

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG032417\  
 Data File : BG026411.D  
 Acq On : 24 Mar 2017 12:38  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02034

Quant Time: Mar 24 15:04:10 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG030717MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Mar 11 00:32:15 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.04  | 152  | 153913   | 20.00 | ng/ul | -0.03    |
| 18) Naphthalene-d8        | 10.84 | 136  | 640032   | 20.00 | ng/ul | -0.02    |
| 35) Acenaphthene-d10      | 14.65 | 164  | 364183   | 20.00 | ng/ul | -0.01    |
| 61) Phenanthrene-d10      | 17.38 | 188  | 855899   | 20.00 | ng/ul | -0.01    |
| 77) Chrysene-d12          | 21.63 | 240  | 1064844  | 20.00 | ng/ul | -0.02    |
| 85) Perylene-d12          | 24.80 | 264  | 1044745  | 20.00 | ng/ul | -0.03    |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.47  | 96  | 27159  | 7.59  | ng/uL | -0.03 |
| 5) Phenol-d5                   | 7.21  | 99  | 242675 | 21.21 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.37  | 67  | 135962 | 18.82 | ng/ul | -0.02 |
| 9) 2-Chlorophenol-d4           | 7.58  | 132 | 216281 | 23.40 | ng/ul | -0.02 |
| 13) 4-Methylphenol-d8          | 8.75  | 113 | 193783 | 21.67 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 9.20  | 128 | 96011  | 20.76 | ng/ul | -0.02 |
| 22) 2-Nitrophenol-d4           | 9.92  | 143 | 114255 | 30.02 | ng/ul | -0.02 |
| 26) 2,4-Dichlorophenol-d3      | 10.47 | 165 | 204549 | 24.09 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 10.97 | 131 | 250884 | 21.64 | ng/ul | -0.01 |
| 43) Dimethylphthalate-d6       | 14.05 | 166 | 591095 | 24.95 | ng/ul | -0.01 |
| 46) Acenaphthylene-d8          | 14.35 | 160 | 734001 | 23.08 | ng/ul | -0.01 |
| 51) 4-Nitrophenol-d4           | 14.85 | 143 | 116830 | 25.04 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.63 | 176 | 541834 | 23.20 | ng/ul | -0.02 |
| 62) 4,6-Dinitro-2-methylphenol | 15.76 | 200 | 116094 | 28.91 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.48 | 188 | 829443 | 21.36 | ng/ul | -0.02 |
| 78) Pyrene-d10                 | 19.76 | 212 | 959799 | 21.91 | ng/ul | -0.01 |
| 89) Benzo(a)pyrene-d12         | 24.59 | 264 | 989637 | 21.49 | ng/ul | -0.03 |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.51  | 88  | 28723  | 7.20  | ng/uL# | 87     |
| 4) Benzaldehyde                | 7.18  | 77  | 147537 | 20.22 | ng/ul  | 92     |
| 6) Phenol                      | 7.23  | 94  | 251172 | 21.19 | ng/ul  | 92     |
| 8) Bis(2-Chloroethyl)ether     | 7.46  | 93  | 192284 | 19.99 | ng/ul  | 95     |
| 10) 2-Chlorophenol             | 7.61  | 128 | 207184 | 22.91 | ng/ul  | 96     |
| 11) 2-Methylphenol             | 8.48  | 108 | 190383 | 21.08 | ng/ul  | 98     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.57  | 45  | 178981 | 15.97 | ng/ul  | 99     |
| 14) Acetophenone               | 8.86  | 105 | 286708 | 19.55 | ng/ul  | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.84  | 70  | 128943 | 18.65 | ng/ul  | 96     |
| 16) 4-Methylphenol             | 8.81  | 108 | 206100 | 21.04 | ng/ul  | 97     |
| 17) Hexachloroethane           | 9.13  | 117 | 77066  | 20.55 | ng/ul  | 94     |
| 20) Nitrobenzene               | 9.24  | 77  | 192865 | 19.69 | ng/ul  | 93     |
| 21) Isophorone                 | 9.76  | 82  | 374983 | 20.28 | ng/ul# | 93     |
| 23) 2-Nitrophenol              | 9.96  | 139 | 118877 | 29.45 | ng/ul# | 85     |
| 24) 2,4-Dimethylphenol         | 10.01 | 107 | 211483 | 23.28 | ng/ul  | 92     |
| 25) Bis(2-Chloroethoxy)methane | 10.24 | 93  | 241939 | 20.06 | ng/ul  | 99     |
| 27) 2,4-Dichlorophenol         | 10.49 | 162 | 198521 | 23.87 | ng/ul  | 98     |
| 28) Naphthalene                | 10.89 | 128 | 641100 | 20.56 | ng/ul  | 99     |
| 30) 4-Chloroaniline            | 11.00 | 127 | 247096 | 22.29 | ng/ul  | 97     |
| 31) Hexachlorobutadiene        | 11.18 | 225 | 126016 | 20.95 | ng/ul  | 97     |
| 32) Caprolactam                | 11.74 | 113 | 65002  | 21.74 | ng/ul  | 94     |
| 33) 4-Chloro-3-methylphenol    | 12.11 | 107 | 189287 | 23.30 | ng/ul  | 90     |
| 34) 2-Methylnaphthalene        | 12.49 | 142 | 481614 | 20.66 | ng/ul  | 99     |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SSTD02034

