

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF082415\  
 Data File : BF081181.D  
 Acq On : 24 Aug 2015 21:34  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 24 23:45:27 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 24 13:58:19 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   | 128   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 42.830 | -7.1  | 134   | 0.02     |
| 3    | Pyridine                     | 40.000 | 44.003 | -10.0 | 125   | 0.01     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.039 | -2.6  | 128   | 0.01     |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.172 | 2.3   | 129   | 0.00     |
| 6    | Aniline                      | 40.000 | 39.844 | 0.4   | 130   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 82.386 | -3.0  | 124   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.318 | 1.7   | 116   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 40.020 | -0.1  | 119   | 0.00     |
| 10 C | Phenol                       | 40.000 | 44.368 | -10.9 | 128   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 35.560 | 11.1  | 112   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 42.061 | -5.2  | 133   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 42.722 | -6.8  | 138   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 36.440 | 8.9   | 108   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 37.101 | 7.2   | 127   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 37.818 | 5.5   | 117   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 42.531 | -6.3  | 131   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.067 | 2.3   | 120   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.993 | -5.0  | 126   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 41.010 | -2.5  | 132   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 134   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.077 | 2.3   | 123   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 82.784 | -3.5  | 140   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 34.280 | 14.3  | 109   | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.486 | 3.8   | 127   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.778 | -6.9  | 149   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.893 | 2.8   | 118   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.255 | -0.6  | 135   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 38.085 | 4.8   | 120   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 36.276 | 9.3   | 115   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.409 | 1.5   | 129   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 45.648 | -14.1 | 178   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.422 | 1.4   | 141   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.697 | -1.7  | 134   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.738 | -4.3  | 132   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.243 | -0.6  | 132   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 34.235 | 14.4  | 110   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 125   | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 43.359 | -8.4  | 134   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 36.109 | 9.7   | 105   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 77.363 | 3.3   | 125   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 43.317 | -8.3  | 134   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 39.995 | 0.0   | 111   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 74.349 | 7.1   | 128   | 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 | 43.248 | -8.1  | 121   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.994 | 0.0   | 127   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 40.164 | -0.4  | 122   | -0.01    |
| 48   | Acenaphthylene             | 40.000 | 36.207 | 9.5   | 120   | -0.01    |
| 49   | Dimethylphthalate          | 40.000 | 36.500 | 8.8   | 105   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 37.486 | 6.3   | 107   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 35.602 | 11.0  | 113   | -0.01    |
| 52   | 3-Nitroaniline             | 40.000 | 41.906 | -4.8  | 133   | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 42.826 | -7.1  | 132   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 35.579 | 11.1  | 117   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 38.650 | 3.4   | 125   | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 40.049 | -0.1  | 120   | 0.00     |
| 57   | Fluorene                   | 40.000 | 37.811 | 5.5   | 124   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.201 | -5.5  | 119   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.355 | 1.6   | 118   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.426 | -1.1  | 123   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 44.545 | -11.4 | 141   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 41.470 | -3.7  | 120   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 131   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 38.632 | 3.4   | 114   | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.201 | -0.5  | 126   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 36.232 | 9.4   | 121   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 37.195 | 7.0   | 113   | 0.00     |
| 68   | Atrazine                   | 40.000 | 32.138 | 19.7  | 105   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 37.260 | 6.9   | 120   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 35.313 | 11.7  | 118   | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.542 | 1.1   | 125   | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.844 | 0.4   | 116   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 38.497 | 3.8   | 121   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 39.988 | 0.0   | 126   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 146   | 0.00     |
| 76   | Benzidine                  | 40.000 | 33.378 | 16.6  | 99    | 0.00     |
| 77   | Pyrene                     | 40.000 | 35.292 | 11.8  | 137   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 69.305 | 13.4  | 121   | -0.01    |
| 79   | Butylbenzylphthalate       | 40.000 | 35.664 | 10.8  | 118   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.124 | 2.2   | 135   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.264 | -3.2  | 151   | 0.00     |
| 82   | Chrysene                   | 40.000 | 31.945 | 20.1  | 108   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.134 | 4.7   | 133   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 43.003 | -7.5  | 146   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.702 | -1.8  | 142   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 140   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 46.740 | -16.9 | 150   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 33.599 | 16.0 | 128   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.626 | -1.6 | 141   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 41.207 | -3.0 | 140   | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 40.922 | -2.3 | 141   | 0.00     |

(#) = Out of Range

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