

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082217\  
 Data File : BG028442.D  
 Acq On : 23 Aug 2017 7:16  
 Operator : SJ/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02080

Quant Time: Aug 23 09:20:29 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 23 07:06:03 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.35  | 152  | 42555    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.17 | 136  | 206326   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.96 | 164  | 148940   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.71 | 188  | 340563   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 22.04 | 240  | 378234   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.54 | 264  | 371881   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.83  | 96  | 6294   | 6.89  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.50  | 99  | 83631  | 17.89 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.66  | 67  | 50305  | 17.00 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.88  | 132 | 60719  | 20.59 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.05  | 113 | 74302  | 19.02 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.52  | 128 | 31758  | 19.68 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.24 | 143 | 39373  | 22.26 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.78 | 165 | 77580  | 21.20 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.30 | 131 | 88013  | 21.60 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.35 | 166 | 245357 | 18.52 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.65 | 160 | 292075 | 19.56 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.16 | 143 | 32899  | 15.62 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.94 | 176 | 219074 | 18.43 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.07 | 200 | 39641  | 17.92 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.81 | 188 | 323768 | 19.83 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.08 | 212 | 350901 | 18.09 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.30 | 264 | 341545 | 19.62 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.86  | 88  | 7176   | 7.476  | ng/uL# 80 |
| 4) Benzaldehyde                | 7.48  | 77  | 51611  | 19.108 | ng/ul 96  |
| 6) Phenol                      | 7.53  | 94  | 87725  | 18.887 | ng/ul 89  |
| 8) Bis(2-Chloroethyl)ether     | 7.75  | 93  | 57097  | 18.045 | ng/ul 95  |
| 10) 2-Chlorophenol             | 7.91  | 128 | 58433  | 20.338 | ng/ul 91  |
| 11) 2-Methylphenol             | 8.78  | 108 | 60877  | 18.568 | ng/ul 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.86  | 45  | 116978 | 15.230 | ng/ul# 94 |
| 14) Acetophenone               | 9.16  | 105 | 101534 | 18.226 | ng/ul# 87 |
| 15) N-Nitroso-di-n-propylamine | 9.14  | 70  | 58135  | 18.361 | ng/ul# 92 |
| 16) 4-Methylphenol             | 9.11  | 108 | 69666  | 18.818 | ng/ul 97  |
| 17) Hexachloroethane           | 9.43  | 117 | 24262  | 20.378 | ng/ul 96  |
| 20) Nitrobenzene               | 9.56  | 77  | 85909  | 18.394 | ng/ul 99  |
| 21) Isophorone                 | 10.07 | 82  | 159022 | 17.922 | ng/ul 99  |
| 23) 2-Nitrophenol              | 10.27 | 139 | 37518  | 21.009 | ng/ul# 82 |
| 24) 2,4-Dimethylphenol         | 10.31 | 107 | 86346  | 19.453 | ng/ul 93  |
| 25) Bis(2-Chloroethoxy)methane | 10.55 | 93  | 86966  | 17.994 | ng/ul 96  |
| 27) 2,4-Dichlorophenol         | 10.81 | 162 | 68979  | 20.704 | ng/ul 97  |
| 28) Naphthalene                | 11.21 | 128 | 204121 | 19.975 | ng/ul 96  |
| 30) 4-Chloroaniline            | 11.32 | 127 | 82130  | 20.797 | ng/ul 95  |
| 31) Hexachlorobutadiene        | 11.48 | 225 | 52601  | 21.389 | ng/ul 94  |
| 32) Caprolactam                | 12.08 | 113 | 24364  | 17.586 | ng/ul 81  |
| 33) 4-Chloro-3-methylphenol    | 12.42 | 107 | 85644  | 20.139 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.79 | 142 | 162954 | 19.853 | ng/ul 95  |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082217\  
 Data File : BG028442.D  
 Acq On : 23 Aug 2017 7:16  
 Operator : SJ/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02080

