

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM042419\  
 Data File : BM020064.D  
 Acq On : 24 Apr 2019 14:50  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 25 02:29:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM041519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 19 00:56:08 2019  
 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   | 68    | -0.02    |
| 2    | 1,4-Dioxane                 | 0.533 | 0.609 | -14.3 | 78    | -0.02    |
| 3    | Pyridine                    | 1.491 | 1.510 | -1.3  | 72    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.480 | 0.509 | -6.0  | 70    | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.234 | 1.191 | 3.5   | 65    | -0.03    |
| 6    | Aniline                     | 2.399 | 2.128 | 11.3  | 60    | -0.02    |
| 7 S  | Phenol-d6                   | 1.857 | 1.669 | 10.1  | 61    | -0.03    |
| 8    | 2-Chlorophenol              | 1.535 | 1.417 | 7.7   | 63    | -0.03    |
| 9    | Benzaldehyde                | 1.084 | 0.995 | 8.2   | 60    | -0.02    |
| 10 C | Phenol                      | 2.029 | 1.807 | 10.9  | 61    | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.485 | 1.296 | 12.7  | 58    | -0.02    |
| 12   | 1,3-Dichlorobenzene         | 1.611 | 1.597 | 0.9   | 68    | -0.02    |
| 13 C | 1,4-Dichlorobenzene         | 1.635 | 1.620 | 0.9   | 68    | -0.02    |
| 14   | 1,2-Dichlorobenzene         | 1.621 | 1.552 | 4.3   | 65    | -0.03    |
| 15   | Benzyl Alcohol              | 1.688 | 1.429 | 15.3  | 57    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.415 | 1.141 | 19.4  | 54    | -0.03    |
| 17   | 2-Methylphenol              | 1.343 | 1.163 | 13.4  | 58    | -0.02    |
| 18   | Hexachloroethane            | 0.635 | 0.634 | 0.2   | 67    | -0.03    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.633 | 1.326 | 18.8  | 55    | -0.02    |
| 20   | 3+4-Methylphenols           | 1.845 | 1.491 | 19.2  | 55    | -0.02    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 59    | -0.03    |
| 22   | Acetophenone                | 0.545 | 0.525 | 3.7   | 57    | -0.03    |
| 23 S | Nitrobenzene-d5             | 0.447 | 0.452 | -1.1  | 59    | -0.03    |
| 24   | Nitrobenzene                | 0.463 | 0.472 | -1.9  | 59    | -0.02    |
| 25   | Isophorone                  | 0.871 | 0.780 | 10.4  | 52    | -0.02    |
| 26 C | 2-Nitrophenol               | 0.197 | 0.180 | 8.6   | 53    | -0.02    |
| 27   | 2,4-Dimethylphenol          | 0.279 | 0.254 | 9.0   | 53    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane  | 0.487 | 0.441 | 9.4   | 53    | -0.02    |
| 29 C | 2,4-Dichlorophenol          | 0.317 | 0.298 | 6.0   | 55    | -0.02    |
| 30   | 1,2,4-Trichlorobenzene      | 0.341 | 0.355 | -4.1  | 61    | -0.02    |
| 31   | Naphthalene                 | 1.073 | 1.056 | 1.6   | 58    | -0.03    |
| 32   | Benzoic acid                | 0.247 | 0.173 | 30.0# | 40#   | -0.02    |
| 33   | 4-Chloroaniline             | 0.442 | 0.385 | 12.9  | 51    | -0.02    |
| 34 C | Hexachlorobutadiene         | 0.201 | 0.228 | -13.4 | 67    | -0.03    |
| 35   | Caprolactam                 | 0.120 | 0.090 | 25.0  | 44#   | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.394 | 0.343 | 12.9  | 51    | -0.02    |
| 37   | 2-Methylnaphthalene         | 0.781 | 0.730 | 6.5   | 55    | -0.03    |
| 38   | 1-Methylnaphthalene         | 0.771 | 0.717 | 7.0   | 55    | -0.02    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 54    | -0.02    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.617 | 0.660 | -7.0  | 59    | -0.02    |
| 41 P | Hexachlorocyclopentadiene   | 0.166 | 0.139 | 16.3  | 46#   | -0.03    |
| 42 S | 2,4,6-Tribromophenol        | 0.322 | 0.294 | 8.7   | 51    | -0.02    |
| 43 C | 2,4,6-Trichlorophenol       | 0.418 | 0.408 | 2.4   | 53    | -0.02    |
| 44   | 2,4,5-Trichlorophenol       | 0.435 | 0.395 | 9.2   | 49#   | -0.02    |

