

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082915\  
 Data File : BF081269.D  
 Acq On : 29 Aug 2015 14:07  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 31 01:17:22 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 31 01:11:18 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   | 114   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 41.965 | -4.9  | 116   | 0.00     |
| 3    | Pyridine                    | 40.000 | 37.884 | 5.3   | 96    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 42.330 | -5.8  | 118   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 77.433 | 3.2   | 114   | 0.00     |
| 6    | Aniline                     | 40.000 | 40.338 | -0.8  | 117   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 83.812 | -4.8  | 112   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.790 | 0.5   | 104   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 41.183 | -3.0  | 109   | 0.00     |
| 10 C | Phenol                      | 40.000 | 42.718 | -6.8  | 109   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 41.555 | -3.9  | 116   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 43.823 | -9.6  | 124   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 43.704 | -9.3  | 125   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 35.748 | 10.6  | 94    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 43.335 | -8.3  | 132   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.662 | -4.2  | 114   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 40.833 | -2.1  | 112   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 41.985 | -5.0  | 115   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 41.796 | -4.5  | 111   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 39.174 | 2.1   | 112   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 123   | 0.00     |
| 22   | Acetophenone                | 40.000 | 42.190 | -5.5  | 121   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 75.241 | 5.9   | 116   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 44.360 | -10.9 | 129   | 0.00     |
| 25   | Isophorone                  | 40.000 | 42.141 | -5.4  | 128   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 37.385 | 6.5   | 119   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 36.328 | 9.2   | 101   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 40.506 | -1.3  | 124   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 43.086 | -7.7  | 125   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.582 | 1.0   | 115   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 37.165 | 7.1   | 112   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 48.333 | -20.8 | 172   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 38.893 | 2.8   | 128   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 41.401 | -3.5  | 125   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 39.727 | 0.7   | 116   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 42.544 | -6.4  | 128   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.388 | 4.0   | 113   | 0.00     |
| 38 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 137   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 35.162 | 12.1  | 119   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 40.000 | 39.080 | 2.3   | 124   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 80.000 | 79.058 | 1.2   | 140   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 40.000 | 36.408 | 9.0   | 124   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 40.000 | 39.993 | 0.0   | 121   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 80.000 | 69.991 | 12.5  | 132   | 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 | 33.247 | 16.9   | 102   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 36.450 | 8.9    | 127   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 36.382 | 9.0    | 121   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 36.713 | 8.2    | 133   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 35.127 | 12.2   | 111   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 38.434 | 3.9    | 120   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 34.856 | 12.9   | 121   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 32.424 | 18.9   | 113   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 48.458 | -21.1  | 168   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 35.922 | 10.2   | 130   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 41.475 | -3.7   | 148   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 37.184 | 7.0    | 123   | 0.00     |
| 57   | Fluorene                   | 40.000 | 32.819 | 18.0   | 118   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.892 | 5.3    | 117   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.817 | 0.5    | 131   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 35.937 | 10.2   | 120   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 35.971 | 10.1   | 125   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 33.990 | 15.0   | 107   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 130   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.171 | -10.4  | 129   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 35.245 | 11.9   | 110   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 43.462 | -8.7   | 144   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 42.537 | -6.3   | 128   | 0.00     |
| 68   | Atrazine                   | 40.000 | 36.178 | 9.6    | 118   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 41.681 | -4.2   | 133   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 34.731 | 13.2   | 115   | 0.00     |
| 71   | Anthracene                 | 40.000 | 40.023 | -0.1   | 126   | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.792 | 0.5    | 115   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 40.460 | -1.2   | 126   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 35.601 | 11.0   | 111   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 139   | 0.00     |
| 76   | Benzidine                  | 40.000 | 42.667 | -6.7   | 120   | 0.00     |
| 77   | Pyrene                     | 40.000 | 37.644 | 5.9    | 138   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 78.019 | 2.5    | 129   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 42.847 | -7.1   | 134   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 37.654 | 5.9    | 123   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 36.174 | 9.6    | 125   | 0.00     |
| 82   | Chrysene                   | 40.000 | 32.058 | 19.9   | 103   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.900 | -7.2   | 142   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 50.285 | -25.7# | 162   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 46.046 | -15.1  | 152   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 152   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 41.561 | -3.9   | 144   | -0.02    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 31.682 | 20.8 | 131   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.371 | 4.1  | 144   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 41.571 | -3.9 | 153   | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 39.256 | 1.9  | 147   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1