

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG071015\  
 Data File : BG017813.D  
 Acq On : 10 Jul 2015 16:43  
 Operator : TP/UM  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02045

Quant Time: Jul 10 23:34:00 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG070915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 10 23:32:40 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 56827    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.38 | 136  | 271314   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.25 | 164  | 170747   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.01 | 188  | 370866   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.20 | 240  | 399089   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.42 | 264  | 365343   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.12  | 96  | 12701  | 9.01  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.77  | 99  | 110085 | 20.25 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.94  | 67  | 68794  | 21.50 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 85036  | 19.38 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.30  | 113 | 87477  | 19.26 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.74  | 128 | 42645  | 18.71 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.46  | 143 | 41406  | 18.06 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.99  | 165 | 79034  | 19.68 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.52 | 131 | 129682 | 23.27 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.67 | 166 | 260298 | 20.04 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.94 | 160 | 318622 | 20.31 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.46 | 143 | 54557  | 19.70 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.25 | 176 | 232945 | 20.14 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.38 | 200 | 37930  | 16.94 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.10 | 188 | 352876 | 20.35 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.41 | 212 | 395942 | 20.58 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.28 | 264 | 375499 | 20.60 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.15  | 88  | 12512  | 8.40  | ng/uL | 98     |
| 4) Benzaldehyde                | 6.74  | 77  | 79637  | 24.20 | ng/ul | 97     |
| 6) Phenol                      | 6.79  | 94  | 119869 | 20.53 | ng/ul | 93     |
| 8) Bis(2-Chloroethyl)ether     | 7.03  | 93  | 87426  | 20.44 | ng/ul | 98     |
| 10) 2-Chlorophenol             | 7.16  | 128 | 86518  | 19.88 | ng/ul | 97     |
| 11) 2-Methylphenol             | 8.04  | 108 | 88850  | 20.02 | ng/ul | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.13  | 45  | 142240 | 22.20 | ng/ul | 98     |
| 14) Acetophenone               | 8.41  | 105 | 140673 | 21.09 | ng/ul | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.40  | 70  | 87068  | 21.04 | ng/ul | 98     |
| 16) 4-Methylphenol             | 8.37  | 108 | 99010  | 19.77 | ng/ul | 94     |
| 17) Hexachloroethane           | 8.67  | 117 | 36510  | 20.30 | ng/ul | 93     |
| 20) Nitrobenzene               | 8.78  | 77  | 112523 | 20.67 | ng/ul | 95     |
| 21) Isophorone                 | 9.31  | 82  | 229869 | 21.34 | ng/ul | 99     |
| 23) 2-Nitrophenol              | 9.49  | 139 | 45964  | 18.44 | ng/ul | 93     |
| 24) 2,4-Dimethylphenol         | 9.56  | 107 | 110794 | 21.07 | ng/ul | 94     |
| 25) Bis(2-Chloroethoxy)methane | 9.80  | 93  | 121168 | 21.04 | ng/ul | 97     |
| 27) 2,4-Dichlorophenol         | 10.02 | 162 | 79215  | 20.01 | ng/ul | 95     |
| 28) Naphthalene                | 10.42 | 128 | 294427 | 20.70 | ng/ul | 98     |
| 30) 4-Chloroaniline            | 10.54 | 127 | 128518 | 23.34 | ng/ul | 91     |
| 31) Hexachlorobutadiene        | 10.71 | 225 | 40845  | 19.11 | ng/ul | 97     |
| 32) Caprolactam                | 11.29 | 113 | 66137  | 20.93 | ng/ul | 97     |
| 33) 4-Chloro-3-methylphenol    | 11.67 | 107 | 104578 | 20.60 | ng/ul | 97     |
| 34) 2-Methylnaphthalene        | 12.05 | 142 | 209354 | 20.38 | ng/ul | 99     |

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 Data File : BG017813.D  
 Acq On : 10 Jul 2015 16:43  
 Operator : TP/UM  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SSTD02045

