

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM081915\  
 Data File : BM002488.D  
 Acq On : 19 Aug 2015 12:20  
 Operator : UM/IZ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTD02047

Quant Time: Aug 20 02:28:13 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 20 02:27:18 2015  
 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                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 66    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.488 | 0.406 | 16.8   | 56    | 0.00     |
| 3 S  | 1,4-Dioxane-d8              | 0.433 | 0.386 | 10.9   | 59    | 0.00     |
| 4    | Benzaldehyde                | 1.067 | 1.064 | 0.3    | 58    | 0.00     |
| 5 S  | Phenol-d5                   | 1.809 | 1.710 | 5.5    | 61    | 0.01     |
| 6    | Phenol                      | 1.854 | 1.741 | 6.1    | 60    | 0.01     |
| 7 S  | Bis-(2-Chloroethyl)ether-d8 | 1.068 | 0.906 | 15.2   | 54    | 0.00     |
| 8    | Bis(2-Chloroethyl)ether     | 1.427 | 1.298 | 9.0    | 58    | 0.00     |
| 9 S  | 2-Chlorophenol-d4           | 1.495 | 1.496 | -0.1   | 65    | 0.00     |
| 10   | 2-Chlorophenol              | 1.525 | 1.506 | 1.2    | 64    | 0.00     |
| 11   | 2-Methylphenol              | 1.467 | 1.392 | 5.1    | 61    | 0.00     |
| 12   | 2,2'-oxybis(1-Chloropropane | 2.545 | 1.806 | 29.0#  | 45    | 0.00     |
| 13 S | 4-Methylphenol-d8           | 1.550 | 1.535 | 1.0    | 63    | 0.00     |
| 14   | Acetophenone                | 2.309 | 2.274 | 1.5    | 61    | 0.00     |
| 15 P | N-Nitroso-di-n-propylamine  | 1.240 | 1.081 | 12.8   | 55    | 0.00     |
| 16   | 4-Methylphenol              | 1.606 | 1.542 | 4.0    | 61    | 0.00     |
| 17   | Hexachloroethane            | 0.602 | 0.539 | 10.5   | 59    | 0.00     |
| 18 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 67    | 0.01     |
| 19 S | Nitrobenzene-d5             | 0.150 | 0.153 | -2.0   | 68    | 0.00     |
| 20   | Nitrobenzene                | 0.348 | 0.302 | 13.2   | 57    | 0.00     |
| 21   | Isophorone                  | 0.694 | 0.624 | 10.1   | 58    | 0.00     |
| 22 S | 2-Nitrophenol-d4            | 0.133 | 0.164 | -23.3# | 82    | 0.00     |
| 23 C | 2-Nitrophenol               | 0.151 | 0.179 | -18.5  | 78    | 0.01     |
| 24   | 2,4-Dimethylphenol          | 0.370 | 0.342 | 7.6    | 60    | 0.00     |
| 25   | Bis(2-Chloroethoxy)methane  | 0.429 | 0.385 | 10.3   | 58    | 0.00     |
| 26 S | 2,4-Dichlorophenol-d3       | 0.291 | 0.299 | -2.7   | 67    | 0.00     |
| 27 C | 2,4-Dichlorophenol          | 0.280 | 0.290 | -3.6   | 68    | 0.00     |
| 28   | Naphthalene                 | 1.053 | 1.003 | 4.7    | 62    | 0.00     |
| 29 S | 4-Chloroaniline-d4          | 0.386 | 0.432 | -11.9  | 63    | 0.00     |
| 30   | 4-Chloroaniline             | 0.383 | 0.439 | -14.6  | 64    | 0.00     |
| 31 C | Hexachlorobutadiene         | 0.162 | 0.156 | 3.7    | 63    | 0.00     |
| 32   | Caprolactam                 | 0.115 | 0.109 | 5.2    | 60    | 0.01     |
| 33 C | 4-Chloro-3-methylphenol     | 0.350 | 0.331 | 5.4    | 61    | 0.00     |
| 34   | 2-Methylnaphthalene         | 0.752 | 0.747 | 0.7    | 65    | 0.00     |
| 35   | 1-Methylnaphthalene         | 0.741 | 0.735 | 0.8    | 64    | 0.00     |
| 36 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 67    | 0.00     |
| 37   | 1,2,4,5-Tetrachlorobenzene  | 0.574 | 0.570 | 0.7    | 65    | 0.00     |
| 38   | Hexachlorocyclopentadiene   | 0.340 | 0.227 | 33.2#  | 45    | 0.00     |
| 39 C | 2,4,6-Trichlorophenol       | 0.358 | 0.387 | -8.1   | 71    | 0.01     |
| 40   | 2,4,5-Trichlorophenol       | 0.401 | 0.428 | -6.7   | 72    | 0.01     |
| 41   | 1,1'-Biphenyl               | 1.691 | 1.650 | 2.4    | 64    | 0.01     |
| 42   | 2-Chloronaphthalene         | 1.285 | 1.255 | 2.3    | 64    | 0.01     |
| 43   | 2-Nitroaniline              | 0.390 | 0.345 | 11.5   | 59    | 0.00     |
| 44 S | Dimethylphthalate-d6        | 1.646 | 1.590 | 3.4    | 64    | 0.00     |

