

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071422\  
 Data File : BM035805.D  
 Acq On : 14 Jul 2022 10:30  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 15 01:08:33 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM071322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 14 01:21:21 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    | 113   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.519 | 0.446 | 14.1   | 100   | 0.00     |
| 3    | Pyridine                    | 1.348 | 1.369 | -1.6   | 116   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.593 | 0.567 | 4.4    | 110   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.231 | 1.189 | 3.4    | 109   | 0.00     |
| 6    | Aniline                     | 1.721 | 1.865 | -8.4   | 124   | 0.00     |
| 7 S  | Phenol-d6                   | 1.540 | 1.672 | -8.6   | 123   | 0.00     |
| 8    | 2-Chlorophenol              | 1.282 | 1.333 | -4.0   | 118   | 0.00     |
| 9    | Benzaldehyde                | 0.841 | 0.835 | 0.7    | 123   | 0.00     |
| 10 C | Phenol                      | 1.551 | 1.661 | -7.1   | 122   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.279 | 1.323 | -3.4   | 120   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.470 | 1.399 | 4.8    | 110   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.497 | 1.427 | 4.7    | 110   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.445 | 1.397 | 3.3    | 112   | 0.00     |
| 15   | Benzyl Alcohol              | 0.990 | 1.182 | -19.4  | 135   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.651 | 1.728 | -4.7   | 121   | 0.00     |
| 17   | 2-Methylphenol              | 1.000 | 1.112 | -11.2  | 126   | 0.00     |
| 18   | Hexachloroethane            | 0.527 | 0.515 | 2.3    | 112   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.884 | 1.061 | -20.0  | 134   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.338 | 1.559 | -16.5  | 132   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 126   | 0.00     |
| 22   | Acetophenone                | 0.483 | 0.484 | -0.2   | 128   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.350 | 0.363 | -3.7   | 129   | 0.00     |
| 24   | Nitrobenzene                | 0.330 | 0.333 | -0.9   | 127   | 0.00     |
| 25   | Isophorone                  | 0.554 | 0.632 | -14.1  | 140   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.121 | 0.161 | -33.1# | 162#  | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.238 | 0.256 | -7.6   | 134   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.391 | 0.411 | -5.1   | 132   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.260 | 0.285 | -9.6   | 134   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.322 | 0.309 | 4.0    | 123   | 0.00     |
| 31   | Naphthalene                 | 1.010 | 0.982 | 2.8    | 125   | 0.00     |
| 32   | Benzoic acid                | 0.139 | 0.222 | -59.7# | 198#  | 0.03     |
| 33   | 4-Chloroaniline             | 0.399 | 0.434 | -8.8   | 136   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.186 | 0.176 | 5.4    | 122   | 0.00     |
| 35   | Caprolactam                 | 0.073 | 0.106 | -45.2# | 182#  | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 0.263 | 0.317 | -20.5# | 146   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.664 | 0.694 | -4.5   | 132   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.647 | 0.676 | -4.5   | 132   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 142   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.579 | 0.531 | 8.3    | 131   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.302 | 0.290 | 4.0    | 135   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.203 | 0.249 | -22.7  | 166#  | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.337 | 0.378 | -12.2  | 150#  | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.362 | 0.402 | -11.0  | 153#  | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.434 | 1.317 | 8.2    | 130   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.519 | 1.427 | 6.1    | 135   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.163 | 1.091 | 6.2    | 134   | 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             | 0.266 | 0.327 | -22.9  | 164#  | 0.00     |
| 49   | Acenaphthylene             | 1.758 | 1.760 | -0.1   | 141   | 0.00     |
| 50   | Dimethylphthalate          | 1.289 | 1.365 | -5.9   | 149   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.255 | 0.295 | -15.7  | 153#  | 0.00     |
| 52 C | Acenaphthene               | 1.073 | 1.050 | 2.1    | 139   | 0.00     |
| 53   | 3-Nitroaniline             | 0.300 | 0.357 | -19.0  | 158#  | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.097 | 0.144 | -48.5# | 216#  | 0.01     |
| 55   | Dibenzofuran               | 1.735 | 1.699 | 2.1    | 140   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.233 | 0.289 | -24.0  | 172#  | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 0.323 | 0.406 | -25.7# | 163#  | 0.01     |
| 58   | Fluorene                   | 1.377 | 1.378 | -0.1   | 140   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.298 | 0.347 | -16.4  | 157#  | 0.00     |
| 60   | Diethylphthalate           | 1.268 | 1.409 | -11.1  | 154#  | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.683 | 0.674 | 1.3    | 138   | 0.00     |
| 62   | 4-Nitroaniline             | 0.310 | 0.386 | -24.5  | 162#  | 0.01     |
| 63   | Azobenzene                 | 1.314 | 1.359 | -3.4   | 144   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 152#  | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.075 | 0.098 | -30.7# | 197#  | 0.01     |
| 66 c | n-Nitrosodiphenylamine     | 0.572 | 0.563 | 1.6    | 147   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.198 | 0.198 | 0.0    | 152#  | 0.00     |
| 68   | Hexachlorobenzene          | 0.234 | 0.227 | 3.0    | 148   | 0.00     |
| 69   | Atrazine                   | 0.148 | 0.166 | -12.2  | 160#  | 0.00     |
| 70 C | Pentachlorophenol          | 0.121 | 0.139 | -14.9  | 169#  | 0.01     |
| 71   | Phenanthrene               | 1.051 | 1.014 | 3.5    | 147   | 0.00     |
| 72   | Anthracene                 | 1.011 | 1.008 | 0.3    | 149   | 0.00     |
| 73   | Carbazole                  | 1.017 | 1.035 | -1.8   | 152#  | 0.00     |
| 74   | Di-n-butylphthalate        | 0.989 | 1.159 | -17.2  | 166#  | 0.00     |
| 75 C | Fluoranthene               | 1.175 | 1.196 | -1.8   | 152#  | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 149   | 0.00     |
| 77   | Benzidine                  | 0.280 | 0.479 | -71.1# | 205#  | 0.00     |
| 78   | Pyrene                     | 1.256 | 1.265 | -0.7   | 151#  | 0.00     |
| 79 S | Terphenyl-d14              | 1.030 | 0.996 | 3.3    | 141   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.382 | 0.509 | -33.2# | 184#  | 0.00     |
| 81   | Benzo(a)anthracene         | 1.255 | 1.250 | 0.4    | 148   | 0.01     |
| 82   | 3,3'-Dichlorobenzidine     | 0.254 | 0.316 | -24.4  | 176#  | 0.00     |
| 83   | Chrysene                   | 1.211 | 1.185 | 2.1    | 147   | 0.01     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.595 | 0.733 | -23.2  | 169#  | 0.00     |
| 85 c | Di-n-octyl phthalate       | 0.979 | 1.207 | -23.3# | 180#  | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 164#  | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.456 | 1.498 | -2.9   | 166#  | 0.03     |
| 88   | Benzo(b)fluoranthene       | 1.208 | 1.194 | 1.2    | 163#  | 0.02     |
| 89   | Benzo(k)fluoranthene       | 1.263 | 1.156 | 8.5    | 147   | 0.01     |
| 90 C | Benzo(a)pyrene             | 1.011 | 1.011 | 0.0    | 162#  | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 1.208 | 1.238 | -2.5   | 166#  | 0.03     |
| 92   | Benzo(g,h,i)perylene       | 1.192 | 1.222 | -2.5   | 167#  | 0.04     |

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

(#) = Out of Range

SPCC's out = 0 CCC's out = 3