

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040924\  
 Data File : BG060837.D  
 Acq On : 9 Apr 2024 9:31  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 09 10:05:25 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 30 03:12:26 2024  
 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    | 110   | -0.01    |
| 2    | 1,4-Dioxane                 | 0.492 | 0.477 | 3.0    | 110   | 0.00     |
| 3    | Pyridine                    | 1.485 | 1.365 | 8.1    | 93    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.887 | 0.875 | 1.4    | 103   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.201 | 1.130 | 5.9    | 103   | 0.00     |
| 6    | Aniline                     | 2.250 | 1.956 | 13.1   | 94    | -0.01    |
| 7 S  | Phenol-d6                   | 1.782 | 1.651 | 7.4    | 100   | 0.00     |
| 8    | 2-Chlorophenol              | 1.361 | 1.265 | 7.1    | 101   | -0.01    |
| 9    | Benzaldehyde                | 0.983 | 0.858 | 12.7   | 99    | -0.01    |
| 10 C | Phenol                      | 1.819 | 1.666 | 8.4    | 97    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.468 | 1.258 | 14.3   | 94    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 1.415 | 1.347 | 4.8    | 106   | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.444 | 1.355 | 6.2    | 104   | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 1.415 | 1.320 | 6.7    | 104   | -0.01    |
| 15   | Benzyl Alcohol              | 1.444 | 1.302 | 9.8    | 96    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 3.314 | 2.851 | 14.0   | 95    | -0.01    |
| 17   | 2-Methylphenol              | 1.373 | 1.218 | 11.3   | 96    | 0.00     |
| 18   | Hexachloroethane            | 0.513 | 0.470 | 8.4    | 104   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.359 | 1.124 | 17.3   | 89    | -0.01    |
| 20   | 3+4-Methylphenols           | 1.880 | 1.623 | 13.7   | 93    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 94    | -0.01    |
| 22   | Acetophenone                | 0.551 | 0.522 | 5.3    | 91    | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.350 | 0.400 | -14.3  | 110   | -0.01    |
| 24   | Nitrobenzene                | 0.352 | 0.395 | -12.2  | 102   | -0.01    |
| 25   | Isophorone                  | 0.807 | 0.735 | 8.9    | 86    | -0.01    |
| 26 C | 2-Nitrophenol               | 0.120 | 0.160 | -33.3# | 121   | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.324 | 0.300 | 7.4    | 88    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.477 | 0.436 | 8.6    | 87    | -0.02    |
| 29 C | 2,4-Dichlorophenol          | 0.298 | 0.318 | -6.7   | 98    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 0.337 | 0.348 | -3.3   | 99    | -0.02    |
| 31   | Naphthalene                 | 1.082 | 1.044 | 3.5    | 91    | -0.02    |
| 32   | Benzoic acid                | 0.191 | 0.218 | -14.1  | 103   | 0.00     |
| 33   | 4-Chloroaniline             | 0.503 | 0.478 | 5.0    | 88    | -0.01    |
| 34 C | Hexachlorobutadiene         | 0.225 | 0.245 | -8.9   | 105   | -0.02    |
| 35   | Caprolactam                 | 0.118 | 0.115 | 2.5    | 89    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.380 | 0.381 | -0.3   | 91    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.795 | 0.767 | 3.5    | 92    | -0.01    |
| 38   | 1-Methylnaphthalene         | 0.751 | 0.728 | 3.1    | 94    | -0.01    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 95    | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.575 | 0.619 | -7.7   | 106   | -0.01    |
| 41 P | Hexachlorocyclopentadiene   | 0.292 | 0.321 | -9.9   | 106   | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 0.227 | 0.294 | -29.5# | 123   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.370 | 0.415 | -12.2  | 106   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.442 | 0.501 | -13.3  | 107   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.363 | 1.379 | -1.2   | 99    | -0.02    |
| 46   | 1,1'-Biphenyl               | 1.413 | 1.372 | 2.9    | 96    | -0.01    |
| 47   | 2-Chloronaphthalene         | 1.073 | 1.047 | 2.4    | 95    | -0.01    |

