

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG011317\  
 Data File : BG025511.D  
 Acq On : 13 Jan 2017 14:58  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02001

Quant Time: Jan 13 16:12:38 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG010417MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 12 18:33:35 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.20  | 152  | 60683    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.03 | 136  | 257913   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.83 | 164  | 197658   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.67 | 188  | 397582   | 20.00 | ng/ul | 0.10     |
| 77) Chrysene-d12          | 21.86 | 240  | 694591   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 25.27 | 264  | 745835   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.54  | 96  | 8796   | 7.86  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.36  | 99  | 96561  | 20.30 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.51  | 67  | 66340  | 21.49 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.73  | 132 | 72615  | 20.65 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.92  | 113 | 81876  | 20.76 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.38  | 128 | 35989  | 20.02 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.11 | 143 | 43442  | 20.25 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.66 | 165 | 81650  | 20.57 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.17 | 131 | 95294  | 20.90 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.22 | 166 | 280352 | 20.59 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.52 | 160 | 314666 | 21.00 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.06 | 143 | 21782  | 11.53 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.82 | 176 | 259450 | 20.44 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.07 | 200 | 630    | 0.25  | ng/ul | 0.11 |
| 70) Anthracene-d10             | 17.67 | 188 | 397582 | 23.57 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.95 | 212 | 540826 | 20.16 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 25.02 | 264 | 598301 | 19.40 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Qvalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.58  | 88  | 9570   | 6.85  | ng/uL# 32 |
| 4) Benzaldehyde                | 7.34  | 77  | 82104  | 24.84 | ng/ul# 73 |
| 6) Phenol                      | 7.39  | 94  | 103461 | 20.81 | ng/ul# 66 |
| 8) Bis(2-Chloroethyl)ether     | 7.61  | 93  | 77731  | 20.92 | ng/ul# 77 |
| 10) 2-Chlorophenol             | 7.77  | 128 | 71328  | 20.09 | ng/ul# 76 |
| 11) 2-Methylphenol             | 8.65  | 108 | 72447  | 19.81 | ng/ul 94  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.72  | 45  | 145891 | 21.58 | ng/ul# 79 |
| 14) Acetophenone               | 9.03  | 105 | 126260 | 20.67 | ng/ul# 77 |
| 15) N-Nitroso-di-n-propylamine | 9.00  | 70  | 75574  | 20.40 | ng/ul# 77 |
| 16) 4-Methylphenol             | 8.99  | 108 | 78025  | 19.32 | ng/ul 93  |
| 17) Hexachloroethane           | 9.28  | 117 | 33345  | 19.86 | ng/ul# 82 |
| 20) Nitrobenzene               | 9.43  | 77  | 122714 | 21.41 | ng/ul# 78 |
| 21) Isophorone                 | 9.94  | 82  | 208456 | 20.38 | ng/ul# 92 |
| 23) 2-Nitrophenol              | 10.14 | 139 | 44455  | 19.55 | ng/ul# 64 |
| 24) 2,4-Dimethylphenol         | 10.19 | 107 | 98245  | 19.34 | ng/ul 90  |
| 25) Bis(2-Chloroethoxy)methane | 10.42 | 93  | 108153 | 20.27 | ng/ul 93  |
| 27) 2,4-Dichlorophenol         | 10.69 | 162 | 79199  | 19.76 | ng/ul# 91 |
| 28) Naphthalene                | 11.08 | 128 | 233508 | 19.84 | ng/ul 98  |
| 30) 4-Chloroaniline            | 11.20 | 127 | 95515  | 21.02 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 11.33 | 225 | 71698  | 18.39 | ng/ul 96  |
| 32) Caprolactam                | 11.96 | 113 | 29898  | 19.55 | ng/ul# 28 |
| 33) 4-Chloro-3-methylphenol    | 12.31 | 107 | 90331  | 19.57 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.67 | 142 | 180249 | 19.74 | ng/ul 97  |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 12 18:33:35 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.03 | 216  | 129141   | 19.69 | ng/ul  | 97       |
