

Data Path : Z:\HPCHEM1\BNA F\Data\BF033117\  
 Data File : BF094091.D  
 Acq On : 31 Mar 2017 12:42  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 31 17:21:22 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 31 14:38:29 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   | 104   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 38.158 | 4.6   | 97    | 0.00     |
| 3    | Pyridine                     | 40.000 | 37.701 | 5.7   | 94    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 38.297 | 4.3   | 95    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 77.397 | 3.3   | 101   | 0.00     |
| 6    | Aniline                      | 40.000 | 35.870 | 10.3  | 90    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 76.735 | 4.1   | 99    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.341 | -0.9  | 102   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 36.038 | 9.9   | 93    | 0.00     |
| 10 C | Phenol                       | 40.000 | 37.470 | 6.3   | 92    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.062 | 2.3   | 100   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.571 | 1.1   | 101   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.523 | 1.2   | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.097 | 2.3   | 101   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 38.222 | 4.4   | 96    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 35.252 | 11.9  | 89    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.701 | 3.2   | 98    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.464 | 1.3   | 99    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.874 | 5.3   | 97    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 41.298 | -3.2  | 108   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 102   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 41.489 | -3.7  | 109   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 79.625 | 0.5   | 101   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.510 | 1.2   | 100   | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.047 | 2.4   | 100   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 43.697 | -9.2  | 104   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.996 | 0.0   | 101   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.623 | 3.4   | 98    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.892 | -2.2  | 103   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.014 | -0.0  | 102   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.296 | 1.8   | 101   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 26.594 | 33.5# | 60    | -0.02    |
| 33   | 4-Chloroaniline              | 40.000 | 40.402 | -1.0  | 102   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.276 | -0.7  | 103   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.496 | -1.2  | 100   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.527 | -1.3  | 102   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.566 | 1.1   | 101   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 103   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.176 | -2.9  | 106   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 36.913 | 7.7   | 88    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 84.772 | -6.0  | 106   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 40.372 | -0.9  | 102   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.868 | -2.2  | 100   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 81.252 | -1.6  | 104   | 0.00     |

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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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 39.689 | 0.8   | 102   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.092 | -0.2  | 103   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 41.385 | -3.5  | 101   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 39.266 | 1.8   | 100   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 40.620 | -1.5  | 104   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.648 | -4.1  | 103   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 39.083 | 2.3   | 102   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 41.772 | -4.4  | 105   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 27.541 | 31.1# | 66    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.475 | 3.8   | 98    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 34.879 | 12.8  | 84    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 40.012 | -0.0  | 97    | 0.00     |
| 57   | Fluorene                   | 40.000 | 38.332 | 4.2   | 105   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.753 | 3.1   | 97    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.786 | 0.5   | 102   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 38.160 | 4.6   | 103   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 42.369 | -5.9  | 105   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 38.389 | 4.0   | 97    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 103   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 34.435 | 13.9  | 83    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.816 | 0.5   | 103   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.494 | -1.2  | 103   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 41.509 | -3.8  | 107   | 0.00     |
| 68   | Atrazine                   | 40.000 | 40.171 | -0.4  | 102   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 30.342 | 24.1# | 75    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 39.574 | 1.1   | 103   | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.680 | 0.8   | 103   | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.408 | 1.5   | 102   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 40.569 | -1.4  | 103   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 40.028 | -0.1  | 104   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 96    | 0.00     |
| 76   | Benzidine                  | 40.000 | 11.211 | 72.0# | 26    | 0.00     |
| 77   | Pyrene                     | 40.000 | 42.591 | -6.5  | 102   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 85.075 | -6.3  | 103   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 44.647 | -11.6 | 102   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.221 | -0.6  | 95    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 37.994 | 5.0   | 87    | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.870 | 0.3   | 96    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.098 | -7.7  | 99    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 40.793 | -2.0  | 92    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.871 | 7.8   | 91    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 83    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 43.718 | -9.3  | 89    | 0.00     |

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|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 39.732 | 0.7   | 80    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.172 | -2.9  | 83    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 43.575 | -8.9  | 90    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 44.789 | -12.0 | 94    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1