

Data Path : Z:\HPCHEM1\BNA G\Data\BG030717\  
 Data File : BG026107.D  
 Acq On : 8 Mar 2017 10:52  
 Operator : SJ/MA  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02012

Quant Time: Mar 08 12:10:02 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030717MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 07 16:02:09 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.06  | 152  | 142487   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.86 | 136  | 585229   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.67 | 164  | 340303   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.40 | 188  | 800702   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.64 | 240  | 954886   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 24.83 | 264  | 955925   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.50  | 96  | 25472  | 7.69  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.22  | 99  | 191990 | 18.12 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.39  | 67  | 124525 | 18.62 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.60  | 132 | 161454 | 18.87 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.76  | 113 | 150071 | 18.13 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.22  | 128 | 88199  | 20.86 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.94  | 143 | 71179  | 20.45 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.48 | 165 | 158856 | 20.46 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.99 | 131 | 223875 | 21.12 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.07 | 166 | 484040 | 21.87 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.36 | 160 | 663147 | 22.32 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.84 | 143 | 82573  | 18.94 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.65 | 176 | 482941 | 22.13 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.76 | 200 | 65589  | 17.46 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.49 | 188 | 740283 | 20.37 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.77 | 212 | 841138 | 21.41 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 24.61 | 264 | 863223 | 20.49 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |        |       |        | Ovalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.53  | 88  | 27448  | 7.44  | ng/uL# | 78     |
| 4) Benzaldehyde                | 7.20  | 77  | 144275 | 21.36 | ng/ul  | 90     |
| 6) Phenol                      | 7.24  | 94  | 201499 | 18.36 | ng/ul  | 94     |
| 8) Bis(2-Chloroethyl)ether     | 7.47  | 93  | 172223 | 19.34 | ng/ul  | 89     |
| 10) 2-Chlorophenol             | 7.63  | 128 | 159328 | 19.03 | ng/ul# | 90     |
| 11) 2-Methylphenol             | 8.50  | 108 | 150062 | 17.95 | ng/ul  | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.60  | 45  | 192868 | 18.59 | ng/ul# | 92     |
| 14) Acetophenone               | 8.88  | 105 | 265331 | 19.55 | ng/ul  | 93     |
| 15) N-Nitroso-di-n-propylamine | 8.86  | 70  | 120133 | 18.77 | ng/ul# | 93     |
| 16) 4-Methylphenol             | 8.82  | 108 | 163386 | 18.02 | ng/ul  | 98     |
| 17) Hexachloroethane           | 9.15  | 117 | 67184  | 19.35 | ng/ul  | 90     |
| 20) Nitrobenzene               | 9.26  | 77  | 174340 | 19.47 | ng/ul  | 98     |
| 21) Isophorone                 | 9.78  | 82  | 331815 | 19.62 | ng/ul  | 96     |
| 23) 2-Nitrophenol              | 9.97  | 139 | 77773  | 21.07 | ng/ul# | 93     |
| 24) 2,4-Dimethylphenol         | 10.02 | 107 | 160367 | 19.31 | ng/ul  | 95     |
| 25) Bis(2-Chloroethoxy)methane | 10.26 | 93  | 218207 | 19.78 | ng/ul  | 98     |
| 27) 2,4-Dichlorophenol         | 10.51 | 162 | 155060 | 20.39 | ng/ul  | 98     |
| 28) Naphthalene                | 10.92 | 128 | 576799 | 20.23 | ng/ul  | 99     |
| 30) 4-Chloroaniline            | 11.01 | 127 | 217566 | 21.46 | ng/ul  | 100    |
| 31) Hexachlorobutadiene        | 11.20 | 225 | 113721 | 20.67 | ng/ul  | 97     |
| 32) Caprolactam                | 11.75 | 113 | 26436  | 9.67  | ng/ul  | 90     |
| 33) 4-Chloro-3-methylphenol    | 12.12 | 107 | 149114 | 20.07 | ng/ul  | 87     |
| 34) 2-Methylnaphthalene        | 12.51 | 142 | 439735 | 20.63 | ng/ul  | 99     |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02012

