

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG082016\  
 Data File : BG023802.D  
 Acq On : 20 Aug 2016 5:17  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02016

Quant Time: Aug 22 03:39:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG081816.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 19 04:06:00 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   | 105   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.462 | 0.503 | -8.9  | 106   | 0.00     |
| 3 S  | 1,4-Dioxane-d8              | 0.441 | 0.471 | -6.8  | 113   | 0.00     |
| 4    | Benzaldehyde                | 1.210 | 1.342 | -10.9 | 102   | 0.00     |
| 5 S  | Phenol-d5                   | 1.875 | 1.979 | -5.5  | 106   | 0.00     |
| 6    | Phenol                      | 1.921 | 2.007 | -4.5  | 105   | 0.00     |
| 7 S  | Bis-(2-Chloroethyl)ether-d8 | 1.285 | 1.323 | -3.0  | 103   | 0.00     |
| 8    | Bis(2-Chloroethyl)ether     | 1.466 | 1.547 | -5.5  | 106   | 0.00     |
| 9 S  | 2-Chlorophenol-d4           | 1.331 | 1.394 | -4.7  | 107   | 0.00     |
| 10   | 2-Chlorophenol              | 1.358 | 1.422 | -4.7  | 106   | 0.00     |
| 11   | 2-Methylphenol              | 1.461 | 1.465 | -0.3  | 102   | 0.00     |
| 12   | 2,2'-oxybis(1-Chloropropane | 2.096 | 2.160 | -3.1  | 101   | 0.00     |
| 13 S | 4-Methylphenol-d8           | 1.466 | 1.470 | -0.3  | 102   | 0.00     |
| 14   | Acetophenone                | 2.384 | 2.435 | -2.1  | 102   | 0.00     |
| 15 P | N-Nitroso-di-n-propylamine  | 1.477 | 1.476 | 0.1   | 101   | 0.00     |
| 16   | 4-Methylphenol              | 1.589 | 1.588 | 0.1   | 101   | 0.00     |
| 17   | Hexachloroethane            | 0.599 | 0.651 | -8.7  | 110   | 0.00     |
| 18 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 19 S | Nitrobenzene-d5             | 0.162 | 0.163 | -0.6  | 101   | 0.00     |
| 20   | Nitrobenzene                | 0.473 | 0.489 | -3.4  | 105   | 0.00     |
| 21   | Isophorone                  | 0.875 | 0.878 | -0.3  | 100   | 0.00     |
| 22 S | 2-Nitrophenol-d4            | 0.184 | 0.190 | -3.3  | 99    | 0.00     |
| 23 C | 2-Nitrophenol               | 0.198 | 0.202 | -2.0  | 100   | 0.00     |
| 24   | 2,4-Dimethylphenol          | 0.428 | 0.441 | -3.0  | 100   | 0.00     |
| 25   | Bis(2-Chloroethoxy)methane  | 0.492 | 0.498 | -1.2  | 100   | 0.00     |
| 26 S | 2,4-Dichlorophenol-d3       | 0.333 | 0.342 | -2.7  | 101   | 0.00     |
| 27 C | 2,4-Dichlorophenol          | 0.333 | 0.340 | -2.1  | 102   | 0.00     |
| 28   | Naphthalene                 | 1.023 | 1.063 | -3.9  | 102   | 0.00     |
| 29 S | 4-Chloroaniline-d4          | 0.408 | 0.431 | -5.6  | 99    | 0.00     |
| 30   | 4-Chloroaniline             | 0.400 | 0.433 | -8.2  | 101   | 0.00     |
| 31 C | Hexachlorobutadiene         | 0.239 | 0.254 | -6.3  | 105   | 0.00     |
| 32   | Caprolactam                 | 0.130 | 0.112 | 13.8  | 87    | 0.00     |
| 33 C | 4-Chloro-3-methylphenol     | 0.411 | 0.410 | 0.2   | 97    | 0.00     |
| 34   | 2-Methylnaphthalene         | 0.779 | 0.795 | -2.1  | 100   | 0.00     |
| 35 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 36   | 1,2,4,5-Tetrachlorobenzene  | 0.664 | 0.723 | -8.9  | 101   | 0.00     |
| 37   | Hexachlorocyclopentadiene   | 0.290 | 0.234 | 19.3  | 89    | 0.00     |
| 38 C | 2,4,6-Trichlorophenol       | 0.437 | 0.459 | -5.0  | 99    | 0.00     |
| 39   | 2,4,5-Trichlorophenol       | 0.452 | 0.471 | -4.2  | 96    | 0.00     |
| 40   | 1,1'-Biphenyl               | 1.564 | 1.643 | -5.1  | 96    | 0.00     |
| 41   | 2-Chloronaphthalene         | 1.189 | 1.267 | -6.6  | 98    | 0.00     |
| 42   | 2-Nitroaniline              | 0.493 | 0.481 | 2.4   | 89    | 0.00     |
| 43 S | Dimethylphthalate-d6        | 1.658 | 1.689 | -1.9  | 93    | 0.00     |
| 44   | Dimethylphthalate           | 1.658 | 1.699 | -2.5  | 94    | 0.00     |

