

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061616\  
 Data File : BG022381.D  
 Acq On : 17 Jun 2016 00:59  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 17 02:26:02 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 13 17:40:23 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   | 94    | -0.04    |
| 2    | 1,4-Dioxane                  | 40.000 | 40.123 | -0.3  | 102   | -0.05    |
| 3    | Pyridine                     | 40.000 | 39.227 | 1.9   | 91    | -0.05    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 48.685 | -21.7 | 110   | -0.05    |
| 5 S  | 2-Fluorophenol               | 80.000 | 86.346 | -7.9  | 98    | -0.02    |
| 6    | Aniline                      | 40.000 | 41.921 | -4.8  | 93    | -0.03    |
| 7 S  | Phenol-d6                    | 80.000 | 82.622 | -3.3  | 92    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.066 | -2.7  | 94    | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 37.025 | 7.4   | 82    | -0.03    |
| 10 C | Phenol                       | 40.000 | 41.033 | -2.6  | 93    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.504 | -3.8  | 95    | -0.04    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.077 | -0.2  | 95    | -0.04    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.682 | -1.7  | 95    | -0.03    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.079 | -0.2  | 95    | -0.04    |
| 15   | Benzyl Alcohol               | 40.000 | 40.910 | -2.3  | 95    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 45.479 | -13.7 | 108   | -0.04    |
| 17   | 2-Methylphenol               | 40.000 | 40.215 | -0.5  | 94    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 43.588 | -9.0  | 104   | -0.04    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.425 | -1.1  | 90    | -0.04    |
| 20   | 3+4-Methylphenols            | 40.000 | 38.813 | 3.0   | 91    | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 89    | -0.03    |
| 22   | Acetophenone                 | 40.000 | 40.458 | -1.1  | 88    | -0.04    |
| 23 S | Nitrobenzene-d5              | 80.000 | 87.918 | -9.9  | 95    | -0.03    |
| 24   | Nitrobenzene                 | 40.000 | 42.724 | -6.8  | 93    | -0.04    |
| 25   | Isophorone                   | 40.000 | 37.461 | 6.3   | 84    | -0.04    |
| 26 C | 2-Nitrophenol                | 40.000 | 42.405 | -6.0  | 89    | -0.03    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.988 | 0.0   | 87    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.262 | -0.7  | 89    | -0.04    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.903 | 0.2   | 84    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.310 | 1.7   | 87    | -0.04    |
| 31   | Naphthalene                  | 40.000 | 39.526 | 1.2   | 91    | -0.04    |
| 32   | Benzoic acid                 | 40.000 | 48.760 | -21.9 | 117   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.050 | 4.9   | 83    | -0.02    |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.000 | 2.5   | 91    | -0.04    |
| 35   | Caprolactam                  | 40.000 | 31.062 | 22.3  | 69    | -0.04    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 38.176 | 4.6   | 83    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.342 | 4.1   | 85    | -0.03    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 79    | -0.03    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.323 | -3.3  | 81    | -0.03    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 18.509 | 53.7# | 31    | -0.04    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 67.450 | 15.7  | 65    | -0.03    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.520 | -3.8  | 79    | -0.02    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 38.811 | 3.0   | 76    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 83.374 | -4.2  | 82    | -0.03    |

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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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 42.240 | -5.6  | 81    | -0.03    |
| 46   | 2-Chloronaphthalene        | 40.000 | 42.706 | -6.8  | 82    | -0.04    |
| 47   | 2-Nitroaniline             | 40.000 | 42.906 | -7.3  | 82    | -0.02    |
| 48   | Acenaphthylene             | 40.000 | 40.189 | -0.5  | 80    | -0.03    |
| 49   | Dimethylphthalate          | 40.000 | 35.826 | 10.4  | 72    | -0.03    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 38.309 | 4.2   | 74    | -0.02    |
| 51 C | Acenaphthene               | 40.000 | 39.494 | 1.3   | 79    | -0.03    |
| 52   | 3-Nitroaniline             | 40.000 | 35.202 | 12.0  | 74    | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 35.470 | 11.3  | 69    | -0.02    |
| 54   | Dibenzofuran               | 40.000 | 39.113 | 2.2   | 77    | -0.03    |
| 55 P | 4-Nitrophenol              | 40.000 | 29.248 | 26.9# | 54    | 0.03     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 38.802 | 3.0   | 72    | -0.02    |
| 57   | Fluorene                   | 40.000 | 38.125 | 4.7   | 76    | -0.03    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 33.696 | 15.8  | 68    | -0.02    |
| 59   | Diethylphthalate           | 40.000 | 35.392 | 11.5  | 72    | -0.04    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 37.578 | 6.1   | 74    | -0.03    |
| 61   | 4-Nitroaniline             | 40.000 | 28.872 | 27.8# | 57    | -0.01    |
| 62   | Azobenzene                 | 40.000 | 41.755 | -4.4  | 83    | -0.03    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 72    | -0.03    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 38.504 | 3.7   | 69    | -0.02    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.890 | -4.7  | 73    | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.712 | 0.7   | 69    | -0.03    |
| 67   | Hexachlorobenzene          | 40.000 | 36.235 | 9.4   | 65    | -0.03    |
| 68   | Atrazine                   | 40.000 | 36.888 | 7.8   | 66    | -0.03    |
| 69 C | Pentachlorophenol          | 40.000 | 24.595 | 38.5# | 41    | -0.02    |
| 70   | Phenanthrene               | 40.000 | 39.799 | 0.5   | 72    | -0.03    |
| 71   | Anthracene                 | 40.000 | 40.317 | -0.8  | 71    | -0.03    |
| 72   | Carbazole                  | 40.000 | 38.856 | 2.9   | 70    | -0.02    |
| 73   | Di-n-butylphthalate        | 40.000 | 40.225 | -0.6  | 73    | -0.03    |
| 74 C | Fluoranthene               | 40.000 | 37.609 | 6.0   | 69    | -0.02    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 64    | -0.03    |
| 76   | Benzidine                  | 40.000 | 31.848 | 20.4  | 46    | -0.01    |
| 77   | Pyrene                     | 40.000 | 42.686 | -6.7  | 69    | -0.03    |
| 78 S | Terphenyl-d14              | 80.000 | 83.242 | -4.1  | 66    | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 47.318 | -18.3 | 76    | -0.03    |
| 80   | Benzo(a)anthracene         | 40.000 | 40.051 | -0.1  | 65    | -0.04    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.622 | -1.6  | 63    | -0.02    |
| 82   | Chrysene                   | 40.000 | 40.440 | -1.1  | 67    | -0.03    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 46.042 | -15.1 | 74    | -0.03    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 46.815 | -17.0 | 75    | -0.04    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.618 | 6.0   | 60    | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 62    | -0.04    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.883 | -2.2  | 63    | -0.04    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 39.692 | 0.8  | 61    | -0.04    |
| 89 C | Benzo(a)pyrene         | 40.000 | 42.045 | -5.1 | 64    | -0.04    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 39.822 | 0.4  | 60    | -0.04    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 38.899 | 2.8  | 60    | 0.02     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1