 0.799 | -9.2   | 86    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 76    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.603 | 0.692 | -14.8  | 93    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.320 | 0.495 | -54.7# | 121   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.250 | 0.296 | -18.4  | 92    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.400 | 0.436 | -9.0   | 85    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.449 | 0.484 | -7.8   | 84    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.331 | 1.470 | -10.4  | 89    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.485 | 1.593 | -7.3   | 86    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.128 | 1.226 | -8.7   | 87    | 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             | 0.353 | 0.356 | -0.8  | 79    | 0.00     |
| 49   | Acenaphthylene             | 1.861 | 2.013 | -8.2  | 86    | 0.00     |
| 50   | Dimethylphthalate          | 1.541 | 1.640 | -6.4  | 86    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.315 | 0.355 | -12.7 | 87    | 0.00     |
| 52 C | Acenaphthene               | 1.196 | 1.301 | -8.8  | 86    | 0.00     |
| 53   | 3-Nitroaniline             | 0.353 | 0.389 | -10.2 | 85    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.150 | 0.179 | -19.3 | 91    | 0.00     |
| 55   | Dibenzofuran               | 1.757 | 1.904 | -8.4  | 87    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.273 | 0.267 | 2.2   | 73    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.436 | 0.508 | -16.5 | 89    | 0.00     |
| 58   | Fluorene                   | 1.480 | 1.608 | -8.6  | 87    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.405 | 0.425 | -4.9  | 83    | 0.00     |
| 60   | Diethylphthalate           | 1.539 | 1.588 | -3.2  | 82    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.730 | 0.817 | -11.9 | 89    | 0.00     |
| 62   | 4-Nitroaniline             | 0.360 | 0.395 | -9.7  | 84    | 0.00     |
| 63   | Azobenzene                 | 1.462 | 1.369 | 6.4   | 75    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 76    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.102 | 0.125 | -22.5 | 91    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.577 | 0.630 | -9.2  | 87    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.220 | 0.255 | -15.9 | 92    | 0.00     |
| 68   | Hexachlorobenzene          | 0.247 | 0.290 | -17.4 | 93    | 0.00     |
| 69   | Atrazine                   | 0.203 | 0.223 | -9.9  | 85    | 0.00     |
| 70 C | Pentachlorophenol          | 0.134 | 0.143 | -6.7  | 80    | 0.00     |
| 71   | Phenanthrene               | 1.065 | 1.150 | -8.0  | 86    | 0.00     |
| 72   | Anthracene                 | 1.036 | 1.132 | -9.3  | 86    | 0.00     |
| 73   | Carbazole                  | 0.954 | 1.023 | -7.2  | 84    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.208 | 1.256 | -4.0  | 81    | 0.00     |
| 75 C | Fluoranthene               | 1.296 | 1.407 | -8.6  | 85    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 79    | 0.00     |
| 77   | Benzidine                  | 0.495 | 0.496 | -0.2  | 75    | 0.00     |
| 78   | Pyrene                     | 1.395 | 1.476 | -5.8  | 85    | 0.00     |
| 79 S | Terphenyl-d14              | 1.009 | 1.083 | -7.3  | 88    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.582 | 0.586 | -0.7  | 82    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.356 | 1.454 | -7.2  | 88    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.475 | 0.557 | -17.3 | 94    | 0.00     |
| 83   | Chrysene                   | 1.297 | 1.402 | -8.1  | 89    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.838 | 0.856 | -2.1  | 84    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.421 | 1.474 | -3.7  | 85    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 82    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.518 | 1.682 | -10.8 | 93    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.255 | 1.351 | -7.6  | 90    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.263 | 1.354 | -7.2  | 92    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.072 | 1.164 | -8.6  | 91    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.237 | 1.379 | -11.5 | 94    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.250 | 1.377 | -10.2 | 93    | 0.00     |

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

(#) = Out of Range

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