

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\  
 Data File : BG020936.D  
 Acq On : 18 Feb 2016 15:15  
 Operator : SJ/UM  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 18 23:45:15 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 11 15:26:53 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   | 97    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 40.036 | -0.1  | 100   | -0.02    |
| 3    | Pyridine                     | 40.000 | 41.548 | -3.9  | 97    | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.429 | -1.1  | 96    | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 80.527 | -0.7  | 97    | -0.01    |
| 6    | Aniline                      | 40.000 | 41.518 | -3.8  | 100   | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 84.217 | -5.3  | 101   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.771 | -4.4  | 101   | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 39.293 | 1.8   | 95    | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.215 | -3.0  | 100   | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.935 | -2.3  | 97    | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.859 | -2.1  | 100   | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.234 | -3.1  | 99    | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.189 | -3.0  | 99    | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 41.687 | -4.2  | 100   | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.129 | 2.2   | 95    | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 41.963 | -4.9  | 102   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 41.923 | -4.8  | 101   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 42.643 | -6.6  | 104   | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 41.975 | -4.9  | 102   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 102   | -0.01    |
| 22   | Acetophenone                 | 40.000 | 41.093 | -2.7  | 103   | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.072 | -1.3  | 101   | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 39.738 | 0.7   | 101   | 0.00     |
| 25   | Isophorone                   | 40.000 | 41.949 | -4.9  | 105   | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 44.575 | -11.4 | 107   | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.062 | -0.2  | 98    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.986 | -2.5  | 103   | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.312 | -5.8  | 107   | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.626 | -1.6  | 102   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.304 | -0.8  | 102   | -0.01    |
| 32   | Benzoic acid                 | 40.000 | 40.829 | -2.1  | 105   | -0.01    |
| 33   | 4-Chloroaniline              | 40.000 | 42.602 | -6.5  | 108   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.049 | -2.6  | 104   | -0.01    |
| 35   | Caprolactam                  | 40.000 | 45.723 | -14.3 | 116   | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.988 | -7.5  | 109   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 41.512 | -3.8  | 106   | -0.01    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 110   | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.105 | 2.2   | 107   | -0.01    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 43.104 | -7.8  | 114   | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 90.642 | -13.3 | 124   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.359 | -3.4  | 110   | -0.01    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.683 | -4.2  | 113   | -0.01    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 80.053 | -0.1  | 109   | -0.01    |

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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 | 39.783 | 0.5   | 109   | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.215 | -0.5  | 110   | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 41.772 | -4.4  | 113   | -0.01    |
| 48   | Acenaphthylene             | 40.000 | 40.967 | -2.4  | 112   | -0.01    |
| 49   | Dimethylphthalate          | 40.000 | 42.560 | -6.4  | 116   | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 43.525 | -8.8  | 118   | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 41.563 | -3.9  | 114   | -0.01    |
| 52   | 3-Nitroaniline             | 40.000 | 43.442 | -8.6  | 118   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 46.084 | -15.2 | 141   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 41.546 | -3.9  | 115   | -0.01    |
| 55 P | 4-Nitrophenol              | 40.000 | 45.577 | -13.9 | 121   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 46.024 | -15.1 | 123   | -0.01    |
| 57   | Fluorene                   | 40.000 | 42.027 | -5.1  | 116   | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.851 | -9.6  | 120   | -0.01    |
| 59   | Diethylphthalate           | 40.000 | 42.856 | -7.1  | 118   | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.585 | -4.0  | 117   | -0.01    |
| 61   | 4-Nitroaniline             | 40.000 | 43.965 | -9.9  | 119   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 40.831 | -2.1  | 112   | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 121   | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 43.277 | -8.2  | 136   | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.203 | -0.5  | 119   | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.055 | -0.1  | 119   | -0.02    |
| 67   | Hexachlorobenzene          | 40.000 | 40.766 | -1.9  | 122   | -0.01    |
| 68   | Atrazine                   | 40.000 | 39.758 | 0.6   | 120   | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 39.826 | 0.4   | 119   | -0.01    |
| 70   | Phenanthrene               | 40.000 | 40.586 | -1.5  | 122   | -0.02    |
| 71   | Anthracene                 | 40.000 | 40.373 | -0.9  | 121   | -0.01    |
| 72   | Carbazole                  | 40.000 | 39.510 | 1.2   | 118   | -0.01    |
| 73   | Di-n-butylphthalate        | 40.000 | 39.549 | 1.1   | 118   | -0.01    |
| 74 C | Fluoranthene               | 40.000 | 39.294 | 1.8   | 118   | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 118   | -0.02    |
| 76   | Benzidine                  | 40.000 | 36.724 | 8.2   | 105   | -0.01    |
| 77   | Pyrene                     | 40.000 | 40.227 | -0.6  | 119   | -0.01    |
| 78 S | Terphenyl-d14              | 80.000 | 80.333 | -0.4  | 118   | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 40.297 | -0.7  | 117   | -0.02    |
| 80   | Benzo(a)anthracene         | 40.000 | 40.560 | -1.4  | 120   | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.040 | -2.6  | 120   | -0.02    |
| 82   | Chrysene                   | 40.000 | 40.275 | -0.7  | 119   | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.294 | -0.7  | 118   | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 40.550 | -1.4  | 118   | -0.03    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.830 | -4.6  | 122   | -0.05    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 119   | -0.03    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.645 | -1.6  | 120   | -0.03    |

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|      | Compound               | Amount | Calc.  | %Dev | Area | % Dev(min) |
|------|------------------------|--------|--------|------|------|------------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.809 | -2.0 | 122  | -0.03      |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.705 | -1.8 | 121  | -0.03      |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.851 | -2.1 | 122  | -0.05      |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 40.768 | -1.9 | 121  | -0.07      |

(#) = Out of Range

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