

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012517\  
 Data File : BG025659.D  
 Acq On : 26 Jan 2017 8:08  
 Operator : SJ/MA  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02019

Quant Time: Jan 26 10:57:41 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  | 86918    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.01 | 136  | 395098   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.81 | 164  | 312108   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.56 | 188  | 696315   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.85 | 240  | 822862   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.24 | 264  | 833478   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.51  | 96  | 12010  | 6.91  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.34  | 99  | 160179 | 21.50 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.49  | 67  | 106648 | 22.17 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.70  | 132 | 115110 | 21.91 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.89  | 113 | 130265 | 20.57 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.36  | 128 | 60838  | 21.72 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.08 | 143 | 71458  | 21.38 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.64 | 165 | 133657 | 20.27 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.15 | 131 | 160984 | 21.85 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.20 | 166 | 468759 | 21.27 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.51 | 160 | 531995 | 22.35 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.05 | 143 | 56155  | 18.59 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.79 | 176 | 445256 | 21.43 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.95 | 200 | 88224  | 20.54 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.66 | 188 | 649150 | 21.90 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.93 | 212 | 742624 | 21.69 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.00 | 264 | 756685 | 21.60 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Ovalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.54  | 88  | 15884  | 7.74  | ng/uL# 86 |
| 4) Benzaldehyde                | 7.32  | 77  | 129896 | 25.32 | ng/ul 93  |
| 6) Phenol                      | 7.36  | 94  | 163216 | 20.85 | ng/ul 94  |
| 8) Bis(2-Chloroethyl)ether     | 7.59  | 93  | 122021 | 21.83 | ng/ul 95  |
| 10) 2-Chlorophenol             | 7.74  | 128 | 113320 | 21.78 | ng/ul 94  |
| 11) 2-Methylphenol             | 8.63  | 108 | 123818 | 21.24 | ng/ul 85  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.70  | 45  | 244014 | 22.98 | ng/ul 98  |
| 14) Acetophenone               | 9.01  | 105 | 201122 | 20.34 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.98  | 70  | 128759 | 21.75 | ng/ul# 94 |
| 16) 4-Methylphenol             | 8.96  | 108 | 132509 | 20.73 | ng/ul 91  |
| 17) Hexachloroethane           | 9.25  | 117 | 55050  | 22.72 | ng/ul 87  |
| 20) Nitrobenzene               | 9.40  | 77  | 194894 | 21.74 | ng/ul 93  |
| 21) Isophorone                 | 9.92  | 82  | 351207 | 20.85 | ng/ul 97  |
| 23) 2-Nitrophenol              | 10.12 | 139 | 79451  | 23.28 | ng/ul 88  |
| 24) 2,4-Dimethylphenol         | 10.17 | 107 | 177561 | 21.58 | ng/ul 94  |
| 25) Bis(2-Chloroethoxy)methane | 10.39 | 93  | 184838 | 21.76 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.66 | 162 | 137803 | 21.52 | ng/ul 97  |
| 28) Naphthalene                | 11.05 | 128 | 395243 | 21.67 | ng/ul 97  |
| 30) 4-Chloroaniline            | 11.18 | 127 | 167543 | 22.57 | ng/ul 93  |
| 31) Hexachlorobutadiene        | 11.31 | 225 | 115426 | 20.64 | ng/ul 92  |
| 32) Caprolactam                | 11.94 | 113 | 52280  | 19.42 | ng/ul 95  |
| 33) 4-Chloro-3-methylphenol    | 12.29 | 107 | 170104 | 21.88 | ng/ul 97  |
| 34) 2-Methylnaphthalene        | 12.64 | 142 | 311569 | 20.92 | ng/ul 95  |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.01 | 216  | 213594   | 22.73 | ng/ul# | 92       |
