

Data Path : Z:\HPCHEM1\BNA G\Data\BG092317\  
 Data File : BG028891.D  
 Acq On : 23 Sep 2017 10:21  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 25 01:37:20 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 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   | 79    | -0.05    |
| 2    | 1,4-Dioxane                  | 40.000 | 39.311 | 1.7   | 79    | -0.07    |
| 3    | Pyridine                     | 40.000 | 40.697 | -1.7  | 77    | -0.07    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 39.850 | 0.4   | 76    | -0.07    |
| 5 S  | 2-Fluorophenol               | 80.000 | 82.019 | -2.5  | 77    | -0.06    |
| 6    | Aniline                      | 40.000 | 41.253 | -3.1  | 77    | -0.05    |
| 7 S  | Phenol-d6                    | 80.000 | 81.994 | -2.5  | 78    | -0.06    |
| 8    | 2-Chlorophenol               | 40.000 | 39.596 | 1.0   | 75    | -0.06    |
| 9    | Benzaldehyde                 | 40.000 | 36.957 | 7.6   | 71    | -0.05    |
| 10 C | Phenol                       | 40.000 | 41.750 | -4.4  | 79    | -0.05    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.244 | -0.6  | 79    | -0.05    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 42.374 | -5.9  | 82    | -0.05    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 42.044 | -5.1  | 79    | -0.05    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.003 | -2.5  | 80    | -0.05    |
| 15   | Benzyl Alcohol               | 40.000 | 37.669 | 5.8   | 71    | -0.05    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.754 | 3.1   | 75    | -0.06    |
| 17   | 2-Methylphenol               | 40.000 | 42.124 | -5.3  | 81    | -0.06    |
| 18   | Hexachloroethane             | 40.000 | 40.296 | -0.7  | 76    | -0.05    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.169 | -0.4  | 76    | -0.06    |
| 20   | 3+4-Methylphenols            | 40.000 | 42.300 | -5.7  | 80    | -0.06    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 77    | -0.05    |
| 22   | Acetophenone                 | 40.000 | 40.906 | -2.3  | 80    | -0.05    |
| 23 S | Nitrobenzene-d5              | 80.000 | 79.501 | 0.6   | 78    | -0.06    |
| 24   | Nitrobenzene                 | 40.000 | 40.779 | -1.9  | 81    | -0.06    |
| 25   | Isophorone                   | 40.000 | 40.014 | -0.0  | 79    | -0.05    |
| 26 C | 2-Nitrophenol                | 40.000 | 39.558 | 1.1   | 77    | -0.06    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.075 | 2.3   | 76    | -0.05    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.344 | -0.9  | 78    | -0.05    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.107 | -2.8  | 80    | -0.05    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.326 | -0.8  | 80    | -0.05    |
| 31   | Naphthalene                  | 40.000 | 40.377 | -0.9  | 79    | -0.06    |
| 32   | Benzoic acid                 | 40.000 | 38.578 | 3.6   | 77    | -0.06    |
| 33   | 4-Chloroaniline              | 40.000 | 42.242 | -5.6  | 83    | -0.05    |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.232 | 1.9   | 79    | -0.05    |
| 35   | Caprolactam                  | 40.000 | 49.580 | -23.9 | 96    | -0.06    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 43.041 | -7.6  | 86    | -0.05    |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.220 | -5.5  | 83    | -0.05    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 89    | -0.05    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.417 | 4.0   | 83    | -0.05    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 49.626 | -24.1 | 116   | -0.04    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 95.300 | -19.1 | 106   | -0.05    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 39.580 | 1.1   | 87    | -0.05    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.350 | -0.9  | 89    | -0.05    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 78.004 | 2.5   | 84    | -0.05    |

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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 | 39.319 | 1.7    | 85    | -0.05    |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.806 | 3.0    | 84    | -0.05    |
| 47   | 2-Nitroaniline             | 40.000 | 43.037 | -7.6   | 92    | -0.05    |
| 48   | Acenaphthylene             | 40.000 | 41.423 | -3.6   | 91    | -0.05    |
| 49   | Dimethylphthalate          | 40.000 | 43.658 | -9.1   | 96    | -0.04    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 45.141 | -12.9  | 98    | -0.05    |
| 51 C | Acenaphthene               | 40.000 | 41.176 | -2.9   | 91    | -0.05    |
| 52   | 3-Nitroaniline             | 40.000 | 49.195 | -23.0  | 107   | -0.05    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 38.212 | 4.5    | 86    | -0.05    |
| 54   | Dibenzofuran               | 40.000 | 41.882 | -4.7   | 92    | -0.05    |
| 55 P | 4-Nitrophenol              | 40.000 | 44.606 | -11.5  | 92    | -0.05    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 46.766 | -16.9  | 99    | -0.05    |
| 57   | Fluorene                   | 40.000 | 44.186 | -10.5  | 96    | -0.05    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 46.492 | -16.2  | 102   | -0.05    |
| 59   | Diethylphthalate           | 40.000 | 45.130 | -12.8  | 102   | -0.05    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 43.627 | -9.1   | 98    | -0.05    |
| 61   | 4-Nitroaniline             | 40.000 | 50.258 | -25.6# | 105   | -0.05    |
| 62   | Azobenzene                 | 40.000 | 43.670 | -9.2   | 97    | -0.05    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 105   | -0.05    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.357 | 1.6    | 100   | -0.05    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.020 | 2.4    | 103   | -0.05    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.512 | 1.2    | 104   | -0.05    |
| 67   | Hexachlorobenzene          | 40.000 | 38.732 | 3.2    | 103   | -0.05    |
| 68   | Atrazine                   | 40.000 | 39.658 | 0.9    | 102   | -0.05    |
| 69 C | Pentachlorophenol          | 40.000 | 39.696 | 0.8    | 101   | -0.05    |
| 70   | Phenanthrene               | 40.000 | 40.392 | -1.0   | 107   | -0.05    |
| 71   | Anthracene                 | 40.000 | 40.245 | -0.6   | 105   | -0.05    |
| 72   | Carbazole                  | 40.000 | 42.145 | -5.4   | 107   | -0.05    |
| 73   | Di-n-butylphthalate        | 40.000 | 41.209 | -3.0   | 107   | -0.05    |
| 74 C | Fluoranthene               | 40.000 | 42.327 | -5.8   | 108   | -0.05    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 103   | -0.07    |
| 76   | Benzidine                  | 40.000 | 49.255 | -23.1  | 121   | -0.05    |
| 77   | Pyrene                     | 40.000 | 41.372 | -3.4   | 109   | -0.05    |
| 78 S | Terphenyl-d14              | 80.000 | 82.868 | -3.6   | 107   | -0.05    |
| 79   | Butylbenzylphthalate       | 40.000 | 40.581 | -1.5   | 106   | -0.05    |
| 80   | Benzo(a)anthracene         | 40.000 | 40.712 | -1.8   | 105   | -0.06    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.751 | -1.9   | 103   | -0.06    |
| 82   | Chrysene                   | 40.000 | 41.531 | -3.8   | 107   | -0.06    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.621 | -1.6   | 104   | -0.06    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 40.966 | -2.4   | 104   | -0.08    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.572 | -3.9   | 108   | -0.18    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 105   | -0.12    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.698 | -1.7   | 107   | -0.10    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.020 | -0.1 | 105   | -0.09    |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.773 | -1.9 | 107   | -0.11    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.915 | -2.3 | 107   | -0.19    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 41.002 | -2.5 | 108   | -0.19    |

(#) = Out of Range

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