

Data Path : Z:\HPCHEM1\BNA G\Data\BG042415\  
 Data File : BG016702.D  
 Acq On : 25 Apr 2015 3:31  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 25 04:36:01 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 24 22:57:52 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   | 91    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 40.847 | -2.1  | 87    | 0.00     |
| 3    | Pyridine                     | 40.000 | 41.284 | -3.2  | 87    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.196 | -0.5  | 88    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 85.280 | -6.6  | 91    | 0.00     |
| 6    | Aniline                      | 40.000 | 41.256 | -3.1  | 87    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 86.079 | -7.6  | 90    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.950 | -4.9  | 90    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 37.692 | 5.8   | 91    | 0.00     |
| 10 C | Phenol                       | 40.000 | 42.471 | -6.2  | 91    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.335 | 1.7   | 86    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.213 | -3.0  | 89    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.073 | -2.7  | 89    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.253 | -3.1  | 90    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.821 | -2.1  | 83    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.200 | -0.5  | 87    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 43.222 | -8.1  | 90    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 41.862 | -4.7  | 92    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.198 | -3.0  | 85    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 42.669 | -6.7  | 90    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 87    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 41.669 | -4.2  | 86    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 84.475 | -5.6  | 86    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.558 | -3.9  | 86    | 0.00     |
| 25   | Isophorone                   | 40.000 | 41.846 | -4.6  | 84    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.650 | -6.6  | 86    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 43.788 | -9.5  | 90    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.180 | -2.9  | 85    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 45.203 | -13.0 | 91    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.955 | -4.9  | 88    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 41.759 | -4.4  | 88    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 36.988 | 7.5   | 78    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 42.797 | -7.0  | 87    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 42.465 | -6.2  | 90    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 43.675 | -9.2  | 83    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 44.210 | -10.5 | 88    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 41.427 | -3.6  | 86    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 85    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 43.285 | -8.2  | 88    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 36.295 | 9.3   | 76    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 91.727 | -14.7 | 89    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 45.221 | -13.1 | 86    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 45.409 | -13.5 | 89    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 85.470 | -6.8  | 87    | 0.00     |

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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 | 42.720 | -6.8  | 86    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 42.375 | -5.9  | 86    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 44.449 | -11.1 | 85    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 43.175 | -7.9  | 86    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 41.882 | -4.7  | 84    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.504 | -6.3  | 83    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 42.287 | -5.7  | 86    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 43.916 | -9.8  | 83    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 35.733 | 10.7  | 71    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 42.372 | -5.9  | 86    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 42.276 | -5.7  | 82    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 43.976 | -9.9  | 83    | 0.00     |
| 57   | Fluorene                   | 40.000 | 43.113 | -7.8  | 87    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.577 | -8.9  | 85    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 42.610 | -6.5  | 84    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.945 | -4.9  | 85    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 44.659 | -11.6 | 83    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 42.547 | -6.4  | 85    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 84    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.116 | -5.3  | 82    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 42.883 | -7.2  | 86    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.013 | -5.0  | 84    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 42.625 | -6.6  | 87    | 0.00     |
| 68   | Atrazine                   | 40.000 | 43.222 | -8.1  | 86    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 37.365 | 6.6   | 72    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 41.824 | -4.6  | 85    | 0.00     |
| 71   | Anthracene                 | 40.000 | 42.818 | -7.0  | 86    | 0.00     |
| 72   | Carbazole                  | 40.000 | 42.867 | -7.2  | 85    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 43.597 | -9.0  | 85    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 43.205 | -8.0  | 87    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 93    | 0.00     |
| 76   | Benzidine                  | 40.000 | 14.821 | 62.9# | 34    | 0.00     |
| 77   | Pyrene                     | 40.000 | 39.264 | 1.8   | 88    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 79.525 | 0.6   | 89    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 43.429 | -8.6  | 93    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 41.842 | -4.6  | 93    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 43.784 | -9.5  | 96    | 0.00     |
| 82   | Chrysene                   | 40.000 | 41.512 | -3.8  | 93    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 45.213 | -13.0 | 96    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 45.262 | -13.2 | 95    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 42.993 | -7.5  | 96    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 96    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 41.661 | -4.2  | 95    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 41.203 | -3.0 | 93    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.438 | -3.6 | 94    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 41.483 | -3.7 | 94    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 41.811 | -4.5 | 95    | 0.00     |

(#) = Out of Range

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