

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072823\  
 Data File : BG058521.D  
 Acq On : 28 Jul 2023 16:55  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 28 22:53:38 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   | 82    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.634 | 0.685 | -8.0  | 89    | 0.00     |
| 3    | Pyridine                    | 1.729 | 1.910 | -10.5 | 89    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.732 | 0.792 | -8.2  | 88    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.309 | 1.416 | -8.2  | 88    | 0.00     |
| 6    | Aniline                     | 2.242 | 2.564 | -14.4 | 90    | 0.00     |
| 7 S  | Phenol-d6                   | 1.821 | 2.064 | -13.3 | 91    | 0.00     |
| 8    | 2-Chlorophenol              | 1.284 | 1.450 | -12.9 | 92    | 0.00     |
| 9    | Benzaldehyde                | 0.989 | 1.036 | -4.8  | 89    | 0.00     |
| 10 C | Phenol                      | 1.779 | 2.019 | -13.5 | 91    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.402 | 1.564 | -11.6 | 92    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.371 | 1.517 | -10.6 | 90    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.376 | 1.507 | -9.5  | 89    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.316 | 1.448 | -10.0 | 90    | 0.00     |
| 15   | Benzyl Alcohol              | 1.155 | 1.398 | -21.0 | 92    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.278 | 2.524 | -10.8 | 91    | 0.00     |
| 17   | 2-Methylphenol              | 1.300 | 1.475 | -13.5 | 92    | 0.00     |
| 18   | Hexachloroethane            | 0.500 | 0.550 | -10.0 | 90    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.176 | 1.381 | -17.4 | 95    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.759 | 2.057 | -16.9 | 92    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 85    | 0.00     |
| 22   | Acetophenone                | 0.536 | 0.599 | -11.8 | 94    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.407 | 0.454 | -11.5 | 93    | 0.00     |
| 24   | Nitrobenzene                | 0.414 | 0.455 | -9.9  | 92    | 0.00     |
| 25   | Isophorone                  | 0.841 | 0.954 | -13.4 | 96    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.180 | 0.200 | -11.1 | 90    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.299 | 0.342 | -14.4 | 95    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.458 | 0.519 | -13.3 | 93    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.310 | 0.355 | -14.5 | 94    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.358 | 0.385 | -7.5  | 91    | 0.00     |
| 31   | Naphthalene                 | 1.054 | 1.169 | -10.9 | 94    | 0.00     |
| 32   | Benzoic acid                | 0.207 | 0.242 | -16.9 | 88    | 0.00     |
| 33   | 4-Chloroaniline             | 0.445 | 0.530 | -19.1 | 95    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.230 | 0.247 | -7.4  | 91    | 0.00     |
| 35   | Caprolactam                 | 0.115 | 0.135 | -17.4 | 96    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.384 | 0.442 | -15.1 | 95    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.754 | 0.855 | -13.4 | 95    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.717 | 0.805 | -12.3 | 96    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.614 | 0.665 | -8.3  | 95    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.236 | 0.263 | -11.4 | 92    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.328 | 0.364 | -11.0 | 96    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.422 | 0.466 | -10.4 | 94    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.497 | 0.541 | -8.9  | 95    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.335 | 1.448 | -8.5  | 97    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.374 | 1.511 | -10.0 | 97    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.071 | 1.160 | -8.3  | 95    | 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 | 0.464 | -13.4  | 95    | 0.00     |
| 49   | Acenaphthylene             | 1.793 | 1.993 | -11.2  | 97    | 0.00     |
| 50   | Dimethylphthalate          | 1.502 | 1.656 | -10.3  | 97    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.330 | 0.372 | -12.7  | 97    | 0.00     |
| 52 C | Acenaphthene               | 1.036 | 1.145 | -10.5  | 97    | 0.00     |
| 53   | 3-Nitroaniline             | 0.330 | 0.381 | -15.5  | 96    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.150 | 0.179 | -19.3  | 96    | 0.00     |
| 55   | Dibenzofuran               | 1.780 | 1.963 | -10.3  | 97    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.222 | 0.256 | -15.3  | 91    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.457 | 0.518 | -13.3  | 96    | 0.00     |
| 58   | Fluorene                   | 1.414 | 1.543 | -9.1   | 97    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.424 | 0.466 | -9.9   | 95    | 0.00     |
| 60   | Diethylphthalate           | 1.530 | 1.676 | -9.5   | 96    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.788 | 0.867 | -10.0  | 97    | 0.00     |
| 62   | 4-Nitroaniline             | 0.312 | 0.379 | -21.5  | 98    | 0.00     |
| 63   | Azobenzene                 | 1.507 | 1.669 | -10.7  | 97    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 88    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.110 | 0.127 | -15.5  | 95    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.521 | 0.569 | -9.2   | 96    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.227 | 0.250 | -10.1  | 97    | 0.00     |
| 68   | Hexachlorobenzene          | 0.240 | 0.262 | -9.2   | 97    | 0.00     |
| 69   | Atrazine                   | 0.176 | 0.199 | -13.1  | 99    | 0.00     |
| 70 C | Pentachlorophenol          | 0.145 | 0.164 | -13.1  | 93    | 0.00     |
| 71   | Phenanthrene               | 0.948 | 1.021 | -7.7   | 95    | 0.00     |
| 72   | Anthracene                 | 0.973 | 1.056 | -8.5   | 95    | 0.00     |
| 73   | Carbazole                  | 0.858 | 0.959 | -11.8  | 95    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.075 | 1.193 | -11.0  | 96    | 0.00     |
| 75 C | Fluoranthene               | 1.139 | 1.233 | -8.3   | 94    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 86    | 0.00     |
| 77   | Benzydine                  | 0.303 | 0.411 | -35.6# | 96    | 0.00     |
| 78   | Pyrene                     | 1.361 | 1.491 | -9.6   | 94    | 0.00     |
| 79 S | Terphenyl-d14              | 1.064 | 1.165 | -9.5   | 95    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.559 | 0.626 | -12.0  | 95    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.376 | 1.510 | -9.7   | 94    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.465 | 0.524 | -12.7  | 94    | 0.00     |
| 83   | Chrysene                   | 1.320 | 1.450 | -9.8   | 94    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.817 | 0.910 | -11.4  | 94    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.436 | 1.605 | -11.8  | 94    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 87    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.331 | 1.485 | -11.6  | 94    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.085 | 1.203 | -10.9  | 93    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.090 | 1.200 | -10.1  | 94    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.065 | 1.183 | -11.1  | 94    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.100 | 1.229 | -11.7  | 94    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.103 | 1.208 | -9.5   | 93    | 0.00     |

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

(#) = Out of Range

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