

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG012723\  
 Data File : BG056461.D  
 Acq On : 27 Jan 2023 17:47  
 Operator : CG/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ICVBG012723

Quant Time: Jan 28 00:41:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 28 00:39:13 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  | 91    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.453 | 0.450 | 0.7  | 92    | 0.00     |
| 3    | Pyridine                    | 1.349 | 1.406 | -4.2 | 93    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.287 | 0.291 | -1.4 | 92    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.087 | 1.138 | -4.7 | 95    | 0.00     |
| 6    | Aniline                     | 2.109 | 2.220 | -5.3 | 94    | 0.00     |
| 7 S  | Phenol-d6                   | 1.611 | 1.710 | -6.1 | 95    | 0.00     |
| 8    | 2-Chlorophenol              | 1.194 | 1.234 | -3.4 | 94    | 0.00     |
| 9    | Benzaldehyde                | 0.801 | 0.793 | 1.0  | 101   | 0.00     |
| 10 C | Phenol                      | 1.637 | 1.710 | -4.5 | 95    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.125 | 1.174 | -4.4 | 94    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.375 | 1.433 | -4.2 | 96    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.393 | 1.445 | -3.7 | 96    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.351 | 1.404 | -3.9 | 94    | 0.00     |
| 15   | Benzyl Alcohol              | 1.105 | 1.189 | -7.6 | 94    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 0.238 | 0.245 | -2.9 | 91    | 0.00     |
| 17   | 2-Methylphenol              | 1.246 | 1.343 | -7.8 | 96    | 0.00     |
| 18   | Hexachloroethane            | 0.421 | 0.423 | -0.5 | 92    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.928 | 0.991 | -6.8 | 94    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.746 | 1.896 | -8.6 | 95    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 96    | 0.00     |
| 22   | Acetophenone                | 0.531 | 0.535 | -0.8 | 94    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.352 | 0.357 | -1.4 | 96    | 0.00     |
| 24   | Nitrobenzene                | 0.340 | 0.344 | -1.2 | 95    | 0.00     |
| 25   | Isophorone                  | 0.727 | 0.739 | -1.7 | 94    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.206 | 0.212 | -2.9 | 95    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.345 | 0.355 | -2.9 | 96    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.401 | 0.402 | -0.2 | 94    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.388 | 0.401 | -3.4 | 95    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.431 | 0.442 | -2.6 | 95    | 0.00     |
| 31   | Naphthalene                 | 1.056 | 1.074 | -1.7 | 95    | 0.00     |
| 32   | Benzoic acid                | 0.193 | 0.190 | 1.6  | 89    | 0.00     |
| 33   | 4-Chloroaniline             | 0.493 | 0.503 | -2.0 | 93    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.303 | 0.313 | -3.3 | 97    | 0.00     |
| 35   | Caprolactam                 | 0.131 | 0.131 | 0.0  | 92    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.375 | 0.389 | -3.7 | 95    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.870 | 0.897 | -3.1 | 95    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.813 | 0.828 | -1.8 | 94    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 94    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.731 | 0.731 | 0.0  | 94    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.325 | 0.347 | -6.8 | 96    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.266 | 0.272 | -2.3 | 95    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.471 | 0.482 | -2.3 | 93    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.551 | 0.564 | -2.4 | 95    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.443 | 1.458 | -1.0 | 95    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.451 | 1.474 | -1.6 | 95    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.134 | 1.142 | -0.7 | 95    | 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             | 0.234 | 0.241 | -3.0 | 94    | 0.00     |
| 49   | Acenaphthylene             | 1.845 | 1.875 | -1.6 | 94    | 0.00     |
| 50   | Dimethylphthalate          | 1.618 | 1.632 | -0.9 | 94    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.353 | 0.360 | -2.0 | 96    | 0.00     |
| 52 C | Acenaphthene               | 1.094 | 1.098 | -0.4 | 93    | 0.00     |
| 53   | 3-Nitroaniline             | 0.342 | 0.346 | -1.2 | 93    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.221 | 0.236 | -6.8 | 94    | 0.00     |
| 55   | Dibenzofuran               | 1.962 | 1.987 | -1.3 | 94    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.234 | 0.244 | -4.3 | 93    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.497 | 0.511 | -2.8 | 94    | 0.00     |
| 58   | Fluorene                   | 1.561 | 1.576 | -1.0 | 94    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.490 | 0.524 | -6.9 | 95    | 0.00     |
| 60   | Diethylphthalate           | 1.519 | 1.529 | -0.7 | 94    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.953 | 0.974 | -2.2 | 95    | 0.00     |
| 62   | 4-Nitroaniline             | 0.342 | 0.356 | -4.1 | 96    | 0.00     |
| 63   | Azobenzene                 | 1.045 | 1.053 | -0.8 | 93    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 96    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.141 | 0.145 | -2.8 | 94    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.566 | 0.578 | -2.1 | 96    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.256 | 0.264 | -3.1 | 95    | 0.00     |
| 68   | Hexachlorobenzene          | 0.251 | 0.256 | -2.0 | 95    | 0.00     |
| 69   | Atrazine                   | 0.218 | 0.228 | -4.6 | 95    | 0.00     |
| 70 C | Pentachlorophenol          | 0.152 | 0.156 | -2.6 | 93    | 0.00     |
| 71   | Phenanthrene               | 1.047 | 1.055 | -0.8 | 95    | 0.00     |
| 72   | Anthracene                 | 1.075 | 1.093 | -1.7 | 95    | 0.00     |
| 73   | Carbazole                  | 0.915 | 0.929 | -1.5 | 96    | 0.00     |
| 74   | Di-n-butylphthalate        | 0.961 | 0.963 | -0.2 | 95    | 0.00     |
| 75 C | Fluoranthene               | 1.321 | 1.322 | -0.1 | 94    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 97    | 0.00     |
| 77   | Benzydine                  | 0.541 | 0.534 | 1.3  | 94    | 0.00     |
| 78   | Pyrene                     | 1.422 | 1.405 | 1.2  | 95    | 0.00     |
| 79 S | Terphenyl-d14              | 1.139 | 1.139 | 0.0  | 96    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.434 | 0.428 | 1.4  | 94    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.398 | 1.417 | -1.4 | 96    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.504 | 0.492 | 2.4  | 93    | 0.00     |
| 83   | Chrysene                   | 1.314 | 1.340 | -2.0 | 98    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.623 | 0.627 | -0.6 | 97    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.037 | 1.048 | -1.1 | 96    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 96    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.464 | 1.502 | -2.6 | 97    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.241 | 1.285 | -3.5 | 98    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.253 | 1.292 | -3.1 | 98    | -0.01    |
| 90 C | Benzo(a)pyrene             | 1.223 | 1.256 | -2.7 | 98    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.229 | 1.261 | -2.6 | 98    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.186 | 1.220 | -2.9 | 97    | 0.00     |

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(#) = Out of Range

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