

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092024\  
 Data File : BM047596.D  
 Acq On : 20 Sep 2024 19:39  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 21 03:27:29 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM092024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 21 02:22:39 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                    | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|--------|--------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0    | 180   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 27.896 | 30.3#  | 129   | 0.00     |
| 3    | Pyridine                    | 40.000 | 30.738 | 23.2   | 140   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 39.490 | 1.3    | 181   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 80.577 | -0.7   | 185   | 0.00     |
| 6    | Aniline                     | 40.000 | 43.362 | -8.4   | 194   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 99.748 | -24.7  | 227   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 46.499 | -16.2  | 215   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 39.636 | 0.9    | 189   | 0.00     |
| 10 C | Phenol                      | 40.000 | 48.916 | -22.3# | 222   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 48.257 | -20.6  | 225   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.211 | 2.0    | 183   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.562 | -1.4   | 188   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 43.063 | -7.7   | 199   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 50.947 | -27.4# | 232   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 49.064 | -22.7  | 228   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 50.273 | -25.7# | 226   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 41.668 | -4.2   | 192   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 54.452 | -36.1# | 244   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 51.458 | -28.6# | 232   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 231   | 0.00     |
| 22   | Acetophenone                | 40.000 | 40.385 | -1.0   | 237   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 81.212 | -1.5   | 233   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 39.102 | 2.2    | 228   | 0.00     |
| 25   | Isophorone                  | 40.000 | 40.828 | -2.1   | 237   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 42.310 | -5.8   | 243   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.264 | -0.7   | 234   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 40.958 | -2.4   | 242   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 41.394 | -3.5   | 239   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.239 | 1.9    | 235   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 40.198 | -0.5   | 238   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 45.626 | -14.1  | 250   | 0.05     |
| 33   | 4-Chloroaniline             | 40.000 | 39.097 | 2.3    | 223   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 39.346 | 1.6    | 235   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 40.361 | -0.9   | 222   | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 41.549 | -3.9   | 236   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 42.352 | -5.9   | 251   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 42.222 | -5.6   | 248   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 235   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.503 | -1.3   | 250   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 37.186 | 7.0    | 227   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 85.914 | -7.4   | 250   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.438 | -1.1   | 240   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.482 | -1.2   | 240   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 85.785 | -7.2   | 261   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 40.645 | -1.6   | 246   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.234 | -0.6   | 245   | 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                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 42.315 | -5.8  | 238   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.433 | -1.1  | 241   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.178 | 2.1   | 232   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.325 | -3.3  | 236   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 41.617 | -4.0  | 252   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 41.058 | -2.6  | 229   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 43.234 | -8.1  | 254   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.359 | -0.9  | 242   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 41.294 | -3.2  | 225   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.991 | -5.0  | 234   | 0.00     |
| 58   | Fluorene                   | 40.000 | 43.320 | -8.3  | 254   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.343 | 1.6   | 230   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 40.740 | -1.9  | 239   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 43.569 | -8.9  | 259   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 43.765 | -9.4  | 237   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 41.819 | -4.5  | 242   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 229   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.461 | -6.2  | 244   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.743 | -1.9  | 239   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.837 | -4.6  | 252   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.280 | -0.7  | 243   | 0.00     |
| 69   | Atrazine                   | 40.000 | 20.741 | 48.1# | 106   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.351 | -3.4  | 231   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 41.086 | -2.7  | 241   | 0.00     |
| 72   | Anthracene                 | 40.000 | 41.762 | -4.4  | 243   | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.876 | -2.2  | 234   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 43.749 | -9.4  | 251   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 42.735 | -6.8  | 246   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 233   | 0.00     |
| 77   | Benzidine                  | 40.000 | 24.163 | 39.6# | 101   | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.773 | -1.9  | 242   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 81.945 | -2.4  | 236   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 43.402 | -8.5  | 253   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.848 | -2.1  | 243   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.209 | -3.0  | 233   | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.029 | -0.1  | 238   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 45.274 | -13.2 | 265   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 44.170 | -10.4 | 259   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 223   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.446 | -1.1  | 226   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 41.530 | -3.8  | 232   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 42.159 | -5.4  | 236   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 41.040 | -2.6  | 230   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 40.940 | -2.3  | 230   | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 39.605 | 1.0   | 223   | 0.01     |

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

(#) = Out of Range

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