

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG080217\  
 Data File : BG028104.D  
 Acq On : 2 Aug 2017 12:02  
 Operator : SJ/JU  
 Sample : SSTD02088  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02088

Quant Time: Aug 02 13:32:33 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 02 13:32:47 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.36  | 152  | 28551    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.18 | 136  | 140985   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.97 | 164  | 105576   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.72 | 188  | 284885   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 22.05 | 240  | 301289   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.56 | 264  | 280147   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.85  | 96  | 4433   | 8.56  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.51  | 99  | 59762  | 25.47 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.68  | 67  | 39872  | 29.47 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.89  | 132 | 40477  | 21.96 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.06  | 113 | 52408  | 26.98 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.53  | 128 | 21714  | 20.93 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.26 | 143 | 24098  | 19.31 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.80 | 165 | 49003  | 20.07 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.31 | 131 | 62151  | 28.15 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.36 | 166 | 189312 | 20.68 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.67 | 160 | 209017 | 20.09 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.15 | 143 | 29054  | 21.92 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.96 | 176 | 166457 | 19.29 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.07 | 200 | 32952  | 16.65 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.82 | 188 | 263700 | 19.19 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.09 | 212 | 315825 | 23.33 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.32 | 264 | 258692 | 19.77 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.89  | 88  | 5011   | 7.976  | ng/uL# 59 |
| 4) Benzaldehyde                | 7.51  | 77  | 38784  | 26.654 | ng/ul 89  |
| 6) Phenol                      | 7.54  | 94  | 60046  | 26.372 | ng/ul 90  |
| 8) Bis(2-Chloroethyl)ether     | 7.77  | 93  | 42047  | 25.622 | ng/ul 88  |
| 10) 2-Chlorophenol             | 7.93  | 128 | 38370  | 22.391 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.79  | 108 | 43498  | 26.017 | ng/ul 93  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.89  | 45  | 105807 | 34.190 | ng/ul# 89 |
| 14) Acetophenone               | 9.19  | 105 | 76433  | 27.915 | ng/ul 91  |
| 15) N-Nitroso-di-n-propylamine | 9.16  | 70  | 44462  | 31.672 | ng/ul 95  |
| 16) 4-Methylphenol             | 9.12  | 108 | 49810  | 27.186 | ng/ul 94  |
| 17) Hexachloroethane           | 9.45  | 117 | 16221  | 23.505 | ng/ul 88  |
| 20) Nitrobenzene               | 9.57  | 77  | 62710  | 26.148 | ng/ul 97  |
| 21) Isophorone                 | 10.09 | 82  | 120930 | 27.684 | ng/ul# 97 |
| 23) 2-Nitrophenol              | 10.29 | 139 | 24541  | 20.430 | ng/ul# 82 |
| 24) 2,4-Dimethylphenol         | 10.33 | 107 | 61268  | 24.376 | ng/ul 94  |
| 25) Bis(2-Chloroethoxy)methane | 10.57 | 93  | 66723  | 25.462 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.82 | 162 | 44403  | 18.781 | ng/ul 97  |
| 28) Naphthalene                | 11.24 | 128 | 138729 | 20.764 | ng/ul 96  |
| 30) 4-Chloroaniline            | 11.34 | 127 | 59850  | 29.296 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 11.51 | 225 | 32591  | 17.235 | ng/ul 94  |
| 33) 4-Chloro-3-methylphenol    | 12.44 | 107 | 58648  | 26.019 | ng/ul 97  |
| 34) 2-Methylnaphthalene        | 12.81 | 142 | 111099 | 20.565 | ng/ul 95  |
