

Data Path : Z:\HPCHEM1\BNA G\Data\BG101316\  
 Data File : BG024315.D  
 Acq On : 13 Oct 2016 11:30  
 Operator : UM/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02022

Quant Time: Oct 13 16:04:56 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG0100716.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 13 01:34:23 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.456 | 0.437 | 4.2   | 89    | 0.00     |
| 3 S  | 1,4-Dioxane-d8              | 0.421 | 0.410 | 2.6   | 96    | 0.00     |
| 4    | Benzaldehyde                | 1.313 | 1.477 | -12.5 | 92    | 0.00     |
| 5 S  | Phenol-d5                   | 1.866 | 1.823 | 2.3   | 87    | 0.00     |
| 6    | Phenol                      | 1.894 | 1.954 | -3.2  | 92    | 0.00     |
| 7 S  | Bis-(2-Chloroethyl)ether-d8 | 1.261 | 1.216 | 3.6   | 88    | 0.00     |
| 8    | Bis(2-Chloroethyl)ether     | 1.394 | 1.422 | -2.0  | 89    | 0.00     |
| 9 S  | 2-Chlorophenol-d4           | 1.285 | 1.277 | 0.6   | 88    | 0.00     |
| 10   | 2-Chlorophenol              | 1.302 | 1.321 | -1.5  | 91    | 0.00     |
| 11   | 2-Methylphenol              | 1.403 | 1.418 | -1.1  | 92    | 0.00     |
| 12   | 2,2'-oxybis(1-Chloropropane | 2.784 | 2.752 | 1.1   | 86    | 0.00     |
| 13 S | 4-Methylphenol-d8           | 1.509 | 1.559 | -3.3  | 92    | 0.00     |
| 14   | Acetophenone                | 2.240 | 2.370 | -5.8  | 92    | 0.00     |
| 15 P | N-Nitroso-di-n-propylamine  | 1.351 | 1.368 | -1.3  | 89    | 0.00     |
| 16   | 4-Methylphenol              | 1.488 | 1.551 | -4.2  | 94    | 0.00     |
| 17   | Hexachloroethane            | 0.602 | 0.590 | 2.0   | 91    | 0.00     |
| 18 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 19 S | Nitrobenzene-d5             | 0.142 | 0.152 | -7.0  | 97    | 0.00     |
| 20   | Nitrobenzene                | 0.449 | 0.498 | -10.9 | 100   | 0.00     |
| 21   | Isophorone                  | 0.816 | 0.867 | -6.3  | 93    | 0.00     |
| 22 S | 2-Nitrophenol-d4            | 0.159 | 0.178 | -11.9 | 105   | 0.00     |
| 23 C | 2-Nitrophenol               | 0.173 | 0.184 | -6.4  | 96    | 0.00     |
| 24   | 2,4-Dimethylphenol          | 0.426 | 0.434 | -1.9  | 91    | 0.00     |
| 25   | Bis(2-Chloroethoxy)methane  | 0.448 | 0.465 | -3.8  | 91    | 0.00     |
| 26 S | 2,4-Dichlorophenol-d3       | 0.346 | 0.376 | -8.7  | 97    | 0.00     |
| 27 C | 2,4-Dichlorophenol          | 0.332 | 0.362 | -9.0  | 98    | 0.00     |
| 28   | Naphthalene                 | 0.963 | 1.015 | -5.4  | 96    | 0.00     |
| 29 S | 4-Chloroaniline-d4          | 0.363 | 0.419 | -15.4 | 100   | 0.00     |
| 30   | 4-Chloroaniline             | 0.369 | 0.411 | -11.4 | 97    | 0.00     |
| 31 C | Hexachlorobutadiene         | 0.266 | 0.294 | -10.5 | 99    | 0.00     |
| 32   | Caprolactam                 | 0.126 | 0.126 | 0.0   | 91    | 0.00     |
| 33 C | 4-Chloro-3-methylphenol     | 0.406 | 0.441 | -8.6  | 99    | 0.00     |
| 34   | 2-Methylnaphthalene         | 0.766 | 0.833 | -8.7  | 101   | 0.00     |
| 35 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 36   | 1,2,4,5-Tetrachlorobenzene  | 0.590 | 0.687 | -16.4 | 105   | 0.00     |
| 37   | Hexachlorocyclopentadiene   | 0.432 | 0.450 | -4.2  | 95    | 0.00     |
| 38 C | 2,4,6-Trichlorophenol       | 0.382 | 0.428 | -12.0 | 103   | 0.00     |
| 39   | 2,4,5-Trichlorophenol       | 0.420 | 0.469 | -11.7 | 102   | 0.00     |
| 40   | 1,1'-Biphenyl               | 1.295 | 1.390 | -7.3  | 96    | 0.00     |
| 41   | 2-Chloronaphthalene         | 1.015 | 1.129 | -11.2 | 101   | 0.00     |
| 42   | 2-Nitroaniline              | 0.386 | 0.447 | -15.8 | 103   | 0.00     |
| 43 S | Dimethylphthalate-d6        | 1.396 | 1.492 | -6.9  | 98    | 0.00     |
| 44   | Dimethylphthalate           | 1.369 | 1.453 | -6.1  | 95    | 0.00     |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 45   | 2,6-Dinitrotoluene          | 0.266 | 0.311 | -16.9 | 104   | 0.00     |
| 46 S | Acenaphthylene-d8           | 1.600 | 1.755 | -9.7  | 98    | 0.00     |
