

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030217\  
 Data File : BG026022.D  
 Acq On : 2 Mar 2017 10:02  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 02 15:03:19 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 28 15:36:56 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    | 121   | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 39.833 | 0.4    | 119   | -0.01    |
| 3    | Pyridine                     | 40.000 | 37.296 | 6.8    | 108   | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 32.943 | 17.6   | 96    | -0.01    |
| 5 S  | 2-Fluorophenol               | 80.000 | 79.660 | 0.4    | 116   | -0.01    |
| 6    | Aniline                      | 40.000 | 35.512 | 11.2   | 103   | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 72.317 | 9.6    | 104   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 38.253 | 4.4    | 112   | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 35.533 | 11.2   | 105   | -0.02    |
| 10 C | Phenol                       | 40.000 | 35.546 | 11.1   | 102   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.150 | 9.6    | 106   | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.453 | 1.4    | 118   | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.210 | -0.5   | 118   | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.968 | 2.6    | 115   | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 34.529 | 13.7   | 96    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 30.078 | 24.8   | 89    | -0.02    |
| 17   | 2-Methylphenol               | 40.000 | 35.606 | 11.0   | 101   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.798 | 0.5    | 119   | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 32.633 | 18.4   | 93    | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 34.734 | 13.2   | 99    | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 100   | -0.01    |
| 22   | Acetophenone                 | 40.000 | 39.845 | 0.4    | 98    | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 78.587 | 1.8    | 96    | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 38.664 | 3.3    | 94    | -0.01    |
| 25   | Isophorone                   | 40.000 | 38.218 | 4.5    | 93    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 39.151 | 2.1    | 92    | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.587 | 1.0    | 97    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.534 | 3.7    | 95    | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.145 | -2.9   | 99    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 43.063 | -7.7   | 109   | -0.02    |
| 31   | Naphthalene                  | 40.000 | 40.061 | -0.2   | 99    | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 32.072 | 19.8   | 76    | -0.02    |
| 33   | 4-Chloroaniline              | 40.000 | 37.855 | 5.4    | 93    | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 44.742 | -11.9  | 112   | -0.02    |
| 35   | Caprolactam                  | 40.000 | 38.989 | 2.5    | 92    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 36.684 | 8.3    | 89    | -0.01    |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.678 | 3.3    | 95    | -0.01    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 81    | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 49.230 | -23.1  | 97    | -0.01    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 45.806 | -14.5  | 89    | -0.02    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 93.838 | -17.3  | 92    | -0.01    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 49.304 | -23.3# | 95    | -0.01    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 48.023 | -20.1  | 93    | -0.01    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 94.155 | -17.7  | 94    | -0.01    |

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|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 46.359 | -15.9  | 92    | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 46.328 | -15.8  | 92    | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 39.748 | 0.6    | 74    | -0.01    |
| 48   | Acenaphthylene             | 40.000 | 46.076 | -15.2  | 91    | -0.01    |
| 49   | Dimethylphthalate          | 40.000 | 44.993 | -12.5  | 89    | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.879 | -7.2   | 81    | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 44.217 | -10.5  | 88    | -0.01    |
| 52   | 3-Nitroaniline             | 40.000 | 41.001 | -2.5   | 77    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 29.488 | 26.3#  | 59    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 44.275 | -10.7  | 88    | -0.01    |
| 55 P | 4-Nitrophenol              | 40.000 | 36.231 | 9.4    | 68    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 41.806 | -4.5   | 78    | -0.01    |
| 57   | Fluorene                   | 40.000 | 44.478 | -11.2  | 89    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 46.029 | -15.1  | 88    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 44.660 | -11.6  | 89    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 45.688 | -14.2  | 92    | -0.01    |
| 61   | 4-Nitroaniline             | 40.000 | 39.658 | 0.9    | 77    | -0.01    |
| 62   | Azobenzene                 | 40.000 | 42.041 | -5.1   | 82    | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 88    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 31.847 | 20.4   | 68    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.877 | 0.3    | 86    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.977 | -4.9   | 91    | -0.01    |
| 67   | Hexachlorobenzene          | 40.000 | 43.661 | -9.2   | 96    | -0.01    |
| 68   | Atrazine                   | 40.000 | 43.119 | -7.8   | 93    | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 40.912 | -2.3   | 85    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 39.988 | 0.0    | 88    | -0.01    |
| 71   | Anthracene                 | 40.000 | 40.601 | -1.5   | 88    | -0.01    |
| 72   | Carbazole                  | 40.000 | 39.295 | 1.8    | 86    | -0.01    |
| 73   | Di-n-butylphthalate        | 40.000 | 45.424 | -13.6  | 96    | -0.02    |
| 74 C | Fluoranthene               | 40.000 | 41.878 | -4.7   | 92    | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 92    | -0.02    |
| 76   | Benzidine                  | 40.000 | 30.378 | 24.1   | 66    | -0.01    |
| 77   | Pyrene                     | 40.000 | 40.450 | -1.1   | 92    | -0.01    |
| 78 S | Terphenyl-d14              | 80.000 | 80.671 | -0.8   | 93    | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 47.260 | -18.1  | 102   | -0.02    |
| 80   | Benzo(a)anthracene         | 40.000 | 39.170 | 2.1    | 89    | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.328 | 1.7    | 86    | -0.02    |
| 82   | Chrysene                   | 40.000 | 39.137 | 2.2    | 89    | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 48.880 | -22.2  | 106   | -0.03    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 49.721 | -24.3# | 106   | -0.04    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 34.595 | 13.5   | 77    | -0.04    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 88    | -0.03    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.262 | 1.8    | 83    | -0.03    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.488 | -1.2 | 87    | -0.03    |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.107 | 2.2  | 83    | -0.03    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 35.638 | 10.9 | 76    | -0.06    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 37.108 | 7.2  | 80    | -0.05    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 2