

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG012517\  
 Data File : BG025645.D  
 Acq On : 25 Jan 2017 22:17  
 Operator : SJ/MA  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02018

Quant Time: Jan 26 09:39:26 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 25 18:08:33 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 72164    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.00 | 136  | 336987   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.81 | 164  | 297431   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.55 | 188  | 687325   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.85 | 240  | 836195   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.23 | 264  | 845946   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.50  | 96  | 11702  | 8.11  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.33  | 99  | 129872 | 21.00 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.49  | 67  | 86391  | 21.63 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.70  | 132 | 92999  | 21.32 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.89  | 113 | 113144 | 21.52 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.36  | 128 | 49575  | 20.75 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.09 | 143 | 62097  | 21.79 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.63 | 165 | 117795 | 20.95 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.15 | 131 | 144784 | 23.04 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.20 | 166 | 429533 | 20.45 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.50 | 160 | 486788 | 21.46 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.04 | 143 | 53794  | 18.69 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.80 | 176 | 413325 | 20.88 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.94 | 200 | 85382  | 20.14 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.65 | 188 | 630857 | 21.56 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.93 | 212 | 756066 | 21.73 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.00 | 264 | 772418 | 21.72 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.54  | 88  | 12066  | 7.08  | ng/uL# | 83     |
| 4) Benzaldehyde                | 7.32  | 77  | 105680 | 24.81 | ng/ul  | 97     |
| 6) Phenol                      | 7.36  | 94  | 141751 | 21.81 | ng/ul# | 93     |
| 8) Bis(2-Chloroethyl)ether     | 7.59  | 93  | 105236 | 22.68 | ng/ul  | 99     |
| 10) 2-Chlorophenol             | 7.74  | 128 | 93321  | 21.60 | ng/ul  | 92     |
| 11) 2-Methylphenol             | 8.63  | 108 | 103503 | 21.38 | ng/ul  | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.70  | 45  | 201187 | 22.82 | ng/ul  | 98     |
| 14) Acetophenone               | 9.01  | 105 | 177070 | 21.56 | ng/ul  | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.97  | 70  | 109526 | 22.29 | ng/ul  | 92     |
| 16) 4-Methylphenol             | 8.96  | 108 | 115779 | 21.82 | ng/ul  | 93     |
| 17) Hexachloroethane           | 9.26  | 117 | 42565  | 21.16 | ng/ul  | 92     |
| 20) Nitrobenzene               | 9.41  | 77  | 161617 | 21.13 | ng/ul  | 92     |
| 21) Isophorone                 | 9.91  | 82  | 308088 | 21.45 | ng/ul# | 96     |
| 23) 2-Nitrophenol              | 10.13 | 139 | 64970  | 22.32 | ng/ul  | 89     |
| 24) 2,4-Dimethylphenol         | 10.17 | 107 | 148795 | 21.20 | ng/ul  | 98     |
| 25) Bis(2-Chloroethoxy)methane | 10.40 | 93  | 159872 | 22.06 | ng/ul# | 90     |
| 27) 2,4-Dichlorophenol         | 10.66 | 162 | 118248 | 21.65 | ng/ul  | 96     |
| 28) Naphthalene                | 11.05 | 128 | 335772 | 21.58 | ng/ul  | 97     |
| 30) 4-Chloroaniline            | 11.17 | 127 | 149046 | 23.54 | ng/ul  | 90     |
| 31) Hexachlorobutadiene        | 11.31 | 225 | 96945  | 20.32 | ng/ul# | 91     |
| 32) Caprolactam                | 11.94 | 113 | 46717  | 20.35 | ng/ul# | 89     |
| 33) 4-Chloro-3-methylphenol    | 12.29 | 107 | 146292 | 22.06 | ng/ul  | 100    |
| 34) 2-Methylnaphthalene        | 12.65 | 142 | 273493 | 21.53 | ng/ul  | 98     |

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 Data File : BG025645.D  
 Acq On : 25 Jan 2017 22:17  
 Operator : SJ/MA  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02018

