

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120716\  
 Data File : BF091495.D  
 Acq On : 8 Dec 2016 4:08  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 08 06:33:21 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 08 00:35:13 2016  
 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    | -0.04    |
| 2    | 1,4-Dioxane                  | 40.000 | 34.206 | 14.5  | 72    | -0.11    |
| 3    | Pyridine                     | 40.000 | 30.534 | 23.7  | 62    | -0.12    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 34.517 | 13.7  | 72    | -0.12    |
| 5 S  | 2-Fluorophenol               | 80.000 | 74.393 | 7.0   | 77    | -0.04    |
| 6    | Aniline                      | 40.000 | 33.517 | 16.2  | 69    | -0.05    |
| 7 S  | Phenol-d6                    | 80.000 | 71.247 | 10.9  | 77    | -0.03    |
| 8    | 2-Chlorophenol               | 40.000 | 37.545 | 6.1   | 78    | -0.04    |
| 9    | Benzaldehyde                 | 40.000 | 32.021 | 19.9  | 65    | -0.04    |
| 10 C | Phenol                       | 40.000 | 33.159 | 17.1  | 70    | -0.04    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.266 | 6.8   | 82    | -0.04    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.841 | 5.4   | 84    | -0.04    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 34.967 | 12.6  | 75    | -0.05    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.484 | 1.3   | 83    | -0.04    |
| 15   | Benzyl Alcohol               | 40.000 | 36.678 | 8.3   | 73    | -0.05    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.114 | 4.7   | 79    | -0.04    |
| 17   | 2-Methylphenol               | 40.000 | 37.151 | 7.1   | 74    | -0.03    |
| 18   | Hexachloroethane             | 40.000 | 36.481 | 8.8   | 74    | -0.05    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.516 | -1.3  | 92    | -0.04    |
| 20   | 3+4-Methylphenols            | 40.000 | 34.553 | 13.6  | 78    | -0.04    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 75    | -0.05    |
| 22   | Acetophenone                 | 40.000 | 39.407 | 1.5   | 71    | -0.04    |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.196 | -1.5  | 79    | -0.05    |
| 24   | Nitrobenzene                 | 40.000 | 38.595 | 3.5   | 72    | -0.04    |
| 25   | Isophorone                   | 40.000 | 39.422 | 1.4   | 73    | -0.05    |
| 26 C | 2-Nitrophenol                | 40.000 | 44.733 | -11.8 | 89    | -0.04    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 36.182 | 9.5   | 65    | -0.04    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 43.927 | -9.8  | 90    | -0.04    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.372 | -3.4  | 83    | -0.04    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.540 | -3.8  | 78    | -0.05    |
| 31   | Naphthalene                  | 40.000 | 38.971 | 2.6   | 74    | -0.05    |
| 32   | Benzoic acid                 | 40.000 | 37.920 | 5.2   | 66    | -0.04    |
| 33   | 4-Chloroaniline              | 40.000 | 41.319 | -3.3  | 82    | -0.04    |
| 34 C | Hexachlorobutadiene          | 40.000 | 45.064 | -12.7 | 83    | -0.05    |
| 35   | Caprolactam                  | 40.000 | 39.466 | 1.3   | 72    | -0.05    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.876 | -7.2  | 82    | -0.04    |
| 37   | 2-Methylnaphthalene          | 40.000 | 44.223 | -10.6 | 83    | -0.04    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 76    | -0.04    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 37.238 | 6.9   | 81    | -0.05    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 18.239 | 54.4# | 36    | -0.05    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 73.533 | 8.1   | 76    | -0.04    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 40.586 | -1.5  | 78    | -0.04    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 36.430 | 8.9   | 69    | -0.04    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 90.459 | -13.1 | 86    | -0.04    |

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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 | 36.084 | 9.8   | 80    | -0.05    |
| 46   | 2-Chloronaphthalene        | 40.000 | 36.717 | 8.2   | 80    | -0.05    |
| 47   | 2-Nitroaniline             | 40.000 | 39.825 | 0.4   | 87    | -0.04    |
| 48   | Acenaphthylene             | 40.000 | 37.590 | 6.0   | 76    | -0.04    |
| 49   | Dimethylphthalate          | 40.000 | 42.239 | -5.6  | 81    | -0.05    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.359 | -5.9  | 79    | -0.04    |
| 51 C | Acenaphthene               | 40.000 | 39.410 | 1.5   | 75    | -0.04    |
| 52   | 3-Nitroaniline             | 40.000 | 36.555 | 8.6   | 83    | -0.04    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 19.294 | 51.8# | 34    | -0.05    |
| 54   | Dibenzofuran               | 40.000 | 37.459 | 6.4   | 75    | -0.04    |
| 55 P | 4-Nitrophenol              | 40.000 | 29.125 | 27.2# | 58    | -0.04    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 41.482 | -3.7  | 77    | -0.04    |
| 57   | Fluorene                   | 40.000 | 36.503 | 8.7   | 76    | -0.05    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.161 | 4.6   | 72    | -0.04    |
| 59   | Diethylphthalate           | 40.000 | 41.792 | -4.5  | 82    | -0.05    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 37.858 | 5.4   | 81    | -0.05    |
| 61   | 4-Nitroaniline             | 40.000 | 38.327 | 4.2   | 72    | -0.04    |
| 62   | Azobenzene                 | 40.000 | 39.706 | 0.7   | 73    | -0.05    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 69    | -0.05    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 24.007 | 40.0# | 42    | -0.05    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.043 | 2.4   | 72    | -0.05    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 44.884 | -12.2 | 74    | -0.05    |
| 67   | Hexachlorobenzene          | 40.000 | 39.158 | 2.1   | 74    | -0.05    |
| 68   | Atrazine                   | 40.000 | 35.608 | 11.0  | 71    | -0.05    |
| 69 C | Pentachlorophenol          | 40.000 | 37.942 | 5.1   | 60    | -0.05    |
| 70   | Phenanthrene               | 40.000 | 36.204 | 9.5   | 69    | -0.05    |
| 71   | Anthracene                 | 40.000 | 40.498 | -1.2  | 67    | -0.05    |
| 72   | Carbazole                  | 40.000 | 34.535 | 13.7  | 64    | -0.05    |
| 73   | Di-n-butylphthalate        | 40.000 | 44.837 | -12.1 | 75    | -0.05    |
| 74 C | Fluoranthene               | 40.000 | 38.588 | 3.5   | 63    | -0.05    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 72    | -0.06    |
| 76   | Benzidine                  | 40.000 | 27.223 | 31.9# | 47    | -0.05    |
| 77   | Pyrene                     | 40.000 | 35.447 | 11.4  | 59    | -0.05    |
| 78 S | Terphenyl-d14              | 80.000 | 78.553 | 1.8   | 66    | -0.05    |
| 79   | Butylbenzylphthalate       | 40.000 | 37.785 | 5.5   | 68    | -0.06    |
| 80   | Benzo(a)anthracene         | 40.000 | 39.198 | 2.0   | 72    | -0.05    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.418 | 1.5   | 74    | -0.05    |
| 82   | Chrysene                   | 40.000 | 40.691 | -1.7  | 71    | -0.05    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.368 | -5.9  | 74    | -0.05    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 47.876 | -19.7 | 84    | -0.05    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.842 | -4.6  | 72    | -0.11    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 84    | -0.07    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 36.780 | 8.0   | 70    | -0.06    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 42.199 | -5.5 | 106   | -0.05    |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.353 | 4.1  | 85    | -0.07    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 36.351 | 9.1  | 74    | -0.11    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 31.253 | 21.9 | 62    | -0.11    |

(#) = Out of Range

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