

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\  
 Data File : BF082551.D  
 Acq On : 27 Oct 2015 17:19  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 27 17:49:33 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 27 02:43:58 2015  
 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   | 93    | -0.02    |
| 2    | 1,4-Dioxane                  | 40.000 | 35.730 | 10.7  | 90    | -0.03    |
| 3    | Pyridine                     | 40.000 | 39.574 | 1.1   | 88    | -0.03    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.463 | -1.2  | 93    | -0.03    |
| 5 S  | 2-Fluorophenol               | 80.000 | 83.179 | -4.0  | 98    | -0.01    |
| 6    | Aniline                      | 40.000 | 39.458 | 1.4   | 94    | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 78.094 | 2.4   | 96    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.776 | -4.4  | 98    | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 42.578 | -6.4  | 95    | -0.01    |
| 10 C | Phenol                       | 40.000 | 40.873 | -2.2  | 106   | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.698 | -1.7  | 102   | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.816 | 0.5   | 98    | 0.07     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.219 | 2.0   | 95    | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 42.497 | -6.2  | 111   | -0.17    |
| 15   | Benzyl Alcohol               | 40.000 | 41.368 | -3.4  | 100   | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.526 | 3.7   | 92    | -0.02    |
| 17   | 2-Methylphenol               | 40.000 | 40.140 | -0.4  | 92    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 39.218 | 2.0   | 93    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.857 | -4.6  | 106   | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 40.675 | -1.7  | 97    | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 97    | -0.02    |
| 22   | Acetophenone                 | 40.000 | 38.957 | 2.6   | 96    | -0.02    |
| 23 S | Nitrobenzene-d5              | 80.000 | 78.836 | 1.5   | 99    | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 39.539 | 1.2   | 93    | -0.01    |
| 25   | Isophorone                   | 40.000 | 39.556 | 1.1   | 99    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 40.777 | -1.9  | 100   | -0.02    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.992 | 0.0   | 101   | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.344 | 4.1   | 98    | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.089 | -5.2  | 102   | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.385 | 4.0   | 97    | -0.02    |
| 31   | Naphthalene                  | 40.000 | 38.516 | 3.7   | 100   | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 34.027 | 14.9  | 80    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.514 | 1.2   | 92    | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.093 | -2.7  | 106   | -0.01    |
| 35   | Caprolactam                  | 40.000 | 38.843 | 2.9   | 99    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.535 | -3.8  | 97    | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.858 | -2.1  | 102   | -0.01    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 99    | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.800 | 0.5   | 100   | -0.02    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 29.236 | 26.9# | 55    | -0.02    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 76.164 | 4.8   | 93    | -0.02    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 40.792 | -2.0  | 99    | -0.01    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 39.901 | 0.2   | 94    | -0.01    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 83.019 | -3.8  | 110   | -0.01    |

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|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 39.777 | 0.6   | 92    | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 41.022 | -2.6  | 100   | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 40.519 | -1.3  | 103   | -0.01    |
| 48   | Acenaphthylene             | 40.000 | 40.739 | -1.8  | 106   | -0.01    |
| 49   | Dimethylphthalate          | 40.000 | 41.261 | -3.2  | 101   | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.783 | -2.0  | 94    | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 41.088 | -2.7  | 106   | -0.01    |
| 52   | 3-Nitroaniline             | 40.000 | 42.862 | -7.2  | 98    | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 37.072 | 7.3   | 88    | -0.01    |
| 54   | Dibenzofuran               | 40.000 | 39.878 | 0.3   | 104   | -0.01    |
| 55 P | 4-Nitrophenol              | 40.000 | 31.305 | 21.7  | 65    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 42.340 | -5.9  | 108   | -0.01    |
| 57   | Fluorene                   | 40.000 | 41.934 | -4.8  | 111   | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.146 | 2.1   | 96    | -0.01    |
| 59   | Diethylphthalate           | 40.000 | 37.820 | 5.4   | 93    | -0.02    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.331 | -3.3  | 108   | -0.02    |
| 61   | 4-Nitroaniline             | 40.000 | 39.073 | 2.3   | 88    | -0.01    |
| 62   | Azobenzene                 | 40.000 | 40.067 | -0.2  | 106   | -0.02    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 96    | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.292 | -5.7  | 101   | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.684 | -1.7  | 106   | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.561 | -6.4  | 109   | -0.01    |
| 67   | Hexachlorobenzene          | 40.000 | 39.278 | 1.8   | 93    | -0.02    |
| 68   | Atrazine                   | 40.000 | 42.339 | -5.8  | 101   | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 32.591 | 18.5  | 74    | -0.01    |
| 70   | Phenanthrene               | 40.000 | 40.958 | -2.4  | 111   | -0.01    |
| 71   | Anthracene                 | 40.000 | 40.388 | -1.0  | 96    | -0.02    |
| 72   | Carbazole                  | 40.000 | 41.366 | -3.4  | 100   | -0.01    |
| 73   | Di-n-butylphthalate        | 40.000 | 41.954 | -4.9  | 110   | -0.01    |
| 74 C | Fluoranthene               | 40.000 | 41.267 | -3.2  | 107   | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 89    | -0.02    |
| 76   | Benzidine                  | 40.000 | 36.123 | 9.7   | 79    | -0.02    |
| 77   | Pyrene                     | 40.000 | 44.825 | -12.1 | 106   | -0.01    |
| 78 S | Terphenyl-d14              | 80.000 | 82.763 | -3.5  | 92    | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 44.511 | -11.3 | 105   | -0.01    |
| 80   | Benzo(a)anthracene         | 40.000 | 38.521 | 3.7   | 91    | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.438 | -1.1  | 87    | -0.02    |
| 82   | Chrysene                   | 40.000 | 38.720 | 3.2   | 91    | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.285 | 1.8   | 88    | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 33.147 | 17.1  | 75    | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 32.289 | 19.3  | 76    | -0.03    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 68    | -0.02    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 37.049 | 7.4   | 66    | -0.03    |

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|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 48.849 | -22.1 | 86    | -0.03    |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.305 | -0.8  | 71    | -0.03    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 42.968 | -7.4  | 76    | -0.05    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 43.254 | -8.1  | 79    | -0.05    |

(#) = Out of Range

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