Quant Time: Jan 26 09:39:26 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG011817.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 25 18:08:33 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.01 | 216  | 189667   | 21.18 | ng/ul# | 95       |
| 37) Hexachlorocyclopentadiene  | 12.97 | 237  | 76937    | 21.76 | ng/ul  | 92       |
| 38) 2,4,6-Trichlorophenol      | 13.26 | 196  | 112767   | 20.80 | ng/ul  | 88       |
| 39) 2,4,5-Trichlorophenol      | 13.34 | 196  | 124675   | 21.93 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 13.64 | 154  | 386963   | 21.00 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.69 | 162  | 307622   | 21.51 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.91 | 65   | 136270   | 21.97 | ng/ul  | 95       |
| 44) Dimethylphthalate          | 14.25 | 163  | 425594   | 20.61 | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 14.39 | 165  | 93208    | 21.92 | ng/ul# | 88       |
| 47) Acenaphthylene             | 14.53 | 152  | 475680   | 21.53 | ng/ul  | 96       |
| 48) 3-Nitroaniline             | 14.73 | 138  | 81500    | 21.19 | ng/ul# | 79       |
| 49) Acenaphthene               | 14.87 | 153  | 339673   | 21.59 | ng/ul  | 95       |
| 50) 2,4-Dinitrophenol          | 14.96 | 184  | 51497    | 20.61 | ng/ul# | 85       |
| 52) 4-Nitrophenol              | 15.05 | 109  | 63389    | 15.90 | ng/ul# | 82       |
| 53) Dibenzofuran               | 15.20 | 168  | 518076   | 21.42 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 15.19 | 165  | 134289   | 20.71 | ng/ul# | 78       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.44 | 232  | 122886   | 20.43 | ng/ul# | 93       |
| 56) Diethylphthalate           | 15.60 | 149  | 449411   | 20.13 | ng/ul  | 99       |
| 58) Fluorene                   | 15.85 | 166  | 416903   | 21.11 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.83 | 204  | 227658   | 20.44 | ng/ul  | 91       |
| 60) 4-Nitroaniline             | 15.90 | 138  | 77680    | 20.86 | ng/ul  | 90       |
| 63) 4,6-Dinitro-2-methylphenol | 15.95 | 198  | 88960    | 20.35 | ng/ul# | 91       |
| 64) N-Nitrosodiphenylamine     | 16.05 | 169  | 388091   | 21.90 | ng/ul  | 96       |
| 65) 4-Bromophenyl-phenylether  | 16.72 | 248  | 167768   | 21.03 | ng/ul  | 92       |
| 66) Hexachlorobenzene          | 16.85 | 284  | 192729   | 21.26 | ng/ul  | 98       |
| 67) Atrazine                   | 16.99 | 200  | 175152   | 21.04 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 17.22 | 266  | 65004    | 17.24 | ng/ul# | 82       |
| 69) Phenanthrene               | 17.60 | 178  | 721424   | 21.59 | ng/ul  | 99       |
| 71) Anthracene                 | 17.69 | 178  | 737874   | 21.97 | ng/ul  | 99       |
| 72) Carbazole                  | 17.97 | 167  | 625541   | 22.46 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.47 | 149  | 785137   | 21.80 | ng/ul  | 100      |
| 74) Fluoranthene               | 19.60 | 202  | 906510   | 22.99 | ng/ul  | 100      |
| 77) Pyrene                     | 19.96 | 202  | 894864   | 21.76 | ng/ul  | 98       |
| 78) Butylbenzylphthalate       | 20.81 | 149  | 353485   | 22.10 | ng/ul  | 100      |
| 79) 3,3'-Dichlorobenzidine     | 21.73 | 252  | 353277   | 23.03 | ng/ul  | 95       |
| 80) Benzo(a)anthracene         | 21.82 | 228  | 950289   | 21.50 | ng/ul  | 100      |
| 81) Bis(2-ethylhexyl)phthalate | 21.66 | 149  | 495710   | 22.21 | ng/ul  | 99       |
| 82) Chrysene                   | 21.89 | 228  | 890389   | 21.43 | ng/ul  | 98       |
| 84) Di-n-octyl phthalate       | 22.92 | 149  | 868255   | 23.91 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.14 | 252  | 939211   | 21.45 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 24.21 | 252  | 921848   | 22.45 | ng/ul  | 99       |
| 88) Benzo(a)pyrene             | 25.07 | 252  | 909109   | 21.95 | ng/ul  | 100      |
| 89) Indeno(1,2,3-cd)pyrene     | 29.13 | 276  | 1130170  | 21.55 | ng/ul  | 97       |
| 90) Dibenzo(a,h)anthracene     | 29.18 | 278  | 942253   | 21.57 | ng/ul  | 96       |
| 91) Benzo(g,h,i)perylene       | 30.37 | 276  | 911583   | 21.16 | ng/ul  | 96       |

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