| 47   | Acenaphthylene              | 1.539 | 1.709 | -11.0 | 100   | 0.00     |
| 48   | 3-Nitroaniline              | 0.251 | 0.284 | -13.1 | 102   | 0.00     |
| 49 C | Acenaphthene                | 1.100 | 1.185 | -7.7  | 99    | 0.00     |
| 50   | 2,4-Dinitrophenol           | 0.178 | 0.197 | -10.7 | 107   | 0.00     |
| 51 S | 4-Nitrophenol-d4            | 0.248 | 0.254 | -2.4  | 94    | 0.00     |
| 52   | 4-Nitrophenol               | 0.300 | 0.323 | -7.7  | 96    | 0.00     |
| 53   | Dibenzofuran                | 1.619 | 1.787 | -10.4 | 99    | 0.00     |
| 54   | 2,4-Dinitrotoluene          | 0.394 | 0.451 | -14.5 | 102   | 0.00     |
| 55   | 2,3,4,6-Tetrachlorophenol   | 0.413 | 0.455 | -10.2 | 100   | 0.00     |
| 56   | Diethylphthalate            | 1.443 | 1.498 | -3.8  | 92    | 0.00     |
| 57 S | Fluorene-d10                | 1.320 | 1.440 | -9.1  | 96    | 0.00     |
| 58   | Fluorene                    | 1.339 | 1.441 | -7.6  | 96    | 0.00     |
| 59   | 4-Chlorophenyl-phenylether  | 0.743 | 0.790 | -6.3  | 96    | 0.00     |
| 60   | 4-Nitroaniline              | 0.289 | 0.291 | -0.7  | 92    | 0.00     |
| 61 I | Phenanthrene-d10            | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 62 S | 4,6-Dinitro-2-methylphenol- | 0.120 | 0.135 | -12.5 | 108   | 0.00     |
| 63   | 4,6-Dinitro-2-methylphenol  | 0.126 | 0.137 | -8.7  | 98    | 0.00     |
| 64   | N-Nitrosodiphenylamine      | 0.566 | 0.628 | -11.0 | 98    | 0.00     |
| 65   | 4-Bromophenyl-phenylether   | 0.232 | 0.255 | -9.9  | 101   | 0.00     |
| 66   | Hexachlorobenzene           | 0.258 | 0.292 | -13.2 | 102   | 0.00     |
| 67   | Atrazine                    | 0.231 | 0.262 | -13.4 | 101   | 0.00     |
| 68 C | Pentachlorophenol           | 0.157 | 0.169 | -7.6  | 97    | 0.00     |
| 69   | Phenanthrene                | 1.010 | 1.107 | -9.6  | 96    | 0.00     |
| 70 S | Anthracene-d10              | 0.903 | 0.980 | -8.5  | 95    | 0.00     |
| 71   | Anthracene                  | 1.028 | 1.127 | -9.6  | 96    | 0.00     |
| 72   | Carbazole                   | 0.807 | 0.949 | -17.6 | 94    | 0.00     |
| 73   | Di-n-butylphthalate         | 0.986 | 1.102 | -11.8 | 96    | 0.00     |
| 74 C | Fluoranthene                | 1.020 | 1.263 | -23.8 | 95    | 0.00     |
| 75 I | Chrysene-d12                | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 76 S | Pyrene-d10                  | 0.933 | 0.990 | -6.1  | 93    | 0.00     |
| 77   | Pyrene                      | 1.068 | 1.143 | -7.0  | 95    | 0.00     |
| 78   | Butylbenzylphthalate        | 0.429 | 0.440 | -2.6  | 93    | 0.00     |
| 79   | 3,3'-Dichlorobenzidine      | 0.372 | 0.417 | -12.1 | 98    | 0.00     |
| 80   | Benzo(a)anthracene          | 1.110 | 1.195 | -7.7  | 96    | 0.00     |
| 81   | Bis(2-ethylhexyl)phthalate  | 0.607 | 0.610 | -0.5  | 90    | 0.00     |
| 82   | Chrysene                    | 1.057 | 1.138 | -7.7  | 95    | 0.00     |
| 83 I | Perylene-d12                | 1.000 | 1.000 | 0.0   | 99    | 0.00     |
| 84   | Di-n-octyl phthalate        | 0.938 | 1.026 | -9.4  | 94    | 0.00     |
| 85   | Benzo(b)fluoranthene        | 1.110 | 1.148 | -3.4  | 97    | 0.00     |
| 86   | Benzo(k)fluoranthene        | 1.070 | 1.137 | -6.3  | 99    | 0.00     |
| 87 S | Benzo(a)pyrene-d12          | 0.900 | 0.959 | -6.6  | 99    | 0.00     |

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|      | Compound               | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|------------------------|-------|-------|-------|-------|----------|
| 88 C | Benzo(a)pyrene         | 1.058 | 1.141 | -7.8  | 100   | 0.00     |
| 89   | Indeno(1,2,3-cd)pyrene | 1.253 | 1.393 | -11.2 | 104   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.059 | 1.180 | -11.4 | 105   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.053 | 1.136 | -7.9  | 102   | 0.00     |

(#) = Out of Range

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