

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF072518\  
 Data File : BF107649.D  
 Acq On : 25 Jul 2018 11:40  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 26 12:47:17 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 20 16:29:27 2018  
 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    | 62    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.579 | 0.483 | 16.6   | 51    | -0.02    |
| 3    | Pyridine                    | 1.575 | 1.281 | 18.7   | 49#   | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.664 | 0.537 | 19.1   | 51    | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.244 | 1.135 | 8.8    | 55    | -0.01    |
| 6    | Aniline                     | 1.926 | 1.675 | 13.0   | 54    | -0.01    |
| 7 S  | Phenol-d6                   | 1.494 | 1.371 | 8.2    | 58    | 0.00     |
| 8    | 2-Chlorophenol              | 1.333 | 1.307 | 2.0    | 61    | 0.00     |
| 9    | Benzaldehyde                | 0.977 | 0.820 | 16.1   | 56    | 0.00     |
| 10 C | Phenol                      | 1.757 | 1.525 | 13.2   | 55    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.456 | 1.395 | 4.2    | 58    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 1.511 | 1.424 | 5.8    | 59    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.549 | 1.552 | -0.2   | 63    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.390 | 1.337 | 3.8    | 61    | -0.01    |
| 15   | Benzyl Alcohol              | 1.018 | 0.986 | 3.1    | 59    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.457 | 2.123 | 13.6   | 54    | -0.01    |
| 17   | 2-Methylphenol              | 1.133 | 1.055 | 6.9    | 58    | 0.00     |
| 18   | Hexachloroethane            | 0.543 | 0.526 | 3.1    | 59    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.965 | 0.871 | 9.7    | 58    | -0.01    |
| 20   | 3+4-Methylphenols           | 1.345 | 1.236 | 8.1    | 58    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 63    | 0.00     |
| 22   | Acetophenone                | 0.470 | 0.427 | 9.1    | 61    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.296 | 0.322 | -8.8   | 67    | -0.01    |
| 24   | Nitrobenzene                | 0.339 | 0.345 | -1.8   | 61    | -0.01    |
| 25   | Isophorone                  | 0.633 | 0.528 | 16.6   | 54    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.143 | 0.181 | -26.6# | 75    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.271 | 0.251 | 7.4    | 59    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.423 | 0.368 | 13.0   | 56    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.277 | 0.273 | 1.4    | 61    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.311 | 0.298 | 4.2    | 62    | -0.01    |
| 31   | Naphthalene                 | 0.879 | 0.822 | 6.5    | 62    | 0.00     |
| 32   | Benzoic acid                | 0.166 | 0.166 | 0.0    | 58    | -0.02    |
| 33   | 4-Chloroaniline             | 0.384 | 0.393 | -2.3   | 70    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.185 | 0.179 | 3.2    | 63    | 0.00     |
| 35   | Caprolactam                 | 0.090 | 0.081 | 10.0   | 56    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.308 | 0.296 | 3.9    | 61    | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.609 | 0.568 | 6.7    | 62    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 63    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.667 | 0.661 | 0.9    | 64    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.339 | 0.334 | 1.5    | 59    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.227 | 0.249 | -9.7   | 66    | -0.01    |
| 42 C | 2,4,6-Trichlorophenol       | 0.427 | 0.416 | 2.6    | 58    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.446 | 0.482 | -8.1   | 65    | -0.01    |
| 44 S | 2-Fluorobiphenyl            | 1.315 | 1.325 | -0.8   | 70    | -0.01    |

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|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.742 | 1.739 | 0.2    | 66    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.332 | 1.308 | 1.8    | 64    | 0.00     |
| 47   | 2-Nitroaniline             | 0.388 | 0.449 | -15.7  | 68    | 0.00     |
| 48   | Acenaphthylene             | 2.000 | 1.967 | 1.6    | 64    | 0.00     |
| 49   | Dimethylphthalate          | 1.507 | 1.420 | 5.8    | 61    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.299 | 0.324 | -8.4   | 66    | -0.01    |
| 51 C | Acenaphthene               | 1.253 | 1.128 | 10.0   | 57    | -0.01    |
| 52   | 3-Nitroaniline             | 0.364 | 0.384 | -5.5   | 64    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.096 | 0.158 | -64.6# | 101   | 0.00     |
| 54   | Dibenzofuran               | 1.845 | 1.774 | 3.8    | 64    | -0.01    |
| 55 P | 4-Nitrophenol              | 0.273 | 0.249 | 8.8    | 54    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.361 | 0.416 | -15.2  | 68    | -0.01    |
| 57   | Fluorene                   | 1.316 | 1.344 | -2.1   | 65    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.371 | 0.398 | -7.3   | 65    | -0.01    |
| 59   | Diethylphthalate           | 1.574 | 1.458 | 7.4    | 61    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 0.744 | 0.721 | 3.1    | 64    | -0.01    |
| 61   | 4-Nitroaniline             | 0.306 | 0.370 | -20.9  | 72    | -0.01    |
| 62   | Azobenzene                 | 1.476 | 1.380 | 6.5    | 59    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 66    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.084 | 0.115 | -36.9# | 86    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.679 | 0.619 | 8.8    | 63    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 0.235 | 0.215 | 8.5    | 62    | -0.01    |
| 67   | Hexachlorobenzene          | 0.259 | 0.240 | 7.3    | 63    | 0.00     |
| 68   | Atrazine                   | 0.207 | 0.186 | 10.1   | 60    | -0.01    |
| 69 C | Pentachlorophenol          | 0.162 | 0.150 | 7.4    | 60    | -0.01    |
| 70   | Phenanthrene               | 0.975 | 0.904 | 7.3    | 65    | -0.01    |
| 71   | Anthracene                 | 0.981 | 0.955 | 2.7    | 69    | 0.00     |
| 72   | Carbazole                  | 1.020 | 0.989 | 3.0    | 69    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.155 | 1.061 | 8.1    | 65    | -0.01    |
| 74 C | Fluoranthene               | 1.046 | 0.999 | 4.5    | 67    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 62    | 0.00     |
| 76   | Benzidine                  | 0.576 | 0.756 | -31.3# | 85    | 0.00     |
| 77   | Pyrene                     | 1.368 | 1.362 | 0.4    | 66    | 0.00     |
| 78 S | Terphenyl-d14              | 0.781 | 0.848 | -8.6   | 72    | -0.01    |
| 79   | Butylbenzylphthalate       | 0.588 | 0.600 | -2.0   | 60    | -0.01    |
| 80   | Benzo(a)anthracene         | 1.172 | 1.082 | 7.7    | 59    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.371 | 0.400 | -7.8   | 71    | 0.00     |
| 82   | Chrysene                   | 1.126 | 1.093 | 2.9    | 64    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.830 | 0.706 | 14.9   | 54    | -0.02    |
| 84 c | Di-n-octyl phthalate       | 1.290 | 1.135 | 12.0   | 53    | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.954 | 0.902 | 5.5    | 65    | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 62    | -0.01    |
| 87   | Benzo(b)fluoranthene       | 1.095 | 1.008 | 7.9    | 57    | -0.01    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.072 | 0.987 | 7.9  | 59    | -0.01    |
| 89 C | Benzo(a)pyrene         | 1.001 | 0.931 | 7.0  | 58    | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 0.866 | 0.852 | 1.6  | 64    | -0.01    |
| 91   | Benzo(a,h,i)perylene   | 0.854 | 0.859 | -0.6 | 65    | -0.01    |

(#) = Out of Range

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