

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF082718\  
 Data File : BF108525.D  
 Acq On : 27 Aug 2018 22:46  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 28 02:17:57 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 22 11:01:45 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                     | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------------|--------|--------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4       | 20.000 | 20.000 | 0.0   | 46    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.737 | 8.2   | 42    | -0.02    |
| 3    | Pyridine                     | 40.000 | 37.894 | 5.3   | 43    | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 36.087 | 9.8   | 41    | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 82.743 | -3.4  | 48    | 0.00     |
| 6    | Aniline                      | 40.000 | 41.219 | -3.0  | 48    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 82.823 | -3.5  | 48    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.968 | -4.9  | 48    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 38.866 | 2.8   | 44    | 0.00     |
| 10 C | Phenol                       | 40.000 | 44.708 | -11.8 | 52    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.768 | -1.9  | 47    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.605 | -4.0  | 48    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.815 | -4.5  | 48    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.732 | -4.3  | 49    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 39.803 | 0.5   | 45    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.210 | 4.5   | 44    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 41.883 | -4.7  | 47    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 37.508 | 6.2   | 42    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.627 | 0.9   | 46    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 40.511 | -1.3  | 46    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 47    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.001 | -0.0  | 47    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 82.718 | -3.4  | 48    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 40.488 | -1.2  | 46    | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.243 | 1.9   | 46    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 46.517 | -16.3 | 53    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.328 | 1.7   | 46    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.029 | -0.1  | 47    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.373 | -3.4  | 47    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.646 | -1.6  | 48    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 41.140 | -2.9  | 48    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 30.350 | 24.1  | 35    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.453 | -1.1  | 47    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.637 | -4.1  | 49    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.180 | -0.4  | 45    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.231 | -0.6  | 46    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.331 | -0.8  | 47    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 44    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 43.947 | -9.9  | 48    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 5.284  | 86.8# | 5     | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 81.235 | -1.5  | 42    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 44.879 | -12.2 | 47    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 42.344 | -5.9  | 44    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 91.327 | -14.2 | 51    | 0.00     |

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

|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 43.782 | -9.5   | 48    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 42.726 | -6.8   | 47    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 44.717 | -11.8  | 46    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 42.329 | -5.8   | 46    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 43.565 | -8.9   | 48    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 43.995 | -10.0  | 46    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 40.624 | -1.6   | 44    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 42.573 | -6.4   | 45    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 23.465 | 41.3#  | 23    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 41.551 | -3.9   | 46    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 33.566 | 16.1   | 36    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 44.479 | -11.2  | 45    | 0.00     |
| 57   | Fluorene                   | 40.000 | 41.273 | -3.2   | 46    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.598 | -4.0   | 43    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 43.277 | -8.2   | 47    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.788 | -4.5   | 45    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 40.261 | -0.7   | 42    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 40.332 | -0.8   | 44    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 38    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 28.980 | 27.5#  | 26    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 47.192 | -18.0  | 45    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 45.929 | -14.8  | 43    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 43.056 | -7.6   | 41    | 0.00     |
| 68   | Atrazine                   | 40.000 | 46.055 | -15.1  | 43    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 60.208 | -50.5# | 55    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 41.483 | -3.7   | 40    | 0.00     |
| 71   | Anthracene                 | 40.000 | 42.053 | -5.1   | 40    | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.133 | 2.2    | 37    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 48.563 | -21.4  | 46    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 35.694 | 10.8   | 34    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 35    | 0.00     |
| 76   | Benzidine                  | 40.000 | 37.347 | 6.6    | 31    | 0.00     |
| 77   | Pyrene                     | 40.000 | 38.411 | 4.0    | 34    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 82.296 | -2.9   | 37    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 42.212 | -5.5   | 34    | -0.01    |
| 80   | Benzo(a)anthracene         | 40.000 | 41.502 | -3.8   | 36    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 43.013 | -7.5   | 35    | 0.00     |
| 82   | Chrysene                   | 40.000 | 42.077 | -5.2   | 37    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.710 | -6.8   | 36    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 49.161 | -22.9# | 40    | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.630 | 0.9    | 35    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 40    | -0.01    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.645 | 0.9    | 38    | 0.02     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 43.127 | -7.8 | 44    | -0.01    |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.257 | -3.1 | 41    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 35.791 | 10.5 | 36    | -0.01    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 33.506 | 16.2 | 34    | -0.01    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 2