

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021417\  
 Data File : BF092934.D  
 Acq On : 14 Feb 2017 10:39  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 14 12:22:17 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 13 18:04:38 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  | 94    | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 40.379 | -0.9 | 97    | 0.01     |
| 3    | Pyridine                     | 40.000 | 40.620 | -1.5 | 94    | 0.01     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 37.714 | 5.7  | 88    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.626 | 1.7  | 88    | -0.01    |
| 6    | Aniline                      | 40.000 | 42.429 | -6.1 | 103   | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 82.982 | -3.7 | 98    | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 41.264 | -3.2 | 97    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 37.988 | 5.0  | 87    | 0.00     |
| 10 C | Phenol                       | 40.000 | 43.781 | -9.5 | 108   | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.969 | 2.6  | 96    | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.550 | 1.1  | 95    | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.623 | -4.1 | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.134 | 2.2  | 91    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 36.961 | 7.6  | 90    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.901 | -2.3 | 97    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 43.078 | -7.7 | 96    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.517 | 1.2  | 93    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.292 | 6.8  | 96    | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 38.764 | 3.1  | 89    | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 97    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.120 | 4.7  | 95    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 77.380 | 3.3  | 93    | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 41.363 | -3.4 | 108   | -0.01    |
| 25   | Isophorone                   | 40.000 | 39.879 | 0.3  | 99    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.809 | -7.0 | 96    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.374 | 6.6  | 86    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 36.774 | 8.1  | 90    | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.457 | -1.1 | 103   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.929 | 2.7  | 97    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.187 | 4.5  | 95    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 35.237 | 11.9 | 81    | -0.01    |
| 33   | 4-Chloroaniline              | 40.000 | 38.030 | 4.9  | 90    | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 36.666 | 8.3  | 89    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.102 | -2.8 | 93    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.195 | -3.0 | 99    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 36.359 | 9.1  | 88    | -0.01    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 98    | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.462 | -3.7 | 103   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 36.015 | 10.0 | 87    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 79.122 | 1.1  | 89    | -0.01    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 39.759 | 0.6  | 92    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 38.501 | 3.7  | 97    | -0.01    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 75.856 | 5.2  | 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 | 42.307 | -5.8  | 99    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.554 | -1.4  | 93    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 39.551 | 1.1   | 103   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 36.558 | 8.6   | 96    | -0.01    |
| 49   | Dimethylphthalate          | 40.000 | 37.723 | 5.7   | 92    | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 46.357 | -15.9 | 110   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 37.492 | 6.3   | 97    | -0.01    |
| 52   | 3-Nitroaniline             | 40.000 | 46.296 | -15.7 | 106   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 47.664 | -19.2 | 120   | -0.01    |
| 54   | Dibenzofuran               | 40.000 | 36.385 | 9.0   | 95    | -0.01    |
| 55 P | 4-Nitrophenol              | 40.000 | 40.979 | -2.4  | 101   | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 40.047 | -0.1  | 87    | -0.01    |
| 57   | Fluorene                   | 40.000 | 38.062 | 4.8   | 95    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.053 | -7.6  | 94    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 38.630 | 3.4   | 92    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 36.515 | 8.7   | 92    | -0.01    |
| 61   | 4-Nitroaniline             | 40.000 | 38.330 | 4.2   | 94    | -0.01    |
| 62   | Azobenzene                 | 40.000 | 39.027 | 2.4   | 95    | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 102   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 46.612 | -16.5 | 121   | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.239 | 1.9   | 100   | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 36.090 | 9.8   | 95    | -0.01    |
| 67   | Hexachlorobenzene          | 40.000 | 38.169 | 4.6   | 100   | -0.01    |
| 68   | Atrazine                   | 40.000 | 37.383 | 6.5   | 102   | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 45.756 | -14.4 | 123   | -0.01    |
| 70   | Phenanthrene               | 40.000 | 35.048 | 12.4  | 89    | -0.01    |
| 71   | Anthracene                 | 40.000 | 40.547 | -1.4  | 107   | 0.00     |
| 72   | Carbazole                  | 40.000 | 36.014 | 10.0  | 87    | -0.01    |
| 73   | Di-n-butylphthalate        | 40.000 | 40.659 | -1.6  | 105   | -0.01    |
| 74 C | Fluoranthene               | 40.000 | 39.036 | 2.4   | 98    | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 98    | -0.01    |
| 76   | Benzidine                  | 40.000 | 38.022 | 4.9   | 94    | 0.00     |
| 77   | Pyrene                     | 40.000 | 41.494 | -3.7  | 96    | -0.01    |
| 78 S | Terphenyl-d14              | 80.000 | 76.733 | 4.1   | 98    | -0.01    |
| 79   | Butylbenzylphthalate       | 40.000 | 43.985 | -10.0 | 108   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 38.857 | 2.9   | 94    | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.966 | -2.4  | 98    | -0.01    |
| 82   | Chrysene                   | 40.000 | 42.525 | -6.3  | 96    | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.401 | -1.0  | 95    | -0.01    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 43.647 | -9.1  | 102   | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.276 | 6.8   | 96    | -0.02    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 99    | -0.01    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 37.855 | 5.4   | 89    | -0.01    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.919 | -2.3 | 111   | -0.02    |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.458 | 1.4  | 98    | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 36.731 | 8.2  | 97    | -0.03    |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 36.245 | 9.4  | 96    | -0.03    |

(#) = Out of Range

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