

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM022417\  
 Data File : BM009021.D  
 Acq On : 24 Feb 2017 17:48  
 Operator : SJ/MA  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02056

Quant Time: Feb 24 18:24:03 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM022317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 24 13:06:22 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.90  | 152  | 206675   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.70 | 136  | 856569   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.54 | 164  | 618546   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.29 | 188  | 1267042  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.46 | 240  | 1575541  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.80 | 264  | 1432737  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.36  | 96  | 41997   | 8.16  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.05  | 99  | 382436  | 20.42 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.23  | 67  | 281135  | 20.95 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.43  | 132 | 255253  | 20.45 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.60  | 113 | 282879  | 20.57 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.06  | 128 | 126177  | 20.59 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.79  | 143 | 134209  | 20.29 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.32 | 165 | 282305  | 20.33 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.84 | 131 | 327151  | 22.35 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.94 | 166 | 844231  | 20.27 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.23 | 160 | 1057924 | 20.68 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.73 | 143 | 147825  | 20.33 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.53 | 176 | 783258  | 20.14 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.65 | 200 | 148106  | 19.42 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.39 | 188 | 1221833 | 20.37 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.67 | 212 | 1460053 | 21.26 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.65 | 264 | 1351624 | 20.78 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.40  | 88  | 46768  | 7.78 ng/uL#  | 70     |
| 4) Benzaldehyde                | 7.05  | 77  | 309581 | 21.98 ng/ul  | 85     |
| 6) Phenol                      | 7.08  | 94  | 401531 | 20.31 ng/ul# | 68     |
| 8) Bis(2-Chloroethyl)ether     | 7.32  | 93  | 314654 | 20.29 ng/ul  | 87     |
| 10) 2-Chlorophenol             | 7.46  | 128 | 270463 | 20.80 ng/ul# | 79     |
| 11) 2-Methylphenol             | 8.33  | 108 | 274616 | 20.04 ng/ul  | 100    |
| 12) 2,2'-oxybis(1-Chloropropan | 8.43  | 45  | 513857 | 20.10 ng/ul  | 96     |
| 14) Acetophenone               | 8.73  | 105 | 488176 | 20.49 ng/ul# | 72     |
| 15) N-Nitroso-di-n-propylamine | 8.70  | 70  | 298398 | 20.43 ng/ul# | 80     |
| 16) 4-Methylphenol             | 8.66  | 108 | 304733 | 20.46 ng/ul  | 95     |
| 17) Hexachloroethane           | 8.97  | 117 | 128284 | 20.37 ng/ul# | 84     |
| 20) Nitrobenzene               | 9.11  | 77  | 426488 | 19.69 ng/ul# | 86     |
| 21) Isophorone                 | 9.63  | 82  | 730321 | 20.27 ng/ul# | 93     |
| 23) 2-Nitrophenol              | 9.82  | 139 | 145530 | 20.43 ng/ul# | 59     |
| 24) 2,4-Dimethylphenol         | 9.86  | 107 | 365516 | 19.85 ng/ul# | 86     |
| 25) Bis(2-Chloroethoxy)methane | 10.11 | 93  | 422354 | 20.37 ng/ul  | 99     |
| 27) 2,4-Dichlorophenol         | 10.35 | 162 | 274070 | 20.14 ng/ul  | 90     |
| 28) Naphthalene                | 10.75 | 128 | 879568 | 20.48 ng/ul  | 98     |
| 30) 4-Chloroaniline            | 10.86 | 127 | 343106 | 22.15 ng/ul  | 97     |
| 31) Hexachlorobutadiene        | 11.03 | 225 | 223349 | 19.65 ng/ul  | 99     |
| 32) Caprolactam                | 11.63 | 113 | 55690  | 13.65 ng/ul  | 80     |
| 33) 4-Chloro-3-methylphenol    | 11.97 | 107 | 320312 | 20.09 ng/ul  | 93     |
| 34) 2-Methylnaphthalene        | 12.36 | 142 | 649916 | 20.26 ng/ul  | 99     |

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 Data File : BM009021.D  
 Acq On : 24 Feb 2017 17:48  
 Operator : SJ/MA  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02056