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

|      | Compound                   | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 0.307 | 0.405 | -31.9# | 119   | 0.00     |
| 49   | Acenaphthylene             | 1.803 | 1.753 | 2.8    | 95    | -0.01    |
| 50   | Dimethylphthalate          | 1.581 | 1.523 | 3.7    | 92    | -0.02    |
| 51   | 2,6-Dinitrotoluene         | 0.247 | 0.307 | -24.3  | 110   | -0.01    |
| 52 C | Acenaphthene               | 1.132 | 1.123 | 0.8    | 96    | -0.01    |
| 53   | 3-Nitroaniline             | 0.277 | 0.327 | -18.1  | 104   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.110 | 0.160 | -45.5# | 141   | 0.00     |
| 55   | Dibenzofuran               | 1.786 | 1.712 | 4.1    | 94    | -0.01    |
| 56 P | 4-Nitrophenol              | 0.231 | 0.271 | -17.3  | 109   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.320 | 0.434 | -35.6# | 119   | 0.00     |
| 58   | Fluorene                   | 1.433 | 1.408 | 1.7    | 95    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.385 | 0.442 | -14.8  | 105   | -0.01    |
| 60   | Diethylphthalate           | 1.590 | 1.488 | 6.4    | 91    | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 0.758 | 0.753 | 0.7    | 97    | -0.02    |
| 62   | 4-Nitroaniline             | 0.289 | 0.349 | -20.8  | 110   | 0.00     |
| 63   | Azobenzene                 | 1.550 | 1.401 | 9.6    | 87    | -0.01    |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 98    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 0.073 | 0.103 | -41.1# | 139   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.572 | 0.546 | 4.5    | 94    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 0.203 | 0.216 | -6.4   | 105   | -0.02    |
| 68   | Hexachlorobenzene          | 0.229 | 0.236 | -3.1   | 102   | -0.01    |
| 69   | Atrazine                   | 0.200 | 0.202 | -1.0   | 99    | -0.02    |
| 70 C | Pentachlorophenol          | 0.150 | 0.173 | -15.3  | 111   | 0.00     |
| 71   | Phenanthrene               | 1.040 | 1.009 | 3.0    | 98    | -0.01    |
| 72   | Anthracene                 | 1.056 | 1.039 | 1.6    | 98    | -0.02    |
| 73   | Carbazole                  | 0.931 | 0.907 | 2.6    | 98    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.161 | 1.082 | 6.8    | 92    | -0.02    |
| 75 C | Fluoranthene               | 1.262 | 1.272 | -0.8   | 102   | -0.01    |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 107   | -0.02    |
| 77   | Benzidine                  | 0.527 | 0.509 | 3.4    | 92    | -0.01    |
| 78   | Pyrene                     | 1.399 | 1.317 | 5.9    | 103   | -0.01    |
| 79 S | Terphenyl-d14              | 1.136 | 1.078 | 5.1    | 105   | -0.02    |
| 80   | Butylbenzylphthalate       | 0.510 | 0.484 | 5.1    | 100   | -0.02    |
| 81   | Benzo(a)anthracene         | 1.410 | 1.363 | 3.3    | 104   | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 0.476 | 0.482 | -1.3   | 105   | -0.02    |
| 83   | Chrysene                   | 1.359 | 1.314 | 3.3    | 105   | -0.02    |
| 84   | Bis(2-ethylhexyl)phthalate | 0.813 | 0.722 | 11.2   | 93    | -0.03    |
| 85 c | Di-n-octyl phthalate       | 1.325 | 1.241 | 6.3    | 96    | -0.05    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 108   | -0.03    |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.408 | 1.357 | 3.6    | 105   | -0.05    |
| 88   | Benzo(b)fluoranthene       | 1.149 | 1.105 | 3.8    | 104   | -0.03    |
| 89   | Benzo(k)fluoranthene       | 1.176 | 1.111 | 5.5    | 101   | -0.02    |
| 90 C | Benzo(a)pyrene             | 1.117 | 1.088 | 2.6    | 104   | -0.02    |
| 91   | Dibenzo(a,h)anthracene     | 1.187 | 1.146 | 3.5    | 105   | -0.05    |
| 92   | Benzo(g,h,i)perylene       | 1.155 | 1.092 | 5.5    | 103   | -0.04    |

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

(#) = Out of Range

SPCC's out = 0 CCC's out = 1