

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072622\  
 Data File : BG054392.D  
 Acq On : 26 Jul 2022 10:38  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 27 04:32:29 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 15 15:54:11 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    | 109   | -0.02    |
| 2    | 1,4-Dioxane                 | 0.381 | 0.384 | -0.8   | 114   | -0.01    |
| 3    | Pyridine                    | 0.967 | 1.056 | -9.2   | 113   | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.541 | 0.588 | -8.7   | 113   | -0.01    |
| 5 S  | 2-Fluorophenol              | 0.958 | 1.014 | -5.8   | 115   | 0.00     |
| 6    | Aniline                     | 1.515 | 1.604 | -5.9   | 114   | -0.01    |
| 7 S  | Phenol-d6                   | 1.313 | 1.403 | -6.9   | 115   | 0.00     |
| 8    | 2-Chlorophenol              | 1.101 | 1.174 | -6.6   | 116   | 0.00     |
| 9    | Benzaldehyde                | 0.737 | 0.761 | -3.3   | 126   | -0.01    |
| 10 C | Phenol                      | 1.304 | 1.398 | -7.2   | 116   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 0.951 | 1.006 | -5.8   | 117   | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 1.341 | 1.412 | -5.3   | 114   | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.385 | 1.434 | -3.5   | 112   | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 1.306 | 1.368 | -4.7   | 114   | -0.01    |
| 15   | Benzyl Alcohol              | 1.080 | 1.147 | -6.2   | 111   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.198 | 1.310 | -9.3   | 117   | 0.00     |
| 17   | 2-Methylphenol              | 0.940 | 1.007 | -7.1   | 114   | 0.00     |
| 18   | Hexachloroethane            | 0.459 | 0.499 | -8.7   | 118   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 0.877 | 0.919 | -4.8   | 110   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.324 | 1.395 | -5.4   | 113   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 113   | 0.00     |
| 22   | Acetophenone                | 0.481 | 0.485 | -0.8   | 110   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.367 | 0.380 | -3.5   | 112   | 0.00     |
| 24   | Nitrobenzene                | 0.359 | 0.371 | -3.3   | 114   | 0.00     |
| 25   | Isophorone                  | 0.639 | 0.651 | -1.9   | 110   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.181 | 0.189 | -4.4   | 112   | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.250 | 0.252 | -0.8   | 111   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.322 | 0.332 | -3.1   | 111   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.377 | 0.383 | -1.6   | 110   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.467 | 0.482 | -3.2   | 113   | -0.01    |
| 31   | Naphthalene                 | 1.004 | 1.024 | -2.0   | 112   | -0.01    |
| 32   | Benzoic acid                | 0.080 | 0.102 | -27.5# | 123   | 0.00     |
| 33   | 4-Chloroaniline             | 0.408 | 0.418 | -2.5   | 113   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.413 | 0.425 | -2.9   | 112   | -0.01    |
| 35   | Caprolactam                 | 0.095 | 0.098 | -3.2   | 119   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.343 | 0.350 | -2.0   | 114   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.771 | 0.771 | 0.0    | 111   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.751 | 0.751 | 0.0    | 112   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 113   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.876 | 0.878 | -0.2   | 106   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.206 | 0.223 | -8.3   | 105   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.420 | 0.416 | 1.0    | 107   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.477 | 0.500 | -4.8   | 110   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.539 | 0.541 | -0.4   | 110   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.418 | 1.428 | -0.7   | 108   | -0.01    |
| 46   | 1,1'-Biphenyl               | 1.368 | 1.404 | -2.6   | 111   | -0.01    |
| 47   | 2-Chloronaphthalene         | 1.145 | 1.169 | -2.1   | 111   | 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 | 0.310 | -3.7 | 109   | 0.00     |
| 49   | Acenaphthylene             | 1.701 | 1.732 | -1.8 | 110   | 0.00     |
| 50   | Dimethylphthalate          | 1.562 | 1.576 | -0.9 | 110   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.343 | 0.344 | -0.3 | 109   | 0.00     |
| 52 C | Acenaphthene               | 1.030 | 1.056 | -2.5 | 111   | 0.00     |
| 53   | 3-Nitroaniline             | 0.287 | 0.298 | -3.8 | 114   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.166 | 0.166 | 0.0  | 108   | 0.00     |
| 55   | Dibenzofuran               | 1.833 | 1.821 | 0.7  | 109   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.191 | 0.179 | 6.3  | 100   | 0.02     |
| 57   | 2,4-Dinitrotoluene         | 0.491 | 0.495 | -0.8 | 108   | 0.00     |
| 58   | Fluorene                   | 1.507 | 1.505 | 0.1  | 109   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.525 | 0.519 | 1.1  | 105   | 0.00     |
| 60   | Diethylphthalate           | 1.499 | 1.502 | -0.2 | 110   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.989 | 0.999 | -1.0 | 110   | 0.00     |
| 62   | 4-Nitroaniline             | 0.301 | 0.315 | -4.7 | 114   | 0.00     |
| 63   | Azobenzene                 | 1.083 | 1.107 | -2.2 | 110   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 109   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.124 | 0.125 | -0.8 | 104   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.499 | 0.522 | -4.6 | 110   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.281 | 0.284 | -1.1 | 106   | 0.00     |
| 68   | Hexachlorobenzene          | 0.321 | 0.324 | -0.9 | 106   | 0.00     |
| 69   | Atrazine                   | 0.222 | 0.219 | 1.4  | 106   | 0.00     |
| 70 C | Pentachlorophenol          | 0.126 | 0.112 | 11.1 | 91    | 0.00     |
| 71   | Phenanthrene               | 0.996 | 1.013 | -1.7 | 108   | 0.00     |
| 72   | Anthracene                 | 0.977 | 0.997 | -2.0 | 108   | 0.00     |
| 73   | Carbazole                  | 0.805 | 0.825 | -2.5 | 110   | 0.00     |
| 74   | Di-n-butylphthalate        | 0.950 | 0.976 | -2.7 | 110   | 0.00     |
| 75 C | Fluoranthene               | 1.358 | 1.301 | 4.2  | 103   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 102   | 0.00     |
| 77   | Benzydine                  | 0.362 | 0.358 | 1.1  | 99    | 0.00     |
| 78   | Pyrene                     | 1.148 | 1.229 | -7.1 | 103   | 0.00     |
| 79 S | Terphenyl-d14              | 1.008 | 1.057 | -4.9 | 101   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.358 | 0.385 | -7.5 | 105   | -0.01    |
| 81   | Benzo(a)anthracene         | 1.270 | 1.294 | -1.9 | 100   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.395 | 0.418 | -5.8 | 102   | 0.00     |
| 83   | Chrysene                   | 1.199 | 1.238 | -3.3 | 101   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.506 | 0.530 | -4.7 | 103   | -0.01    |
| 85 c | Di-n-octyl phthalate       | 0.863 | 0.922 | -6.8 | 103   | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 101   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.521 | 1.540 | -1.2 | 100   | 0.01     |
| 88   | Benzo(b)fluoranthene       | 1.183 | 1.207 | -2.0 | 100   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.177 | 1.179 | -0.2 | 100   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.010 | 1.027 | -1.7 | 100   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.251 | 1.287 | -2.9 | 101   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.235 | 1.265 | -2.4 | 101   | 0.00     |

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

(#) = Out of Range

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