

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA\_G\Data\BG012218\  
 Data File : BG032223.D  
 Acq On : 22 Jan 2018 22:38  
 Operator : SJ/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02083

Quant Time: Jan 23 07:04:37 2018  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG012218.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 22 17:12:25 2018  
 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                    | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|--------|--------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0    | 91    | 0.00     |
| 2    | 1,4-Dioxane                 | 8.000  | 7.286  | 8.9    | 86    | 0.00     |
| 3 S  | 1,4-Dioxane-d8              | 8.000  | 7.634  | 4.6    | 80    | 0.00     |
| 4    | Benzaldehyde                | 20.000 | 25.076 | -25.4# | 90    | 0.00     |
| 5 S  | Phenol-d5                   | 20.000 | 20.680 | -3.4   | 93    | 0.00     |
| 6    | Phenol                      | 20.000 | 20.585 | -2.9   | 89    | 0.00     |
| 7 S  | Bis-(2-Chloroethyl)ether-d8 | 20.000 | 20.068 | -0.3   | 87    | 0.00     |
| 8    | Bis(2-Chloroethyl)ether     | 20.000 | 21.259 | -6.3   | 95    | 0.00     |
| 9 S  | 2-Chlorophenol-d4           | 20.000 | 21.062 | -5.3   | 93    | 0.00     |
| 10   | 2-Chlorophenol              | 20.000 | 20.646 | -3.2   | 93    | 0.00     |
| 11   | 2-Methylphenol              | 20.000 | 20.545 | -2.7   | 93    | 0.00     |
| 12   | 2,2'-oxybis(1-Chloropropane | 20.000 | 20.342 | -1.7   | 89    | 0.00     |
| 13 S | 4-Methylphenol-d8           | 20.000 | 20.494 | -2.5   | 92    | 0.00     |
| 14   | Acetophenone                | 20.000 | 20.863 | -4.3   | 92    | 0.00     |
| 15 P | N-Nitroso-di-n-propylamine  | 20.000 | 20.377 | -1.9   | 90    | 0.00     |
| 16   | 4-Methylphenol              | 20.000 | 20.809 | -4.0   | 92    | 0.00     |
| 17   | Hexachloroethane            | 20.000 | 20.222 | -1.1   | 93    | 0.00     |
| 18 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 92    | 0.00     |
| 19 S | Nitrobenzene-d5             | 20.000 | 19.095 | 4.5    | 90    | 0.00     |
| 20   | Nitrobenzene                | 20.000 | 19.954 | 0.2    | 94    | 0.00     |
| 21   | Isophorone                  | 20.000 | 19.909 | 0.5    | 90    | 0.00     |
| 22 S | 2-Nitrophenol-d4            | 20.000 | 21.061 | -5.3   | 95    | 0.00     |
| 23 C | 2-Nitrophenol               | 20.000 | 20.714 | -3.6   | 93    | 0.00     |
| 24   | 2,4-Dimethylphenol          | 20.000 | 19.795 | 1.0    | 91    | 0.00     |
| 25   | Bis(2-Chloroethoxy)methane  | 20.000 | 19.576 | 2.1    | 92    | 0.00     |
| 26 S | 2,4-Dichlorophenol-d3       | 20.000 | 20.255 | -1.3   | 94    | 0.00     |
| 27 C | 2,4-Dichlorophenol          | 20.000 | 19.826 | 0.9    | 90    | 0.00     |
| 28   | Naphthalene                 | 20.000 | 20.454 | -2.3   | 95    | 0.00     |
| 29 S | 4-Chloroaniline-d4          | 20.000 | 23.480 | -17.4  | 88    | 0.00     |
| 30   | 4-Chloroaniline             | 20.000 | 24.595 | -23.0# | 92    | 0.00     |
| 31 C | Hexachlorobutadiene         | 20.000 | 19.862 | 0.7    | 92    | 0.00     |
| 32   | Caprolactam                 | 20.000 | 21.689 | -8.4   | 101   | 0.00     |
| 33 C | 4-Chloro-3-methylphenol     | 20.000 | 20.528 | -2.6   | 95    | 0.00     |
| 34   | 2-Methylnaphthalene         | 20.000 | 20.438 | -2.2   | 94    | 0.00     |
| 35 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 96    | 0.00     |
| 36   | 1,2,4,5-Tetrachlorobenzene  | 20.000 | 19.923 | 0.4    | 95    | 0.00     |
| 37   | Hexachlorocyclopentadiene   | 20.000 | 17.137 | 14.3   | 92    | 0.00     |
| 38 C | 2,4,6-Trichlorophenol       | 20.000 | 19.794 | 1.0    | 95    | 0.00     |
| 39   | 2,4,5-Trichlorophenol       | 20.000 | 20.120 | -0.6   | 96    | 0.00     |
| 40   | 1,1'-Biphenyl               | 20.000 | 19.701 | 1.5    | 94    | 0.00     |
| 41   | 2-Chloronaphthalene         | 20.000 | 19.797 | 1.0    | 94    | 0.00     |
| 42   | 2-Nitroaniline              | 20.000 | 20.122 | -0.6   | 95    | 0.00     |
| 43 S | Dimethylphthalate-d6        | 20.000 | 19.824 | 0.9    | 94    | 0.00     |
| 44   | Dimethylphthalate           | 20.000 | 20.246 | -1.2   | 95    | 0.00     |