Quant Time: Mar 08 12:10:02 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030717MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 07 16:02:09 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216  | 214463   | 22.29 | ng/ul  | 97       |
| 37) Hexachlorocyclopentadiene  | 12.86 | 237  | 106267   | 21.00 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 13.11 | 196  | 110151   | 22.03 | ng/ul  | 96       |
| 39) 2,4,5-Trichlorophenol      | 13.18 | 196  | 120844   | 22.49 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 13.51 | 154  | 562476   | 22.48 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.55 | 162  | 415365   | 22.27 | ng/ul  | 93       |
| 42) 2-Nitroaniline             | 13.74 | 65   | 90727    | 21.36 | ng/ul  | 96       |
| 44) Dimethylphthalate          | 14.11 | 163  | 477210   | 22.00 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.23 | 165  | 104113   | 23.50 | ng/ul  | 95       |
| 47) Acenaphthylene             | 14.39 | 152  | 666592   | 22.25 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.55 | 138  | 110664   | 22.53 | ng/ul  | 96       |
| 49) Acenaphthene               | 14.73 | 153  | 468296   | 22.29 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.77 | 184  | 36595    | 17.74 | ng/ul  | 86       |
| 52) 4-Nitrophenol              | 14.85 | 109  | 48714    | 19.35 | ng/ul# | 61       |
| 53) Dibenzofuran               | 15.06 | 168  | 658692   | 22.40 | ng/ul  | 90       |
| 54) 2,4-Dinitrotoluene         | 15.01 | 165  | 151958   | 22.92 | ng/ul  | 96       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.28 | 232  | 105628   | 21.99 | ng/ul  | 93       |
| 56) Diethylphthalate           | 15.47 | 149  | 468344   | 22.02 | ng/ul  | 97       |
| 58) Fluorene                   | 15.71 | 166  | 545219   | 22.33 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.69 | 204  | 259506   | 22.26 | ng/ul# | 86       |
| 60) 4-Nitroaniline             | 15.71 | 138  | 124618   | 21.75 | ng/ul# | 77       |
| 63) 4,6-Dinitro-2-methylphenol | 15.78 | 198  | 72905    | 17.95 | ng/ul# | 89       |
| 64) N-Nitrosodiphenylamine     | 15.91 | 169  | 455125   | 20.68 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.59 | 248  | 172907   | 20.90 | ng/ul# | 83       |
| 66) Hexachlorobenzene          | 16.71 | 284  | 188090   | 20.73 | ng/ul# | 86       |
| 67) Atrazine                   | 16.85 | 200  | 151959   | 19.12 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 17.05 | 266  | 79463    | 17.18 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.44 | 178  | 860527   | 20.28 | ng/ul  | 98       |
| 71) Anthracene                 | 17.53 | 178  | 878589   | 20.54 | ng/ul  | 98       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.47 | 216  | 203473   | 21.24 | ng/uL  | 98       |
| 73) Pentachlorobenzene         | 14.98 | 250  | 206418   | 21.01 | ng/uL  | 99       |
| 74) Carbazole                  | 17.79 | 167  | 806535   | 21.00 | ng/ul  | 95       |
| 75) Di-n-butylphthalate        | 18.35 | 149  | 755495   | 19.44 | ng/ul  | 99       |
| 76) Fluoranthene               | 19.44 | 202  | 1022821  | 21.37 | ng/ul  | 99       |
| 79) Pvrene                     | 19.79 | 202  | 1053044  | 21.63 | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.68 | 149  | 285286   | 17.90 | ng/ul  | 95       |
| 81) 3,3'-Dichlorobenzidine     | 21.53 | 252  | 310435   | 18.83 | ng/ul  | 97       |
| 82) Benzo(a)anthracene         | 21.62 | 228  | 1056596  | 20.22 | ng/ul  | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.53 | 149  | 443275   | 17.82 | ng/ul# | 95       |
| 84) Chrysene                   | 21.69 | 228  | 997059   | 19.95 | ng/ul  | 96       |
| 86) Di-n-octyl phthalate       | 22.73 | 149  | 768740   | 17.96 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 23.82 | 252  | 1086641  | 20.50 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 23.88 | 252  | 1080093  | 20.91 | ng/ul  | 98       |
| 90) Benzo(a)pyrene             | 24.68 | 252  | 1083853  | 20.81 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 28.46 | 276  | 1302216  | 20.74 | ng/ul# | 92       |
| 92) Dibenzo(a,h)anthracene     | 28.51 | 278  | 1065567  | 20.57 | ng/ul  | 97       |
| 93) Benzo(g,h,i)perylene       | 29.59 | 276  | 1082959  | 20.76 | ng/ul  | 99       |

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

