

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG040215\  
 Data File : BG016222.D  
 Acq On : 2 Apr 2015 13:11  
 Operator : TP/IZ  
 Sample : SSTD02047  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02047

Quant Time: Apr 03 05:35:41 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM01.2-EPA-BG033115.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 03 05:14:56 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  | 113   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.549 | 0.486 | 11.5 | 103   | 0.00     |
| 3 S  | 1,4-Dioxane-d8              | 0.459 | 0.426 | 7.2  | 105   | 0.00     |
| 4    | Benzaldehyde                | 1.073 | 1.154 | -7.5 | 110   | 0.00     |
| 5 S  | Phenol-d5                   | 1.833 | 1.796 | 2.0  | 109   | 0.00     |
| 6    | Phenol                      | 1.992 | 1.938 | 2.7  | 107   | 0.00     |
| 7 S  | Bis-(2-Chloroethyl)ether-d8 | 1.060 | 1.051 | 0.8  | 111   | 0.00     |
| 8    | Bis(2-Chloroethyl)ether     | 1.528 | 1.512 | 1.0  | 109   | 0.00     |
| 9 S  | 2-Chlorophenol-d4           | 1.440 | 1.435 | 0.3  | 111   | 0.00     |
| 10   | 2-Chlorophenol              | 1.508 | 1.494 | 0.9  | 110   | 0.00     |
| 11   | 2-Methylphenol              | 1.485 | 1.434 | 3.4  | 108   | 0.00     |
| 12   | 2,2'-oxybis(1-Chloropropane | 2.228 | 2.209 | 0.9  | 110   | 0.00     |
| 13 S | 4-Methylphenol-d8           | 1.428 | 1.405 | 1.6  | 109   | 0.00     |
| 14   | Acetophenone                | 2.156 | 2.072 | 3.9  | 107   | 0.00     |
| 15 P | N-Nitroso-di-n-propylamine  | 1.286 | 1.217 | 5.4  | 106   | 0.00     |
| 16   | 4-Methylphenol              | 1.621 | 1.580 | 2.5  | 108   | 0.00     |
| 17   | Hexachloroethane            | 0.609 | 0.626 | -2.8 | 116   | 0.00     |
| 18 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 109   | 0.00     |
| 19 S | Nitrobenzene-d5             | 0.168 | 0.170 | -1.2 | 108   | 0.00     |
| 20   | Nitrobenzene                | 0.400 | 0.402 | -0.5 | 108   | 0.00     |
| 21   | Isophorone                  | 0.767 | 0.750 | 2.2  | 106   | 0.00     |
| 22 S | 2-Nitrophenol-d4            | 0.187 | 0.190 | -1.6 | 109   | 0.00     |
| 23 C | 2-Nitrophenol               | 0.202 | 0.209 | -3.5 | 111   | 0.00     |
| 24   | 2,4-Dimethylphenol          | 0.377 | 0.378 | -0.3 | 107   | 0.00     |
| 25   | Bis(2-Chloroethoxy)methane  | 0.444 | 0.440 | 0.9  | 107   | 0.00     |
| 26 S | 2,4-Dichlorophenol-d3       | 0.305 | 0.314 | -3.0 | 111   | 0.00     |
| 27 C | 2,4-Dichlorophenol          | 0.304 | 0.308 | -1.3 | 108   | 0.00     |
| 28   | Naphthalene                 | 1.075 | 1.093 | -1.7 | 109   | 0.00     |
| 29 S | 4-Chloroaniline-d4          | 0.410 | 0.434 | -5.9 | 105   | 0.00     |
| 30   | 4-Chloroaniline             | 0.414 | 0.444 | -7.2 | 107   | 0.00     |
| 31 C | Hexachlorobutadiene         | 0.165 | 0.173 | -4.8 | 115   | 0.00     |
| 32   | Caprolactam                 | 0.146 | 0.137 | 6.2  | 103   | 0.00     |
| 33 C | 4-Chloro-3-methylphenol     | 0.352 | 0.341 | 3.1  | 106   | 0.00     |
| 34   | 2-Methylnaphthalene         | 0.761 | 0.769 | -1.1 | 109   | 0.00     |
| 35 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 106   | 0.00     |
| 36   | 1,2,4,5-Tetrachlorobenzene  | 0.537 | 0.554 | -3.2 | 109   | 0.00     |
| 37   | Hexachlorocyclopentadiene   | 0.309 | 0.275 | 11.0 | 91    | 0.00     |
| 38 C | 2,4,6-Trichlorophenol       | 0.373 | 0.382 | -2.4 | 107   | 0.00     |
| 39   | 2,4,5-Trichlorophenol       | 0.408 | 0.415 | -1.7 | 108   | 0.00     |
| 40   | 1,1'-Biphenyl               | 1.598 | 1.613 | -0.9 | 107   | 0.00     |
| 41   | 2-Chloronaphthalene         | 1.198 | 1.213 | -1.3 | 107   | 0.00     |
| 42   | 2-Nitroaniline              | 0.409 | 0.406 | 0.7  | 105   | 0.00     |
| 43 S | Dimethylphthalate-d6        | 1.322 | 1.294 | 2.1  | 103   | 0.00     |
| 44   | Dimethylphthalate           | 1.486 | 1.438 | 3.2  | 103   | 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                    | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|-----------------------------|-------|-------|------|-------|----------|
