

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
 Data File : BG027520.D  
 Acq On : 17 Jun 2017 23:47  
 Operator : SJ/MA  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02088

Quant Time: Jun 19 01:55:34 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jun 19 01:52:26 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.52  | 152  | 40373    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.34 | 136  | 207020   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.10 | 164  | 135245   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.85 | 188  | 318750   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 22.23 | 240  | 341574   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.89 | 264  | 309249   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 4.08  | 96  | 7412   | 7.34  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.65  | 99  | 90231  | 20.61 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.83  | 67  | 62476  | 20.94 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 8.05  | 132 | 64106  | 22.16 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.19  | 113 | 72111  | 21.07 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.68  | 128 | 31906  | 21.22 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.40 | 143 | 35176  | 22.02 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.94 | 165 | 65209  | 21.60 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.46 | 131 | 91282  | 23.89 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.49 | 166 | 220282 | 19.45 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.80 | 160 | 269259 | 20.65 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.28 | 143 | 40112  | 18.11 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 16.09 | 176 | 207925 | 19.57 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.20 | 200 | 37626  | 19.01 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.95 | 188 | 301269 | 20.27 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.22 | 212 | 328021 | 19.66 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.63 | 264 | 295815 | 21.24 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 4.11  | 88  | 8456   | 7.236  | ng/uL 93  |
| 4) Benzaldehyde                | 7.66  | 77  | 64835  | 25.328 | ng/ul 91  |
| 6) Phenol                      | 7.68  | 94  | 96123  | 20.951 | ng/ul# 88 |
| 8) Bis(2-Chloroethyl)ether     | 7.92  | 93  | 67473  | 19.998 | ng/ul 97  |
| 10) 2-Chlorophenol             | 8.08  | 128 | 63112  | 21.674 | ng/ul 95  |
| 11) 2-Methylphenol             | 8.94  | 108 | 67458  | 20.339 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 9.04  | 45  | 121539 | 21.640 | ng/ul 98  |
| 14) Acetophenone               | 9.34  | 105 | 112440 | 21.254 | ng/ul# 89 |
| 15) N-Nitroso-di-n-propylamine | 9.31  | 70  | 66828  | 22.359 | ng/ul# 86 |
| 16) 4-Methylphenol             | 9.26  | 108 | 75777  | 20.805 | ng/ul 99  |
| 17) Hexachloroethane           | 9.61  | 117 | 23749  | 21.273 | ng/ul# 81 |
| 20) Nitrobenzene               | 9.72  | 77  | 92121  | 21.749 | ng/ul# 94 |
| 21) Isophorone                 | 10.24 | 82  | 178045 | 21.315 | ng/ul# 95 |
| 23) 2-Nitrophenol              | 10.43 | 139 | 37369  | 21.299 | ng/ul# 81 |
| 24) 2,4-Dimethylphenol         | 10.47 | 107 | 89665  | 21.455 | ng/ul 95  |
| 25) Bis(2-Chloroethoxy)methane | 10.71 | 93  | 103593 | 20.160 | ng/ul 94  |
| 27) 2,4-Dichlorophenol         | 10.97 | 162 | 65385  | 21.431 | ng/ul 98  |
| 28) Naphthalene                | 11.39 | 128 | 214043 | 20.119 | ng/ul 98  |
| 30) 4-Chloroaniline            | 11.49 | 127 | 88696  | 23.523 | ng/ul 94  |
| 31) Hexachlorobutadiene        | 11.66 | 225 | 39700  | 21.154 | ng/ul 91  |
| 32) Caprolactam                | 12.23 | 113 | 26566  | 19.743 | ng/ul 94  |
| 33) 4-Chloro-3-methylphenol    | 12.57 | 107 | 88955  | 22.137 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.95 | 142 | 162267 | 20.568 | ng/ul 98  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.31 | 216  | 84471    | 21.099 | ng/ul  | 95       |