Quant Time: Jul 10 23:34:00 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG070915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 10 23:32:40 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.43 | 216  | 89200    | 20.22 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.41 | 237  | 46083    | 18.37 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.67 | 196  | 56542    | 18.51 | ng/ul  | 93       |
| 39) 2,4,5-Trichlorophenol      | 12.74 | 196  | 64733    | 19.41 | ng/ul  | 94       |
| 40) 1,1'-Biphenyl              | 13.08 | 154  | 262767   | 20.01 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.12 | 162  | 200493   | 20.14 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.32 | 65   | 73332    | 20.04 | ng/ul  | 85       |
| 44) Dimethylphthalate          | 13.72 | 163  | 271740   | 20.37 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.84 | 165  | 49948    | 17.99 | ng/ul# | 85       |
| 47) Acenaphthylene             | 13.97 | 152  | 351913   | 20.62 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.16 | 138  | 64721    | 21.31 | ng/ul  | 91       |
| 49) Acenaphthene               | 14.32 | 153  | 234570   | 20.59 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.37 | 184  | 24524    | 16.91 | ng/ul  | 89       |
| 52) 4-Nitrophenol              | 14.48 | 109  | 46951    | 21.01 | ng/ul  | 96       |
| 53) Dibenzofuran               | 14.65 | 168  | 312608   | 20.16 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.62 | 165  | 76135    | 19.49 | ng/ul  | 99       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.88 | 232  | 51693    | 18.41 | ng/ul  | 95       |
| 56) Diethylphthalate           | 15.09 | 149  | 298687   | 20.88 | ng/ul  | 98       |
| 58) Fluorene                   | 15.30 | 166  | 279181   | 20.27 | ng/ul  | 95       |
| 59) 4-Chlorophenyl-phenylether | 15.30 | 204  | 125214   | 19.76 | ng/ul  | 89       |
| 60) 4-Nitroaniline             | 15.33 | 138  | 75219    | 21.10 | ng/ul  | 97       |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 198  | 42300    | 17.78 | ng/ul  | 97       |
| 64) N-Nitrosodiphenylamine     | 15.52 | 169  | 233759   | 20.16 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.20 | 248  | 73519    | 19.83 | ng/ul  | 94       |
| 66) Hexachlorobenzene          | 16.31 | 284  | 77558    | 19.49 | ng/ul# | 88       |
| 67) Atrazine                   | 16.48 | 200  | 90869    | 21.20 | ng/ul  | 96       |
| 68) Pentachlorophenol          | 16.66 | 266  | 42300    | 17.13 | ng/ul  | 92       |
| 69) Phenanthrene               | 17.05 | 178  | 428984   | 20.68 | ng/ul  | 98       |
| 71) Anthracene                 | 17.14 | 178  | 444501   | 20.86 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.04 | 216  | 87084    | 19.52 | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 14.57 | 250  | 90057    | 19.58 | ng/uL  | 97       |
| 74) Carbazole                  | 17.41 | 167  | 428802   | 22.68 | ng/ul  | 100      |
| 75) Di-n-butylphthalate        | 17.99 | 149  | 561749   | 21.69 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.07 | 202  | 492485   | 23.18 | ng/ul  | 97       |
| 79) Pyrene                     | 19.44 | 202  | 514385   | 20.70 | ng/ul  | 97       |
| 80) Butylbenzylphthalate       | 20.36 | 149  | 235937   | 20.21 | ng/ul  | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.13 | 252  | 155919   | 21.95 | ng/ul  | 98       |
| 82) Benzo(a)anthracene         | 21.19 | 228  | 463113   | 20.54 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.14 | 149  | 325726   | 20.36 | ng/ul  | 99       |
| 84) Chrysene                   | 21.24 | 228  | 432227   | 20.44 | ng/ul  | 98       |
| 86) Di-n-octyl phthalate       | 22.01 | 149  | 539316   | 23.06 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.76 | 252  | 424372   | 20.09 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 22.80 | 252  | 431126   | 21.43 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.33 | 252  | 424450   | 20.90 | ng/ul  | 98       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.68 | 276  | 463028   | 20.27 | ng/ul  | 96       |
| 92) Dibenzo(a,h)anthracene     | 25.70 | 278  | 396779   | 20.25 | ng/ul  | 99       |
| 93) Benzo(g,h,i)perylene       | 26.37 | 276  | 385965   | 20.39 | ng/ul  | 97       |

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

