

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM071315\  
 Data File : BM001902.D  
 Acq On : 13 Jul 2015 12:37  
 Operator : TP/UM  
 Sample : SSTD08040  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD08040

Quant Time: Jul 14 01:32:36 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 14 01:16:56 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 74879    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 308007   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.32 | 164  | 188042   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 412768   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.26 | 240  | 409853   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.49 | 264  | 337523   | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 48716   | 30.88 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.83  | 99  | 511152  | 87.11 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 271947  | 82.99 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.19  | 132 | 409611  | 87.84 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.37  | 113 | 412146  | 86.71 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 197156  | 91.02 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.54  | 143 | 226117  | 94.96 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.07 | 165 | 442254  | 87.48 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 430679  | 83.13 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 1225164 | 85.88 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.01 | 160 | 1506027 | 82.09 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.54 | 143 | 216020  | 82.79 | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.32 | 176 | 1045833 | 80.22 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 236860  | 91.67 | ng/ul | 0.01 |
| 70) Anthracene-d10             | 17.17 | 188 | 1600565 | 82.93 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.47 | 212 | 1693491 | 95.50 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.35 | 264 | 1432722 | 93.51 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |         |        |       | Qvalue |
|--------------------------------|-------|-----|---------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.17  | 88  | 50415   | 28.43  | ng/uL | 98     |
| 4) Benzaldehyde                | 6.80  | 77  | 257277  | 73.29  | ng/ul | 100    |
| 6) Phenol                      | 6.86  | 94  | 526007  | 86.96  | ng/ul | 99     |
| 8) Bis(2-Chloroethyl)ether     | 7.09  | 93  | 379895  | 83.75  | ng/ul | 99     |
| 10) 2-Chlorophenol             | 7.22  | 128 | 415976  | 86.83  | ng/ul | 98     |
| 11) 2-Methylphenol             | 8.10  | 108 | 395127  | 87.46  | ng/ul | 100    |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20  | 45  | 444148  | 80.99  | ng/ul | 99     |
| 14) Acetophenone               | 8.49  | 105 | 644018  | 85.66  | ng/ul | 99     |
| 15) N-Nitroso-di-n-propylamine | 8.49  | 70  | 327312  | 88.04  | ng/ul | 97     |
| 16) 4-Methylphenol             | 8.45  | 108 | 431394  | 87.84  | ng/ul | 98     |
| 17) Hexachloroethane           | 8.73  | 117 | 162258  | 84.69  | ng/ul | 96     |
| 20) Nitrobenzene               | 8.87  | 77  | 471004  | 81.61  | ng/ul | 98     |
| 21) Isophorone                 | 9.39  | 82  | 864363  | 87.71  | ng/ul | 99     |
| 23) 2-Nitrophenol              | 9.57  | 139 | 241215  | 92.31  | ng/ul | 99     |
| 24) 2,4-Dimethylphenol         | 9.63  | 107 | 494932  | 83.84  | ng/ul | 99     |
| 25) Bis(2-Chloroethoxy)methane | 9.87  | 93  | 510935  | 83.75  | ng/ul | 99     |
| 27) 2,4-Dichlorophenol         | 10.10 | 162 | 421415  | 86.09  | ng/ul | 99     |
| 28) Naphthalene                | 10.50 | 128 | 1273905 | 81.75  | ng/ul | 100    |
| 30) 4-Chloroaniline            | 10.62 | 127 | 444645  | 84.52  | ng/ul | 99     |
| 31) Hexachlorobutadiene        | 10.77 | 225 | 301223  | 81.56  | ng/ul | 99     |
| 32) Caprolactam                | 11.42 | 113 | 191308m | 115.54 | ng/ul |        |
| 33) 4-Chloro-3-methylphenol    | 11.76 | 107 | 450187  | 86.00  | ng/ul | 100    |