| 37) Hexachlorocyclopentadiene  | 13.29 | 237  | 37766    | 16.843 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 13.54 | 196  | 57277    | 21.620 | ng/ul  | 94       |
| 39) 2,4,5-Trichlorophenol      | 13.61 | 196  | 59589    | 21.601 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.94 | 154  | 212350   | 19.847 | ng/ul# | 96       |
| 41) 2-Chloronaphthalene        | 13.99 | 162  | 164757   | 20.418 | ng/ul  | 94       |
| 42) 2-Nitroaniline             | 14.18 | 65   | 69065    | 22.749 | ng/ul  | 99       |
| 44) Dimethylphthalate          | 14.53 | 163  | 218226   | 19.430 | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 14.66 | 165  | 44016    | 21.051 | ng/ul# | 94       |
| 47) Acenaphthylene             | 14.83 | 152  | 262310   | 20.069 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 15.00 | 138  | 45689    | 20.136 | ng/ul# | 89       |
| 49) Acenaphthene               | 15.17 | 153  | 182808   | 20.054 | ng/ul  | 96       |
| 50) 2,4-Dinitrophenol          | 15.20 | 184  | 25349    | 17.499 | ng/ul  | 96       |
| 52) 4-Nitrophenol              | 15.29 | 109  | 35170    | 19.962 | ng/ul# | 56       |
| 53) Dibenzofuran               | 15.50 | 168  | 262333   | 19.744 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 15.45 | 165  | 65009    | 20.307 | ng/ul# | 90       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.72 | 232  | 56595    | 21.094 | ng/ul# | 94       |
| 56) Diethylphthalate           | 15.89 | 149  | 227493   | 19.166 | ng/ul  | 99       |
| 58) Fluorene                   | 16.15 | 166  | 215945   | 19.585 | ng/ul  | 97       |
| 59) 4-Chlorophenyl-phenylether | 16.13 | 204  | 110867   | 20.005 | ng/ul  | 90       |
| 60) 4-Nitroaniline             | 16.16 | 138  | 49150    | 17.685 | ng/ul# | 70       |
| 63) 4,6-Dinitro-2-methylphenol | 16.22 | 198  | 39516    | 18.922 | ng/ul# | 98       |
| 64) N-Nitrosodiphenylamine     | 16.34 | 169  | 190770   | 20.806 | ng/ul  | 96       |
| 65) 4-Bromophenyl-phenylether  | 17.03 | 248  | 69375    | 21.488 | ng/ul  | 90       |
| 66) Hexachlorobenzene          | 17.16 | 284  | 72706    | 21.378 | ng/ul  | 96       |
| 67) Atrazine                   | 17.28 | 200  | 70656    | 20.119 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 17.50 | 266  | 41872    | 18.552 | ng/ul  | 95       |
| 69) Phenanthrene               | 17.90 | 178  | 339443   | 19.817 | ng/ul  | 99       |
| 71) Anthracene                 | 17.99 | 178  | 353274   | 20.283 | ng/ul  | 99       |
| 72) Carbazole                  | 18.25 | 167  | 294961   | 19.690 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.78 | 149  | 376766   | 20.339 | ng/ul# | 97       |
| 74) Fluoranthene               | 19.89 | 202  | 387011   | 20.081 | ng/ul# | 87       |
| 77) Pyrene                     | 20.25 | 202  | 395086   | 19.568 | ng/ul# | 85       |
| 78) Butylbenzylphthalate       | 21.13 | 149  | 169142   | 22.229 | ng/ul  | 95       |
| 79) 3,3'-Dichlorobenzidine     | 22.10 | 252  | 137302   | 21.837 | ng/ul# | 95       |
| 80) Benzo(a)anthracene         | 22.21 | 228  | 392031   | 20.610 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 22.06 | 149  | 233930   | 21.406 | ng/ul  | 99       |
| 82) Chrysene                   | 22.28 | 228  | 358351   | 20.860 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 23.42 | 149  | 405948   | 20.950 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.71 | 252  | 379900   | 20.626 | ng/ul# | 95       |
| 86) Benzo(k)fluoranthene       | 24.79 | 252  | 365035   | 20.619 | ng/ul# | 95       |
| 88) Benzo(a)pyrene             | 25.72 | 252  | 367830   | 20.800 | ng/ul# | 96       |
| 89) Indeno(1,2,3-cd)pyrene     | 30.08 | 276  | 414110   | 20.513 | ng/ul# | 90       |
| 90) Dibenzo(a,h)anthracene     | 30.16 | 278  | 359104   | 20.718 | ng/ul# | 93       |
| 91) Benzo(g,h,i)perylene       | 31.42 | 276  | 306930   | 18.570 | ng/ul# | 92       |

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

