

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081723\  
 Data File : BG058754.D  
 Acq On : 17 Aug 2023 9:09  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 18 01:49:08 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 28 22:29:07 2023  
 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  | 70    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.634 | 0.550 | 13.2 | 61    | 0.00     |
| 3    | Pyridine                    | 1.729 | 1.536 | 11.2 | 62    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.732 | 0.794 | -8.5 | 76    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.309 | 1.228 | 6.2  | 66    | 0.00     |
| 6    | Aniline                     | 2.242 | 1.991 | 11.2 | 60    | 0.00     |
| 7 S  | Phenol-d6                   | 1.821 | 1.698 | 6.8  | 64    | 0.00     |
| 8    | 2-Chlorophenol              | 1.284 | 1.209 | 5.8  | 66    | 0.00     |
| 9    | Benzaldehyde                | 0.989 | 0.808 | 18.3 | 60    | 0.00     |
| 10 C | Phenol                      | 1.779 | 1.643 | 7.6  | 64    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.402 | 1.242 | 11.4 | 63    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.371 | 1.285 | 6.3  | 66    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.376 | 1.305 | 5.2  | 67    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.316 | 1.222 | 7.1  | 65    | 0.00     |
| 15   | Benzyl Alcohol              | 1.155 | 1.201 | -4.0 | 69    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.278 | 2.465 | -8.2 | 76    | 0.00     |
| 17   | 2-Methylphenol              | 1.300 | 1.175 | 9.6  | 63    | 0.00     |
| 18   | Hexachloroethane            | 0.500 | 0.479 | 4.2  | 67    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.176 | 1.002 | 14.8 | 60    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.759 | 1.573 | 10.6 | 61    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 66    | 0.00     |
| 22   | Acetophenone                | 0.536 | 0.519 | 3.2  | 62    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.407 | 0.406 | 0.2  | 64    | 0.00     |
| 24   | Nitrobenzene                | 0.414 | 0.413 | 0.2  | 64    | 0.00     |
| 25   | Isophorone                  | 0.841 | 0.783 | 6.9  | 60    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.180 | 0.175 | 2.8  | 61    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.299 | 0.292 | 2.3  | 62    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.458 | 0.420 | 8.3  | 58    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.310 | 0.309 | 0.3  | 63    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.358 | 0.355 | 0.8  | 64    | 0.00     |
| 31   | Naphthalene                 | 1.054 | 0.997 | 5.4  | 62    | 0.00     |
| 32   | Benzoic acid                | 0.207 | 0.170 | 17.9 | 47#   | 0.00     |
| 33   | 4-Chloroaniline             | 0.445 | 0.442 | 0.7  | 61    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.230 | 0.236 | -2.6 | 67    | 0.00     |
| 35   | Caprolactam                 | 0.115 | 0.104 | 9.6  | 57    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.384 | 0.372 | 3.1  | 62    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.754 | 0.720 | 4.5  | 62    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.717 | 0.673 | 6.1  | 62    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 66    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.614 | 0.589 | 4.1  | 64    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.236 | 0.197 | 16.5 | 52    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.328 | 0.302 | 7.9  | 60    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.422 | 0.396 | 6.2  | 60    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.497 | 0.460 | 7.4  | 61    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.335 | 1.255 | 6.0  | 63    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.374 | 1.279 | 6.9  | 62    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.071 | 1.004 | 6.3  | 62    | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 0.409 | 0.414 | -1.2  | 64    | 0.00     |
| 49   | Acenaphthylene             | 1.793 | 1.666 | 7.1   | 61    | 0.00     |
| 50   | Dimethylphthalate          | 1.502 | 1.444 | 3.9   | 64    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.330 | 0.321 | 2.7   | 64    | 0.00     |
| 52 C | Acenaphthene               | 1.036 | 0.963 | 7.0   | 62    | 0.00     |
| 53   | 3-Nitroaniline             | 0.330 | 0.315 | 4.5   | 60    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.150 | 0.146 | 2.7   | 59    | 0.00     |
| 55   | Dibenzofuran               | 1.780 | 1.678 | 5.7   | 63    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.222 | 0.205 | 7.7   | 55    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.457 | 0.451 | 1.3   | 63    | 0.00     |
| 58   | Fluorene                   | 1.414 | 1.344 | 5.0   | 64    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.424 | 0.396 | 6.6   | 61    | 0.00     |
| 60   | Diethylphthalate           | 1.530 | 1.493 | 2.4   | 65    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.788 | 0.761 | 3.4   | 65    | 0.00     |
| 62   | 4-Nitroaniline             | 0.312 | 0.323 | -3.5  | 63    | 0.00     |
| 63   | Azobenzene                 | 1.507 | 1.394 | 7.5   | 61    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 67    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.110 | 0.107 | 2.7   | 61    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.521 | 0.492 | 5.6   | 63    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.227 | 0.215 | 5.3   | 63    | 0.00     |
| 68   | Hexachlorobenzene          | 0.240 | 0.223 | 7.1   | 63    | 0.00     |
| 69   | Atrazine                   | 0.176 | 0.167 | 5.1   | 63    | 0.00     |
| 70 C | Pentachlorophenol          | 0.145 | 0.121 | 16.6  | 52    | 0.00     |
| 71   | Phenanthrene               | 0.948 | 0.884 | 6.8   | 62    | 0.00     |
| 72   | Anthracene                 | 0.973 | 0.902 | 7.3   | 62    | 0.00     |
| 73   | Carbazole                  | 0.858 | 0.812 | 5.4   | 61    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.075 | 1.036 | 3.6   | 63    | 0.00     |
| 75 C | Fluoranthene               | 1.139 | 1.061 | 6.8   | 61    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 62    | 0.00     |
| 77   | Benzydine                  | 0.303 | 0.358 | -18.2 | 60    | 0.00     |
| 78   | Pyrene                     | 1.361 | 1.344 | 1.2   | 62    | 0.00     |
| 79 S | Terphenyl-d14              | 1.064 | 1.053 | 1.0   | 62    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.559 | 0.567 | -1.4  | 62    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.376 | 1.345 | 2.3   | 61    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.465 | 0.460 | 1.1   | 60    | 0.00     |
| 83   | Chrysene                   | 1.320 | 1.287 | 2.5   | 61    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.817 | 0.851 | -4.2  | 64    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.436 | 1.448 | -0.8  | 62    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 60    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.331 | 1.325 | 0.5   | 59    | 0.02     |
| 88   | Benzo(b)fluoranthene       | 1.085 | 1.110 | -2.3  | 60    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.090 | 1.098 | -0.7  | 60    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.065 | 1.083 | -1.7  | 60    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.100 | 1.105 | -0.5  | 59    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.103 | 1.089 | 1.3   | 58    | 0.00     |

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

(#) = Out of Range

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