

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032019\  
 Data File : BM019281.D  
 Acq On : 21 Mar 2019 04:03  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 21 18:02:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 21 17:06:23 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 84    | -0.03    |
| 2    | 1,4-Dioxane                 | 0.549 | 0.494 | 10.0  | 80    | -0.02    |
| 3    | Pyridine                    | 1.495 | 1.562 | -4.5  | 84    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.465 | 0.434 | 6.7   | 79    | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.235 | 1.225 | 0.8   | 85    | -0.02    |
| 6    | Aniline                     | 2.332 | 2.423 | -3.9  | 88    | -0.03    |
| 7 S  | Phenol-d6                   | 1.806 | 1.910 | -5.8  | 89    | -0.03    |
| 8    | 2-Chlorophenol              | 1.484 | 1.515 | -2.1  | 88    | -0.04    |
| 9    | Benzaldehyde                | 1.136 | 1.091 | 4.0   | 81    | -0.03    |
| 10 C | Phenol                      | 1.947 | 2.059 | -5.8  | 89    | -0.03    |
| 11   | bis(2-Chloroethyl)ether     | 1.486 | 1.501 | -1.0  | 85    | -0.03    |
| 12   | 1,3-Dichlorobenzene         | 1.571 | 1.563 | 0.5   | 86    | -0.04    |
| 13 C | 1,4-Dichlorobenzene         | 1.601 | 1.590 | 0.7   | 86    | -0.03    |
| 14   | 1,2-Dichlorobenzene         | 1.558 | 1.579 | -1.3  | 88    | -0.03    |
| 15   | Benzyl Alcohol              | 1.495 | 1.553 | -3.9  | 87    | -0.03    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.517 | 1.546 | -1.9  | 88    | -0.04    |
| 17   | 2-Methylphenol              | 1.269 | 1.352 | -6.5  | 90    | -0.03    |
| 18   | Hexachloroethane            | 0.595 | 0.588 | 1.2   | 84    | -0.03    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.482 | 1.584 | -6.9  | 89    | -0.03    |
| 20   | 3+4-Methylphenols           | 1.722 | 1.885 | -9.5  | 91    | -0.03    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 90    | -0.04    |
| 22   | Acetophenone                | 0.553 | 0.545 | 1.4   | 89    | -0.04    |
| 23 S | Nitrobenzene-d5             | 0.423 | 0.417 | 1.4   | 89    | -0.03    |
| 24   | Nitrobenzene                | 0.440 | 0.430 | 2.3   | 88    | -0.03    |
| 25   | Isophorone                  | 0.807 | 0.808 | -0.1  | 90    | -0.03    |
| 26 C | 2-Nitrophenol               | 0.182 | 0.190 | -4.4  | 90    | -0.04    |
| 27   | 2,4-Dimethylphenol          | 0.271 | 0.277 | -2.2  | 92    | -0.03    |
| 28   | bis(2-Chloroethoxy)methane  | 0.478 | 0.475 | 0.6   | 90    | -0.03    |
| 29 C | 2,4-Dichlorophenol          | 0.300 | 0.320 | -6.7  | 94    | -0.03    |
| 30   | 1,2,4-Trichlorobenzene      | 0.339 | 0.333 | 1.8   | 91    | -0.04    |
| 31   | Naphthalene                 | 1.054 | 1.034 | 1.9   | 91    | -0.03    |
| 32   | Benzoic acid                | 0.230 | 0.211 | 8.3   | 83    | -0.02    |
| 33   | 4-Chloroaniline             | 0.432 | 0.447 | -3.5  | 92    | -0.03    |
| 34 C | Hexachlorobutadiene         | 0.194 | 0.188 | 3.1   | 89    | -0.04    |
| 35   | Caprolactam                 | 0.107 | 0.116 | -8.4  | 94    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.371 | 0.387 | -4.3  | 93    | -0.04    |
| 37   | 2-Methylnaphthalene         | 0.766 | 0.764 | 0.3   | 92    | -0.04    |
| 38   | 1-Methylnaphthalene         | 0.755 | 0.753 | 0.3   | 92    | -0.03    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 92    | -0.03    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.633 | 0.631 | 0.3   | 93    | -0.03    |
| 41 P | Hexachlorocyclopentadiene   | 0.287 | 0.212 | 26.1# | 68    | -0.04    |
| 42 S | 2,4,6-Tribromophenol        | 0.295 | 0.309 | -4.7  | 95    | -0.03    |
| 43 C | 2,4,6-Trichlorophenol       | 0.409 | 0.424 | -3.7  | 94    | -0.03    |
| 44   | 2,4,5-Trichlorophenol       | 0.437 | 0.457 | -4.6  | 94    | -0.03    |

