

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF040320\  
 Data File : BF119708.D  
 Acq On : 3 Apr 2020 10:12  
 Operator : MA/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 03 11:15:41 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 01 11:59:45 2020  
 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    | 81    | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 36.858 | 7.9    | 72    | 0.00     |
| 3    | Pyridine                     | 40.000 | 36.988 | 7.5    | 72    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 33.647 | 15.9   | 66    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.830 | 1.5    | 76    | 0.00     |
| 6    | Aniline                      | 40.000 | 38.161 | 4.6    | 73    | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 79.058 | 1.2    | 76    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.118 | -0.3   | 77    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 33.761 | 15.6   | 66    | -0.01    |
| 10 C | Phenol                       | 40.000 | 41.968 | -4.9   | 81    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.799 | 3.0    | 75    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.742 | 0.6    | 77    | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.952 | 0.1    | 78    | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.344 | -0.9   | 77    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 38.378 | 4.1    | 73    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 34.274 | 14.3   | 67    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 39.367 | 1.6    | 76    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.197 | -0.5   | 79    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.663 | 5.8    | 73    | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 38.966 | 2.6    | 75    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 80    | -0.01    |
| 22   | Acetophenone                 | 40.000 | 38.166 | 4.6    | 74    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.636 | -2.0   | 78    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.596 | 1.0    | 77    | -0.01    |
| 25   | Isophorone                   | 40.000 | 37.853 | 5.4    | 74    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 49.629 | -24.1# | 95    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 36.981 | 7.5    | 72    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.004 | 2.5    | 76    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.085 | -0.2   | 78    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.575 | -1.4   | 79    | -0.01    |
| 31   | Naphthalene                  | 40.000 | 40.758 | -1.9   | 78    | -0.01    |
| 32   | Benzoic acid                 | 40.000 | 38.309 | 4.2    | 74    | -0.02    |
| 33   | 4-Chloroaniline              | 40.000 | 38.948 | 2.6    | 75    | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.258 | -3.1   | 81    | -0.01    |
| 35   | Caprolactam                  | 40.000 | 39.209 | 2.0    | 74    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.739 | 0.7    | 77    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.023 | -0.1   | 78    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 40.362 | -0.9   | 77    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 81    | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.944 | -2.4   | 80    | -0.01    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 40.264 | -0.7   | 79    | -0.01    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 89.575 | -12.0  | 88    | -0.01    |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.896 | -2.2   | 81    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.298 | -0.7   | 79    | -0.01    |

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

|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 77.424 | 3.2    | 79    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 39.965 | 0.1    | 78    | -0.01    |
| 47   | 2-Chloronaphthalene        | 40.000 | 39.810 | 0.5    | 78    | -0.01    |
| 48   | 2-Nitroaniline             | 40.000 | 41.323 | -3.3   | 79    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.532 | 1.2    | 77    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.280 | -0.7   | 79    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 43.269 | -8.2   | 83    | -0.01    |
| 52 C | Acenaphthene               | 40.000 | 40.654 | -1.6   | 80    | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 41.308 | -3.3   | 80    | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 56.555 | -41.4# | 131   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.052 | -0.1   | 78    | -0.01    |
| 56 P | 4-Nitrophenol              | 40.000 | 42.293 | -5.7   | 80    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 45.571 | -13.9  | 88    | -0.01    |
| 58   | Fluorene                   | 40.000 | 41.032 | -2.6   | 80    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.234 | -3.1   | 79    | -0.01    |
| 60   | Diethylphthalate           | 40.000 | 40.473 | -1.2   | 79    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 41.464 | -3.7   | 81    | -0.01    |
| 62   | 4-Nitroaniline             | 40.000 | 44.060 | -10.2  | 84    | -0.02    |
| 63   | Azobenzene                 | 40.000 | 38.219 | 4.5    | 75    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 82    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 59.009 | -47.5# | 117   | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.344 | 1.6    | 79    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.021 | -0.1   | 79    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.692 | -1.7   | 81    | -0.01    |
| 69   | Atrazine                   | 40.000 | 39.821 | 0.4    | 80    | -0.01    |
| 70 C | Pentachlorophenol          | 40.000 | 42.212 | -5.5   | 84    | -0.01    |
| 71   | Phenanthrene               | 40.000 | 39.643 | 0.9    | 79    | -0.01    |
| 72   | Anthracene                 | 40.000 | 39.848 | 0.4    | 79    | -0.01    |
| 73   | Carbazole                  | 40.000 | 39.566 | 1.1    | 78    | -0.01    |
| 74   | Di-n-butylphthalate        | 40.000 | 41.593 | -4.0   | 83    | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 40.286 | -0.7   | 79    | -0.01    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 86    | -0.02    |
| 77   | Benzidine                  | 40.000 | 35.151 | 12.1   | 75    | -0.01    |
| 78   | Pyrene                     | 40.000 | 36.885 | 7.8    | 80    | -0.01    |
| 79 S | Terphenyl-d14              | 80.000 | 75.867 | 5.2    | 83    | -0.01    |
| 80   | Butylbenzylphthalate       | 40.000 | 40.055 | -0.1   | 87    | -0.01    |
| 81   | Benzo(a)anthracene         | 40.000 | 39.013 | 2.5    | 82    | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 38.434 | 3.9    | 79    | -0.02    |
| 83   | Chrysene                   | 40.000 | 37.403 | 6.5    | 78    | -0.01    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.575 | -3.9   | 90    | -0.01    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 42.773 | -6.9   | 89    | -0.02    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.337 | 6.7    | 84    | -0.03    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 86    | -0.02    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 38.994 | 2.5  | 83    | -0.01    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 38.959 | 2.6  | 80    | -0.02    |
| 90 C | Benzo(a)pyrene         | 40.000 | 38.798 | 3.0  | 81    | -0.02    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 37.132 | 7.2  | 83    | -0.03    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 36.087 | 9.8  | 82    | -0.04    |

(#) = Out of Range

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