| 37) Hexachlorocyclopentadiene  | 12.97 | 237  | 81715    | 22.03 | ng/ul  | 97       |
| 38) 2,4,6-Trichlorophenol      | 13.26 | 196  | 126288   | 22.20 | ng/ul  | 92       |
| 39) 2,4,5-Trichlorophenol      | 13.34 | 196  | 131966   | 22.12 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.64 | 154  | 430741   | 22.27 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.69 | 162  | 342041   | 22.79 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.91 | 65   | 147844   | 22.72 | ng/ul  | 90       |
| 44) Dimethylphthalate          | 14.25 | 163  | 456788   | 21.08 | ng/ul  | 96       |
| 45) 2,6-Dinitrotoluene         | 14.40 | 165  | 99580    | 22.32 | ng/ul# | 94       |
| 47) Acenaphthylene             | 14.54 | 152  | 519674   | 22.42 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.74 | 138  | 92626    | 22.95 | ng/ul# | 85       |
| 49) Acenaphthene               | 14.87 | 153  | 362347   | 21.94 | ng/ul  | 97       |
| 50) 2,4-Dinitrophenol          | 14.97 | 184  | 57152    | 21.79 | ng/ul  | 95       |
| 52) 4-Nitrophenol              | 15.06 | 109  | 71705    | 17.14 | ng/ul  | 93       |
| 53) Dibenzofuran               | 15.21 | 168  | 539782   | 21.27 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 15.19 | 165  | 145793   | 21.43 | ng/ul  | 96       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.44 | 232  | 126616   | 20.06 | ng/ul# | 94       |
| 56) Diethylphthalate           | 15.60 | 149  | 479917   | 20.48 | ng/ul  | 97       |
| 58) Fluorene                   | 15.85 | 166  | 446148   | 21.53 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.83 | 204  | 245402   | 20.99 | ng/ul# | 86       |
| 60) 4-Nitroaniline             | 15.90 | 138  | 89823    | 22.99 | ng/ul  | 98       |
| 63) 4,6-Dinitro-2-methylphenol | 15.96 | 198  | 92907    | 20.98 | ng/ul# | 95       |
| 64) N-Nitrosodiphenylamine     | 16.05 | 169  | 403827   | 22.50 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.73 | 248  | 175531   | 21.72 | ng/ul  | 90       |
| 66) Hexachlorobenzene          | 16.86 | 284  | 199902   | 21.77 | ng/ul  | 96       |
| 67) Atrazine                   | 16.99 | 200  | 184249   | 21.85 | ng/ul  | 93       |
| 68) Pentachlorophenol          | 17.22 | 266  | 70332    | 18.41 | ng/ul  | 95       |
| 69) Phenanthrene               | 17.60 | 178  | 747933   | 22.10 | ng/ul  | 99       |
| 71) Anthracene                 | 17.69 | 178  | 750336   | 22.05 | ng/ul  | 98       |
| 72) Carbazole                  | 17.97 | 167  | 641912   | 22.75 | ng/ul  | 96       |
| 73) Di-n-butylphthalate        | 18.48 | 149  | 806075   | 22.09 | ng/ul  | 98       |
| 74) Fluoranthene               | 19.60 | 202  | 888033   | 22.23 | ng/ul  | 99       |
| 77) Pyrene                     | 19.96 | 202  | 897658   | 22.18 | ng/ul  | 98       |
| 78) Butylbenzylphthalate       | 20.81 | 149  | 362046   | 23.01 | ng/ul  | 98       |
| 79) 3,3'-Dichlorobenzidine     | 21.73 | 252  | 356772   | 23.63 | ng/ul  | 97       |
| 80) Benzo(a)anthracene         | 21.83 | 228  | 941697   | 21.66 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.67 | 149  | 502191   | 22.86 | ng/ul  | 98       |
| 82) Chrysene                   | 21.90 | 228  | 879335   | 21.50 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.92 | 149  | 864602   | 24.17 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.15 | 252  | 903805   | 20.95 | ng/ul  | 98       |
| 86) Benzo(k)fluoranthene       | 24.22 | 252  | 896725   | 22.16 | ng/ul  | 98       |
| 88) Benzo(a)pyrene             | 25.08 | 252  | 885530   | 21.70 | ng/ul  | 100      |
| 89) Indeno(1,2,3-cd)pyrene     | 29.15 | 276  | 1103063  | 21.34 | ng/ul  | 97       |
| 90) Dibenzo(a,h)anthracene     | 29.20 | 278  | 913407   | 21.22 | ng/ul  | 93       |
| 91) Benzo(g,h,i)perylene       | 30.38 | 276  | 889928   | 20.97 | ng/ul  | 99       |

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

