

Data Path : Z:\HPCHEM1\BNA F\Data\BF122817\  
 Data File : BF101795.D  
 Acq On : 28 Dec 2017 11:51  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 28 12:50:12 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 26 10:48:01 2017  
 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   | 87    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 35.633 | 10.9  | 77    | -0.01    |
| 3    | Pyridine                     | 40.000 | 34.672 | 13.3  | 74    | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 35.234 | 11.9  | 75    | -0.01    |
| 5 S  | 2-Fluorophenol               | 80.000 | 80.724 | -0.9  | 88    | 0.00     |
| 6    | Aniline                      | 40.000 | 35.921 | 10.2  | 80    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 73.643 | 7.9   | 84    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 38.833 | 2.9   | 87    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 33.190 | 17.0  | 73    | 0.00     |
| 10 C | Phenol                       | 40.000 | 36.006 | 10.0  | 80    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.528 | 6.2   | 83    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.231 | 1.9   | 87    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.477 | 1.3   | 89    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.758 | 3.1   | 86    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 37.492 | 6.3   | 84    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 37.232 | 6.9   | 81    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 36.864 | 7.8   | 85    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.866 | 2.8   | 86    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.114 | 7.2   | 87    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 43.553 | -8.9  | 96    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 87    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.523 | 1.2   | 88    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 76.878 | 3.9   | 84    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 37.221 | 6.9   | 83    | 0.00     |
| 25   | Isophorone                   | 40.000 | 36.575 | 8.6   | 82    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 44.708 | -11.8 | 95    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.681 | 3.3   | 87    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 37.529 | 6.2   | 85    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.464 | -3.7  | 91    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.484 | 3.8   | 85    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.061 | 4.8   | 86    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 46.207 | -15.5 | 117   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.795 | 3.0   | 88    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.316 | -0.8  | 90    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.697 | 0.8   | 88    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.379 | 1.6   | 87    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.997 | 5.0   | 87    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 90    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.141 | 2.1   | 90    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 33.289 | 16.8  | 70    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 86.021 | -7.5  | 97    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 40.412 | -1.0  | 90    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 36.833 | 7.9   | 82    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 76.556 | 4.3   | 88    | 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 | 37.151 | 7.1   | 88    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 37.189 | 7.0   | 88    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 39.179 | 2.1   | 88    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 36.576 | 8.6   | 87    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 36.304 | 9.2   | 86    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 39.313 | 1.7   | 87    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 37.453 | 6.4   | 89    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 40.862 | -2.2  | 91    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 44.075 | -10.2 | 112   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 41.309 | -3.3  | 94    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 40.877 | -2.2  | 88    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 48.403 | -21.0 | 108   | 0.00     |
| 57   | Fluorene                   | 40.000 | 39.977 | 0.1   | 91    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.249 | -3.1  | 92    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 38.585 | 3.5   | 93    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.200 | -3.0  | 92    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 40.026 | -0.1  | 91    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 35.877 | 10.3  | 86    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 94    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 47.525 | -18.8 | 106   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 36.891 | 7.8   | 90    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.087 | 2.3   | 94    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 38.312 | 4.2   | 92    | 0.00     |
| 68   | Atrazine                   | 40.000 | 38.312 | 4.2   | 91    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 35.649 | 10.9  | 87    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 36.965 | 7.6   | 92    | 0.00     |
| 71   | Anthracene                 | 40.000 | 37.452 | 6.4   | 93    | 0.00     |
| 72   | Carbazole                  | 40.000 | 37.960 | 5.1   | 93    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 39.116 | 2.2   | 97    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 38.201 | 4.5   | 95    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 96    | 0.00     |
| 76   | Benzidine                  | 40.000 | 44.490 | -11.2 | 108   | 0.00     |
| 77   | Pyrene                     | 40.000 | 37.489 | 6.3   | 94    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 74.252 | 7.2   | 96    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 39.534 | 1.2   | 96    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 36.891 | 7.8   | 92    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 36.642 | 8.4   | 89    | 0.00     |
| 82   | Chrysene                   | 40.000 | 37.574 | 6.1   | 94    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 37.339 | 6.7   | 92    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 38.910 | 2.7   | 96    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.906 | 5.2   | 97    | 0.01     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 106   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 33.693 | 15.8  | 89    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 35.198 | 12.0 | 99    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 34.329 | 14.2 | 93    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 34.581 | 13.5 | 97    | 0.01     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 35.738 | 10.7 | 99    | 0.01     |

(#) = Out of Range

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