| 34) 2-Methylnaphthalene        | 12.12 | 142 | 939813  | 82.89  | ng/ul | 98     |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216  | 567091   | 81.14  | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.47 | 237  | 351767   | 83.79  | ng/ul  | 100      |
| 38) 2,4,6-Trichlorophenol      | 12.74 | 196  | 361286   | 87.36  | ng/ul  | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.82 | 196  | 391673   | 86.24  | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.15 | 154  | 1247530  | 81.01  | ng/ul  | 100      |
| 41) 2-Chloronaphthalene        | 13.19 | 162  | 974054   | 80.79  | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.40 | 65   | 284673   | 88.08  | ng/ul  | 97       |
| 44) Dimethylphthalate          | 13.78 | 163  | 1241865  | 80.70  | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 13.91 | 165  | 272763   | 92.78  | ng/ul  | 99       |
| 47) Acenaphthylene             | 14.04 | 152  | 1531172  | 81.63  | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.24 | 138  | 234275   | 86.26  | ng/ul  | 97       |
| 49) Acenaphthene               | 14.39 | 153  | 1017061  | 81.35  | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.44 | 184  | 173760   | 94.65  | ng/ul  | 96       |
| 52) 4-Nitrophenol              | 14.56 | 109  | 199392   | 75.60  | ng/ul  | 97       |
| 53) Dibenzofuran               | 14.72 | 168  | 1448727  | 80.64  | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.70 | 165  | 385747   | 89.36  | ng/ul  | 95       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.95 | 232  | 344502   | 87.68  | ng/ul# | 99       |
| 56) Diethylphthalate           | 15.15 | 149  | 1232131  | 83.71  | ng/ul  | 100      |
| 58) Fluorene                   | 15.37 | 166  | 1232146  | 82.35  | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.36 | 204  | 660341   | 81.94  | ng/ul  | 98       |
| 60) 4-Nitroaniline             | 15.42 | 138  | 237359   | 78.37  | ng/ul  | 98       |
| 63) 4,6-Dinitro-2-methylphenol | 15.47 | 198  | 250943   | 91.57  | ng/ul  | 99       |
| 64) N-Nitrosodiphenylamine     | 15.59 | 169  | 1046435  | 85.99  | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.26 | 248  | 401475   | 85.94  | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.37 | 284  | 440310   | 84.76  | ng/ul  | 99       |
| 67) Atrazine                   | 16.54 | 200  | 412200   | 83.74  | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.72 | 266  | 283857   | 87.93  | ng/ul  | 96       |
| 69) Phenanthrene               | 17.11 | 178  | 1834484  | 81.66  | ng/ul  | 99       |
| 71) Anthracene                 | 17.20 | 178  | 1906372  | 82.67  | ng/ul  | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.11 | 216  | 554943   | 85.64  | ng/uL  | 98       |
| 73) Pentachlorobenzene         | 14.64 | 250  | 522149   | 85.10  | ng/uL  | 99       |
| 74) Carbazole                  | 17.47 | 167  | 1645696  | 81.33  | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.03 | 149  | 2026375  | 91.51  | ng/ul  | 100      |
| 76) Fluoranthene               | 19.13 | 202  | 2130419  | 79.25  | ng/ul  | 99       |
| 79) Pyrene                     | 19.50 | 202  | 2198369  | 94.77  | ng/ul  | 97       |
| 80) Butylbenzylphthalate       | 20.40 | 149  | 847473   | 107.74 | ng/ul  | 100      |
| 81) 3,3'-Dichlorobenzidine     | 21.19 | 252  | 626515   | 85.15  | ng/ul  | 100      |
| 82) Benzo(a)anthracene         | 21.25 | 228  | 1994860  | 82.73  | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 1210209  | 103.41 | ng/ul  | 99       |
| 84) Chrysene                   | 21.30 | 228  | 1863093  | 81.55  | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.05 | 149  | 1894248  | 107.22 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.82 | 252  | 1729398  | 87.19  | ng/ul  | 100      |
| 88) Benzo(k)fluoranthene       | 22.87 | 252  | 1696639  | 87.67  | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.40 | 252  | 1616551  | 84.15  | ng/ul  | 100      |
| 91) Indeno(1,2,3-cd)pyrene     | 25.74 | 276  | 1724712  | 78.10  | ng/ul  | 100      |
| 92) Dibenzo(a,h)anthracene     | 25.76 | 278  | 1468273  | 78.83  | ng/ul  | 99       |
| 93) Benzo(g,h,i)perylene       | 26.44 | 276  | 1419692  | 76.88  | ng/ul  | 98       |

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

