

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM012516\  
 Data File : BM004125.D  
 Acq On : 25 Jan 2016 11:58  
 Operator : SJ/IZ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTD02046

Quant Time: Jan 25 15:54:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM012016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 25 15:41:03 2016  
 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  | 132   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.468 | 0.475 | -1.5 | 124   | 0.00     |
| 3 S  | 1,4-Dioxane-d8              | 0.378 | 0.369 | 2.4  | 119   | 0.00     |
| 4    | Benzaldehyde                | 1.132 | 1.178 | -4.1 | 121   | 0.00     |
| 5 S  | Phenol-d5                   | 1.951 | 1.852 | 5.1  | 125   | 0.00     |
| 6    | Phenol                      | 2.121 | 2.017 | 4.9  | 125   | 0.00     |
| 7 S  | Bis-(2-Chloroethyl)ether-d8 | 1.039 | 1.009 | 2.9  | 124   | 0.00     |
| 8    | Bis(2-Chloroethyl)ether     | 1.502 | 1.464 | 2.5  | 124   | 0.00     |
| 9 S  | 2-Chlorophenol-d4           | 1.519 | 1.492 | 1.8  | 126   | 0.00     |
| 10   | 2-Chlorophenol              | 1.598 | 1.586 | 0.8  | 127   | 0.00     |
| 11   | 2-Methylphenol              | 1.633 | 1.561 | 4.4  | 125   | 0.00     |
| 12   | 2,2'-oxybis(1-Chloropropane | 1.638 | 1.581 | 3.5  | 121   | 0.00     |
| 13 S | 4-Methylphenol-d8           | 1.674 | 1.598 | 4.5  | 126   | 0.00     |
| 14   | Acetophenone                | 2.669 | 2.624 | 1.7  | 124   | 0.00     |
| 15 P | N-Nitroso-di-n-propylamine  | 1.311 | 1.274 | 2.8  | 122   | 0.00     |
| 16   | 4-Methylphenol              | 1.849 | 1.791 | 3.1  | 127   | 0.00     |
| 17   | Hexachloroethane            | 0.582 | 0.570 | 2.1  | 123   | 0.00     |
| 18 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 131   | 0.00     |
| 19 S | Nitrobenzene-d5             | 0.148 | 0.150 | -1.4 | 126   | 0.00     |
| 20   | Nitrobenzene                | 0.366 | 0.369 | -0.8 | 126   | 0.00     |
| 21   | Isophorone                  | 0.741 | 0.719 | 3.0  | 121   | 0.00     |
| 22 S | 2-Nitrophenol-d4            | 0.164 | 0.161 | 1.8  | 122   | 0.00     |
| 23 C | 2-Nitrophenol               | 0.189 | 0.189 | 0.0  | 122   | 0.00     |
| 24   | 2,4-Dimethylphenol          | 0.402 | 0.404 | -0.5 | 125   | 0.00     |
| 25   | Bis(2-Chloroethoxy)methane  | 0.435 | 0.429 | 1.4  | 123   | 0.00     |
| 26 S | 2,4-Dichlorophenol-d3       | 0.306 | 0.310 | -1.3 | 125   | 0.00     |
| 27 C | 2,4-Dichlorophenol          | 0.326 | 0.329 | -0.9 | 125   | 0.00     |
| 28   | Naphthalene                 | 1.126 | 1.115 | 1.0  | 124   | 0.00     |
| 29 S | 4-Chloroaniline-d4          | 0.389 | 0.411 | -5.7 | 129   | 0.00     |
| 30   | 4-Chloroaniline             | 0.418 | 0.448 | -7.2 | 132   | 0.00     |
| 31 C | Hexachlorobutadiene         | 0.189 | 0.193 | -2.1 | 127   | 0.00     |
| 32   | Caprolactam                 | 0.128 | 0.119 | 7.0  | 125   | 0.00     |
| 33 C | 4-Chloro-3-methylphenol     | 0.404 | 0.397 | 1.7  | 123   | 0.00     |
| 34   | 2-Methylnaphthalene         | 0.849 | 0.843 | 0.7  | 125   | 0.00     |
| 35   | 1-Methylnaphthalene         | 0.810 | 0.801 | 1.1  | 124   | 0.00     |
| 36 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 129   | 0.00     |
| 37   | 1,2,4,5-Tetrachlorobenzene  | 0.616 | 0.635 | -3.1 | 126   | 0.00     |
| 38   | Hexachlorocyclopentadiene   | 0.251 | 0.211 | 15.9 | 122   | 0.00     |
| 39 C | 2,4,6-Trichlorophenol       | 0.412 | 0.416 | -1.0 | 123   | 0.00     |
| 40   | 2,4,5-Trichlorophenol       | 0.458 | 0.468 | -2.2 | 123   | 0.00     |
| 41   | 1,1'-Biphenyl               | 1.711 | 1.734 | -1.3 | 125   | 0.00     |
| 42   | 2-Chloronaphthalene         | 1.292 | 1.327 | -2.7 | 125   | 0.00     |
| 43   | 2-Nitroaniline              | 0.372 | 0.377 | -1.3 | 123   | 0.00     |
| 44 S | Dimethylphthalate-d6        | 1.721 | 1.712 | 0.5  | 122   | 0.00     |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTD02046

