

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102422\  
 Data File : BG055259.D  
 Acq On : 24 Oct 2022 16:35  
 Operator : CG/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ICVBG102422

Quant Time: Oct 24 17:10:52 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 24 16:54:05 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   | 117   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.552 | 0.589 | -6.7  | 123   | 0.00     |
| 3    | Pyridine                    | 1.661 | 1.772 | -6.7  | 114   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.738 | 0.740 | -0.3  | 115   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.142 | 1.207 | -5.7  | 122   | 0.00     |
| 6    | Aniline                     | 2.166 | 2.195 | -1.3  | 111   | 0.00     |
| 7 S  | Phenol-d6                   | 1.655 | 1.690 | -2.1  | 113   | 0.00     |
| 8    | 2-Chlorophenol              | 1.328 | 1.363 | -2.6  | 116   | 0.00     |
| 9    | Benzaldehyde                | 1.130 | 1.108 | 1.9   | 117   | 0.00     |
| 10 C | Phenol                      | 1.854 | 1.905 | -2.8  | 115   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.399 | 1.435 | -2.6  | 116   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.449 | 1.524 | -5.2  | 120   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.480 | 1.539 | -4.0  | 119   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.425 | 1.476 | -3.6  | 118   | 0.00     |
| 15   | Benzyl Alcohol              | 1.385 | 1.406 | -1.5  | 111   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.290 | 2.290 | 0.0   | 113   | 0.00     |
| 17   | 2-Methylphenol              | 1.311 | 1.332 | -1.6  | 112   | 0.00     |
| 18   | Hexachloroethane            | 0.527 | 0.556 | -5.5  | 121   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.374 | 1.355 | 1.4   | 108   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.878 | 1.893 | -0.8  | 110   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 110   | 0.00     |
| 22   | Acetophenone                | 0.511 | 0.528 | -3.3  | 108   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.392 | 0.406 | -3.6  | 109   | 0.00     |
| 24   | Nitrobenzene                | 0.408 | 0.428 | -4.9  | 110   | 0.00     |
| 25   | Isophorone                  | 0.791 | 0.798 | -0.9  | 104   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.179 | 0.191 | -6.7  | 110   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.279 | 0.300 | -7.5  | 113   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.399 | 0.415 | -4.0  | 108   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.299 | 0.314 | -5.0  | 109   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.305 | 0.322 | -5.6  | 111   | 0.00     |
| 31   | Naphthalene                 | 1.067 | 1.110 | -4.0  | 109   | 0.00     |
| 32   | Benzoic acid                | 0.194 | 0.195 | -0.5  | 97    | 0.00     |
| 33   | 4-Chloroaniline             | 0.456 | 0.464 | -1.8  | 104   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.174 | 0.186 | -6.9  | 114   | 0.00     |
| 35   | Caprolactam                 | 0.139 | 0.134 | 3.6   | 96    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.376 | 0.380 | -1.1  | 101   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.769 | 0.782 | -1.7  | 105   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.759 | 0.767 | -1.1  | 105   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.482 | 0.523 | -8.5  | 105   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.198 | 0.247 | -24.7 | 110   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.217 | 0.234 | -7.8  | 97    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.356 | 0.385 | -8.1  | 101   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.394 | 0.430 | -9.1  | 99    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.222 | 1.291 | -5.6  | 102   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.372 | 1.482 | -8.0  | 103   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.082 | 1.149 | -6.2  | 102   | 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             | 0.423 | 0.450 | -6.4  | 98    | 0.00     |
| 49   | Acenaphthylene             | 1.867 | 1.961 | -5.0  | 99    | 0.00     |
| 50   | Dimethylphthalate          | 1.570 | 1.621 | -3.2  | 97    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.320 | 0.341 | -6.6  | 97    | 0.00     |
| 52 C | Acenaphthene               | 1.190 | 1.278 | -7.4  | 100   | 0.00     |
| 53   | 3-Nitroaniline             | 0.402 | 0.428 | -6.5  | 97    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.153 | 0.187 | -22.2 | 104   | 0.00     |
| 55   | Dibenzofuran               | 1.786 | 1.857 | -4.0  | 98    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.287 | 0.316 | -10.1 | 96    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.464 | 0.494 | -6.5  | 98    | 0.00     |
| 58   | Fluorene                   | 1.486 | 1.538 | -3.5  | 98    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.351 | 0.383 | -9.1  | 99    | 0.00     |
| 60   | Diethylphthalate           | 1.670 | 1.734 | -3.8  | 97    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.683 | 0.718 | -5.1  | 99    | 0.00     |
| 62   | 4-Nitroaniline             | 0.422 | 0.453 | -7.3  | 99    | 0.00     |
| 63   | Azobenzene                 | 1.627 | 1.703 | -4.7  | 98    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.110 | 0.125 | -13.6 | 100   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.557 | 0.588 | -5.6  | 97    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.194 | 0.204 | -5.2  | 95    | 0.00     |
| 68   | Hexachlorobenzene          | 0.220 | 0.229 | -4.1  | 97    | 0.00     |
| 69   | Atrazine                   | 0.189 | 0.208 | -10.1 | 100   | 0.00     |
| 70 C | Pentachlorophenol          | 0.108 | 0.125 | -15.7 | 98    | 0.00     |
| 71   | Phenanthrene               | 1.067 | 1.117 | -4.7  | 96    | 0.00     |
| 72   | Anthracene                 | 1.043 | 1.111 | -6.5  | 97    | 0.00     |
| 73   | Carbazole                  | 1.003 | 1.059 | -5.6  | 98    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.254 | 1.381 | -10.1 | 103   | 0.00     |
| 75 C | Fluoranthene               | 1.243 | 1.322 | -6.4  | 100   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 102   | 0.00     |
| 77   | Benzydine                  | 0.484 | 0.541 | -11.8 | 101   | 0.00     |
| 78   | Pyrene                     | 1.371 | 1.408 | -2.7  | 99    | 0.00     |
| 79 S | Terphenyl-d14              | 0.963 | 0.987 | -2.5  | 100   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.648 | 0.674 | -4.0  | 105   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.343 | 1.351 | -0.6  | 101   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.437 | 0.459 | -5.0  | 103   | 0.00     |
| 83   | Chrysene                   | 1.276 | 1.280 | -0.3  | 101   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.925 | 0.970 | -4.9  | 106   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.542 | 1.637 | -6.2  | 106   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.477 | 1.527 | -3.4  | 103   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.203 | 1.244 | -3.4  | 104   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.215 | 1.270 | -4.5  | 105   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.032 | 1.076 | -4.3  | 104   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.212 | 1.246 | -2.8  | 103   | -0.02    |
| 92   | Benzo(g,h,i)perylene       | 1.202 | 1.243 | -3.4  | 104   | 0.00     |

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

(#) = Out of Range

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