

Data Path : U:\HPCHEM1\BNA F\Data\BF011518\  
 Data File : BF102090.D  
 Acq On : 16 Jan 2018 5:17  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 16 07:12:29 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 11 12:53:54 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   | 65    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 37.320 | 6.7   | 61    | -0.01    |
| 3    | Pyridine                     | 40.000 | 34.846 | 12.9  | 56    | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 34.321 | 14.2  | 55    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 73.982 | 7.5   | 61    | 0.00     |
| 6    | Aniline                      | 40.000 | 34.282 | 14.3  | 55    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 71.199 | 11.0  | 59    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 37.582 | 6.0   | 60    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 32.948 | 17.6  | 53    | 0.00     |
| 10 C | Phenol                       | 40.000 | 34.799 | 13.0  | 56    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 34.676 | 13.3  | 57    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.238 | 4.4   | 63    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.430 | 3.9   | 63    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.928 | 2.7   | 64    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 36.327 | 9.2   | 58    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 31.768 | 20.6  | 51    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 35.787 | 10.5  | 58    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 35.148 | 12.1  | 57    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 33.981 | 15.0  | 56    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 35.066 | 12.3  | 58    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 61    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.149 | 4.6   | 60    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 80.477 | -0.6  | 60    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 38.696 | 3.3   | 58    | 0.00     |
| 25   | Isophorone                   | 40.000 | 35.024 | 12.4  | 54    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 45.839 | -14.6 | 66    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.294 | 6.8   | 57    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 35.994 | 10.0  | 55    | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 38.921 | 2.7   | 58    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.100 | -0.3  | 62    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.385 | 4.0   | 60    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 28.936 | 27.7# | 39    | -0.02    |
| 33   | 4-Chloroaniline              | 40.000 | 37.221 | 6.9   | 56    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 42.150 | -5.4  | 64    | -0.01    |
| 35   | Caprolactam                  | 40.000 | 33.249 | 16.9  | 49    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 35.931 | 10.2  | 54    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.163 | 7.1   | 57    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 55    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 44.611 | -11.5 | 62    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 8.378  | 79.1# | 11    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 74.362 | 7.0   | 50    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 42.049 | -5.1  | 57    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.872 | -2.2  | 55    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 92.252 | -15.3 | 62    | -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 | 41.204 | -3.0   | 57    | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.943 | -2.4   | 57    | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 41.862 | -4.7   | 53    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 38.358 | 4.1    | 53    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 41.346 | -3.4   | 57    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.521 | -6.3   | 54    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 37.159 | 7.1    | 52    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 38.256 | 4.4    | 49    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 13.591 | 66.0#  | 9     | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 37.834 | 5.4    | 53    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 29.945 | 25.1#  | 38    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 40.898 | -2.2   | 51    | 0.00     |
| 57   | Fluorene                   | 40.000 | 39.885 | 0.3    | 54    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 35.387 | 11.5   | 47    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.014 | 2.5    | 54    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 43.195 | -8.0   | 59    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 34.246 | 14.4   | 44    | -0.01    |
| 62   | Azobenzene                 | 40.000 | 33.370 | 16.6   | 47    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 45    | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 16.934 | 57.7#  | 15    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 44.614 | -11.5  | 51    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 45.602 | -14.0  | 51    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 42.973 | -7.4   | 48    | 0.00     |
| 68   | Atrazine                   | 40.000 | 43.865 | -9.7   | 49    | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 37.703 | 5.7    | 39    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 38.804 | 3.0    | 45    | 0.00     |
| 71   | Anthracene                 | 40.000 | 38.488 | 3.8    | 44    | -0.01    |
| 72   | Carbazole                  | 40.000 | 35.954 | 10.1   | 41    | -0.01    |
| 73   | Di-n-butylphthalate        | 40.000 | 73.088 | -82.7# | 82    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 35.579 | 11.1   | 41    | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 59    | -0.01    |
| 76   | Benzidine                  | 40.000 | 24.010 | 40.0#  | 34    | 0.00     |
| 77   | Pyrene                     | 40.000 | 29.588 | 26.0#  | 42    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 62.067 | 22.4   | 45    | -0.01    |
| 79   | Butylbenzylphthalate       | 40.000 | 32.211 | 19.5   | 43    | -0.01    |
| 80   | Benzo(a)anthracene         | 40.000 | 37.139 | 7.2    | 54    | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.849 | -2.1   | 58    | 0.00     |
| 82   | Chrysene                   | 40.000 | 36.825 | 7.9    | 53    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 36.346 | 9.1    | 51    | -0.01    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.074 | -2.7   | 57    | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.994 | 2.5    | 58    | -0.02    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 69    | -0.01    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 38.025 | 4.9    | 61    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 38.161 | 4.6  | 67    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.075 | 4.8  | 65    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 35.394 | 11.5 | 59    | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 32.331 | 19.2 | 55    | -0.02    |

(#) = Out of Range

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