

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG121016\  
 Data File : BG025091.D  
 Acq On : 11 Dec 2016 5:44  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SSTD02028

Manual Integrations  
 APPROVED

Sohil  
 12/12/2016 4:29:56 PM

Quant Time: Dec 12 06:36:11 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Dec 12 04:23:16 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.24  | 152  | 101105   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.06 | 136  | 424982   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.86 | 164  | 384657   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.60 | 188  | 817590   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.89 | 240  | 1010402  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.30 | 264  | 1046774  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.59  | 96  | 17085  | 8.73  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.38  | 99  | 173878 | 19.93 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.55  | 67  | 114159 | 21.16 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.76  | 132 | 124005 | 20.33 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.94  | 113 | 143670 | 19.71 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.42  | 128 | 61525  | 20.44 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.14 | 143 | 72777  | 19.40 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.68 | 165 | 148721 | 20.61 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.20 | 131 | 166740 | 23.51 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.25 | 166 | 502930 | 19.01 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.55 | 160 | 587885 | 20.28 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.05 | 143 | 93861  | 20.64 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.84 | 176 | 477280 | 19.16 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.96 | 200 | 107637 | 21.29 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.70 | 188 | 698046 | 20.23 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.97 | 212 | 879582 | 21.13 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.06 | 264 | 881792 | 20.79 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.63  | 88  | 20911  | 8.20  | ng/uL  | 99     |
| 4) Benzaldehyde                | 7.37  | 77  | 136101 | 20.73 | ng/ul  | 96     |
| 6) Phenol                      | 7.40  | 94  | 183722 | 20.52 | ng/ul  | 96     |
| 8) Bis(2-Chloroethyl)ether     | 7.64  | 93  | 128765 | 19.66 | ng/ul  | 92     |
| 10) 2-Chlorophenol             | 7.79  | 128 | 120294 | 19.62 | ng/ul  | 93     |
| 11) 2-Methylphenol             | 8.67  | 108 | 133098 | 20.19 | ng/ul# | 79     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.76  | 45  | 251137 | 22.54 | ng/ul  | 99     |
| 14) Acetophenone               | 9.06  | 105 | 213237 | 19.22 | ng/ul# | 91     |
| 15) N-Nitroso-di-n-propylamine | 9.03  | 70  | 128096 | 19.99 | ng/ul# | 95     |
| 16) 4-Methylphenol             | 9.00  | 108 | 144062 | 19.64 | ng/ul  | 89     |
| 17) Hexachloroethane           | 9.33  | 117 | 55803  | 20.54 | ng/ul  | 90     |
| 20) Nitrobenzene               | 9.45  | 77  | 190737 | 20.62 | ng/ul  | 95     |
| 21) Isophorone                 | 9.97  | 82  | 346520 | 19.80 | ng/ul  | 97     |
| 23) 2-Nitrophenol              | 10.17 | 139 | 79207  | 20.81 | ng/ul# | 87     |
| 24) 2,4-Dimethylphenol         | 10.21 | 107 | 180671 | 20.76 | ng/ul  | 99     |
| 25) Bis(2-Chloroethoxy)methane | 10.45 | 93  | 183468 | 20.57 | ng/ul  | 93     |
| 27) 2,4-Dichlorophenol         | 10.71 | 162 | 144639 | 20.65 | ng/ul  | 98     |
| 28) Naphthalene                | 11.12 | 128 | 400810 | 20.29 | ng/ul  | 97     |
| 30) 4-Chloroaniline            | 11.22 | 127 | 169520 | 23.38 | ng/ul# | 87     |
| 31) Hexachlorobutadiene        | 11.38 | 225 | 114889 | 19.08 | ng/ul  | 90     |
| 32) Caprolactam                | 11.98 | 113 | 55029  | 18.92 | ng/ul  | 96     |
| 33) 4-Chloro-3-methylphenol    | 12.32 | 107 | 179376 | 20.77 | ng/ul  | 98     |
| 34) 2-Methylnaphthalene        | 12.70 | 142 | 305001 | 19.56 | ng/ul  | 88     |

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 Data File : BG025091.D  
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 Operator : UM/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SSTD02028

