

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF062818\  
 Data File : BF106913.D  
 Acq On : 28 Jun 2018 11:44  
 Operator : JU/SJ  
 Sample : SSTDC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDC040

Quant Time: Jun 28 15:39:07 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 25 18:50:17 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   | 62    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 37.803 | 5.5   | 59    | -0.02    |
| 3    | Pyridine                     | 40.000 | 38.694 | 3.3   | 61    | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 35.803 | 10.5  | 55    | -0.03    |
| 5 S  | 2-Fluorophenol               | 80.000 | 83.572 | -4.5  | 66    | -0.01    |
| 6    | Aniline                      | 40.000 | 40.753 | -1.9  | 64    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 81.912 | -2.4  | 66    | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 41.587 | -4.0  | 66    | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 35.242 | 11.9  | 58    | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.959 | 0.1   | 64    | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.774 | 3.1   | 62    | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.592 | -4.0  | 66    | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.835 | -4.6  | 67    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.869 | -4.7  | 66    | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 40.055 | -0.1  | 63    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 35.778 | 10.6  | 57    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.884 | -2.2  | 65    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 39.417 | 1.5   | 63    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.844 | 2.9   | 65    | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 45.095 | -12.7 | 68    | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 62    | -0.01    |
| 22   | Acetophenone                 | 40.000 | 41.014 | -2.5  | 66    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 77.519 | 3.1   | 63    | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 38.320 | 4.2   | 62    | -0.01    |
| 25   | Isophorone                   | 40.000 | 37.895 | 5.3   | 62    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 42.093 | -5.2  | 65    | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.364 | -0.9  | 64    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.362 | 4.1   | 63    | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.928 | -4.8  | 66    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 44.022 | -10.1 | 71    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.786 | -2.0  | 67    | -0.01    |
| 32   | Benzoic acid                 | 40.000 | 33.293 | 16.8  | 53    | -0.02    |
| 33   | 4-Chloroaniline              | 40.000 | 41.495 | -3.7  | 68    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 43.875 | -9.7  | 70    | -0.01    |
| 35   | Caprolactam                  | 40.000 | 41.816 | -4.5  | 66    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.517 | -3.8  | 67    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 44.094 | -10.2 | 72    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 68    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.766 | -4.4  | 74    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 36.458 | 8.9   | 62    | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 89.472 | -11.8 | 77    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 37.060 | 7.3   | 66    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 37.357 | 6.6   | 65    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 83.741 | -4.7  | 70    | -0.01    |

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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 | 40.627 | -1.6  | 73    | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 37.954 | 5.1   | 68    | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 35.540 | 11.2  | 61    | -0.01    |
| 48   | Acenaphthylene             | 40.000 | 38.585 | 3.5   | 69    | -0.01    |
| 49   | Dimethylphthalate          | 40.000 | 38.131 | 4.7   | 69    | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.066 | -2.7  | 72    | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 38.598 | 3.5   | 68    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 39.188 | 2.0   | 68    | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 45.264 | -13.2 | 83    | -0.01    |
| 54   | Dibenzofuran               | 40.000 | 41.273 | -3.2  | 74    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 37.163 | 7.1   | 63    | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 42.740 | -6.9  | 73    | -0.01    |
| 57   | Fluorene                   | 40.000 | 41.811 | -4.5  | 76    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.783 | -2.0  | 71    | -0.01    |
| 59   | Diethylphthalate           | 40.000 | 37.073 | 7.3   | 67    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.894 | -4.7  | 75    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 39.512 | 1.2   | 69    | -0.01    |
| 62   | Azobenzene                 | 40.000 | 35.054 | 12.4  | 63    | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 69    | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.860 | -2.1  | 70    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 37.637 | 5.9   | 69    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.622 | -1.6  | 74    | -0.01    |
| 67   | Hexachlorobenzene          | 40.000 | 42.699 | -6.7  | 77    | -0.01    |
| 68   | Atrazine                   | 40.000 | 40.492 | -1.2  | 73    | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 36.784 | 8.0   | 63    | -0.01    |
| 70   | Phenanthrene               | 40.000 | 42.169 | -5.4  | 75    | 0.00     |
| 71   | Anthracene                 | 40.000 | 42.161 | -5.4  | 76    | 0.00     |
| 72   | Carbazole                  | 40.000 | 40.771 | -1.9  | 75    | -0.01    |
| 73   | Di-n-butylphthalate        | 40.000 | 37.771 | 5.6   | 68    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 42.149 | -5.4  | 75    | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 65    | -0.02    |
| 76   | Benzidine                  | 40.000 | 48.404 | -21.0 | 79    | 0.00     |
| 77   | Pyrene                     | 40.000 | 42.584 | -6.5  | 74    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 90.184 | -12.7 | 76    | -0.01    |
| 79   | Butylbenzylphthalate       | 40.000 | 37.436 | 6.4   | 63    | -0.01    |
| 80   | Benzo(a)anthracene         | 40.000 | 40.066 | -0.2  | 68    | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 37.643 | 5.9   | 64    | -0.02    |
| 82   | Chrysene                   | 40.000 | 40.493 | -1.2  | 71    | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 33.950 | 15.1  | 58    | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 33.378 | 16.6  | 57    | -0.04    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 42.319 | -5.8  | 77    | -0.04    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 65    | -0.04    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.235 | 1.9   | 66    | -0.03    |

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| 88   | Benzo(k)fluoranthene   | 40.000 | 41.558 | -3.9  | 69    | -0.04    |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.359 | -0.9  | 66    | -0.04    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 44.922 | -12.3 | 77    | -0.05    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 46.635 | -16.6 | 80    | -0.04    |

(#) = Out of Range

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