

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081915\  
 Data File : BF081124.D  
 Acq On : 20 Aug 2015 13:26  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 20 13:54:19 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 20 11:22:13 2015  
 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   | 0.01     |
| 2    | 1,4-Dioxane                 | 40.000 | 39.623 | 0.9   | 111   | 0.01     |
| 3    | Pyridine                    | 40.000 | 38.161 | 4.6   | 97    | 0.01     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 42.566 | -6.4  | 119   | 0.01     |
| 5 S  | 2-Fluorophenol              | 80.000 | 77.923 | 2.6   | 116   | 0.01     |
| 6    | Aniline                     | 40.000 | 38.569 | 3.6   | 113   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 78.774 | 1.5   | 107   | 0.01     |
| 8    | 2-Chlorophenol              | 40.000 | 42.204 | -5.5  | 112   | 0.01     |
| 9    | Benzaldehyde                | 40.000 | 40.629 | -1.6  | 109   | 0.00     |
| 10 C | Phenol                      | 40.000 | 35.598 | 11.0  | 92    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.722 | 0.7   | 112   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.912 | 2.7   | 111   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.079 | -0.2  | 116   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 40.892 | -2.2  | 108   | 0.01     |
| 15   | Benzyl Alcohol              | 40.000 | 37.582 | 6.0   | 116   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.423 | -1.1  | 112   | 0.01     |
| 17   | 2-Methylphenol              | 40.000 | 42.082 | -5.2  | 116   | 0.01     |
| 18   | Hexachloroethane            | 40.000 | 30.526 | 23.7  | 84    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 43.801 | -9.5  | 117   | 0.01     |
| 20   | 3+4-Methylphenols           | 40.000 | 42.438 | -6.1  | 122   | 0.01     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 116   | 0.00     |
| 22   | Acetophenone                | 40.000 | 43.224 | -8.1  | 118   | 0.01     |
| 23 S | Nitrobenzene-d5             | 80.000 | 82.604 | -3.3  | 121   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 38.933 | 2.7   | 107   | 0.00     |
| 25   | Isophorone                  | 40.000 | 41.955 | -4.9  | 120   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 28.188 | 29.5# | 85    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 43.513 | -8.8  | 114   | 0.01     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 41.546 | -3.9  | 120   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 42.152 | -5.4  | 115   | 0.01     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.817 | -2.0  | 112   | 0.01     |
| 31   | Naphthalene                 | 40.000 | 37.253 | 6.9   | 106   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 31.594 | 21.0  | 107   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 36.553 | 8.6   | 113   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 42.920 | -7.3  | 122   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 38.402 | 4.0   | 106   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 37.961 | 5.1   | 108   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.125 | 2.2   | 109   | 0.01     |
| 38 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 117   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 37.553 | 6.1   | 109   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 40.000 | 4.502  | 88.7# | 12    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 80.000 | 70.863 | 11.4  | 108   | 0.01     |
| 42 C | 2,4,6-Trichlorophenol       | 40.000 | 36.430 | 8.9   | 106   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 40.000 | 39.948 | 0.1   | 104   | 0.01     |
| 44 S | 2-Fluorobiphenyl            | 80.000 | 82.693 | -3.4  | 133   | 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 | 35.903 | 10.2   | 94    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 37.405 | 6.5    | 112   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 45.680 | -14.2  | 130   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 37.517 | 6.2    | 116   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 37.835 | 5.4    | 102   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 29.807 | 25.5#  | 80    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 34.681 | 13.3   | 103   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 44.455 | -11.1  | 133   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 0.000  | 100.0# | 0     | -9.69#   |
| 54   | Dibenzofuran               | 40.000 | 39.052 | 2.4    | 121   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 33.190 | 17.0   | 101   | 0.01     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 26.545 | 33.6#  | 75    | 0.00     |
| 57   | Fluorene                   | 40.000 | 37.016 | 7.5    | 114   | 0.01     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 34.643 | 13.4   | 92    | 0.01     |
| 59   | Diethylphthalate           | 40.000 | 36.629 | 8.4    | 103   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 38.604 | 3.5    | 110   | 0.01     |
| 61   | 4-Nitroaniline             | 40.000 | 38.020 | 4.9    | 113   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 34.407 | 14.0   | 93    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 95    | 0.01     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 0.706  | 98.2#  | 2     | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 46.839 | -17.1  | 107   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 47.825 | -19.6  | 116   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 41.525 | -3.8   | 92    | 0.00     |
| 68   | Atrazine                   | 40.000 | 31.725 | 20.7   | 75    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 37.392 | 6.5    | 87    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 41.314 | -3.3   | 100   | 0.00     |
| 71   | Anthracene                 | 40.000 | 38.029 | 4.9    | 87    | 0.00     |
| 72   | Carbazole                  | 40.000 | 37.878 | 5.3    | 80    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 41.950 | -4.9   | 95    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 36.989 | 7.5    | 84    | 0.01     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 83    | 0.01     |
| 76   | Benzidine                  | 40.000 | 46.170 | -15.4  | 78    | 0.00     |
| 77   | Pyrene                     | 40.000 | 38.004 | 5.0    | 83    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 84.704 | -5.9   | 84    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 46.185 | -15.5  | 87    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 42.001 | -5.0   | 82    | 0.01     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 42.922 | -7.3   | 89    | 0.00     |
| 82   | Chrysene                   | 40.000 | 44.694 | -11.7  | 86    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 49.584 | -24.0  | 98    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 55.368 | -38.4# | 106   | 0.01     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.500 | 1.3    | 78    | 0.01     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 84    | 0.01     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 48.203 | -20.5  | 93    | 0.01     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 35.359 | 11.6 | 81    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.102 | -0.3 | 84    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 38.817 | 3.0  | 79    | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 35.347 | 11.6 | 73    | 0.01     |

(#) = Out of Range

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