

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG101118\  
 Data File : BG037274.D  
 Acq On : 12 Oct 2018 1:51  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 12 06:52:51 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 11 13:59:58 2018  
 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   | 113   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.141 | 9.6   | 106   | 0.00     |
| 3    | Pyridine                     | 40.000 | 40.040 | -0.1  | 108   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 37.989 | 5.0   | 107   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 79.655 | 0.4   | 110   | 0.00     |
| 6    | Aniline                      | 40.000 | 38.845 | 2.9   | 108   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 80.584 | -0.7  | 110   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.983 | 0.0   | 108   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 38.551 | 3.6   | 107   | 0.00     |
| 10 C | Phenol                       | 40.000 | 40.009 | -0.0  | 109   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.366 | 1.6   | 111   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.326 | 4.2   | 109   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.473 | 3.8   | 109   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 37.839 | 5.4   | 108   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 39.912 | 0.2   | 108   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 37.801 | 5.5   | 106   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.249 | -0.6  | 109   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.630 | 3.4   | 107   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.395 | 1.5   | 109   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 41.105 | -2.8  | 110   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 112   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.695 | 3.3   | 107   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 88.229 | -10.3 | 115   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 43.849 | -9.6  | 115   | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.401 | 1.5   | 107   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 41.674 | -4.2  | 117   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.007 | -0.0  | 110   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.675 | 0.8   | 108   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.746 | -6.9  | 110   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.488 | 3.8   | 108   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.438 | 1.4   | 110   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 45.884 | -14.7 | 125   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.424 | 1.4   | 106   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.126 | 4.7   | 108   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 43.141 | -7.9  | 110   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.889 | -4.7  | 109   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.673 | 0.8   | 110   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 39.361 | 1.6   | 109   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 112   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.302 | 4.2   | 109   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 39.707 | 0.7   | 110   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 81.438 | -1.8  | 107   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 43.401 | -8.5  | 115   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 42.202 | -5.5  | 112   | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|----------------------------|--------|--------|------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 75.712 | 5.4  | 108   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 38.815 | 3.0  | 109   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 38.405 | 4.0  | 109   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 41.046 | -2.6 | 118   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.251 | 4.4  | 107   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.002 | 2.5  | 107   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.064 | -2.7 | 117   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.482 | 3.8  | 108   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 41.907 | -4.8 | 113   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 30.782 | 23.0 | 88    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 37.923 | 5.2  | 107   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 40.758 | -1.9 | 109   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.663 | -1.7 | 116   | 0.00     |
| 58   | Fluorene                   | 40.000 | 37.700 | 5.7  | 107   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.712 | -4.3 | 107   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.991 | 2.5  | 106   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.347 | 4.1  | 108   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.067 | -2.7 | 111   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.627 | 5.9  | 106   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 111   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 36.365 | 9.1  | 102   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.516 | 1.2  | 107   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.916 | 2.7  | 106   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.920 | 2.7  | 107   | 0.00     |
| 69   | Atrazine                   | 40.000 | 41.154 | -2.9 | 107   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.469 | -1.2 | 107   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.239 | 4.4  | 106   | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.808 | 3.0  | 107   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.099 | 2.3  | 107   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.652 | -4.1 | 107   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.510 | 3.7  | 105   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 110   | 0.00     |
| 77   | Benzidine                  | 40.000 | 38.162 | 4.6  | 94    | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.808 | 3.0  | 106   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 76.020 | 5.0  | 104   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.346 | -3.4 | 109   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.626 | 3.4  | 105   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.349 | -0.9 | 106   | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.661 | 3.3  | 107   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.224 | -3.1 | 108   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.837 | -4.6 | 110   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.411 | -1.0 | 108   | -0.01    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 112   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 38.646 | 3.4  | 106   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 39.001 | 2.5  | 107   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 39.313 | 1.7  | 108   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 39.088 | 2.3  | 107   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 38.904 | 2.7  | 106   | -0.01    |

(#) = Out of Range

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