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216  | 236124   | 22.94 | ng/ul# | 97       |
| 37) Hexachlorocyclopentadiene  | 12.84 | 237  | 118992   | 21.97 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 13.09 | 196  | 153124   | 28.61 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 13.17 | 196  | 164451   | 28.60 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.49 | 154  | 613931   | 22.93 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.53 | 162  | 464140   | 23.25 | ng/ul# | 91       |
| 42) 2-Nitroaniline             | 13.73 | 65   | 112155   | 24.67 | ng/ul  | 96       |
| 44) Dimethylphthalate          | 14.10 | 163  | 573571   | 24.71 | ng/ul# | 99       |
| 45) 2,6-Dinitrotoluene         | 14.22 | 165  | 122312   | 25.79 | ng/ul  | 91       |
| 47) Acenaphthylene             | 14.38 | 152  | 732599   | 22.85 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.55 | 138  | 136097   | 25.89 | ng/ul# | 88       |
| 49) Acenaphthene               | 14.71 | 153  | 512294   | 22.79 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.76 | 184  | 68603    | 31.07 | ng/ul# | 83       |
| 52) 4-Nitrophenol              | 14.86 | 109  | 62484    | 23.19 | ng/ul# | 57       |
| 53) Dibenzofuran               | 15.04 | 168  | 726119   | 23.07 | ng/ul  | 90       |
| 54) 2,4-Dinitrotoluene         | 15.00 | 165  | 182739   | 25.75 | ng/ul  | 89       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.27 | 232  | 153209   | 29.81 | ng/ul# | 89       |
| 56) Diethylphthalate           | 15.45 | 149  | 577469   | 25.37 | ng/ul  | 95       |
| 58) Fluorene                   | 15.69 | 166  | 595119   | 22.78 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.68 | 204  | 288664   | 23.14 | ng/ul# | 86       |
| 60) 4-Nitroaniline             | 15.70 | 138  | 147302   | 24.03 | ng/ul# | 75       |
| 63) 4,6-Dinitro-2-methylphenol | 15.77 | 198  | 122325   | 28.18 | ng/ul# | 86       |
| 64) N-Nitrosodiphenylamine     | 15.89 | 169  | 524880   | 22.31 | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.57 | 248  | 191677   | 21.67 | ng/ul# | 82       |
| 66) Hexachlorobenzene          | 16.70 | 284  | 213339   | 21.99 | ng/ul# | 83       |
| 67) Atrazine                   | 16.83 | 200  | 195777   | 23.05 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 17.04 | 266  | 122811   | 24.84 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.42 | 178  | 952563   | 21.00 | ng/ul  | 98       |
| 71) Anthracene                 | 17.51 | 178  | 972507   | 21.27 | ng/ul  | 96       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.46 | 216  | 224666   | 21.94 | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 14.97 | 250  | 230175   | 21.92 | ng/uL  | 98       |
| 74) Carbazole                  | 17.78 | 167  | 934277   | 22.76 | ng/ul  | 96       |
| 75) Di-n-butylphthalate        | 18.33 | 149  | 1029908  | 24.79 | ng/ul# | 98       |
| 76) Fluoranthene               | 19.42 | 202  | 1154730  | 22.57 | ng/ul  | 98       |
| 79) Pyrene                     | 19.79 | 202  | 1166085  | 21.47 | ng/ul  | 98       |
| 80) Butylbenzylphthalate       | 20.66 | 149  | 501434   | 28.21 | ng/ul  | 91       |
| 81) 3,3'-Dichlorobenzidine     | 21.52 | 252  | 454501   | 24.73 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.61 | 228  | 1222236  | 20.97 | ng/ul  | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.51 | 149  | 737676   | 26.60 | ng/ul# | 93       |
| 84) Chrysene                   | 21.67 | 228  | 1150050  | 20.63 | ng/ul  | 96       |
| 86) Di-n-octyl phthalate       | 22.69 | 149  | 1265890  | 27.06 | ng/ul  | 97       |
| 87) Benzo(b)fluoranthene       | 23.79 | 252  | 1243311  | 21.46 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 23.86 | 252  | 1188218  | 21.05 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 24.66 | 252  | 1217449  | 21.38 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 28.42 | 276  | 1435778  | 20.93 | ng/ul# | 92       |
| 92) Dibenzo(a,h)anthracene     | 28.48 | 278  | 1225335  | 21.64 | ng/ul  | 98       |
| 93) Benzo(g,h,i)perylene       | 29.56 | 276  | 1188499  | 20.85 | ng/ul  | 99       |

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

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ALS Vial : 2 Sample Multiplier: 1

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