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|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 45   | 2,6-Dinitrotoluene          | 20.000 | 21.297 | -6.5  | 99    | 0.00     |
| 46 S | Acenaphthylene-d8           | 20.000 | 20.002 | -0.0  | 94    | 0.00     |
| 47   | Acenaphthylene              | 20.000 | 20.058 | -0.3  | 97    | 0.00     |
| 48   | 3-Nitroaniline              | 20.000 | 21.656 | -8.3  | 96    | 0.00     |
| 49 C | Acenaphthene                | 20.000 | 20.081 | -0.4  | 95    | 0.00     |
| 50   | 2,4-Dinitrophenol           | 20.000 | 14.291 | 28.5# | 100   | 0.00     |
| 51 S | 4-Nitrophenol-d4            | 20.000 | 19.263 | 3.7   | 94    | 0.00     |
| 52   | 4-Nitrophenol               | 20.000 | 19.593 | 2.0   | 94    | 0.00     |
| 53   | Dibenzofuran                | 20.000 | 19.965 | 0.2   | 95    | 0.00     |
| 54   | 2,4-Dinitrotoluene          | 20.000 | 20.227 | -1.1  | 95    | 0.00     |
| 55   | 2,3,4,6-Tetrachlorophenol   | 20.000 | 20.444 | -2.2  | 94    | 0.00     |
| 56   | Diethylphthalate            | 20.000 | 20.272 | -1.4  | 95    | 0.00     |
| 57 S | Fluorene-d10                | 20.000 | 20.442 | -2.2  | 97    | 0.00     |
| 58   | Fluorene                    | 20.000 | 20.285 | -1.4  | 95    | 0.00     |
| 59   | 4-Chlorophenyl-phenylether  | 20.000 | 20.224 | -1.1  | 96    | 0.00     |
| 60   | 4-Nitroaniline              | 20.000 | 20.811 | -4.1  | 99    | 0.00     |
| 61 I | Phenanthrene-d10            | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 62 S | 4,6-Dinitro-2-methylphenol- | 20.000 | 20.201 | -1.0  | 109   | 0.00     |
| 63   | 4,6-Dinitro-2-methylphenol  | 20.000 | 19.600 | 2.0   | 103   | 0.00     |
| 64   | N-Nitrosodiphenylamine      | 20.000 | 19.831 | 0.8   | 97    | 0.00     |
| 65   | 4-Bromophenyl-phenylether   | 20.000 | 19.500 | 2.5   | 94    | 0.00     |
| 66   | Hexachlorobenzene           | 20.000 | 19.207 | 4.0   | 94    | 0.00     |
| 67   | Atrazine                    | 20.000 | 20.093 | -0.5  | 93    | 0.00     |
| 68 C | Pentachlorophenol           | 20.000 | 17.677 | 11.6  | 92    | 0.00     |
| 69   | Phenanthrene                | 20.000 | 20.070 | -0.4  | 96    | 0.00     |
| 70 S | Anthracene-d10              | 20.000 | 20.103 | -0.5  | 97    | 0.00     |
| 71   | Anthracene                  | 20.000 | 20.150 | -0.7  | 96    | 0.00     |
| 72   | 1,2,3,4-Tetrachlorobenzene  | 20.000 | 19.396 | 3.0   | 94    | 0.00     |
| 73   | Pentachlorobenzene          | 20.000 | 19.212 | 3.9   | 94    | 0.00     |
| 74   | Carbazole                   | 20.000 | 20.780 | -3.9  | 98    | 0.00     |
| 75   | Di-n-butylphthalate         | 20.000 | 20.305 | -1.5  | 96    | 0.00     |
| 76 C | Fluoranthene                | 20.000 | 21.847 | -9.2  | 98    | 0.00     |
| 77 I | Chrysene-d12                | 20.000 | 20.000 | 0.0   | 99    | 0.00     |
| 78 S | Pyrene-d10                  | 20.000 | 19.879 | 0.6   | 97    | 0.00     |
| 79   | Pyrene                      | 20.000 | 19.838 | 0.8   | 96    | 0.00     |
| 80   | Butylbenzylphthalate        | 20.000 | 19.723 | 1.4   | 97    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine      | 20.000 | 20.425 | -2.1  | 99    | 0.00     |
| 82   | Benzo(a)anthracene          | 20.000 | 20.182 | -0.9  | 99    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate  | 20.000 | 19.869 | 0.7   | 98    | 0.00     |
| 84   | Chrysene                    | 20.000 | 20.168 | -0.8  | 99    | 0.00     |
| 85 I | Perylene-d12                | 20.000 | 20.000 | 0.0   | 100   | 0.00     |
| 86   | Di-n-octyl phthalate        | 20.000 | 19.892 | 0.5   | 97    | 0.00     |
| 87   | Benzo(b)fluoranthene        | 20.000 | 19.923 | 0.4   | 98    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 20.000 | 19.858 | 0.7  | 98    | 0.00     |
| 89 S | Benzo(a)pyrene-d12     | 20.000 | 19.551 | 2.2  | 97    | -0.01    |
| 90 C | Benzo(a)pyrene         | 20.000 | 19.564 | 2.2  | 98    | 0.00     |
| 91   | Indeno(1,2,3-cd)pyrene | 20.000 | 19.158 | 4.2  | 95    | 0.00     |
| 92   | Dibenzo(a,h)anthracene | 20.000 | 17.572 | 12.1 | 86    | -0.02    |
| 93   | Benzo(g,h,i)perylene   | 20.000 | 19.860 | 0.7  | 103   | -0.02    |

(#) = Out of Range

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