| 45   | 2,6-Dinitrotoluene          | 0.343 | 0.345 | -0.6 | 106   | 0.00     |
| 46 S | Acenaphthylene-d8           | 1.860 | 1.852 | 0.4  | 106   | 0.00     |
| 47   | Acenaphthylene              | 2.056 | 2.059 | -0.1 | 106   | 0.00     |
| 48   | 3-Nitroaniline              | 0.385 | 0.400 | -3.9 | 106   | 0.00     |
| 49 C | Acenaphthene                | 1.395 | 1.380 | 1.1  | 106   | 0.00     |
| 50   | 2,4-Dinitrophenol           | 0.204 | 0.206 | -1.0 | 108   | 0.00     |
| 51 S | 4-Nitrophenol-d4            | 0.333 | 0.327 | 1.8  | 104   | 0.00     |
| 52   | 4-Nitrophenol               | 0.221 | 0.221 | 0.0  | 109   | 0.00     |
| 53   | Dibenzofuran                | 1.812 | 1.807 | 0.3  | 107   | 0.00     |
| 54   | 2,4-Dinitrotoluene          | 0.491 | 0.487 | 0.8  | 105   | 0.00     |
| 55   | 2,3,4,6-Tetrachlorophenol   | 0.354 | 0.363 | -2.5 | 110   | 0.00     |
| 56   | Diethylphthalate            | 1.536 | 1.497 | 2.5  | 104   | 0.00     |
| 57 S | Fluorene-d10                | 1.294 | 1.274 | 1.5  | 105   | 0.00     |
| 58   | Fluorene                    | 1.588 | 1.572 | 1.0  | 106   | 0.00     |
| 59   | 4-Chlorophenyl-phenylether  | 0.703 | 0.704 | -0.1 | 108   | 0.00     |
| 60   | 4-Nitroaniline              | 0.429 | 0.434 | -1.2 | 105   | 0.00     |
| 61 I | Phenanthrene-d10            | 1.000 | 1.000 | 0.0  | 105   | 0.00     |
| 62 S | 4,6-Dinitro-2-methylphenol- | 0.137 | 0.139 | -1.5 | 104   | 0.00     |
| 63   | 4,6-Dinitro-2-methylphenol  | 0.148 | 0.149 | -0.7 | 105   | 0.00     |
| 64   | N-Nitrosodiphenylamine      | 0.655 | 0.658 | -0.5 | 104   | 0.00     |
| 65   | 4-Bromophenyl-phenylether   | 0.211 | 0.218 | -3.3 | 108   | 0.00     |
| 66   | Hexachlorobenzene           | 0.239 | 0.245 | -2.5 | 106   | 0.00     |
| 67   | Atrazine                    | 0.224 | 0.227 | -1.3 | 104   | 0.00     |
| 68 C | Pentachlorophenol           | 0.149 | 0.155 | -4.0 | 109   | 0.00     |
| 69   | Phenanthrene                | 1.135 | 1.147 | -1.1 | 104   | 0.00     |
| 70 S | Anthracene-d10              | 0.919 | 0.921 | -0.2 | 104   | 0.00     |
| 71   | Anthracene                  | 1.161 | 1.171 | -0.9 | 103   | 0.00     |
| 72   | Carbazole                   | 1.120 | 1.119 | 0.1  | 102   | 0.00     |
| 73   | Di-n-butylphthalate         | 1.341 | 1.377 | -2.7 | 104   | 0.00     |
| 74 C | Fluoranthene                | 1.262 | 1.264 | -0.2 | 103   | 0.00     |
| 75 I | Chrysene-d12                | 1.000 | 1.000 | 0.0  | 100   | 0.00     |
| 76 S | Pyrene-d10                  | 0.909 | 0.924 | -1.7 | 101   | 0.00     |
| 77   | Pyrene                      | 1.241 | 1.268 | -2.2 | 101   | 0.00     |
| 78   | Butylbenzylphthalate        | 0.585 | 0.622 | -6.3 | 103   | 0.00     |
| 79   | 3,3'-Dichlorobenzidine      | 0.387 | 0.423 | -9.3 | 99    | 0.00     |
| 80   | Benzo(a)anthracene          | 1.158 | 1.186 | -2.4 | 100   | 0.00     |
| 81   | Bis(2-ethylhexyl)phthalate  | 0.787 | 0.863 | -9.7 | 105   | 0.00     |
| 82   | Chrysene                    | 1.075 | 1.095 | -1.9 | 99    | 0.00     |
| 83 I | Perylene-d12                | 1.000 | 1.000 | 0.0  | 102   | -0.01    |
| 84   | Di-n-octyl phthalate        | 1.381 | 1.482 | -7.3 | 107   | 0.00     |
| 85   | Benzo(b)fluoranthene        | 1.194 | 1.194 | 0.0  | 103   | -0.01    |
| 86   | Benzo(k)fluoranthene        | 1.151 | 1.165 | -1.2 | 101   | -0.01    |
| 87 S | Benzo(a)pyrene-d12          | 0.902 | 0.909 | -0.8 | 102   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88 C | Benzo(a)pyrene         | 1.139 | 1.157 | -1.6 | 104   | -0.01    |
| 89   | Indeno(1,2,3-cd)pyrene | 1.331 | 1.370 | -2.9 | 105   | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 1.109 | 1.149 | -3.6 | 106   | -0.02    |
| 91   | Benzo(g,h,i)perylene   | 1.088 | 1.136 | -4.4 | 107   | -0.02    |

(#) = Out of Range

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