

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM010215\  
 Data File : BM000101.D  
 Acq On : 02 Jan 2015 09:40  
 Operator : TP/IZ  
 Sample : SSTD02011  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02011

Quant Time: Jan 03 05:36:08 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM122914.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 31 02:57:11 2014  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0   | 130   | 0.00     |
| 2    | 1,4-Dioxane                 | 8.000  | 7.179  | 10.3  | 121   | -0.01    |
| 3 S  | 1,4-Dioxane-d8              | 8.000  | 7.822  | 2.2   | 129   | -0.01    |
| 4    | Benzaldehyde                | 20.000 | 22.245 | -11.2 | 128   | -0.01    |
| 5 S  | Phenol-d5                   | 20.000 | 19.254 | 3.7   | 134   | -0.01    |
| 6    | Phenol                      | 20.000 | 19.190 | 4.0   | 130   | -0.01    |
| 7 S  | Bis-(2-Chloroethyl)ether-d8 | 20.000 | 19.418 | 2.9   | 133   | -0.01    |
| 8    | Bis(2-Chloroethyl)ether     | 20.000 | 18.925 | 5.4   | 128   | -0.01    |
| 9 S  | 2-Chlorophenol-d4           | 20.000 | 19.591 | 2.0   | 134   | 0.00     |
| 10   | 2-Chlorophenol              | 20.000 | 19.439 | 2.8   | 132   | -0.01    |
| 11   | 2-Methylphenol              | 20.000 | 19.505 | 2.5   | 134   | 0.00     |
| 12   | 2,2'-oxybis(1-Chloropropane | 20.000 | 20.461 | -2.3  | 137   | -0.01    |
| 13 S | 4-Methylphenol-d8           | 20.000 | 19.316 | 3.4   | 133   | 0.00     |
| 14   | Acetophenone                | 20.000 | 19.413 | 2.9   | 129   | -0.01    |
| 15 P | N-Nitroso-di-n-propylamine  | 20.000 | 19.761 | 1.2   | 132   | -0.01    |
| 16   | 4-Methylphenol              | 20.000 | 19.167 | 4.2   | 130   | -0.01    |
| 17   | Hexachloroethane            | 20.000 | 19.803 | 1.0   | 137   | -0.01    |
| 18 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 133   | -0.01    |
| 19 S | Nitrobenzene-d5             | 20.000 | 20.331 | -1.7  | 143   | 0.00     |
| 20   | Nitrobenzene                | 20.000 | 20.221 | -1.1  | 139   | -0.01    |
| 21   | Isophorone                  | 20.000 | 19.315 | 3.4   | 133   | -0.01    |
| 22 S | 2-Nitrophenol-d4            | 20.000 | 20.933 | -4.7  | 144   | 0.00     |
| 23 C | 2-Nitrophenol               | 20.000 | 19.998 | 0.0   | 133   | 0.00     |
| 24   | 2,4-Dimethylphenol          | 20.000 | 19.415 | 2.9   | 132   | -0.01    |
| 25   | Bis(2-Chloroethoxy)methane  | 20.000 | 18.963 | 5.2   | 131   | -0.01    |
| 26 S | 2,4-Dichlorophenol-d3       | 20.000 | 19.120 | 4.4   | 133   | -0.01    |
| 27 C | 2,4-Dichlorophenol          | 20.000 | 19.257 | 3.7   | 131   | 0.00     |
| 28   | Naphthalene                 | 20.000 | 19.130 | 4.4   | 132   | -0.01    |
| 29 S | 4-Chloroaniline-d4          | 20.000 | 21.832 | -9.2  | 131   | 0.00     |
| 30   | 4-Chloroaniline             | 20.000 | 20.674 | -3.4  | 124   | 0.00     |
| 31 C | Hexachlorobutadiene         | 20.000 | 20.018 | -0.1  | 138   | -0.01    |
| 32   | Caprolactam                 | 20.000 | 18.258 | 8.7   | 124   | 0.00     |
| 33 C | 4-Chloro-3-methylphenol     | 20.000 | 19.855 | 0.7   | 136   | 0.00     |
| 34   | 2-Methylnaphthalene         | 20.000 | 19.047 | 4.8   | 130   | -0.01    |
| 35 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 133   | -0.01    |
| 36   | 1,2,4,5-Tetrachlorobenzene  | 20.000 | 19.535 | 2.3   | 135   | 0.00     |
| 37   | Hexachlorocyclopentadiene   | 20.000 | 18.617 | 6.9   | 136   | -0.01    |
| 38 C | 2,4,6-Trichlorophenol       | 20.000 | 19.952 | 0.2   | 137   | 0.00     |
| 39   | 2,4,5-Trichlorophenol       | 20.000 | 19.374 | 3.1   | 130   | 0.00     |
| 40   | 1,1'-Biphenyl               | 20.000 | 19.235 | 3.8   | 131   | -0.01    |
| 41   | 2-Chloronaphthalene         | 20.000 | 19.366 | 3.2   | 134   | 0.00     |
| 42   | 2-Nitroaniline              | 20.000 | 21.256 | -6.3  | 144   | -0.01    |
| 43 S | Dimethylphthalate-d6        | 20.000 | 18.975 | 5.1   | 129   | 0.00     |
| 44   | Dimethylphthalate           | 20.000 | 19.316 | 3.4   | 133   | 0.00     |

