

Data Path : Z:\HPCHEM1\BNA F\Data\BF062117\  
 Data File : BF096081.D  
 Acq On : 21 Jun 2017 13:14  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 21 16:19:23 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 20 16:05:47 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   | 102   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 38.633 | 3.4   | 94    | 0.00     |
| 3    | Pyridine                     | 40.000 | 36.248 | 9.4   | 88    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 39.464 | 1.3   | 97    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 84.089 | -5.1  | 97    | 0.00     |
| 6    | Aniline                      | 40.000 | 41.610 | -4.0  | 99    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 81.220 | -1.5  | 95    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.380 | -3.5  | 97    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 36.596 | 8.5   | 88    | 0.00     |
| 10 C | Phenol                       | 40.000 | 42.829 | -7.1  | 98    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.396 | -3.5  | 97    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.506 | -1.3  | 102   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.872 | -2.2  | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.707 | -4.3  | 102   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 43.075 | -7.7  | 103   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 41.282 | -3.2  | 101   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 42.513 | -6.3  | 104   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 42.432 | -6.1  | 104   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.620 | -4.0  | 100   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 43.715 | -9.3  | 106   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 88    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 46.490 | -16.2 | 100   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 93.918 | -17.4 | 101   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 46.903 | -17.3 | 102   | 0.00     |
| 25   | Isophorone                   | 40.000 | 45.399 | -13.5 | 99    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 47.435 | -18.6 | 99    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.591 | -4.0  | 90    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.878 | -2.2  | 87    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.698 | -1.7  | 87    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.279 | -0.7  | 88    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.987 | 0.0   | 88    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 34.315 | 14.2  | 73    | 0.02     |
| 33   | 4-Chloroaniline              | 40.000 | 41.769 | -4.4  | 91    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.272 | -3.2  | 90    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 42.493 | -6.2  | 88    | 0.02     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.806 | -2.0  | 87    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.079 | -0.2  | 89    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 92    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.056 | -2.6  | 89    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 36.582 | 8.5   | 84    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 81.472 | -1.8  | 92    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 39.620 | 1.0   | 84    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 38.031 | 4.9   | 79    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 77.522 | 3.1   | 87    | 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 | 40.141 | -0.4 | 88    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.637 | 0.9  | 87    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 40.893 | -2.2 | 83    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 37.526 | 6.2  | 81    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 38.620 | 3.5  | 84    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 37.754 | 5.6  | 78    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 39.477 | 1.3  | 91    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 40.877 | -2.2 | 93    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 37.427 | 6.4  | 88    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 39.604 | 1.0  | 91    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 34.360 | 14.1 | 75    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 41.869 | -4.7 | 93    | 0.00     |
| 57   | Fluorene                   | 40.000 | 39.673 | 0.8  | 91    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.026 | 4.9  | 84    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.389 | 1.5  | 90    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.722 | 0.7  | 91    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 39.967 | 0.1  | 89    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 39.063 | 2.3  | 89    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 90    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 38.029 | 4.9  | 82    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 38.817 | 3.0  | 89    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.329 | -0.8 | 90    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 41.156 | -2.9 | 92    | 0.00     |
| 68   | Atrazine                   | 40.000 | 40.563 | -1.4 | 93    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 36.530 | 8.7  | 84    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 39.834 | 0.4  | 92    | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.744 | 0.6  | 92    | 0.00     |
| 72   | Carbazole                  | 40.000 | 41.719 | -4.3 | 93    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 40.539 | -1.3 | 90    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 41.041 | -2.6 | 92    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 92    | 0.00     |
| 76   | Benzidine                  | 40.000 | 39.983 | 0.0  | 89    | 0.00     |
| 77   | Pyrene                     | 40.000 | 40.482 | -1.2 | 92    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 81.033 | -1.3 | 93    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 40.706 | -1.8 | 90    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.346 | -0.9 | 91    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.201 | -0.5 | 89    | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.789 | 0.5  | 90    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.165 | -0.4 | 89    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 37.934 | 5.2  | 84    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 34.037 | 14.9 | 82    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 81    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 41.482 | -3.7 | 80    | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 41.792 | -4.5 | 87    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.037 | -2.6 | 83    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 37.902 | 5.2  | 81    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 38.580 | 3.6  | 83    | 0.00     |

(#) = Out of Range

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