

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG061217\  
 Data File : BG027378.D  
 Acq On : 12 Jun 2017 16:50  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 13 03:51:47 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:00:35 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   | 91    | -0.03    |
| 2    | 1,4-Dioxane                  | 40.000 | 46.812 | -17.0 | 109   | -0.02    |
| 3    | Pyridine                     | 40.000 | 46.545 | -16.4 | 106   | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 47.264 | -18.2 | 108   | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 89.440 | -11.8 | 101   | -0.03    |
| 6    | Aniline                      | 40.000 | 40.213 | -0.5  | 89    | -0.03    |
| 7 S  | Phenol-d6                    | 80.000 | 87.307 | -9.1  | 97    | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 41.832 | -4.6  | 94    | -0.03    |
| 9    | Benzaldehyde                 | 40.000 | 38.503 | 3.7   | 86    | -0.03    |
| 10 C | Phenol                       | 40.000 | 44.152 | -10.4 | 99    | -0.03    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 42.792 | -7.0  | 96    | -0.03    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.865 | -2.2  | 93    | -0.03    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.413 | -1.0  | 92    | -0.03    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.047 | -0.1  | 92    | -0.03    |
| 15   | Benzyl Alcohol               | 40.000 | 37.626 | 5.9   | 82    | -0.03    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 48.255 | -20.6 | 109   | -0.04    |
| 17   | 2-Methylphenol               | 40.000 | 40.665 | -1.7  | 91    | -0.03    |
| 18   | Hexachloroethane             | 40.000 | 43.153 | -7.9  | 97    | -0.04    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 44.179 | -10.4 | 97    | -0.04    |
| 20   | 3+4-Methylphenols            | 40.000 | 41.395 | -3.5  | 91    | -0.04    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 87    | -0.04    |
| 22   | Acetophenone                 | 40.000 | 43.166 | -7.9  | 92    | -0.03    |
| 23 S | Nitrobenzene-d5              | 80.000 | 95.585 | -19.5 | 101   | -0.03    |
| 24   | Nitrobenzene                 | 40.000 | 47.495 | -18.7 | 101   | -0.03    |
| 25   | Isophorone                   | 40.000 | 44.771 | -11.9 | 95    | -0.04    |
| 26 C | 2-Nitrophenol                | 40.000 | 40.220 | -0.5  | 94    | -0.04    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.959 | -2.4  | 85    | -0.03    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 42.188 | -5.5  | 90    | -0.04    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.985 | -2.5  | 84    | -0.04    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.160 | -0.4  | 86    | -0.04    |
| 31   | Naphthalene                  | 40.000 | 40.389 | -1.0  | 88    | -0.04    |
| 32   | Benzoic acid                 | 40.000 | 35.663 | 10.8  | 78    | -0.04    |
| 33   | 4-Chloroaniline              | 40.000 | 39.440 | 1.4   | 84    | -0.04    |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.079 | -2.7  | 88    | -0.04    |
| 35   | Caprolactam                  | 40.000 | 49.267 | -23.2 | 99    | -0.06    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.241 | -5.6  | 89    | -0.03    |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.586 | 3.5   | 83    | -0.04    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 82    | -0.04    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.332 | -3.3  | 82    | -0.04    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 41.199 | -3.0  | 82    | -0.04    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 95.001 | -18.8 | 92    | -0.04    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 43.212 | -8.0  | 84    | -0.04    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 44.547 | -11.4 | 87    | -0.04    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 82.466 | -3.1  | 83    | -0.04    |

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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 | 40.954 | -2.4   | 83    | -0.04    |
| 46   | 2-Chloronaphthalene        | 40.000 | 41.939 | -4.8   | 84    | -0.04    |
| 47   | 2-Nitroaniline             | 40.000 | 50.082 | -25.2# | 110   | -0.03    |
| 48   | Acenaphthylene             | 40.000 | 42.633 | -6.6   | 85    | -0.04    |
| 49   | Dimethylphthalate          | 40.000 | 41.916 | -4.8   | 85    | -0.04    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.248 | -5.6   | 90    | -0.04    |
| 51 C | Acenaphthene               | 40.000 | 42.210 | -5.5   | 85    | -0.04    |
| 52   | 3-Nitroaniline             | 40.000 | 43.568 | -8.9   | 93    | -0.03    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 51.489 | -28.7# | 118   | -0.04    |
| 54   | Dibenzofuran               | 40.000 | 41.010 | -2.5   | 83    | -0.04    |
| 55 P | 4-Nitrophenol              | 40.000 | 45.130 | -12.8  | 98    | -0.03    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 44.250 | -10.6  | 97    | -0.04    |
| 57   | Fluorene                   | 40.000 | 42.106 | -5.3   | 86    | -0.04    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.446 | -8.6   | 84    | -0.04    |
| 59   | Diethylphthalate           | 40.000 | 43.998 | -10.0  | 90    | -0.04    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.765 | -4.4   | 85    | -0.04    |
| 61   | 4-Nitroaniline             | 40.000 | 48.472 | -21.2  | 106   | -0.03    |
| 62   | Azobenzene                 | 40.000 | 48.165 | -20.4  | 97    | -0.04    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 91    | -0.04    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 45.308 | -13.3  | 110   | -0.04    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.149 | -0.4   | 87    | -0.04    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.643 | 0.9    | 86    | -0.04    |
| 67   | Hexachlorobenzene          | 40.000 | 40.552 | -1.4   | 90    | -0.04    |
| 68   | Atrazine                   | 40.000 | 37.699 | 5.8    | 83    | -0.05    |
| 69 C | Pentachlorophenol          | 40.000 | 42.399 | -6.0   | 96    | -0.04    |
| 70   | Phenanthrene               | 40.000 | 40.486 | -1.2   | 92    | -0.04    |
| 71   | Anthracene                 | 40.000 | 41.420 | -3.6   | 93    | -0.04    |
| 72   | Carbazole                  | 40.000 | 43.652 | -9.1   | 99    | -0.04    |
| 73   | Di-n-butylphthalate        | 40.000 | 49.670 | -24.2  | 111   | -0.04    |
| 74 C | Fluoranthene               | 40.000 | 46.267 | -15.7  | 106   | -0.04    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 104   | -0.06    |
| 76   | Benzidine                  | 40.000 | 3.488  | 91.3#  | 9     | -0.03    |
| 77   | Pyrene                     | 40.000 | 38.397 | 4.0    | 106   | -0.04    |
| 78 S | Terphenyl-d14              | 80.000 | 83.953 | -4.9   | 112   | -0.04    |
| 79   | Butylbenzylphthalate       | 40.000 | 43.187 | -8.0   | 110   | -0.06    |
| 80   | Benzo(a)anthracene         | 40.000 | 41.816 | -4.5   | 108   | -0.06    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 37.565 | 6.1    | 95    | -0.06    |
| 82   | Chrysene                   | 40.000 | 41.056 | -2.6   | 107   | -0.06    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.554 | -3.9   | 108   | -0.07    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 42.344 | -5.9   | 109   | -0.10    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 42.023 | -5.1   | 109   | -0.15    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 104   | -0.10    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 42.004 | -5.0   | 108   | -0.09    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 42.780 | -7.0 | 107   | -0.09    |
| 89 C | Benzo(a)pyrene         | 40.000 | 42.161 | -5.4 | 108   | -0.10    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 42.823 | -7.1 | 109   | -0.16    |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 42.296 | -5.7 | 108   | -0.17    |

(#) = Out of Range

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