Manual Integrations  
 APPROVED

Sohil  
 12/12/2016 4:29:56 PM

Quant Time: Dec 12 06:36:11 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Dec 12 04:23:16 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.06 | 216  | 205629   | 17.74 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 13.03 | 237  | 119725   | 17.59 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 13.30 | 196  | 134775   | 18.51 | ng/ul  | 92       |
| 39) 2,4,5-Trichlorophenol      | 13.37 | 196  | 150678   | 18.88 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 13.69 | 154  | 429317   | 18.41 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.74 | 162  | 348227   | 18.76 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.95 | 65   | 160583   | 22.10 | ng/ul  | 95       |
| 44) Dimethylphthalate          | 14.30 | 163  | 499925   | 19.23 | ng/ul  | 97       |
| 45) 2,6-Dinitrotoluene         | 14.43 | 165  | 104884   | 18.77 | ng/ul# | 87       |
| 47) Acenaphthylene             | 14.58 | 152  | 549965   | 19.52 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.77 | 138  | 105428   | 21.79 | ng/ul# | 85       |
| 49) Acenaphthene               | 14.92 | 153  | 395014   | 20.47 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.97 | 184  | 64497    | 17.77 | ng/ul  | 91       |
| 52) 4-Nitrophenol              | 15.06 | 109  | 114434   | 20.92 | ng/ul  | 94       |
| 53) Dibenzofuran               | 15.25 | 168  | 605623   | 19.84 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 15.21 | 165  | 161446   | 19.17 | ng/ul# | 93       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.47 | 232  | 158753   | 18.82 | ng/ul# | 99       |
| 56) Diethylphthalate           | 15.65 | 149  | 528057   | 19.18 | ng/ul  | 97       |
| 58) Fluorene                   | 15.90 | 166  | 492155   | 19.80 | ng/ul  | 93       |
| 59) 4-Chlorophenyl-phenylether | 15.88 | 204  | 259273   | 18.53 | ng/ul  | 91       |
| 60) 4-Nitroaniline             | 15.93 | 138  | 117549   | 20.14 | ng/ul  | 89       |
| 63) 4,6-Dinitro-2-methylphenol | 15.98 | 198  | 109665   | 20.94 | ng/ul# | 94       |
| 64) N-Nitrosodiphenylamine     | 16.10 | 169  | 433370   | 20.60 | ng/ul  | 93       |
| 65) 4-Bromophenyl-phenylether  | 16.78 | 248  | 180260   | 19.52 | ng/ul  | 94       |
| 66) Hexachlorobenzene          | 16.90 | 284  | 202681   | 19.49 | ng/ul  | 94       |
| 67) Atrazine                   | 17.03 | 200  | 190983   | 19.10 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 17.25 | 266  | 123143   | 19.72 | ng/ul  | 92       |
| 69) Phenanthrene               | 17.64 | 178  | 802695   | 20.57 | ng/ul  | 98       |
| 71) Anthracene                 | 17.73 | 178  | 822385   | 20.50 | ng/ul  | 98       |
| 72) Carbazole                  | 18.00 | 167  | 716184   | 21.40 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.52 | 149  | 873606   | 20.67 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.64 | 202  | 1014310  | 21.87 | ng/ul  | 98       |
| 77) Pyrene                     | 20.00 | 202  | 1032247  | 21.25 | ng/ul  | 99       |
| 78) Butylbenzylphthalate       | 20.85 | 149  | 417656   | 21.96 | ng/ul  | 98       |
| 79) 3,3'-Dichlorobenzidine     | 21.78 | 252  | 388723   | 22.07 | ng/ul# | 96       |
| 80) Benzo(a)anthracene         | 21.87 | 228  | 1084897  | 20.67 | ng/ul  | 97       |
| 81) Bis(2-ethylhexyl)phthalate | 21.72 | 149  | 571621   | 21.84 | ng/ul  | 98       |
| 82) Chrysene                   | 21.94 | 228  | 1017404  | 20.72 | ng/ul  | 98       |
| 84) Di-n-octyl phthalate       | 22.99 | 149  | 975556   | 22.95 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.20 | 252  | 1066025  | 20.54 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 24.28 | 252  | 1033511  | 20.95 | ng/ul  | 98       |
| 88) Benzo(a)pyrene             | 25.14 | 252  | 1013092  | 20.30 | ng/ul  | 97       |
| 89) Indeno(1,2,3-cd)pyrene     | 29.22 | 276  | 1255935m | 20.25 | ng/ul  |          |
| 90) Dibenzo(a,h)anthracene     | 29.28 | 278  | 1052643m | 20.14 | ng/ul  |          |
| 91) Benzo(g,h,i)perylene       | 30.45 | 276  | 1057281m | 20.43 | ng/ul  |          |

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

