

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030116\  
 Data File : BF085104.D  
 Acq On : 1 Mar 2016 21:26  
 Operator : SJ/IZ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF030116

Quant Time: Mar 02 14:14:13 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 02 13:24:18 2016  
 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    | 75    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 38.230 | 4.4    | 72    | 0.00     |
| 3    | Pyridine                    | 40.000 | 42.153 | -5.4   | 75    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 38.245 | 4.4    | 69    | -0.01    |
| 5 S  | 2-Fluorophenol              | 80.000 | 73.936 | 7.6    | 75    | 0.00     |
| 6    | Aniline                     | 40.000 | 39.246 | 1.9    | 73    | -0.01    |
| 7 S  | Phenol-d6                   | 80.000 | 80.104 | -0.1   | 78    | -0.01    |
| 8    | 2-Chlorophenol              | 40.000 | 41.883 | -4.7   | 80    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 50.528 | -26.3# | 91    | 0.00     |
| 10 C | Phenol                      | 40.000 | 45.404 | -13.5  | 87    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 36.045 | 9.9    | 63    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 40.222 | -0.6   | 75    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 36.567 | 8.6    | 72    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 42.341 | -5.9   | 80    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 46.642 | -16.6  | 91    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.973 | 7.6    | 72    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 38.640 | 3.4    | 70    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.064 | -0.2   | 76    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 37.114 | 7.2    | 66    | -0.01    |
| 20   | 3+4-Methylphenols           | 40.000 | 43.838 | -9.6   | 89    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 73    | 0.00     |
| 22   | Acetophenone                | 40.000 | 41.395 | -3.5   | 79    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 79.597 | 0.5    | 69    | -0.01    |
| 24   | Nitrobenzene                | 40.000 | 45.653 | -14.1  | 88    | 0.00     |
| 25   | Isophorone                  | 40.000 | 41.183 | -3.0   | 75    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 38.595 | 3.5    | 65    | -0.01    |
| 27   | 2,4-Dimethylphenol          | 40.000 | 38.645 | 3.4    | 68    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 44.681 | -11.7  | 87    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.485 | -1.2   | 73    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.748 | -1.9   | 78    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 37.405 | 6.5    | 73    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 36.431 | 8.9    | 66    | -0.02    |
| 33   | 4-Chloroaniline             | 40.000 | 43.162 | -7.9   | 84    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 41.275 | -3.2   | 73    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 45.294 | -13.2  | 82    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 44.389 | -11.0  | 82    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 45.234 | -13.1  | 83    | 0.00     |
| 38 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 80    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 35.171 | 12.1   | 73    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 40.000 | 40.908 | -2.3   | 76    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 80.000 | 92.513 | -15.6  | 86    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 40.000 | 39.011 | 2.5    | 73    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 40.000 | 44.002 | -10.0  | 82    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 80.000 | 71.617 | 10.5   | 76    | -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 | 33.917 | 15.2  | 68    | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.404 | 4.0   | 74    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 37.020 | 7.4   | 67    | -0.01    |
| 48   | Acenaphthylene             | 40.000 | 39.581 | 1.0   | 82    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.156 | 2.1   | 76    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 45.443 | -13.6 | 83    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 40.266 | -0.7  | 85    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 41.220 | -3.0  | 69    | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 45.733 | -14.3 | 89    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 43.802 | -9.5  | 90    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 39.521 | 1.2   | 67    | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 46.339 | -15.8 | 91    | 0.00     |
| 57   | Fluorene                   | 40.000 | 42.824 | -7.1  | 87    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 49.486 | -23.7 | 87    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 40.364 | -0.9  | 75    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 38.746 | 3.1   | 83    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 40.177 | -0.4  | 68    | -0.01    |
| 62   | Azobenzene                 | 40.000 | 44.769 | -11.9 | 85    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 78    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 34.827 | 12.9  | 60    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 38.184 | 4.5   | 74    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.410 | -1.0  | 83    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 41.946 | -4.9  | 81    | 0.00     |
| 68   | Atrazine                   | 40.000 | 31.754 | 20.6  | 67    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 39.812 | 0.5   | 78    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 40.730 | -1.8  | 89    | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.074 | 2.3   | 79    | 0.00     |
| 72   | Carbazole                  | 40.000 | 43.035 | -7.6  | 86    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 39.086 | 2.3   | 75    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 42.231 | -5.6  | 86    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 75    | 0.00     |
| 76   | Benzidine                  | 40.000 | 41.018 | -2.5  | 84    | 0.00     |
| 77   | Pyrene                     | 40.000 | 43.999 | -10.0 | 89    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 74.070 | 7.4   | 70    | -0.01    |
| 79   | Butylbenzylphthalate       | 40.000 | 40.810 | -2.0  | 74    | -0.01    |
| 80   | Benzo(a)anthracene         | 40.000 | 42.551 | -6.4  | 83    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 45.665 | -14.2 | 85    | 0.00     |
| 82   | Chrysene                   | 40.000 | 43.988 | -10.0 | 88    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 44.702 | -11.8 | 82    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 44.676 | -11.7 | 79    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.033 | 2.4   | 75    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 77    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 43.632 | -9.1  | 83    | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 39.513 | 1.2  | 76    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 42.342 | -5.9 | 81    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 41.397 | -3.5 | 75    | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 40.857 | -2.1 | 75    | -0.01    |

(#) = Out of Range

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