

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020823\  
 Data File : BG056579.D  
 Acq On : 8 Feb 2023 12:54  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 09 02:06:01 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 08 03:02:11 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  | 101   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.453 | 0.455 | -0.4 | 103   | 0.00     |
| 3    | Pyridine                    | 1.349 | 1.347 | 0.1  | 98    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.287 | 0.293 | -2.1 | 102   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.087 | 1.100 | -1.2 | 102   | 0.00     |
| 6    | Aniline                     | 2.109 | 2.095 | 0.7  | 98    | 0.00     |
| 7 S  | Phenol-d6                   | 1.611 | 1.616 | -0.3 | 99    | 0.00     |
| 8    | 2-Chlorophenol              | 1.194 | 1.193 | 0.1  | 100   | 0.00     |
| 9    | Benzaldehyde                | 0.801 | 0.739 | 7.7  | 104   | 0.00     |
| 10 C | Phenol                      | 1.637 | 1.613 | 1.5  | 99    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.125 | 1.136 | -1.0 | 100   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.375 | 1.380 | -0.4 | 103   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.393 | 1.389 | 0.3  | 102   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.351 | 1.344 | 0.5  | 100   | 0.00     |
| 15   | Benzyl Alcohol              | 1.105 | 1.113 | -0.7 | 97    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 0.238 | 0.258 | -8.4 | 106   | 0.01     |
| 17   | 2-Methylphenol              | 1.246 | 1.245 | 0.1  | 99    | 0.00     |
| 18   | Hexachloroethane            | 0.421 | 0.414 | 1.7  | 100   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.928 | 0.920 | 0.9  | 96    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.746 | 1.767 | -1.2 | 98    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 101   | 0.00     |
| 22   | Acetophenone                | 0.531 | 0.521 | 1.9  | 97    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.352 | 0.344 | 2.3  | 98    | 0.00     |
| 24   | Nitrobenzene                | 0.340 | 0.342 | -0.6 | 100   | 0.00     |
| 25   | Isophorone                  | 0.727 | 0.700 | 3.7  | 94    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.206 | 0.206 | 0.0  | 97    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.345 | 0.342 | 0.9  | 97    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.401 | 0.395 | 1.5  | 98    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.388 | 0.381 | 1.8  | 95    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.431 | 0.421 | 2.3  | 96    | 0.00     |
| 31   | Naphthalene                 | 1.056 | 1.049 | 0.7  | 98    | 0.00     |
| 32   | Benzoic acid                | 0.193 | 0.175 | 9.3  | 87    | 0.01     |
| 33   | 4-Chloroaniline             | 0.493 | 0.496 | -0.6 | 97    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.303 | 0.302 | 0.3  | 99    | 0.00     |
| 35   | Caprolactam                 | 0.131 | 0.126 | 3.8  | 94    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.375 | 0.376 | -0.3 | 97    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.870 | 0.858 | 1.4  | 97    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.813 | 0.797 | 2.0  | 96    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 97    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.731 | 0.722 | 1.2  | 96    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.325 | 0.356 | -9.5 | 102   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.266 | 0.255 | 4.1  | 92    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.471 | 0.465 | 1.3  | 93    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.551 | 0.536 | 2.7  | 94    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.443 | 1.416 | 1.9  | 95    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.451 | 1.430 | 1.4  | 95    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.134 | 1.110 | 2.1  | 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 | 0.238 | -1.7 | 96    | 0.00     |
| 49   | Acenaphthylene             | 1.845 | 1.818 | 1.5  | 94    | 0.00     |
| 50   | Dimethylphthalate          | 1.618 | 1.577 | 2.5  | 94    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.353 | 0.348 | 1.4  | 96    | 0.00     |
| 52 C | Acenaphthene               | 1.094 | 1.060 | 3.1  | 93    | 0.00     |
| 53   | 3-Nitroaniline             | 0.342 | 0.347 | -1.5 | 96    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.221 | 0.218 | 1.4  | 89    | 0.00     |
| 55   | Dibenzofuran               | 1.962 | 1.929 | 1.7  | 94    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.234 | 0.208 | 11.1 | 82    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.497 | 0.500 | -0.6 | 95    | 0.00     |
| 58   | Fluorene                   | 1.561 | 1.533 | 1.8  | 94    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.490 | 0.465 | 5.1  | 87    | 0.00     |
| 60   | Diethylphthalate           | 1.519 | 1.468 | 3.4  | 93    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.953 | 0.931 | 2.3  | 94    | 0.00     |
| 62   | 4-Nitroaniline             | 0.342 | 0.341 | 0.3  | 95    | 0.00     |
| 63   | Azobenzene                 | 1.045 | 1.020 | 2.4  | 93    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 96    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.141 | 0.134 | 5.0  | 87    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.566 | 0.569 | -0.5 | 95    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.256 | 0.257 | -0.4 | 93    | 0.00     |
| 68   | Hexachlorobenzene          | 0.251 | 0.249 | 0.8  | 93    | 0.00     |
| 69   | Atrazine                   | 0.218 | 0.226 | -3.7 | 95    | 0.00     |
| 70 C | Pentachlorophenol          | 0.152 | 0.134 | 11.8 | 80    | 0.00     |
| 71   | Phenanthrene               | 1.047 | 1.027 | 1.9  | 92    | 0.00     |
| 72   | Anthracene                 | 1.075 | 1.063 | 1.1  | 93    | 0.00     |
| 73   | Carbazole                  | 0.915 | 0.901 | 1.5  | 93    | 0.00     |
| 74   | Di-n-butylphthalate        | 0.961 | 0.948 | 1.4  | 94    | 0.00     |
| 75 C | Fluoranthene               | 1.321 | 1.274 | 3.6  | 91    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 94    | 0.00     |
| 77   | Benzydine                  | 0.541 | 0.491 | 9.2  | 84    | 0.00     |
| 78   | Pyrene                     | 1.422 | 1.403 | 1.3  | 91    | 0.00     |
| 79 S | Terphenyl-d14              | 1.139 | 1.111 | 2.5  | 91    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.434 | 0.433 | 0.2  | 92    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.398 | 1.378 | 1.4  | 91    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.504 | 0.499 | 1.0  | 91    | 0.00     |
| 83   | Chrysene                   | 1.314 | 1.293 | 1.6  | 92    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.623 | 0.607 | 2.6  | 90    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.037 | 1.031 | 0.6  | 91    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 93    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.464 | 1.441 | 1.6  | 90    | 0.01     |
| 88   | Benzo(b)fluoranthene       | 1.241 | 1.224 | 1.4  | 90    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.253 | 1.247 | 0.5  | 91    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.223 | 1.213 | 0.8  | 91    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.229 | 1.219 | 0.8  | 91    | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 1.186 | 1.182 | 0.3  | 91    | 0.00     |

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

(#) = Out of Range

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