

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG021915\  
 Data File : BG016015.D  
 Acq On : 19 Feb 2015 22:51  
 Operator : TP/IZ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 20 06:19:12 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM01.2-EPA-MA-BG021915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 20 05:38:39 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 93416    | 20.00 | ng/ul | 0.00     |
| 16) Naphthalene-d8        | 10.60 | 136  | 420381   | 20.00 | ng/ul | 0.00     |
| 33) Acenaphthene-d10      | 14.44 | 164  | 251062   | 20.00 | ng/ul | 0.00     |
| 59) Phenanthrene-d10      | 17.18 | 188  | 530717   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.35 | 240  | 579247   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.65 | 264  | 558998   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) Phenol-d5                   | 6.97  | 99  | 173058 | 19.47 | ng/ul | 0.00 |
| 5) Bis-(2-Chloroethyl)ether-d  | 7.15  | 67  | 101870 | 19.41 | ng/ul | 0.00 |
| 7) 2-Chlorophenol-d4           | 7.35  | 132 | 130705 | 19.88 | ng/ul | 0.00 |
| 11) 4-Methylphenol-d8          | 8.51  | 113 | 129795 | 19.73 | ng/ul | 0.00 |
| 17) Nitrobenzene-d5            | 8.97  | 128 | 59248  | 19.94 | ng/ul | 0.00 |
| 20) 2-Nitrophenol-d4           | 9.68  | 143 | 54241  | 19.79 | ng/ul | 0.00 |
| 24) 2,4-Dichlorophenol-d3      | 10.22 | 165 | 116159 | 19.54 | ng/ul | 0.00 |
| 27) 4-Chloroaniline-d4         | 10.73 | 131 | 131890 | 20.14 | ng/ul | 0.00 |
| 41) Dimethylphthalate-d6       | 13.85 | 166 | 333085 | 19.84 | ng/ul | 0.00 |
| 44) Acenaphthylene-d8          | 14.13 | 160 | 465258 | 19.59 | ng/ul | 0.00 |
| 49) 4-Nitrophenol-d4           | 14.62 | 143 | 66730  | 19.77 | ng/ul | 0.00 |
| 55) Fluorene-d10               | 15.43 | 176 | 328730 | 19.48 | ng/ul | 0.00 |
| 60) 4,6-Dinitro-2-methylphenol | 15.54 | 200 | 37382  | 18.27 | ng/ul | 0.00 |
| 68) Anthracene-d10             | 17.28 | 188 | 494224 | 19.63 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.56 | 212 | 534751 | 19.65 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.51 | 264 | 487210 | 19.22 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) Benzaldehyde                | 6.96  | 77  | 111163 | 19.79 | ng/ul | 99     |
| 4) Phenol                      | 7.00  | 94  | 184309 | 19.67 | ng/ul | 99     |
| 6) Bis(2-Chloroethyl)ether     | 7.24  | 93  | 145576 | 19.77 | ng/ul | 99     |
| 8) 2-Chlorophenol              | 7.37  | 128 | 131558 | 19.92 | ng/ul | 97     |
| 9) 2-Methylphenol              | 8.24  | 108 | 128626 | 19.30 | ng/ul | 100    |
| 10) 2,2'-oxybis(1-Chloropropan | 8.35  | 45  | 179435 | 19.16 | ng/ul | 99     |
| 12) Acetophenone               | 8.63  | 105 | 194727 | 19.54 | ng/ul | 98     |
| 13) N-Nitroso-di-n-propylamine | 8.61  | 70  | 108525 | 19.33 | ng/ul | 98     |
| 14) 4-Methylphenol             | 8.57  | 108 | 145772 | 19.77 | ng/ul | 98     |
| 15) Hexachloroethane           | 8.89  | 117 | 50801  | 19.39 | ng/ul | 98     |
| 18) Nitrobenzene               | 9.01  | 77  | 142583 | 20.51 | ng/ul | 97     |
| 19) Isophorone                 | 9.52  | 82  | 288773 | 19.07 | ng/ul | 100    |
| 21) 2-Nitrophenol              | 9.71  | 139 | 62722  | 20.31 | ng/ul | 96     |
| 22) 2,4-Dimethylphenol         | 9.77  | 107 | 143810 | 19.37 | ng/ul | 99     |
| 23) Bis(2-Chloroethoxy)methane | 10.01 | 93  | 182366 | 19.32 | ng/ul | 98     |
| 25) 2,4-Dichlorophenol         | 10.24 | 162 | 114809 | 19.70 | ng/ul | 96     |
| 26) Naphthalene                | 10.65 | 128 | 436552 | 19.46 | ng/ul | 99     |
| 28) 4-Chloroaniline            | 10.76 | 127 | 128438 | 20.13 | ng/ul | 98     |
| 29) Hexachlorobutadiene        | 10.93 | 225 | 61989  | 19.00 | ng/ul | 99     |
| 30) Caprolactam                | 11.50 | 113 | 51949  | 19.21 | ng/ul | 99     |
| 31) 4-Chloro-3-methylphenol    | 11.87 | 107 | 128735 | 19.36 | ng/ul | 94     |
| 32) 2-Methylnaphthalene        | 12.26 | 142 | 306684 | 19.47 | ng/ul | 97     |
| 34) 1,2,4,5-Tetrachlorobenzene | 12.63 | 216 | 128627 | 19.06 | ng/ul | 100    |
| 35) Hexachlorocyclopentadiene  | 12.61 | 237 | 59135  | 19.79 | ng/ul | 96     |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG021915\  
 Data File : BG016015.D  
 Acq On : 19 Feb 2015 22:51  