| 37) Hexachlorocyclopentadiene  | 12.99 | 237  | 51944    | 20.09 | ng/ul# | 94       |
| 38) 2,4,6-Trichlorophenol      | 13.28 | 196  | 72960    | 20.15 | ng/ul  | 96       |
| 39) 2,4,5-Trichlorophenol      | 13.37 | 196  | 83293    | 21.27 | ng/ul  | 92       |
| 40) 1,1'-Biphenyl              | 13.66 | 154  | 254150   | 20.55 | ng/ul  | 93       |
| 41) 2-Chloronaphthalene        | 13.71 | 162  | 203640   | 20.65 | ng/ul  | 94       |
| 42) 2-Nitroaniline             | 13.93 | 65   | 79788    | 20.98 | ng/ul# | 66       |
| 44) Dimethylphthalate          | 14.27 | 163  | 280896   | 21.29 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 14.41 | 165  | 58023    | 21.13 | ng/ul# | 88       |
| 47) Acenaphthylene             | 14.55 | 152  | 303711   | 21.06 | ng/ul  | 97       |
| 48) 3-Nitroaniline             | 14.76 | 138  | 53059    | 22.66 | ng/ul  | 82       |
| 49) Acenaphthene               | 14.89 | 153  | 209126   | 20.56 | ng/ul  | 95       |
| 50) 2,4-Dinitrophenol          | 15.05 | 184  | 1139     | 0.76  | ng/ul  | 87       |
| 52) 4-Nitrophenol              | 15.08 | 109  | 49169    | 19.61 | ng/ul# | 61       |
| 53) Dibenzofuran               | 15.22 | 168  | 324214   | 20.61 | ng/ul  | 96       |
| 54) 2,4-Dinitrotoluene         | 15.21 | 165  | 86581    | 21.12 | ng/ul# | 53       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.45 | 232  | 83535    | 20.63 | ng/ul# | 84       |
| 56) Diethylphthalate           | 15.62 | 149  | 287673   | 20.79 | ng/ul  | 99       |
| 58) Fluorene                   | 15.87 | 166  | 255054   | 20.04 | ng/ul  | 92       |
| 59) 4-Chlorophenyl-phenylether | 15.85 | 204  | 140920   | 19.31 | ng/ul# | 91       |
| 60) 4-Nitroaniline             | 15.92 | 138  | 48432    | 20.75 | ng/ul# | 49       |
| 63) 4,6-Dinitro-2-methylphenol | 15.98 | 198  | 62053    | 24.06 | ng/ul  | 97       |
| 64) N-Nitrosodiphenylamine     | 16.07 | 169  | 236497   | 23.20 | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.74 | 248  | 103672   | 22.37 | ng/ul  | 93       |
| 66) Hexachlorobenzene          | 16.87 | 284  | 121479   | 22.54 | ng/ul# | 84       |
| 67) Atrazine                   | 17.01 | 200  | 121436   | 25.23 | ng/ul  | 93       |
| 68) Pentachlorophenol          | 17.23 | 266  | 51821    | 22.03 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.71 | 178  | 463640   | 24.04 | ng/ul  | 97       |
| 71) Anthracene                 | 17.71 | 178  | 463553   | 23.80 | ng/ul  | 96       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.64 | 216  | 124973   | 22.48 | ng/uL  | 98       |
| 73) Pentachlorobenzene         | 15.14 | 250  | 128333   | 22.16 | ng/uL  | 96       |
| 74) Carbazole                  | 17.98 | 167  | 417563   | 25.72 | ng/ul  | 98       |
| 75) Di-n-butylphthalate        | 18.50 | 149  | 519517   | 24.71 | ng/ul# | 98       |
| 76) Fluoranthene               | 19.62 | 202  | 622072   | 25.87 | ng/ul# | 88       |
| 79) Pyrene                     | 19.98 | 202  | 638550   | 20.28 | ng/ul# | 90       |
| 80) Butylbenzylphthalate       | 20.82 | 149  | 278236   | 21.69 | ng/ul# | 80       |
| 81) 3,3'-Dichlorobenzidine     | 21.74 | 252  | 278580   | 21.46 | ng/ul# | 97       |
| 82) Benzo(a)anthracene         | 21.84 | 228  | 732991   | 20.40 | ng/ul  | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.68 | 149  | 380630   | 20.60 | ng/ul# | 98       |
| 84) Chrysene                   | 21.92 | 228  | 689671   | 20.28 | ng/ul  | 98       |
| 86) Di-n-octyl phthalate       | 22.94 | 149  | 668230   | 21.55 | ng/ul# | 88       |
| 87) Benzo(b)fluoranthene       | 24.17 | 252  | 741116   | 20.01 | ng/ul# | 95       |
| 88) Benzo(k)fluoranthene       | 24.24 | 252  | 716074   | 20.09 | ng/ul# | 96       |
| 90) Benzo(a)pyrene             | 25.10 | 252  | 719841   | 20.08 | ng/ul# | 93       |
| 91) Indeno(1,2,3-cd)pyrene     | 29.17 | 276  | 372142   | 8.22  | ng/ul# | 78       |
| 92) Dibenzo(a,h)anthracene     | 29.23 | 278  | 753985   | 19.82 | ng/ul# | 90       |
| 93) Benzo(g,h,i)perylene       | 30.41 | 276  | 732225   | 19.47 | ng/ul# | 84       |

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