| 36) 1,2,4,5-Tetrachlorobenzene | 13.18 | 216 | 65035  | 16.378 | ng/ul 94  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 37) Hexachlorocyclopentadiene  | 13.15 | 237  | 32962    | 14.029 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 13.41 | 196  | 41833    | 17.463 | ng/ul  | 86       |
| 39) 2,4,5-Trichlorophenol      | 13.49 | 196  | 45430    | 17.649 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.80 | 154  | 150206   | 18.618 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.85 | 162  | 120253   | 18.854 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 14.05 | 65   | 52928    | 29.037 | ng/ul  | 93       |
| 44) Dimethylphthalate          | 14.41 | 163  | 171183   | 20.539 | ng/ul# | 99       |
| 45) 2,6-Dinitrotoluene         | 14.54 | 165  | 36737    | 21.791 | ng/ul# | 95       |
| 47) Acenaphthylene             | 14.70 | 152  | 200096   | 19.578 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.87 | 138  | 33111    | 22.595 | ng/ul# | 91       |
| 49) Acenaphthene               | 15.03 | 153  | 137654   | 19.907 | ng/ul  | 95       |
| 50) 2,4-Dinitrophenol          | 15.07 | 184  | 17087    | 17.596 | ng/ul# | 88       |
| 52) 4-Nitrophenol              | 15.17 | 109  | 31059    | 29.084 | ng/ul  | 88       |
| 53) Dibenzofuran               | 15.37 | 168  | 197318   | 19.299 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 15.32 | 165  | 54276    | 22.086 | ng/ul# | 95       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.59 | 232  | 42583    | 17.361 | ng/ul# | 87       |
| 56) Diethylphthalate           | 15.76 | 149  | 198551   | 22.846 | ng/ul  | 98       |
| 58) Fluorene                   | 16.01 | 166  | 172888   | 19.669 | ng/ul  | 96       |
| 59) 4-Chlorophenyl-phenylether | 16.00 | 204  | 91325    | 18.738 | ng/ul# | 90       |
| 60) 4-Nitroaniline             | 16.03 | 138  | 37116    | 21.343 | ng/ul  | 83       |
| 63) 4,6-Dinitro-2-methylphenol | 16.08 | 198  | 33656    | 17.790 | ng/ul# | 97       |
| 64) N-Nitrosodiphenylamine     | 16.21 | 169  | 148535   | 19.344 | ng/ul  | 94       |
| 65) 4-Bromophenyl-phenylether  | 16.90 | 248  | 60408    | 17.400 | ng/ul  | 94       |
| 66) Hexachlorobenzene          | 17.02 | 284  | 62997    | 17.259 | ng/ul  | 99       |
| 67) Atrazine                   | 17.15 | 200  | 64355    | 19.048 | ng/ul  | 95       |
| 68) Pentachlorophenol          | 17.37 | 266  | 27934    | 14.087 | ng/ul  | 92       |
| 69) Phenanthrene               | 17.76 | 178  | 283238   | 19.398 | ng/ul  | 99       |
| 71) Anthracene                 | 17.85 | 178  | 286218   | 19.124 | ng/ul  | 99       |
| 72) Carbazole                  | 18.12 | 167  | 248431   | 20.132 | ng/ul  | 96       |
| 73) Di-n-butylphthalate        | 18.65 | 149  | 317275   | 23.449 | ng/ul# | 97       |
| 74) Fluoranthene               | 19.76 | 202  | 348098   | 19.476 | ng/ul  | 98       |
| 77) Pyrene                     | 20.12 | 202  | 362346   | 22.699 | ng/ul# | 97       |
| 78) Butylbenzylphthalate       | 20.99 | 149  | 134266   | 26.237 | ng/ul  | 92       |
| 79) 3,3'-Dichlorobenzidine     | 21.94 | 252  | 119226   | 24.340 | ng/ul# | 93       |
| 80) Benzo(a)anthracene         | 22.03 | 228  | 344948   | 21.165 | ng/ul  | 100      |
| 81) Bis(2-ethylhexyl)phthalate | 21.90 | 149  | 187924   | 25.771 | ng/ul  | 100      |
| 82) Chrysene                   | 22.11 | 228  | 313991   | 21.166 | ng/ul  | 97       |
| 84) Di-n-octyl phthalate       | 23.20 | 149  | 323963   | 24.934 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.52 | 252  | 331737   | 20.751 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 24.52 | 252  | 331737   | 21.155 | ng/ul  | 97       |
| 88) Benzo(a)pyrene             | 25.40 | 252  | 319689   | 20.696 | ng/ul  | 98       |
| 89) Indeno(1,2,3-cd)pyrene     | 29.60 | 276  | 365719   | 20.877 | ng/ul# | 97       |
| 90) Dibenzo(a,h)anthracene     | 29.65 | 278  | 308873   | 21.005 | ng/ul# | 95       |
| 91) Benzo(g,h,i)perylene       | 30.86 | 276  | 305674   | 21.151 | ng/ul  | 98       |

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

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