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

|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.538 | 1.530 | 0.5   | 94    | -0.03    |
| 46   | 1,1'-Biphenyl              | 1.747 | 1.730 | 1.0   | 93    | -0.03    |
| 47   | 2-Chloronaphthalene        | 1.304 | 1.300 | 0.3   | 94    | -0.03    |
| 48   | 2-Nitroaniline             | 0.437 | 0.452 | -3.4  | 91    | -0.03    |
| 49   | Acenaphthylene             | 2.204 | 2.226 | -1.0  | 94    | -0.03    |
| 50   | Dimethylphthalate          | 1.711 | 1.691 | 1.2   | 93    | -0.03    |
| 51   | 2,6-Dinitrotoluene         | 0.370 | 0.377 | -1.9  | 92    | -0.02    |
| 52 C | Acenaphthene               | 1.267 | 1.249 | 1.4   | 93    | -0.03    |
| 53   | 3-Nitroaniline             | 0.392 | 0.383 | 2.3   | 91    | -0.02    |
| 54 P | 2,4-Dinitrophenol          | 0.215 | 0.155 | 27.9# | 66    | -0.02    |
| 55   | Dibenzofuran               | 2.043 | 2.034 | 0.4   | 95    | -0.03    |
| 56 P | 4-Nitrophenol              | 0.320 | 0.287 | 10.3  | 82    | -0.02    |
| 57   | 2,4-Dinitrotoluene         | 0.537 | 0.531 | 1.1   | 93    | -0.02    |
| 58   | Fluorene                   | 1.684 | 1.688 | -0.2  | 94    | -0.03    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.407 | 0.407 | 0.0   | 92    | -0.03    |
| 60   | Diethylphthalate           | 1.733 | 1.707 | 1.5   | 92    | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 0.818 | 0.818 | 0.0   | 94    | -0.03    |
| 62   | 4-Nitroaniline             | 0.395 | 0.373 | 5.6   | 89    | -0.03    |
| 63   | Azobenzene                 | 1.823 | 1.845 | -1.2  | 93    | -0.03    |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 91    | -0.03    |
| 65   | 4,6-Dinitro-2-methylphenol | 0.131 | 0.114 | 13.0  | 79    | -0.02    |
| 66 c | n-Nitrosodiphenylamine     | 0.637 | 0.650 | -2.0  | 93    | -0.03    |
| 67   | 4-Bromophenyl-phenylether  | 0.221 | 0.228 | -3.2  | 95    | -0.02    |
| 68   | Hexachlorobenzene          | 0.262 | 0.272 | -3.8  | 96    | -0.03    |
| 69   | Atrazine                   | 0.214 | 0.212 | 0.9   | 89    | -0.02    |
| 70 C | Pentachlorophenol          | 0.158 | 0.150 | 5.1   | 86    | -0.02    |
| 71   | Phenanthrene               | 1.172 | 1.159 | 1.1   | 92    | -0.02    |
| 72   | Anthracene                 | 1.148 | 1.149 | -0.1  | 91    | -0.03    |
| 73   | Carbazole                  | 1.083 | 1.062 | 1.9   | 89    | -0.02    |
| 74   | Di-n-butylphthalate        | 1.310 | 1.351 | -3.1  | 92    | -0.02    |
| 75 C | Fluoranthene               | 1.345 | 1.289 | 4.2   | 89    | -0.02    |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 81    | -0.02    |
| 77   | Benzidine                  | 0.567 | 0.579 | -2.1  | 82    | -0.02    |
| 78   | Pyrene                     | 1.265 | 1.396 | -10.4 | 88    | -0.02    |
| 79 S | Terphenyl-d14              | 1.007 | 1.139 | -13.1 | 90    | -0.02    |
| 80   | Butylbenzylphthalate       | 0.551 | 0.636 | -15.4 | 88    | -0.02    |
| 81   | Benzo(a)anthracene         | 1.255 | 1.225 | 2.4   | 80    | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 0.483 | 0.473 | 2.1   | 78    | -0.02    |
| 83   | Chrysene                   | 1.214 | 1.176 | 3.1   | 80    | -0.02    |
| 84   | Bis(2-ethylhexyl)phthalate | 0.802 | 0.943 | -17.6 | 91    | -0.02    |
| 85 c | Di-n-octyl phthalate       | 1.350 | 1.508 | -11.7 | 90    | -0.03    |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.307 | 1.147 | 12.2  | 81    | -0.05    |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 75    | -0.04    |

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| 88   | Benzo(b)fluoranthene   | 1.296 | 1.319 | -1.8 | 77    | -0.04    |
| 89   | Benzo(k)fluoranthene   | 1.192 | 1.197 | -0.4 | 73    | -0.03    |
| 90 C | Benzo(a)pyrene         | 1.165 | 1.150 | 1.3  | 75    | -0.04    |
| 91   | Dibenzo(a,h)anthracene | 1.114 | 1.139 | -2.2 | 81    | -0.05    |
| 92   | Benzo(q,h,i)perylene   | 1.023 | 1.082 | -5.8 | 84    | -0.06    |

(#) = Out of Range

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