

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM082118\  
 Data File : BM016507.D  
 Acq On : 22 Aug 2018 05:19  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 22 06:00:27 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 21 16:31:22 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    | 128   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 35.913 | 10.2   | 117   | 0.00     |
| 3    | Pyridine                     | 40.000 | 36.155 | 9.6    | 116   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 37.118 | 7.2    | 120   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 69.801 | 12.7   | 108   | 0.00     |
| 6    | Aniline                      | 40.000 | 35.966 | 10.1   | 113   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 73.478 | 8.2    | 116   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 37.322 | 6.7    | 118   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 37.869 | 5.3    | 117   | 0.00     |
| 10 C | Phenol                       | 40.000 | 35.065 | 12.3   | 111   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 35.012 | 12.5   | 111   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.048 | 4.9    | 122   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 37.602 | 6.0    | 123   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.152 | 2.1    | 127   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 35.897 | 10.3   | 119   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 33.275 | 16.8   | 110   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 36.214 | 9.5    | 117   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.271 | 4.3    | 121   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 36.735 | 8.2    | 119   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 36.586 | 8.5    | 119   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 120   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.202 | -0.5   | 123   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.306 | -4.1   | 122   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.679 | 0.8    | 117   | 0.00     |
| 25   | Isophorone                   | 40.000 | 42.180 | -5.4   | 121   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 41.820 | -4.6   | 125   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.811 | 0.5    | 126   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.306 | -0.8   | 117   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 51.143 | -27.9# | 147   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 54.109 | -35.3# | 162   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.906 | -2.3   | 122   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 35.433 | 11.4   | 103   | 0.02     |
| 33   | 4-Chloroaniline              | 40.000 | 41.899 | -4.7   | 124   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 54.089 | -35.2# | 166   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.941 | -2.4   | 120   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.785 | -4.5   | 125   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 44.947 | -12.4  | 134   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 151   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 44.473 | -11.2  | 170   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 46.316 | -15.8  | 192   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 95.984 | -20.0  | 190   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 47.258 | -18.1  | 176   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 46.334 | -15.8  | 169   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 88.210 | -10.3  | 169   | 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 | 38.282 | 4.3   | 146   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.886 | -2.2  | 156   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 34.083 | 14.8  | 131   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 39.259 | 1.9   | 147   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 41.897 | -4.7  | 158   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 43.982 | -10.0 | 162   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 39.292 | 1.8   | 149   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 34.021 | 14.9  | 128   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 44.538 | -11.3 | 168   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 45.076 | -12.7 | 172   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 36.861 | 7.8   | 135   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 43.956 | -9.9  | 172   | 0.00     |
| 57   | Fluorene                   | 40.000 | 44.852 | -12.1 | 170   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 48.097 | -20.2 | 185   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.700 | 0.7   | 151   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 46.700 | -16.8 | 178   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 37.145 | 7.1   | 141   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 36.829 | 7.9   | 138   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 177   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.403 | 1.5   | 175   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.034 | 2.4   | 172   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.605 | -4.0  | 180   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 42.309 | -5.8  | 185   | 0.00     |
| 68   | Atrazine                   | 40.000 | 44.585 | -11.5 | 189   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 42.848 | -7.1  | 192   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 41.025 | -2.6  | 181   | 0.00     |
| 71   | Anthracene                 | 40.000 | 41.472 | -3.7  | 180   | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.515 | 1.2   | 170   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 38.203 | 4.5   | 162   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 43.956 | -9.9  | 192   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 192   | 0.00     |
| 76   | Benzidine                  | 40.000 | 39.623 | 0.9   | 195   | 0.00     |
| 77   | Pyrene                     | 40.000 | 40.474 | -1.2  | 190   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 74.386 | 7.0   | 162   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 37.328 | 6.7   | 168   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.141 | -0.4  | 191   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.895 | 0.3   | 188   | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.455 | 1.4   | 187   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.657 | 3.4   | 178   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 38.210 | 4.5   | 177   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 33.866 | 15.3  | 161   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 175   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 43.446 | -8.6  | 188   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 41.401 | -3.5 | 178   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.011 | -2.5 | 177   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 37.584 | 6.0  | 162   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 35.488 | 11.3 | 154   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 2