Quant Time: Feb 24 18:24:03 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM022317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 24 13:06:22 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.73 | 216  | 405795   | 20.17 | ng/ul# | 96       |
| 37) Hexachlorocyclopentadiene  | 12.70 | 237  | 245801   | 18.96 | ng/ul  | 100      |
| 38) 2,4,6-Trichlorophenol      | 12.97 | 196  | 235222   | 20.49 | ng/ul  | 92       |
| 39) 2,4,5-Trichlorophenol      | 13.03 | 196  | 262079   | 20.92 | ng/ul  | 95       |
| 40) 1,1'-Biphenyl              | 13.37 | 154  | 874004   | 20.49 | ng/ul  | 94       |
| 41) 2-Chloronaphthalene        | 13.42 | 162  | 677846   | 20.39 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.63 | 65   | 257759   | 20.35 | ng/ul# | 80       |
| 44) Dimethylphthalate          | 13.99 | 163  | 838913   | 20.13 | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 14.12 | 165  | 167768   | 21.12 | ng/ul# | 66       |
| 47) Acenaphthylene             | 14.26 | 152  | 1038033  | 20.71 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.45 | 138  | 167561   | 21.50 | ng/ul# | 75       |
| 49) Acenaphthene               | 14.60 | 153  | 725961   | 20.28 | ng/ul  | 95       |
| 50) 2,4-Dinitrophenol          | 14.65 | 184  | 85812    | 16.68 | ng/ul# | 71       |
| 52) 4-Nitrophenol              | 14.74 | 109  | 179940   | 19.32 | ng/ul# | 69       |
| 53) Dibenzofuran               | 14.94 | 168  | 1067210  | 20.36 | ng/ul  | 90       |
| 54) 2,4-Dinitrotoluene         | 14.90 | 165  | 246862   | 21.05 | ng/ul# | 63       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.16 | 232  | 233483   | 20.15 | ng/ul# | 93       |
| 56) Diethylphthalate           | 15.36 | 149  | 860176   | 20.16 | ng/ul  | 98       |
| 58) Fluorene                   | 15.59 | 166  | 867561   | 19.87 | ng/ul  | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.58 | 204  | 470312   | 19.91 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.61 | 138  | 184164   | 21.23 | ng/ul# | 38       |
| 63) 4,6-Dinitro-2-methylphenol | 15.66 | 198  | 158239   | 19.76 | ng/ul# | 74       |
| 64) N-Nitrosodiphenylamine     | 15.79 | 169  | 765425   | 20.70 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.47 | 248  | 294655   | 20.39 | ng/ul  | 90       |
| 66) Hexachlorobenzene          | 16.59 | 284  | 336715   | 21.26 | ng/ul# | 88       |
| 67) Atrazine                   | 16.74 | 200  | 288753   | 19.88 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.93 | 266  | 186022   | 18.96 | ng/ul  | 90       |
| 69) Phenanthrene               | 17.33 | 178  | 1415444  | 20.21 | ng/ul  | 99       |
| 71) Anthracene                 | 17.42 | 178  | 1445138  | 20.22 | ng/ul  | 97       |
| 72) Carbazole                  | 17.69 | 167  | 1267345  | 20.04 | ng/ul  | 97       |
| 73) Di-n-butylphthalate        | 18.24 | 149  | 1472033  | 20.55 | ng/ul# | 97       |
| 74) Fluoranthene               | 19.34 | 202  | 1712696  | 20.23 | ng/ul# | 94       |
| 77) Pyrene                     | 19.70 | 202  | 1810087  | 20.57 | ng/ul# | 94       |
| 78) Butylbenzylphthalate       | 20.59 | 149  | 672941   | 21.26 | ng/ul  | 88       |
| 79) 3,3'-Dichlorobenzidine     | 21.37 | 252  | 649541   | 21.53 | ng/ul  | 99       |
| 80) Benzo(a)anthracene         | 21.44 | 228  | 1871616  | 20.82 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.35 | 149  | 974226   | 21.22 | ng/ul  | 95       |
| 82) Chrysene                   | 21.49 | 228  | 1762576  | 20.63 | ng/ul  | 98       |
| 84) Di-n-octyl phthalate       | 22.26 | 149  | 1660638  | 20.13 | ng/ul# | 90       |
| 85) Benzo(b)fluoranthene       | 23.09 | 252  | 1840434  | 21.36 | ng/ul# | 98       |
| 86) Benzo(k)fluoranthene       | 23.14 | 252  | 1648563  | 20.32 | ng/ul# | 97       |
| 88) Benzo(a)pyrene             | 23.70 | 252  | 1688403  | 20.66 | ng/ul# | 97       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.20 | 276  | 1856326  | 20.00 | ng/ul# | 90       |
| 90) Dibenzo(a,h)anthracene     | 26.21 | 278  | 1559609  | 19.73 | ng/ul# | 93       |
| 91) Benzo(g,h,i)perylene       | 26.93 | 276  | 1524398  | 19.84 | ng/ul# | 94       |

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

