

Data Path : Z:\HPCHEM1\BNA F\Data\BF012218\  
 Data File : BF102297.D  
 Acq On : 22 Jan 2018 14:10  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 23 00:05:35 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 22 13:38:42 2018  
 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  | 99    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 40.613 | -1.5 | 98    | 0.00     |
| 3    | Pyridine                     | 40.000 | 40.607 | -1.5 | 96    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.268 | -3.2 | 98    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 80.368 | -0.5 | 97    | 0.00     |
| 6    | Aniline                      | 40.000 | 40.374 | -0.9 | 98    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 79.738 | 0.3  | 98    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.385 | -1.0 | 97    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 40.997 | -2.5 | 98    | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.983 | 0.0  | 97    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.144 | -0.4 | 96    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.633 | 0.9  | 97    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.096 | -0.2 | 97    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.447 | -1.1 | 98    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 39.374 | 1.6  | 95    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.220 | -0.5 | 96    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.583 | -1.5 | 97    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.794 | 0.5  | 96    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.143 | 2.1  | 95    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 39.925 | 0.2  | 94    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 97    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.898 | 2.8  | 97    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 79.110 | 1.1  | 96    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.973 | 0.1  | 95    | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.944 | 0.1  | 96    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.697 | -1.7 | 95    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.382 | 1.5  | 94    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.950 | 0.1  | 96    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.137 | -0.3 | 96    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.905 | 0.2  | 97    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.305 | 1.7  | 96    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 35.936 | 10.2 | 86    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.326 | 1.7  | 95    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.687 | 0.8  | 95    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.516 | 1.2  | 94    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.861 | 0.3  | 96    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.119 | 2.2  | 96    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 96    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.027 | -0.1 | 96    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 42.398 | -6.0 | 95    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 78.582 | 1.8  | 95    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 39.862 | 0.3  | 95    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 39.705 | 0.7  | 94    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 80.075 | -0.1 | 96    | 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 | 39.475 | 1.3  | 96    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.632 | 0.9  | 95    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 40.207 | -0.5 | 97    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 39.062 | 2.3  | 94    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.400 | 1.5  | 96    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 39.364 | 1.6  | 92    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 39.005 | 2.5  | 95    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 39.794 | 0.5  | 95    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 39.270 | 1.8  | 91    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 40.749 | -1.9 | 96    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 40.874 | -2.2 | 92    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 39.629 | 0.9  | 93    | 0.00     |
| 57   | Fluorene                   | 40.000 | 40.235 | -0.6 | 97    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.259 | -0.6 | 98    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 38.857 | 2.9  | 94    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.562 | -1.4 | 96    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 39.313 | 1.7  | 93    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 39.177 | 2.1  | 94    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 95    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.048 | -5.1 | 94    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.847 | 0.4  | 96    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.299 | -0.7 | 95    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 39.506 | 1.2  | 93    | 0.00     |
| 68   | Atrazine                   | 40.000 | 39.186 | 2.0  | 94    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 41.674 | -4.2 | 91    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 39.398 | 1.5  | 95    | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.553 | 1.1  | 95    | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.305 | 1.7  | 95    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 39.598 | 1.0  | 94    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 38.089 | 4.8  | 92    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 91    | 0.00     |
| 76   | Benzidine                  | 40.000 | 40.064 | -0.2 | 97    | 0.00     |
| 77   | Pyrene                     | 40.000 | 41.374 | -3.4 | 93    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 79.745 | 0.3  | 93    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 41.495 | -3.7 | 91    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.643 | 0.9  | 91    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.072 | -2.7 | 92    | 0.00     |
| 82   | Chrysene                   | 40.000 | 40.453 | -1.1 | 92    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.806 | -2.0 | 90    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 39.767 | 0.6  | 89    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.113 | 7.2  | 90    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 87    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 38.975 | 2.6  | 83    | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 41.854 | -4.6 | 94    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.019 | -0.0 | 87    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 39.160 | 2.1  | 89    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 39.327 | 1.7  | 91    | 0.00     |

(#) = Out of Range

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