 Operator : TP/IZ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 20 06:19:12 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM01.2-EPA-MA-BG021915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 20 05:38:39 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 36) 2,4,6-Trichlorophenol      | 12.87 | 196  | 74874    | 19.37 | ng/ul  | 98       |
| 37) 2,4,5-Trichlorophenol      | 12.93 | 196  | 84860    | 19.64 | ng/ul  | 96       |
| 38) 1,1'-Biphenyl              | 13.27 | 154  | 382043   | 19.67 | ng/ul  | 99       |
| 39) 2-Chloronaphthalene        | 13.31 | 162  | 284378   | 19.48 | ng/ul  | 99       |
| 40) 2-Nitroaniline             | 13.51 | 65   | 75153    | 20.24 | ng/ul  | 98       |
| 42) Dimethylphthalate          | 13.90 | 163  | 346222   | 19.79 | ng/ul  | 99       |
| 43) 2,6-Dinitrotoluene         | 14.01 | 165  | 60510    | 20.02 | ng/ul  | 93       |
| 45) Acenaphthylene             | 14.16 | 152  | 497795   | 19.77 | ng/ul  | 98       |
| 46) 3-Nitroaniline             | 14.34 | 138  | 69830    | 20.61 | ng/ul  | 96       |
| 47) Acenaphthene               | 14.50 | 153  | 327903   | 19.62 | ng/ul  | 99       |
| 48) 2,4-Dinitrophenol          | 14.54 | 184  | 17019    | 15.41 | ng/ul  | 96       |
| 50) 4-Nitrophenol              | 14.64 | 109  | 38914    | 19.95 | ng/ul  | 95       |
| 51) Dibenzofuran               | 14.83 | 168  | 439643   | 19.64 | ng/ul  | 100      |
| 52) 2,4-Dinitrotoluene         | 14.79 | 165  | 89149    | 20.60 | ng/ul  | 93       |
| 53) 2,3,4,6-Tetrachlorophenol  | 15.06 | 232  | 70612    | 20.32 | ng/ul  | 98       |
| 54) Diethylphthalate           | 15.26 | 149  | 357901   | 20.18 | ng/ul  | 98       |
| 56) Fluorene                   | 15.48 | 166  | 383596   | 19.65 | ng/ul  | 99       |
| 57) 4-Chlorophenyl-phenylether | 15.48 | 204  | 168513   | 19.12 | ng/ul  | 99       |
| 58) 4-Nitroaniline             | 15.50 | 138  | 97046    | 20.99 | ng/ul  | 97       |
| 61) 4,6-Dinitro-2-methylphenol | 15.55 | 198  | 39967    | 18.22 | ng/ul# | 89       |
| 62) N-Nitrosodiphenylamine     | 15.69 | 169  | 323606   | 19.52 | ng/ul  | 99       |
| 63) 4-Bromophenyl-phenylether  | 16.37 | 248  | 102720   | 18.86 | ng/ul  | 100      |
| 64) Hexachlorobenzene          | 16.48 | 284  | 118833   | 19.27 | ng/ul  | 97       |
| 65) Atrazine                   | 16.64 | 200  | 106664   | 19.97 | ng/ul  | 98       |
| 66) Pentachlorophenol          | 16.83 | 266  | 47603    | 18.33 | ng/ul  | 94       |
| 67) Phenanthrene               | 17.22 | 178  | 583873   | 19.78 | ng/ul  | 99       |
| 69) Anthracene                 | 17.31 | 178  | 601834   | 19.98 | ng/ul  | 99       |
| 70) 1,2,3,4-Tetrachlorobenzene | 13.24 | 216  | 127005   | 18.83 | ng/uL  | 97       |
| 71) Pentachlorobenzene         | 14.75 | 250  | 123968   | 18.75 | ng/uL  | 98       |
| 72) Carbazole                  | 17.58 | 167  | 571233   | 20.09 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.15 | 149  | 648855   | 21.36 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.23 | 202  | 668525   | 20.70 | ng/ul  | 100      |
| 77) Pyrene                     | 19.59 | 202  | 703564   | 19.97 | ng/ul  | 99       |
| 78) Butylbenzylphthalate       | 20.50 | 149  | 286739   | 20.78 | ng/ul  | 97       |
| 79) 3,3'-Dichlorobenzidine     | 21.27 | 252  | 148724   | 18.71 | ng/ul  | 98       |
| 80) Benzo(a)anthracene         | 21.33 | 228  | 643406   | 19.97 | ng/ul  | 100      |
| 81) Bis(2-ethylhexyl)phthalate | 21.27 | 149  | 378401   | 20.91 | ng/ul  | 100      |
| 82) Chrysene                   | 21.38 | 228  | 615161   | 20.04 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.17 | 149  | 621845   | 21.03 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 22.95 | 252  | 605962   | 19.44 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 23.00 | 252  | 619650   | 19.79 | ng/ul  | 99       |
| 88) Benzo(a)pyrene             | 23.55 | 252  | 607573   | 19.62 | ng/ul  | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.01 | 276  | 688332   | 19.11 | ng/ul  | 97       |
| 90) Dibenzo(a,h)anthracene     | 26.03 | 278  | 583345   | 19.37 | ng/ul  | 99       |
| 91) Benzo(g,h,i)perylene       | 26.73 | 276  | 577415   | 19.19 | ng/ul  | 99       |
| -----                          |       |      |          |       |        |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

