

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081222\  
 Data File : BG054629.D  
 Acq On : 12 Aug 2022 19:38  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 13 03:20:34 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 13 00:32:40 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     | 92    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.381 | 0.442 | -16.0   | 110   | 0.00     |
| 3    | Pyridine                    | 0.967 | 1.191 | -23.2   | 107   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.541 | 0.702 | -29.8#  | 113   | 0.00     |
| 5 S  | 2-Fluorophenol              | 0.958 | 1.099 | -14.7   | 104   | 0.00     |
| 6    | Aniline                     | 1.515 | 1.704 | -12.5   | 101   | 0.00     |
| 7 S  | Phenol-d6                   | 1.313 | 1.508 | -14.9   | 103   | 0.00     |
| 8    | 2-Chlorophenol              | 1.101 | 1.242 | -12.8   | 102   | 0.00     |
| 9    | Benzaldehyde                | 0.737 | 0.879 | -19.3   | 122   | 0.00     |
| 10 C | Phenol                      | 1.304 | 1.497 | -14.8   | 104   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 0.951 | 1.099 | -15.6   | 107   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.341 | 1.466 | -9.3    | 99    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.385 | 1.529 | -10.4   | 100   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.306 | 1.449 | -10.9   | 101   | 0.00     |
| 15   | Benzyl Alcohol              | 1.080 | 1.200 | -11.1   | 97    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.198 | 1.540 | -28.5#  | 115   | 0.00     |
| 17   | 2-Methylphenol              | 0.940 | 1.061 | -12.9   | 101   | 0.00     |
| 18   | Hexachloroethane            | 0.459 | 0.533 | -16.1   | 105   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.877 | 1.017 | -16.0   | 102   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.324 | 1.475 | -11.4   | 100   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0     | 98    | 0.00     |
| 22   | Acetophenone                | 0.481 | 0.504 | -4.8    | 99    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.367 | 0.400 | -9.0    | 102   | 0.00     |
| 24   | Nitrobenzene                | 0.359 | 0.390 | -8.6    | 105   | 0.00     |
| 25   | Isophorone                  | 0.639 | 0.685 | -7.2    | 101   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.181 | 0.195 | -7.7    | 100   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.250 | 0.258 | -3.2    | 99    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.322 | 0.350 | -8.7    | 102   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.377 | 0.382 | -1.3    | 96    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.467 | 0.472 | -1.1    | 96    | 0.00     |
| 31   | Naphthalene                 | 1.004 | 1.044 | -4.0    | 99    | 0.00     |
| 32   | Benzoic acid                | 0.080 | 0.040 | 50.0#   | 42#   | 0.00     |
| 33   | 4-Chloroaniline             | 0.408 | 0.429 | -5.1    | 101   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.413 | 0.406 | 1.7     | 93    | 0.00     |
| 35   | Caprolactam                 | 0.095 | 0.103 | -8.4    | 108   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.343 | 0.360 | -5.0    | 102   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.771 | 0.788 | -2.2    | 99    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.751 | 0.759 | -1.1    | 98    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0     | 100   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.876 | 0.867 | 1.0     | 93    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.206 | 0.433 | -110.2# | 180#  | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.420 | 0.370 | 11.9    | 85    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.477 | 0.456 | 4.4     | 89    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.539 | 0.477 | 11.5    | 86    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.418 | 1.437 | -1.3    | 96    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.368 | 1.390 | -1.6    | 97    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.145 | 1.176 | -2.7    | 99    | 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             | 0.299 | 0.332 | -11.0 | 104   | 0.00     |
| 49   | Acenaphthylene             | 1.701 | 1.717 | -0.9  | 96    | 0.00     |
| 50   | Dimethylphthalate          | 1.562 | 1.564 | -0.1  | 97    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.343 | 0.351 | -2.3  | 99    | 0.00     |
| 52 C | Acenaphthene               | 1.030 | 1.053 | -2.2  | 98    | 0.00     |
| 53   | 3-Nitroaniline             | 0.287 | 0.301 | -4.9  | 102   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.166 | 0.178 | -7.2  | 102   | 0.00     |
| 55   | Dibenzofuran               | 1.833 | 1.833 | 0.0   | 97    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.191 | 0.212 | -11.0 | 105   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.491 | 0.504 | -2.6  | 97    | 0.00     |
| 58   | Fluorene                   | 1.507 | 1.532 | -1.7  | 99    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.525 | 0.412 | 21.5  | 74    | 0.00     |
| 60   | Diethylphthalate           | 1.499 | 1.539 | -2.7  | 99    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.989 | 0.981 | 0.8   | 95    | 0.00     |
| 62   | 4-Nitroaniline             | 0.301 | 0.314 | -4.3  | 100   | 0.00     |
| 63   | Azobenzene                 | 1.083 | 1.157 | -6.8  | 102   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.124 | 0.109 | 12.1  | 80    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.499 | 0.517 | -3.6  | 97    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.281 | 0.278 | 1.1   | 92    | 0.00     |
| 68   | Hexachlorobenzene          | 0.321 | 0.321 | 0.0   | 93    | 0.00     |
| 69   | Atrazine                   | 0.222 | 0.226 | -1.8  | 97    | 0.00     |
| 70 C | Pentachlorophenol          | 0.126 | 0.141 | -11.9 | 102   | 0.00     |
| 71   | Phenanthrene               | 0.996 | 1.026 | -3.0  | 97    | 0.00     |
| 72   | Anthracene                 | 0.977 | 1.000 | -2.4  | 97    | 0.00     |
| 73   | Carbazole                  | 0.805 | 0.842 | -4.6  | 100   | 0.00     |
| 74   | Di-n-butylphthalate        | 0.950 | 1.021 | -7.5  | 102   | 0.00     |
| 75 C | Fluoranthene               | 1.358 | 1.368 | -0.7  | 96    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 99    | 0.00     |
| 77   | Benzydine                  | 0.362 | 0.344 | 5.0   | 92    | 0.00     |
| 78   | Pyrene                     | 1.148 | 1.194 | -4.0  | 97    | 0.00     |
| 79 S | Terphenyl-d14              | 1.008 | 1.031 | -2.3  | 95    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.358 | 0.392 | -9.5  | 104   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.270 | 1.282 | -0.9  | 96    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.395 | 0.400 | -1.3  | 94    | 0.00     |
| 83   | Chrysene                   | 1.199 | 1.209 | -0.8  | 96    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.506 | 0.546 | -7.9  | 102   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 0.863 | 0.943 | -9.3  | 102   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.521 | 1.530 | -0.6  | 91    | -0.02    |
| 88   | Benzo(b)fluoranthene       | 1.183 | 1.229 | -3.9  | 93    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.177 | 1.230 | -4.5  | 96    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.010 | 1.050 | -4.0  | 94    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.251 | 1.267 | -1.3  | 92    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.235 | 1.249 | -1.1  | 92    | 0.00     |

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(#) = Out of Range

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