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Instrument :  
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 LabSampleId :  
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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   | 2,6-Dinitrotoluene          | 0.354 | 0.353 | 0.3   | 93    | 0.00     |
| 46 S | Acenaphthylene-d8           | 1.878 | 1.953 | -4.0  | 95    | 0.00     |
| 47   | Acenaphthylene              | 1.956 | 2.096 | -7.2  | 97    | 0.00     |
| 48   | 3-Nitroaniline              | 0.333 | 0.340 | -2.1  | 92    | 0.00     |
| 49 C | Acenaphthene                | 1.310 | 1.385 | -5.7  | 99    | 0.00     |
| 50   | 2,4-Dinitrophenol           | 0.188 | 0.155 | 17.6  | 89    | 0.00     |
| 51 S | 4-Nitrophenol-d4            | 0.268 | 0.259 | 3.4   | 92    | 0.00     |
| 52   | 4-Nitrophenol               | 0.269 | 0.248 | 7.8   | 88    | 0.00     |
| 53   | Dibenzofuran                | 1.905 | 1.995 | -4.7  | 95    | 0.00     |
| 54   | 2,4-Dinitrotoluene          | 0.517 | 0.531 | -2.7  | 96    | 0.00     |
| 55   | 2,3,4,6-Tetrachlorophenol   | 0.417 | 0.423 | -1.4  | 93    | 0.00     |
| 56   | Diethylphthalate            | 1.694 | 1.735 | -2.4  | 93    | 0.00     |
| 57 S | Fluorene-d10                | 1.448 | 1.484 | -2.5  | 95    | 0.00     |
| 58   | Fluorene                    | 1.543 | 1.624 | -5.2  | 95    | 0.00     |
| 59   | 4-Chlorophenyl-phenylether  | 0.780 | 0.828 | -6.2  | 99    | 0.00     |
| 60   | 4-Nitroaniline              | 0.370 | 0.382 | -3.2  | 93    | 0.00     |
| 61 I | Phenanthrene-d10            | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 62 S | 4,6-Dinitro-2-methylphenol- | 0.127 | 0.127 | 0.0   | 94    | 0.00     |
| 63   | 4,6-Dinitro-2-methylphenol  | 0.132 | 0.133 | -0.8  | 96    | 0.00     |
| 64   | N-Nitrosodiphenylamine      | 0.592 | 0.607 | -2.5  | 92    | 0.00     |
| 65   | 4-Bromophenyl-phenylether   | 0.230 | 0.234 | -1.7  | 93    | 0.00     |
| 66   | Hexachlorobenzene           | 0.248 | 0.258 | -4.0  | 96    | 0.00     |
| 67   | Atrazine                    | 0.243 | 0.250 | -2.9  | 91    | 0.00     |
| 68 C | Pentachlorophenol           | 0.108 | 0.106 | 1.9   | 104   | 0.00     |
| 69   | Phenanthrene                | 1.059 | 1.110 | -4.8  | 93    | 0.00     |
| 70 S | Anthracene-d10              | 0.922 | 0.959 | -4.0  | 93    | 0.00     |
| 71   | Anthracene                  | 1.089 | 1.128 | -3.6  | 93    | 0.00     |
| 72   | Carbazole                   | 0.888 | 0.983 | -10.7 | 90    | 0.00     |
| 73   | Di-n-butylphthalate         | 1.202 | 1.244 | -3.5  | 91    | 0.00     |
| 74 C | Fluoranthene                | 1.128 | 1.329 | -17.8 | 93    | 0.00     |
| 75 I | Chrysene-d12                | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 76 S | Pyrene-d10                  | 0.960 | 0.990 | -3.1  | 94    | 0.00     |
| 77   | Pyrene                      | 1.182 | 1.231 | -4.1  | 93    | 0.00     |
| 78   | Butylbenzylphthalate        | 0.535 | 0.531 | 0.7   | 92    | 0.00     |
| 79   | 3,3'-Dichlorobenzidine      | 0.397 | 0.428 | -7.8  | 94    | 0.00     |
| 80   | Benzo(a)anthracene          | 1.156 | 1.202 | -4.0  | 96    | 0.00     |
| 81   | Bis(2-ethylhexyl)phthalate  | 0.719 | 0.709 | 1.4   | 91    | 0.00     |
| 82   | Chrysene                    | 1.041 | 1.083 | -4.0  | 96    | 0.00     |
| 83 I | Perylene-d12                | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 84   | Di-n-octyl phthalate        | 1.150 | 1.275 | -10.9 | 93    | 0.00     |
| 85   | Benzo(b)fluoranthene        | 1.163 | 1.205 | -3.6  | 96    | 0.00     |
| 86   | Benzo(k)fluoranthene        | 1.123 | 1.131 | -0.7  | 94    | 0.00     |
| 87 S | Benzo(a)pyrene-d12          | 0.916 | 0.959 | -4.7  | 99    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88 C | Benzo(a)pyrene         | 1.116 | 1.151 | -3.1 | 96    | 0.00     |
| 89   | Indeno(1,2,3-cd)pyrene | 1.312 | 1.328 | -1.2 | 95    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.125 | 1.132 | -0.6 | 94    | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 1.085 | 1.087 | -0.2 | 94    | 0.00     |

(#) = Out of Range

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