

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG062718\  
 Data File : BG035465.D  
 Acq On : 28 Jun 2018 4:35  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 28 05:55:31 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 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    | 174   | -0.03    |
| 2    | 1,4-Dioxane                  | 40.000 | 36.635 | 8.4    | 161   | -0.02    |
| 3    | Pyridine                     | 40.000 | 38.162 | 4.6    | 156   | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 35.140 | 12.1   | 144   | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 79.291 | 0.9    | 169   | -0.02    |
| 6    | Aniline                      | 40.000 | 38.262 | 4.3    | 164   | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 80.963 | -1.2   | 171   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.553 | 1.1    | 167   | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 33.963 | 15.1   | 140   | -0.02    |
| 10 C | Phenol                       | 40.000 | 39.445 | 1.4    | 168   | -0.02    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.065 | 7.3    | 159   | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.548 | 3.6    | 170   | -0.02    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.492 | 3.8    | 166   | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.239 | 1.9    | 168   | -0.03    |
| 15   | Benzyl Alcohol               | 40.000 | 37.072 | 7.3    | 158   | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 34.049 | 14.9   | 148   | -0.03    |
| 17   | 2-Methylphenol               | 40.000 | 40.315 | -0.8   | 168   | -0.02    |
| 18   | Hexachloroethane             | 40.000 | 38.746 | 3.1    | 163   | -0.03    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 35.885 | 10.3   | 152   | -0.03    |
| 20   | 3+4-Methylphenols            | 40.000 | 40.359 | -0.9   | 171   | -0.02    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 179   | -0.03    |
| 22   | Acetophenone                 | 40.000 | 36.242 | 9.4    | 160   | -0.03    |
| 23 S | Nitrobenzene-d5              | 80.000 | 84.099 | -5.1   | 178   | -0.03    |
| 24   | Nitrobenzene                 | 40.000 | 41.175 | -2.9   | 175   | -0.02    |
| 25   | Isophorone                   | 40.000 | 35.218 | 12.0   | 155   | -0.03    |
| 26 C | 2-Nitrophenol                | 40.000 | 48.499 | -21.2# | 214   | -0.03    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 36.760 | 8.1    | 164   | -0.02    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 37.480 | 6.3    | 165   | -0.03    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.804 | -4.5   | 181   | -0.02    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.097 | -0.2   | 172   | -0.03    |
| 31   | Naphthalene                  | 40.000 | 38.349 | 4.1    | 169   | -0.03    |
| 32   | Benzoic acid                 | 40.000 | 36.603 | 8.5    | 162   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.405 | 1.5    | 172   | -0.02    |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.228 | 1.9    | 173   | -0.03    |
| 35   | Caprolactam                  | 40.000 | 40.865 | -2.2   | 182   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.597 | -4.0   | 182   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.754 | 3.1    | 168   | -0.03    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 185   | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.470 | -3.7   | 186   | -0.02    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 33.968 | 15.1   | 149   | -0.03    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 93.109 | -16.4  | 211   | -0.02    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 44.015 | -10.0  | 195   | -0.02    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 43.254 | -8.1   | 198   | -0.02    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 75.595 | 5.5    | 173   | -0.03    |

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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 | 38.896 | 2.8    | 176   | -0.02    |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.884 | 2.8    | 180   | -0.03    |
| 47   | 2-Nitroaniline             | 40.000 | 44.944 | -12.4  | 205   | -0.02    |
| 48   | Acenaphthylene             | 40.000 | 39.114 | 2.2    | 179   | -0.02    |
| 49   | Dimethylphthalate          | 40.000 | 38.916 | 2.7    | 179   | -0.03    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 44.945 | -12.4  | 200   | -0.02    |
| 51 C | Acenaphthene               | 40.000 | 38.921 | 2.7    | 176   | -0.02    |
| 52   | 3-Nitroaniline             | 40.000 | 46.348 | -15.9  | 200   | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 27.671 | 30.8#  | 123   | -0.02    |
| 54   | Dibenzofuran               | 40.000 | 39.674 | 0.8    | 180   | -0.02    |
| 55 P | 4-Nitrophenol              | 40.000 | 37.103 | 7.2    | 159   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 50.217 | -25.5# | 223   | -0.02    |
| 57   | Fluorene                   | 40.000 | 39.427 | 1.4    | 178   | -0.02    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.848 | -7.1   | 193   | -0.02    |
| 59   | Diethylphthalate           | 40.000 | 37.762 | 5.6    | 174   | -0.03    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.189 | -3.0   | 190   | -0.03    |
| 61   | 4-Nitroaniline             | 40.000 | 43.899 | -9.7   | 191   | -0.02    |
| 62   | Azobenzene                 | 40.000 | 36.690 | 8.3    | 168   | -0.03    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 196   | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.307 | 1.7    | 190   | -0.02    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 37.591 | 6.0    | 179   | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.563 | -1.4   | 197   | -0.03    |
| 67   | Hexachlorobenzene          | 40.000 | 40.322 | -0.8   | 197   | -0.02    |
| 68   | Atrazine                   | 40.000 | 37.772 | 5.6    | 180   | -0.03    |
| 69 C | Pentachlorophenol          | 40.000 | 35.371 | 11.6   | 167   | -0.02    |
| 70   | Phenanthrene               | 40.000 | 37.580 | 6.1    | 180   | -0.03    |
| 71   | Anthracene                 | 40.000 | 37.363 | 6.6    | 178   | -0.02    |
| 72   | Carbazole                  | 40.000 | 36.353 | 9.1    | 173   | -0.02    |
| 73   | Di-n-butylphthalate        | 40.000 | 36.068 | 9.8    | 172   | -0.04    |
| 74 C | Fluoranthene               | 40.000 | 37.308 | 6.7    | 178   | -0.03    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 196   | -0.03    |
| 76   | Benzidine                  | 40.000 | 34.020 | 14.9   | 163   | -0.02    |
| 77   | Pyrene                     | 40.000 | 36.782 | 8.0    | 179   | -0.02    |
| 78 S | Terphenyl-d14              | 80.000 | 73.444 | 8.2    | 177   | -0.03    |
| 79   | Butylbenzylphthalate       | 40.000 | 37.281 | 6.8    | 174   | -0.03    |
| 80   | Benzo(a)anthracene         | 40.000 | 38.033 | 4.9    | 186   | -0.03    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 37.174 | 7.1    | 176   | -0.03    |
| 82   | Chrysene                   | 40.000 | 38.060 | 4.8    | 185   | -0.03    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 36.026 | 9.9    | 172   | -0.05    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 35.484 | 11.3   | 168   | -0.07    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.205 | 4.5    | 184   | -0.09    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 196   | -0.05    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 37.645 | 5.9    | 179   | -0.04    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 37.407 | 6.5  | 186   | -0.04    |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.096 | 4.8  | 184   | -0.06    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 37.678 | 5.8  | 184   | -0.09    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 36.993 | 7.5  | 180   | -0.09    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1