

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\  
 Data File : BF093198.D  
 Acq On : 27 Feb 2017 10:11  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 27 10:56:49 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 17:31:55 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   | 134   | -0.02    |
| 2    | 1,4-Dioxane                  | 40.000 | 40.239 | -0.6  | 138   | -0.06    |
| 3    | Pyridine                     | 40.000 | 44.101 | -10.3 | 145   | -0.07    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 44.377 | -10.9 | 148   | -0.05    |
| 5 S  | 2-Fluorophenol               | 80.000 | 79.235 | 1.0   | 127   | -0.02    |
| 6    | Aniline                      | 40.000 | 38.613 | 3.5   | 133   | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 77.925 | 2.6   | 130   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.316 | -3.3  | 137   | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 34.103 | 14.7  | 111   | -0.02    |
| 10 C | Phenol                       | 40.000 | 40.421 | -1.1  | 142   | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.421 | -1.1  | 142   | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 42.053 | -5.1  | 144   | -0.02    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.600 | -4.0  | 144   | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 36.298 | 9.3   | 120   | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 37.108 | 7.2   | 128   | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 37.923 | 5.2   | 129   | -0.02    |
| 17   | 2-Methylphenol               | 40.000 | 39.838 | 0.4   | 127   | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 42.132 | -5.3  | 140   | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.586 | -4.0  | 153   | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 39.961 | 0.1   | 130   | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 138   | -0.02    |
| 22   | Acetophenone                 | 40.000 | 38.773 | 3.1   | 138   | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 80.477 | -0.6  | 137   | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 38.674 | 3.3   | 143   | -0.02    |
| 25   | Isophorone                   | 40.000 | 41.945 | -4.9  | 148   | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 41.931 | -4.8  | 133   | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 36.898 | 7.8   | 121   | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.746 | 0.6   | 138   | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.726 | -1.8  | 147   | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.449 | 6.4   | 132   | -0.02    |
| 31   | Naphthalene                  | 40.000 | 36.624 | 8.4   | 130   | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 37.225 | 6.9   | 123   | 0.02     |
| 33   | 4-Chloroaniline              | 40.000 | 37.613 | 6.0   | 127   | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 35.506 | 11.2  | 122   | -0.02    |
| 35   | Caprolactam                  | 40.000 | 39.088 | 2.3   | 126   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 38.847 | 2.9   | 132   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 34.296 | 14.3  | 118   | -0.01    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 141   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 36.701 | 8.2   | 131   | -0.01    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 34.937 | 12.7  | 122   | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 68.447 | 14.4  | 111   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 36.690 | 8.3   | 122   | -0.01    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 37.308 | 6.7   | 136   | 0.01     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 72.380 | 9.5   | 121   | -0.01    |

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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 | 34.622 | 13.4  | 118   | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.454 | 3.9   | 128   | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 44.137 | -10.3 | 166   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 36.061 | 9.8   | 137   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 37.443 | 6.4   | 131   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 37.708 | 5.7   | 130   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 34.073 | 14.8  | 127   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 38.306 | 4.2   | 126   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 42.327 | -5.8  | 152   | 0.01     |
| 54   | Dibenzofuran               | 40.000 | 32.443 | 18.9  | 123   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 33.865 | 15.3  | 121   | 0.02     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 37.176 | 7.1   | 117   | 0.01     |
| 57   | Fluorene                   | 40.000 | 37.487 | 6.3   | 136   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.107 | -2.8  | 130   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 34.350 | 14.1  | 118   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 32.254 | 19.4  | 117   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 37.738 | 5.7   | 134   | 0.01     |
| 62   | Azobenzene                 | 40.000 | 38.638 | 3.4   | 137   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 136   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 46.485 | -16.2 | 160   | 0.01     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 38.329 | 4.2   | 130   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.379 | 1.6   | 138   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 39.423 | 1.4   | 138   | 0.00     |
| 68   | Atrazine                   | 40.000 | 35.810 | 10.5  | 130   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 37.167 | 7.1   | 127   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 35.465 | 11.3  | 120   | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.701 | 0.7   | 139   | 0.00     |
| 72   | Carbazole                  | 40.000 | 41.466 | -3.7  | 134   | 0.01     |
| 73   | Di-n-butylphthalate        | 40.000 | 41.221 | -3.1  | 142   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 37.014 | 7.5   | 123   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 124   | 0.00     |
| 76   | Benzidine                  | 40.000 | 36.742 | 8.1   | 114   | 0.00     |
| 77   | Pyrene                     | 40.000 | 41.659 | -4.1  | 122   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 75.509 | 5.6   | 122   | -0.01    |
| 79   | Butylbenzylphthalate       | 40.000 | 43.505 | -8.8  | 134   | -0.01    |
| 80   | Benzo(a)anthracene         | 40.000 | 39.668 | 0.8   | 121   | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 38.389 | 4.0   | 115   | -0.01    |
| 82   | Chrysene                   | 40.000 | 42.198 | -5.5  | 121   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.699 | -9.2  | 130   | -0.01    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 40.470 | -1.2  | 119   | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.354 | 1.6   | 128   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 120   | -0.01    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 45.923 | -14.8 | 130   | -0.01    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 33.117 | 17.2 | 108   | -0.01    |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.389 | 1.5  | 118   | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 39.727 | 0.7  | 126   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 41.235 | -3.1 | 132   | -0.01    |

(#) = Out of Range

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