Quant Time: Aug 23 09:20:29 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 23 07:06:03 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.16 | 216  | 103907   | 21.644 | ng/ul  | 96       |
| 37) Hexachlorocyclopentadiene  | 13.13 | 237  | 30033    | 11.337 | ng/ul  | 92       |
| 38) 2,4,6-Trichlorophenol      | 13.40 | 196  | 70038    | 23.407 | ng/ul  | 93       |
| 39) 2,4,5-Trichlorophenol      | 13.48 | 196  | 71691    | 21.982 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.79 | 154  | 219070   | 20.139 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.84 | 162  | 173983   | 20.239 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 14.04 | 65   | 67324    | 18.679 | ng/ul  | 93       |
| 44) Dimethylphthalate          | 14.39 | 163  | 219243   | 17.975 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 14.53 | 165  | 49037    | 19.472 | ng/ul# | 89       |
| 47) Acenaphthylene             | 14.68 | 152  | 279755   | 19.600 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.86 | 138  | 42800    | 18.874 | ng/ul# | 99       |
| 49) Acenaphthene               | 15.01 | 153  | 185501   | 19.262 | ng/ul  | 95       |
| 50) 2,4-Dinitrophenol          | 15.07 | 184  | 21416    | 15.093 | ng/ul# | 78       |
| 52) 4-Nitrophenol              | 15.17 | 109  | 33075    | 15.155 | ng/ul# | 85       |
| 53) Dibenzofuran               | 15.35 | 168  | 267391   | 19.043 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 15.31 | 165  | 72228    | 18.925 | ng/ul# | 83       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.58 | 232  | 63265    | 20.828 | ng/ul# | 97       |
| 56) Diethylphthalate           | 15.74 | 149  | 243261   | 17.001 | ng/ul  | 100      |
| 58) Fluorene                   | 16.00 | 166  | 232394   | 18.694 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.98 | 204  | 125612   | 18.834 | ng/ul  | 93       |
| 60) 4-Nitroaniline             | 16.02 | 138  | 46192    | 17.170 | ng/ul# | 76       |
| 63) 4,6-Dinitro-2-methylphenol | 16.08 | 198  | 39193    | 17.471 | ng/ul# | 92       |
| 64) N-Nitrosodiphenylamine     | 16.20 | 169  | 190092   | 21.217 | ng/ul  | 95       |
| 65) 4-Bromophenyl-phenylether  | 16.88 | 248  | 83453    | 22.799 | ng/ul  | 98       |
| 66) Hexachlorobenzene          | 17.01 | 284  | 88436    | 22.695 | ng/ul  | 96       |
| 67) Atrazine                   | 17.14 | 200  | 77847    | 19.929 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 17.35 | 266  | 39890    | 20.211 | ng/ul  | 93       |
| 69) Phenanthrene               | 17.75 | 178  | 332554   | 19.403 | ng/ul  | 100      |
| 71) Anthracene                 | 17.84 | 178  | 347240   | 19.823 | ng/ul  | 99       |
| 72) Carbazole                  | 18.11 | 167  | 289340   | 18.993 | ng/ul  | 98       |
| 73) Di-n-butylphthalate        | 18.63 | 149  | 363025   | 19.143 | ng/ul# | 97       |
| 74) Fluoranthene               | 19.74 | 202  | 393296   | 18.882 | ng/ul  | 98       |
| 77) Pyrene                     | 20.11 | 202  | 400785   | 17.761 | ng/ul  | 97       |
| 78) Butylbenzylphthalate       | 20.97 | 149  | 162815   | 19.259 | ng/ul  | 87       |
| 79) 3,3'-Dichlorobenzidine     | 21.91 | 252  | 152792   | 20.938 | ng/ul  | 99       |
| 80) Benzo(a)anthracene         | 22.01 | 228  | 425156   | 19.454 | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 21.87 | 149  | 231505   | 19.256 | ng/ul  | 98       |
| 82) Chrysene                   | 22.09 | 228  | 382664   | 19.442 | ng/ul  | 98       |
| 84) Di-n-octyl phthalate       | 23.17 | 149  | 395157   | 17.731 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.42 | 252  | 422780   | 18.998 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 24.50 | 252  | 418007   | 19.230 | ng/ul  | 98       |
| 88) Benzo(a)pyrene             | 25.38 | 252  | 411868   | 19.115 | ng/ul  | 97       |
| 89) Indeno(1,2,3-cd)pyrene     | 29.58 | 276  | 479880   | 19.019 | ng/ul  | 97       |
| 90) Dibenzo(a,h)anthracene     | 29.64 | 278  | 404900   | 19.145 | ng/ul  | 95       |
| 91) Benzo(g,h,i)perylene       | 30.84 | 276  | 343368   | 16.542 | ng/ul  | 97       |

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

