

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\  
 Data File : BF088990.D  
 Acq On : 14 Jul 2016 17:16  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 14 19:20:06 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 11 18:13:32 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   | 46    | -0.02    |
| 2    | 1,4-Dioxane                  | 40.000 | 35.629 | 10.9  | 42    | -0.03    |
| 3    | Pyridine                     | 40.000 | 35.247 | 11.9  | 42    | -0.05    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 36.932 | 7.7   | 44    | -0.05    |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.394 | 2.0   | 44    | -0.01    |
| 6    | Aniline                      | 40.000 | 36.089 | 9.8   | 41    | -0.03    |
| 7 S  | Phenol-d6                    | 80.000 | 79.483 | 0.6   | 47    | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 37.675 | 5.8   | 46    | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 32.537 | 18.7  | 40    | -0.02    |
| 10 C | Phenol                       | 40.000 | 39.934 | 0.2   | 45    | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.855 | 0.4   | 49    | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.658 | -4.1  | 52    | -0.02    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 42.464 | -6.2  | 52    | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.015 | 2.5   | 50    | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 37.016 | 7.5   | 41    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 32.214 | 19.5  | 37    | -0.02    |
| 17   | 2-Methylphenol               | 40.000 | 37.443 | 6.4   | 43    | -0.02    |
| 18   | Hexachloroethane             | 40.000 | 40.689 | -1.7  | 48    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.930 | 2.7   | 52    | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 44.060 | -10.2 | 54    | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 45    | -0.02    |
| 22   | Acetophenone                 | 40.000 | 44.077 | -10.2 | 51    | -0.02    |
| 23 S | Nitrobenzene-d5              | 80.000 | 72.565 | 9.3   | 43    | -0.02    |
| 24   | Nitrobenzene                 | 40.000 | 43.609 | -9.0  | 52    | -0.02    |
| 25   | Isophorone                   | 40.000 | 36.763 | 8.1   | 43    | -0.02    |
| 26 C | 2-Nitrophenol                | 40.000 | 41.002 | -2.5  | 50    | -0.02    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.982 | 0.0   | 45    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.498 | 1.3   | 49    | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 43.567 | -8.9  | 52    | -0.02    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 43.363 | -8.4  | 49    | -0.02    |
| 31   | Naphthalene                  | 40.000 | 44.075 | -10.2 | 50    | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 37.119 | 7.2   | 42    | -0.02    |
| 33   | 4-Chloroaniline              | 40.000 | 37.571 | 6.1   | 43    | -0.02    |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.087 | -0.2  | 46    | -0.03    |
| 35   | Caprolactam                  | 40.000 | 36.282 | 9.3   | 40    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 38.784 | 3.0   | 45    | -0.02    |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.886 | -2.2  | 53    | -0.02    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 46    | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 48.658 | -21.6 | 54    | -0.02    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 33.797 | 15.5  | 39    | -0.02    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 70.752 | 11.6  | 39    | -0.03    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 40.100 | -0.3  | 50    | -0.02    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 44.579 | -11.4 | 50    | -0.02    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 87.111 | -8.9  | 55    | -0.02    |

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|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 46.281 | -15.7 | 52    | -0.02    |
| 46   | 2-Chloronaphthalene        | 40.000 | 42.293 | -5.7  | 47    | -0.02    |
| 47   | 2-Nitroaniline             | 40.000 | 39.226 | 1.9   | 41    | -0.02    |
| 48   | Acenaphthylene             | 40.000 | 43.623 | -9.1  | 50    | -0.02    |
| 49   | Dimethylphthalate          | 40.000 | 41.928 | -4.8  | 52    | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.862 | -7.2  | 53    | -0.02    |
| 51 C | Acenaphthene               | 40.000 | 44.934 | -12.3 | 54    | -0.02    |
| 52   | 3-Nitroaniline             | 40.000 | 37.833 | 5.4   | 38    | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 41.113 | -2.8  | 48    | -0.02    |
| 54   | Dibenzofuran               | 40.000 | 41.707 | -4.3  | 48    | -0.02    |
| 55 P | 4-Nitrophenol              | 40.000 | 35.795 | 10.5  | 37    | -0.02    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 45.450 | -13.6 | 55    | -0.02    |
| 57   | Fluorene                   | 40.000 | 40.814 | -2.0  | 45    | -0.03    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.882 | -2.2  | 46    | -0.02    |
| 59   | Diethylphthalate           | 40.000 | 40.114 | -0.3  | 46    | -0.03    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 44.522 | -11.3 | 56    | -0.02    |
| 61   | 4-Nitroaniline             | 40.000 | 42.286 | -5.7  | 53    | -0.03    |
| 62   | Azobenzene                 | 40.000 | 42.169 | -5.4  | 51    | -0.02    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 47    | -0.03    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 41.694 | -4.2  | 44    | -0.02    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.276 | 1.8   | 44    | -0.03    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.014 | 2.5   | 47    | -0.02    |
| 67   | Hexachlorobenzene          | 40.000 | 36.769 | 8.1   | 43    | -0.02    |
| 68   | Atrazine                   | 40.000 | 42.795 | -7.0  | 48    | -0.02    |
| 69 C | Pentachlorophenol          | 40.000 | 34.410 | 14.0  | 38    | -0.02    |
| 70   | Phenanthrene               | 40.000 | 43.743 | -9.4  | 54    | -0.02    |
| 71   | Anthracene                 | 40.000 | 38.360 | 4.1   | 45    | -0.03    |
| 72   | Carbazole                  | 40.000 | 42.551 | -6.4  | 55    | -0.02    |
| 73   | Di-n-butylphthalate        | 40.000 | 43.609 | -9.0  | 54    | -0.02    |
| 74 C | Fluoranthene               | 40.000 | 43.860 | -9.6  | 49    | -0.02    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 50    | -0.03    |
| 76   | Benzidine                  | 40.000 | 32.946 | 17.6  | 40    | -0.02    |
| 77   | Pyrene                     | 40.000 | 41.118 | -2.8  | 49    | -0.02    |
| 78 S | Terphenyl-d14              | 80.000 | 76.197 | 4.8   | 49    | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 39.339 | 1.7   | 50    | -0.02    |
| 80   | Benzo(a)anthracene         | 40.000 | 38.884 | 2.8   | 49    | -0.03    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 33.532 | 16.2  | 44    | -0.03    |
| 82   | Chrysene                   | 40.000 | 32.685 | 18.3  | 41    | -0.03    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.265 | -8.2  | 51    | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 38.360 | 4.1   | 46    | -0.03    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 35.953 | 10.1  | 47    | -0.05    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 43    | -0.03    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 48.131 | -20.3 | 54    | -0.02    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 37.402 | 6.5  | 40    | -0.03    |
| 89 C | Benzo(a)pyrene         | 40.000 | 43.865 | -9.7 | 47    | -0.03    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 43.591 | -9.0 | 48    | -0.05    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 42.428 | -6.1 | 46    | -0.06    |

(#) = Out of Range

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