

Data Path : Z:\HPCHEM1\BNA M\Data\BM071717\  
 Data File : BM010839.D  
 Acq On : 17 Jul 2017 15:00  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 18 05:32:10 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 12 14:21:16 2017  
 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   | 115   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 35.926 | 10.2  | 103   | 0.00     |
| 3    | Pyridine                     | 40.000 | 39.023 | 2.4   | 109   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 37.455 | 6.4   | 108   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 76.677 | 4.2   | 110   | 0.00     |
| 6    | Aniline                      | 40.000 | 40.058 | -0.1  | 115   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 80.243 | -0.3  | 116   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.743 | -1.9  | 116   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 39.487 | 1.3   | 113   | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.693 | -4.2  | 120   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.182 | -0.5  | 117   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.491 | 6.3   | 110   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 37.670 | 5.8   | 111   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.736 | 3.2   | 114   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.996 | -2.5  | 119   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 41.357 | -3.4  | 119   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 42.888 | -7.2  | 122   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 37.848 | 5.4   | 111   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 42.976 | -7.4  | 126   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 43.356 | -8.4  | 124   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 122   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.902 | 2.7   | 122   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 78.761 | 1.5   | 122   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.056 | 2.4   | 122   | 0.00     |
| 25   | Isophorone                   | 40.000 | 42.164 | -5.4  | 130   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 39.933 | 0.2   | 125   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.167 | 2.1   | 120   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.934 | 0.2   | 122   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 38.963 | 2.6   | 121   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.686 | 5.8   | 117   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.963 | 2.6   | 120   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 44.691 | -11.7 | 132   | 0.02     |
| 33   | 4-Chloroaniline              | 40.000 | 41.698 | -4.2  | 126   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 36.966 | 7.6   | 114   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 46.527 | -16.3 | 138   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 43.202 | -8.0  | 131   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.760 | -1.9  | 127   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 136   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 36.970 | 7.6   | 127   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 35.734 | 10.7  | 117   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 87.106 | -8.9  | 148   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 38.074 | 4.8   | 132   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 39.588 | 1.0   | 131   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 75.504 | 5.6   | 131   | 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 | 38.246 | 4.4   | 131   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.208 | 4.5   | 132   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 43.635 | -9.1  | 144   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 40.172 | -0.4  | 136   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 40.831 | -2.1  | 142   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 44.357 | -10.9 | 150   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 40.109 | -0.3  | 139   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 43.679 | -9.2  | 147   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 44.672 | -11.7 | 150   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 39.895 | 0.3   | 137   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 45.770 | -14.4 | 153   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 45.563 | -13.9 | 150   | 0.00     |
| 57   | Fluorene                   | 40.000 | 41.228 | -3.1  | 142   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.061 | -5.2  | 141   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 43.440 | -8.6  | 148   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.540 | 1.2   | 139   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 46.410 | -16.0 | 152   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 42.833 | -7.1  | 145   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 153   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 41.446 | -3.6  | 157   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 38.400 | 4.0   | 147   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 38.254 | 4.4   | 144   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 37.952 | 5.1   | 147   | 0.00     |
| 68   | Atrazine                   | 40.000 | 40.857 | -2.1  | 153   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 40.767 | -1.9  | 151   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 39.832 | 0.4   | 153   | 0.00     |
| 71   | Anthracene                 | 40.000 | 40.289 | -0.7  | 153   | 0.00     |
| 72   | Carbazole                  | 40.000 | 42.139 | -5.3  | 160   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 43.800 | -9.5  | 162   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 42.561 | -6.4  | 162   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 165   | 0.00     |
| 76   | Benzidine                  | 40.000 | 39.093 | 2.3   | 149   | 0.00     |
| 77   | Pyrene                     | 40.000 | 38.520 | 3.7   | 158   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 76.632 | 4.2   | 160   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 44.578 | -11.4 | 178   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.610 | 1.0   | 164   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.709 | -4.3  | 167   | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.523 | 1.2   | 163   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 44.325 | -10.8 | 172   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 45.362 | -13.4 | 179   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 35.179 | 12.1  | 146   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 160   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 41.252 | -3.1  | 164   | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.969 | -2.4 | 165   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.805 | -2.0 | 163   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 36.129 | 9.7  | 144   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 35.807 | 10.5 | 143   | 0.00     |

(#) = Out of Range

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