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|      | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 45   | Dimethylphthalate           | 1.680 | 1.592 | 5.2    | 62    | 0.00     |
| 46   | 2,6-Dinitrotoluene          | 0.315 | 0.344 | -9.2   | 73    | 0.01     |
| 47 S | Acenaphthylene-d8           | 2.072 | 2.044 | 1.4    | 65    | 0.01     |
| 48   | Acenaphthylene              | 2.151 | 2.114 | 1.7    | 64    | 0.01     |
| 49   | 3-Nitroaniline              | 0.340 | 0.380 | -11.8  | 69    | 0.00     |
| 50 C | Acenaphthene                | 1.447 | 1.388 | 4.1    | 63    | 0.01     |
| 51   | 2,4-Dinitrophenol           | 0.109 | 0.126 | -15.6  | 95    | 0.01     |
| 52 S | 4-Nitrophenol-d4            | 0.297 | 0.288 | 3.0    | 66    | 0.01     |
| 53   | 4-Nitrophenol               | 0.218 | 0.184 | 15.6   | 56    | 0.01     |
| 54   | Dibenzofuran                | 1.931 | 1.902 | 1.5    | 64    | 0.00     |
| 55   | 2,4-Dinitrotoluene          | 0.446 | 0.500 | -12.1  | 74    | 0.00     |
| 56   | 2,3,4,6-Tetrachlorophenol   | 0.305 | 0.310 | -1.6   | 67    | 0.01     |
| 57   | Diethylphthalate            | 1.796 | 1.666 | 7.2    | 61    | 0.01     |
| 58 S | Fluorene-d10                | 1.441 | 1.414 | 1.9    | 64    | 0.00     |
| 59   | Fluorene                    | 1.629 | 1.590 | 2.4    | 64    | 0.01     |
| 60   | 4-Chlorophenyl-phenylether  | 0.747 | 0.727 | 2.7    | 64    | 0.00     |
| 61   | 4-Nitroaniline              | 0.394 | 0.426 | -8.1   | 72    | 0.00     |
| 62 I | Phenanthrene-d10            | 1.000 | 1.000 | 0.0    | 68    | 0.01     |
| 63 S | 4,6-Dinitro-2-methylphenol- | 0.079 | 0.101 | -27.8# | 102   | 0.01     |
| 64   | 4,6-Dinitro-2-methylphenol  | 0.088 | 0.105 | -19.3  | 92    | 0.01     |
| 65   | N-Nitrosodiphenylamine      | 0.656 | 0.624 | 4.9    | 63    | 0.00     |
| 66   | 4-Bromophenyl-phenylether   | 0.209 | 0.198 | 5.3    | 63    | 0.00     |
| 67   | Hexachlorobenzene           | 0.238 | 0.227 | 4.6    | 63    | 0.00     |
| 68   | Atrazine                    | 0.228 | 0.225 | 1.3    | 62    | 0.00     |
| 69 C | Pentachlorophenol           | 0.117 | 0.074 | 36.8#  | 44    | 0.01     |
| 70   | Phenanthrene                | 1.151 | 1.132 | 1.7    | 65    | 0.00     |
| 71 S | Anthracene-d10              | 0.970 | 0.956 | 1.4    | 65    | 0.00     |
| 72   | Anthracene                  | 1.189 | 1.150 | 3.3    | 63    | 0.00     |
| 73   | 1,2,3,4-Tetrachlorobenzene  | 0.272 | 0.252 | 7.4    | 61    | 0.00     |
| 74   | Pentachlorobenzene          | 0.263 | 0.262 | 0.4    | 66    | 0.01     |
| 75   | Carbazole                   | 1.076 | 1.069 | 0.7    | 62    | 0.01     |
| 76   | Di-n-butylphthalate         | 1.443 | 1.348 | 6.6    | 61    | 0.00     |
| 77 C | Fluoranthene                | 1.218 | 1.255 | -3.0   | 64    | 0.01     |
| 78 I | Chrysene-d12                | 1.000 | 1.000 | 0.0    | 70    | 0.01     |
| 79 S | Pyrene-d10                  | 0.970 | 0.936 | 3.5    | 65    | 0.00     |
| 80   | Pyrene                      | 1.293 | 1.235 | 4.5    | 64    | 0.00     |
| 81   | Butylbenzylphthalate        | 0.639 | 0.584 | 8.6    | 62    | 0.01     |
| 82   | 3,3'-Dichlorobenzidine      | 0.384 | 0.435 | -13.3  | 70    | 0.01     |
| 83   | Benzo(a)anthracene          | 1.221 | 1.183 | 3.1    | 66    | 0.02     |
| 84   | Bis(2-ethylhexyl)phthalate  | 0.924 | 0.864 | 6.5    | 64    | 0.00     |
| 85   | Chrysene                    | 1.157 | 1.107 | 4.3    | 65    | 0.02     |
| 86 I | Perylene-d12                | 1.000 | 1.000 | 0.0    | 72    | 0.02     |
| 87   | Di-n-octyl phthalate        | 1.527 | 1.451 | 5.0    | 66    | 0.01     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.243 | 1.161 | 6.6  | 67    | 0.02     |
| 89   | Benzo(k)fluoranthene   | 1.194 | 1.136 | 4.9  | 66    | 0.02     |
| 90 S | Benzo(a)pyrene-d12     | 1.062 | 1.036 | 2.4  | 69    | 0.02     |
| 91 C | Benzo(a)pyrene         | 1.189 | 1.139 | 4.2  | 68    | 0.02     |
| 92   | Indeno(1,2,3-cd)pyrene | 1.363 | 1.352 | 0.8  | 69    | 0.03     |
| 93   | Dibenzo(a,h)anthracene | 1.155 | 1.134 | 1.8  | 68    | 0.04     |
| 94   | Benzo(g,h,i)perylene   | 1.150 | 1.137 | 1.1  | 68    | 0.04     |

(#) = Out of Range

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