

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071715\  
 Data File : BG017947.D  
 Acq On : 18 Jul 2015 4:45  
 Operator : TP/UM  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 20 01:48:00 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 18 01:50:30 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   | 109   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 35.919 | 10.2  | 104   | 0.00     |
| 3    | Pyridine                     | 40.000 | 37.090 | 7.3   | 101   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 35.249 | 11.9  | 100   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 76.102 | 4.9   | 106   | 0.00     |
| 6    | Aniline                      | 40.000 | 36.902 | 7.7   | 104   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 75.788 | 5.3   | 107   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 38.227 | 4.4   | 109   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 37.411 | 6.5   | 106   | 0.00     |
| 10 C | Phenol                       | 40.000 | 37.276 | 6.8   | 106   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.889 | 7.8   | 105   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.246 | 6.9   | 106   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 37.166 | 7.1   | 106   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 37.291 | 6.8   | 108   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 37.973 | 5.1   | 108   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 35.185 | 12.0  | 103   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 37.188 | 7.0   | 106   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 37.151 | 7.1   | 106   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.288 | 6.8   | 106   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 38.114 | 4.7   | 107   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 107   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 37.860 | 5.4   | 106   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 78.042 | 2.4   | 107   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 38.914 | 2.7   | 105   | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.258 | 4.4   | 104   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 41.865 | -4.7  | 117   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.684 | 3.3   | 108   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.262 | 4.3   | 105   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.352 | -3.4  | 110   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.644 | 3.4   | 109   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.174 | 4.6   | 106   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 48.143 | -20.4 | 154   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.655 | 3.4   | 105   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.642 | 0.9   | 109   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.286 | 1.8   | 110   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.119 | -0.3  | 109   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.279 | 4.3   | 107   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 105   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.458 | 1.4   | 107   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 40.036 | -0.1  | 111   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 82.863 | -3.6  | 115   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.293 | -3.2  | 114   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 42.548 | -6.4  | 114   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 77.027 | 3.7   | 105   | 0.00     |

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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 | 39.023 | 2.4  | 106   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.082 | 2.3  | 107   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 39.897 | 0.3  | 109   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 39.138 | 2.2  | 105   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 38.662 | 3.3  | 104   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.869 | -2.2 | 111   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 38.429 | 3.9  | 106   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 41.941 | -4.9 | 110   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 43.236 | -8.1 | 120   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.571 | 3.6  | 105   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 40.327 | -0.8 | 110   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 40.828 | -2.1 | 111   | 0.00     |
| 57   | Fluorene                   | 40.000 | 38.474 | 3.8  | 106   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.367 | -0.9 | 110   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.155 | 2.1  | 106   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 38.841 | 2.9  | 106   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 39.570 | 1.1  | 109   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 37.981 | 5.0  | 103   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 106   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 43.106 | -7.8 | 119   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.416 | 1.5  | 105   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.821 | 0.4  | 108   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 38.659 | 3.4  | 108   | 0.00     |
| 68   | Atrazine                   | 40.000 | 40.205 | -0.5 | 106   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 43.780 | -9.5 | 117   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 38.215 | 4.5  | 105   | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.012 | 2.5  | 104   | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.956 | 2.6  | 105   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 40.030 | -0.1 | 106   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 38.856 | 2.9  | 105   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 104   | 0.00     |
| 76   | Benzidine                  | 40.000 | 41.963 | -4.9 | 111   | 0.00     |
| 77   | Pyrene                     | 40.000 | 38.836 | 2.9  | 104   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 77.499 | 3.1  | 105   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 42.173 | -5.4 | 108   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.356 | 1.6  | 105   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.887 | -2.2 | 107   | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.276 | 1.8  | 106   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.723 | -4.3 | 107   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 42.908 | -7.3 | 108   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.432 | 1.4  | 106   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 107   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.819 | 0.5  | 109   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 37.580 | 6.1  | 101   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.894 | 2.8  | 105   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 39.009 | 2.5  | 108   | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 38.590 | 3.5  | 106   | 0.00     |

(#) = Out of Range

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