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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                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 45   | Dimethylphthalate           | 1.813 | 1.808 | 0.3   | 123   | 0.00     |
| 46   | 2,6-Dinitrotoluene          | 0.349 | 0.357 | -2.3  | 124   | 0.00     |
| 47 S | Acenaphthylene-d8           | 2.003 | 2.046 | -2.1  | 125   | 0.00     |
| 48   | Acenaphthylene              | 2.209 | 2.268 | -2.7  | 125   | 0.00     |
| 49   | 3-Nitroaniline              | 0.380 | 0.392 | -3.2  | 127   | 0.00     |
| 50 C | Acenaphthene                | 1.499 | 1.511 | -0.8  | 125   | 0.00     |
| 51   | 2,4-Dinitrophenol           | 0.196 | 0.134 | 31.6# | 101   | 0.00     |
| 52 S | 4-Nitrophenol-d4            | 0.344 | 0.300 | 12.8  | 111   | 0.00     |
| 53   | 4-Nitrophenol               | 0.278 | 0.249 | 10.4  | 113   | 0.00     |
| 54   | Dibenzofuran                | 2.131 | 2.183 | -2.4  | 126   | 0.00     |
| 55   | 2,4-Dinitrotoluene          | 0.552 | 0.571 | -3.4  | 126   | 0.00     |
| 56   | 2,3,4,6-Tetrachlorophenol   | 0.406 | 0.403 | 0.7   | 123   | 0.00     |
| 57   | Diethylphthalate            | 1.886 | 1.902 | -0.8  | 124   | 0.00     |
| 58 S | Fluorene-d10                | 1.476 | 1.485 | -0.6  | 125   | 0.00     |
| 59   | Fluorene                    | 1.772 | 1.803 | -1.7  | 124   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether  | 0.836 | 0.848 | -1.4  | 125   | 0.00     |
| 61   | 4-Nitroaniline              | 0.464 | 0.462 | 0.4   | 120   | 0.00     |
| 62 I | Phenanthrene-d10            | 1.000 | 1.000 | 0.0   | 130   | 0.00     |
| 63 S | 4,6-Dinitro-2-methylphenol- | 0.123 | 0.108 | 12.2  | 116   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol  | 0.135 | 0.119 | 11.9  | 115   | 0.00     |
| 65   | N-Nitrosodiphenylamine      | 0.623 | 0.633 | -1.6  | 125   | 0.00     |
| 66   | 4-Bromophenyl-phenylether   | 0.203 | 0.207 | -2.0  | 125   | 0.00     |
| 67   | Hexachlorobenzene           | 0.236 | 0.238 | -0.8  | 125   | 0.00     |
| 68   | Atrazine                    | 0.232 | 0.232 | 0.0   | 123   | 0.00     |
| 69 C | Pentachlorophenol           | 0.123 | 0.107 | 13.0  | 117   | 0.00     |
| 70   | Phenanthrene                | 1.221 | 1.236 | -1.2  | 125   | 0.00     |
| 71 S | Anthracene-d10              | 0.973 | 0.994 | -2.2  | 126   | 0.00     |
| 72   | Anthracene                  | 1.238 | 1.261 | -1.9  | 124   | 0.00     |
| 73   | 1,2,3,4-Tetrachlorobenzene  | 0.240 | 0.246 | -2.5  | 126   | 0.00     |
| 74   | Pentachlorobenzene          | 0.253 | 0.259 | -2.4  | 126   | 0.00     |
| 75   | Carbazole                   | 1.126 | 1.180 | -4.8  | 125   | 0.00     |
| 76   | Di-n-butylphthalate         | 1.348 | 1.367 | -1.4  | 123   | 0.00     |
| 77 C | Fluoranthene                | 1.421 | 1.516 | -6.7  | 126   | 0.00     |
| 78 I | Chrysene-d12                | 1.000 | 1.000 | 0.0   | 131   | 0.00     |
| 79 S | Pyrene-d10                  | 0.896 | 0.907 | -1.2  | 127   | 0.00     |
| 80   | Pyrene                      | 1.230 | 1.236 | -0.5  | 126   | 0.00     |
| 81   | Butylbenzylphthalate        | 0.523 | 0.524 | -0.2  | 126   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine      | 0.411 | 0.399 | 2.9   | 115   | 0.00     |
| 83   | Benzo(a)anthracene          | 1.273 | 1.305 | -2.5  | 128   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate  | 0.788 | 0.798 | -1.3  | 124   | 0.00     |
| 85   | Chrysene                    | 1.211 | 1.247 | -3.0  | 129   | 0.00     |
| 86 I | Perylene-d12                | 1.000 | 1.000 | 0.0   | 132   | 0.00     |
| 87   | Di-n-octyl phthalate        | 1.344 | 1.374 | -2.2  | 125   | 0.00     |

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Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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SSTD02046

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|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.277 | 1.273 | 0.3  | 125   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.189 | 1.237 | -4.0 | 130   | 0.00     |
| 90 S | Benzo(a)pyrene-d12     | 1.043 | 1.048 | -0.5 | 126   | 0.00     |
| 91 C | Benzo(a)pyrene         | 1.233 | 1.253 | -1.6 | 127   | 0.00     |
| 92   | Indeno(1,2,3-cd)pyrene | 1.472 | 1.409 | 4.3  | 120   | 0.00     |
| 93   | Dibenzo(a,h)anthracene | 1.228 | 1.166 | 5.0  | 118   | 0.00     |
| 94   | Benzo(g,h,i)perylene   | 1.255 | 1.201 | 4.3  | 120   | 0.00     |

(#) = Out of Range

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