

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091415\  
 Data File : BG018661.D  
 Acq On : 14 Sep 2015 14:32  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 15 01:19:34 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 11 10:44:16 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  | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 40.098 | -0.2 | 127   | 0.00     |
| 3    | Pyridine                    | 40.000 | 38.786 | 3.0  | 116   | -0.01    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 38.732 | 3.2  | 114   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 81.207 | -1.5 | 121   | 0.00     |
| 6    | Aniline                     | 40.000 | 39.886 | 0.3  | 117   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 81.391 | -1.7 | 119   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.761 | -1.9 | 122   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 39.813 | 0.5  | 113   | 0.00     |
| 10 C | Phenol                      | 40.000 | 40.259 | -0.6 | 119   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.583 | 1.0  | 119   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.569 | 1.1  | 120   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.134 | -0.3 | 119   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 40.840 | -2.1 | 121   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 40.404 | -1.0 | 117   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.832 | 5.4  | 115   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 40.387 | -1.0 | 120   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.082 | 2.3  | 117   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 39.249 | 1.9  | 118   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 40.332 | -0.8 | 121   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 112   | 0.00     |
| 22   | Acetophenone                | 40.000 | 38.881 | 2.8  | 117   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 77.803 | 2.7  | 118   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 39.233 | 1.9  | 118   | 0.00     |
| 25   | Isophorone                  | 40.000 | 37.671 | 5.8  | 115   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 40.909 | -2.3 | 117   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 38.964 | 2.6  | 118   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 38.805 | 3.0  | 117   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.743 | -1.9 | 120   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.052 | -0.1 | 121   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.548 | 1.1  | 120   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 38.307 | 4.2  | 119   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.613 | 1.0  | 121   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 40.083 | -0.2 | 125   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 38.964 | 2.6  | 113   | 0.04     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.831 | 0.4  | 121   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.437 | 1.4  | 120   | 0.00     |
| 38 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 110   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.450 | -1.1 | 122   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 40.000 | 42.384 | -6.0 | 122   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 80.000 | 83.534 | -4.4 | 125   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 40.000 | 42.595 | -6.5 | 123   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 40.000 | 39.769 | 0.6  | 119   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 80.000 | 77.848 | 2.7  | 117   | 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 | 40.089 | -0.2 | 121   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.220 | -0.5 | 122   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 39.591 | 1.0  | 114   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 39.903 | 0.2  | 119   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.399 | 1.5  | 120   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.185 | -3.0 | 120   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 41.755 | -4.4 | 126   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 41.304 | -3.3 | 120   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 38.666 | 3.3  | 115   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 39.644 | 0.9  | 120   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 41.375 | -3.4 | 116   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 42.594 | -6.5 | 121   | 0.00     |
| 57   | Fluorene                   | 40.000 | 39.002 | 2.5  | 118   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.034 | -0.1 | 123   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 38.837 | 2.9  | 117   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.272 | -0.7 | 121   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 40.646 | -1.6 | 118   | 0.01     |
| 62   | Azobenzene                 | 40.000 | 38.827 | 2.9  | 115   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 115   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.357 | 1.6  | 123   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 38.363 | 4.1  | 118   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.028 | -0.1 | 122   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 41.020 | -2.6 | 125   | 0.00     |
| 68   | Atrazine                   | 40.000 | 38.063 | 4.8  | 114   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 42.712 | -6.8 | 122   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 38.522 | 3.7  | 117   | 0.00     |
| 71   | Anthracene                 | 40.000 | 38.573 | 3.6  | 118   | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.787 | 3.0  | 116   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 39.498 | 1.3  | 116   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 38.746 | 3.1  | 117   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 112   | 0.00     |
| 76   | Benzidine                  | 40.000 | 40.892 | -2.2 | 118   | 0.00     |
| 77   | Pyrene                     | 40.000 | 39.445 | 1.4  | 117   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 77.161 | 3.5  | 115   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 40.950 | -2.4 | 118   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.582 | 1.0  | 117   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.598 | -4.0 | 121   | 0.00     |
| 82   | Chrysene                   | 40.000 | 38.939 | 2.7  | 116   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.792 | -2.0 | 118   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.244 | -3.1 | 120   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.844 | -2.1 | 120   | 0.01     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 114   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.795 | 0.5  | 120   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 38.888 | 2.8  | 121   | 0.01     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.010 | -0.0 | 121   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.497 | -1.2 | 122   | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 39.737 | 0.7  | 121   | 0.01     |

(#) = Out of Range

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