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Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 45   | 2,6-Dinitrotoluene          | 20.000 | 20.567 | -2.8 | 137   | -0.01    |
| 46 S | Acenaphthylene-d8           | 20.000 | 19.160 | 4.2  | 131   | -0.01    |
| 47   | Acenaphthylene              | 20.000 | 19.117 | 4.4  | 130   | 0.00     |
| 48   | 3-Nitroaniline              | 20.000 | 21.772 | -8.9 | 137   | 0.00     |
| 49 C | Acenaphthene                | 20.000 | 19.018 | 4.9  | 130   | 0.00     |
| 50   | 2,4-Dinitrophenol           | 20.000 | 17.782 | 11.1 | 142   | -0.01    |
| 51 S | 4-Nitrophenol-d4            | 20.000 | 18.323 | 8.4  | 126   | 0.00     |
| 52   | 4-Nitrophenol               | 20.000 | 19.688 | 1.6  | 138   | 0.00     |
| 53   | Dibenzofuran                | 20.000 | 18.930 | 5.4  | 130   | -0.01    |
| 54   | 2,4-Dinitrotoluene          | 20.000 | 20.498 | -2.5 | 139   | 0.00     |
| 55   | 2,3,4,6-Tetrachlorophenol   | 20.000 | 20.058 | -0.3 | 131   | 0.00     |
| 56   | Diethylphthalate            | 20.000 | 19.398 | 3.0  | 132   | -0.01    |
| 57 S | Fluorene-d10                | 20.000 | 19.074 | 4.6  | 130   | 0.00     |
| 58   | Fluorene                    | 20.000 | 19.085 | 4.6  | 130   | 0.00     |
| 59   | 4-Chlorophenyl-phenylether  | 20.000 | 19.214 | 3.9  | 132   | -0.01    |
| 60   | 4-Nitroaniline              | 20.000 | 19.507 | 2.5  | 129   | 0.00     |
| 61 I | Phenanthrene-d10            | 20.000 | 20.000 | 0.0  | 131   | -0.01    |
| 62 S | 4,6-Dinitro-2-methylphenol- | 20.000 | 18.640 | 6.8  | 145   | 0.00     |
| 63   | 4,6-Dinitro-2-methylphenol  | 20.000 | 18.983 | 5.1  | 143   | -0.01    |
| 64   | N-Nitrosodiphenylamine      | 20.000 | 19.364 | 3.2  | 131   | -0.01    |
| 65   | 4-Bromophenyl-phenylether   | 20.000 | 19.457 | 2.7  | 134   | 0.00     |
| 66   | Hexachlorobenzene           | 20.000 | 19.776 | 1.1  | 135   | -0.01    |
| 67   | Atrazine                    | 20.000 | 19.288 | 3.6  | 130   | -0.01    |
| 68 C | Pentachlorophenol           | 20.000 | 18.205 | 9.0  | 132   | -0.01    |
| 69   | Phenanthrene                | 20.000 | 19.317 | 3.4  | 128   | 0.00     |
| 70 S | Anthracene-d10              | 20.000 | 19.258 | 3.7  | 129   | 0.00     |
| 71   | Anthracene                  | 20.000 | 19.213 | 3.9  | 129   | 0.00     |
| 72   | Carbazole                   | 20.000 | 19.041 | 4.8  | 126   | -0.01    |
| 73   | Di-n-butylphthalate         | 20.000 | 19.714 | 1.4  | 128   | 0.00     |
| 74 C | Fluoranthene                | 20.000 | 19.649 | 1.8  | 126   | -0.01    |
| 75 I | Chrysene-d12                | 20.000 | 20.000 | 0.0  | 113   | -0.01    |
| 76 S | Pyrene-d10                  | 20.000 | 21.185 | -5.9 | 126   | -0.01    |
| 77   | Pyrene                      | 20.000 | 20.724 | -3.6 | 121   | 0.00     |
| 78   | Butylbenzylphthalate        | 20.000 | 21.573 | -7.9 | 125   | 0.00     |
| 79   | 3,3'-Dichlorobenzidine      | 20.000 | 19.759 | 1.2  | 107   | -0.01    |
| 80   | Benzo(a)anthracene          | 20.000 | 19.233 | 3.8  | 115   | 0.00     |
| 81   | Bis(2-ethylhexyl)phthalate  | 20.000 | 21.014 | -5.1 | 118   | -0.02    |
| 82   | Chrysene                    | 20.000 | 19.344 | 3.3  | 111   | -0.01    |
| 83 I | Perylene-d12                | 20.000 | 20.000 | 0.0  | 102   | -0.01    |
| 84   | Di-n-octyl phthalate        | 20.000 | 21.018 | -5.1 | 112   | -0.01    |
| 85   | Benzo(b)fluoranthene        | 20.000 | 18.848 | 5.8  | 96    | -0.01    |
| 86   | Benzo(k)fluoranthene        | 20.000 | 21.180 | -5.9 | 112   | -0.01    |
| 87 S | Benzo(a)pyrene-d12          | 20.000 | 19.671 | 1.6  | 103   | -0.01    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88 C | Benzo(a)pyrene         | 20.000 | 19.406 | 3.0  | 99    | -0.01    |
| 89   | Indeno(1,2,3-cd)pyrene | 20.000 | 19.182 | 4.1  | 102   | -0.02    |
| 90   | Dibenzo(a,h)anthracene | 20.000 | 19.410 | 2.9  | 103   | -0.02    |
| 91   | Benzo(g,h,i)perylene   | 20.000 | 19.474 | 2.6  | 105   | -0.01    |

(#) = Out of Range

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