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|      | Compound                   | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.605 | 1.620 | -0.9   | 55    | -0.03    |
| 46   | 1,1'-Biphenyl              | 1.732 | 1.715 | 1.0    | 54    | -0.02    |
| 47   | 2-Chloronaphthalene        | 1.321 | 1.313 | 0.6    | 54    | -0.03    |
| 48   | 2-Nitroaniline             | 0.476 | 0.426 | 10.5   | 48#   | -0.02    |
| 49   | Acenaphthylene             | 2.299 | 2.205 | 4.1    | 53    | -0.02    |
| 50   | Dimethylphthalate          | 1.764 | 1.688 | 4.3    | 52    | -0.02    |
| 51   | 2,6-Dinitrotoluene         | 0.390 | 0.366 | 6.2    | 51    | -0.02    |
| 52 C | Acenaphthene               | 1.275 | 1.237 | 3.0    | 53    | -0.02    |
| 53   | 3-Nitroaniline             | 0.390 | 0.328 | 15.9   | 46#   | -0.02    |
| 54 P | 2,4-Dinitrophenol          | 0.197 | 0.133 | 32.5#  | 36#   | 0.00     |
| 55   | Dibenzofuran               | 2.084 | 2.008 | 3.6    | 53    | -0.02    |
| 56 P | 4-Nitrophenol              | 0.270 | 0.179 | 33.7#  | 35#   | -0.02    |
| 57   | 2,4-Dinitrotoluene         | 0.561 | 0.499 | 11.1   | 49#   | -0.02    |
| 58   | Fluorene                   | 1.766 | 1.646 | 6.8    | 52    | -0.02    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.397 | 0.376 | 5.3    | 52    | -0.02    |
| 60   | Diethylphthalate           | 1.835 | 1.718 | 6.4    | 51    | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 0.850 | 0.816 | 4.0    | 53    | -0.02    |
| 62   | 4-Nitroaniline             | 0.384 | 0.298 | 22.4   | 42#   | -0.01    |
| 63   | Azobenzene                 | 1.961 | 1.934 | 1.4    | 54    | -0.02    |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 53    | -0.02    |
| 65   | 4,6-Dinitro-2-methylphenol | 0.128 | 0.102 | 20.3   | 42#   | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 0.654 | 0.629 | 3.8    | 51    | -0.02    |
| 67   | 4-Bromophenyl-phenylether  | 0.230 | 0.227 | 1.3    | 53    | -0.02    |
| 68   | Hexachlorobenzene          | 0.276 | 0.271 | 1.8    | 53    | -0.02    |
| 69   | Atrazine                   | 0.222 | 0.205 | 7.7    | 47#   | -0.02    |
| 70 C | Pentachlorophenol          | 0.141 | 0.116 | 17.7   | 44#   | -0.02    |
| 71   | Phenanthrene               | 1.187 | 1.140 | 4.0    | 52    | -0.02    |
| 72   | Anthracene                 | 1.181 | 1.114 | 5.7    | 51    | -0.02    |
| 73   | Carbazole                  | 1.103 | 0.998 | 9.5    | 48#   | -0.02    |
| 74   | Di-n-butylphthalate        | 1.449 | 1.311 | 9.5    | 48#   | -0.02    |
| 75 C | Fluoranthene               | 1.366 | 1.318 | 3.5    | 52    | -0.02    |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 52    | -0.02    |
| 77   | Benzidine                  | 0.552 | 0.470 | 14.9   | 44#   | -0.02    |
| 78   | Pyrene                     | 1.324 | 1.369 | -3.4   | 52    | -0.02    |
| 79 S | Terphenyl-d14              | 1.134 | 1.156 | -1.9   | 52    | -0.02    |
| 80   | Butylbenzylphthalate       | 0.642 | 0.600 | 6.5    | 47#   | -0.02    |
| 81   | Benzo(a)anthracene         | 1.267 | 1.347 | -6.3   | 55    | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 0.471 | 0.498 | -5.7   | 53    | -0.01    |
| 83   | Chrysene                   | 1.215 | 1.305 | -7.4   | 56    | -0.01    |
| 84   | Bis(2-ethylhexyl)phthalate | 0.956 | 0.883 | 7.6    | 48#   | -0.02    |
| 85 c | Di-n-octyl phthalate       | 1.551 | 1.535 | 1.0    | 51    | -0.02    |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.195 | 1.783 | -49.2# | 78    | -0.04    |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 66    | -0.02    |

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| 88   | Benzo(b)fluoranthene   | 1.328 | 1.267 | 4.6   | 64    | -0.02    |
| 89   | Benzo(k)fluoranthene   | 1.250 | 1.183 | 5.4   | 63    | -0.02    |
| 90 C | Benzo(a)pyrene         | 1.177 | 1.160 | 1.4   | 66    | -0.02    |
| 91   | Dibenzo(a,h)anthracene | 1.135 | 1.285 | -13.2 | 75    | -0.04    |
| 92   | Benzo(g,h,i)perylene   | 1.028 | 1.160 | -12.8 | 75    | -0.05    |

(#) = Out of Range

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