

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM071515\  
 Data File : BM001919.D  
 Acq On : 14 Jul 2015 19:39  
 Operator : TP/UM  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02050

Quant Time: Jul 15 05:10:49 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 14 01:40:28 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 73517    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 306488   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.31 | 164  | 195215   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 448199   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.26 | 240  | 473996   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.49 | 264  | 387530   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 12064  | 8.03  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 112039 | 18.66 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 63803  | 19.50 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.19  | 132 | 90506  | 18.99 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 91754  | 18.61 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 42595  | 18.61 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.53  | 143 | 47992  | 18.92 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 100671 | 19.63 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 109617 | 20.77 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.72 | 166 | 302932 | 19.24 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.00 | 160 | 364361 | 19.24 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 49106  | 18.42 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.30 | 176 | 262099 | 19.48 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 52256  | 18.01 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 404306 | 19.22 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.46 | 212 | 444434 | 20.53 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.34 | 264 | 379304 | 19.35 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.17  | 88  | 12188  | 7.69  | ng/uL | 94     |
| 4) Benzaldehyde                | 6.80  | 77  | 48862  | 16.84 | ng/ul | 98     |
| 6) Phenol                      | 6.85  | 94  | 115601 | 18.65 | ng/ul | 98     |
| 8) Bis(2-Chloroethyl)ether     | 7.09  | 93  | 89440  | 19.58 | ng/ul | 97     |
| 10) 2-Chlorophenol             | 7.22  | 128 | 92644  | 19.15 | ng/ul | 99     |
| 11) 2-Methylphenol             | 8.10  | 108 | 87975  | 18.64 | ng/ul | 97     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.19  | 45  | 104450 | 19.59 | ng/ul | 98     |
| 14) Acetophenone               | 8.47  | 105 | 148080 | 19.01 | ng/ul | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.46  | 70  | 75594  | 18.91 | ng/ul | 95     |
| 16) 4-Methylphenol             | 8.43  | 108 | 97304  | 18.84 | ng/ul | 97     |
| 17) Hexachloroethane           | 8.72  | 117 | 36684  | 18.99 | ng/ul | 96     |
| 20) Nitrobenzene               | 8.86  | 77  | 109822 | 19.47 | ng/ul | 99     |
| 21) Isophorone                 | 9.37  | 82  | 198516 | 18.85 | ng/ul | 98     |
| 23) 2-Nitrophenol              | 9.56  | 139 | 52671  | 19.05 | ng/ul | 100    |
| 24) 2,4-Dimethylphenol         | 9.62  | 107 | 114108 | 19.43 | ng/ul | 96     |
| 25) Bis(2-Chloroethoxy)methane | 9.86  | 93  | 120052 | 19.00 | ng/ul | 99     |
| 27) 2,4-Dichlorophenol         | 10.09 | 162 | 97532  | 19.48 | ng/ul | 98     |
| 28) Naphthalene                | 10.49 | 128 | 295929 | 19.12 | ng/ul | 99     |
| 30) 4-Chloroaniline            | 10.61 | 127 | 111537 | 20.46 | ng/ul | 97     |
| 31) Hexachlorobutadiene        | 10.77 | 225 | 71883  | 20.02 | ng/ul | 98     |
| 32) Caprolactam                | 11.37 | 113 | 43590  | 18.43 | ng/ul | 98     |
| 33) 4-Chloro-3-methylphenol    | 11.74 | 107 | 104139 | 18.96 | ng/ul | 99     |
| 34) 2-Methylnaphthalene        | 12.12 | 142 | 220999 | 19.18 | ng/ul | 99     |

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 Operator : TP/UM  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02050

Quant Time: Jul 15 05:10:49 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071315.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 14 01:40:28 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216  | 135380   | 19.42 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.46 | 237  | 74597    | 18.62 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.73 | 196  | 84746    | 19.43 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.80 | 196  | 91408    | 19.24 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.14 | 154  | 301080   | 19.21 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.18 | 162  | 235451   | 19.29 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.39 | 65   | 64899    | 18.87 | ng/ul  | 97       |
| 44) Dimethylphthalate          | 13.77 | 163  | 308514   | 19.26 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.90 | 165  | 63102    | 19.14 | ng/ul  | 97       |
| 47) Acenaphthylene             | 14.03 | 152  | 370162   | 19.16 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.23 | 138  | 55127    | 18.91 | ng/ul  | 99       |
| 49) Acenaphthene               | 14.37 | 153  | 246413   | 19.02 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.44 | 184  | 32880    | 16.53 | ng/ul  | 97       |
| 52) 4-Nitrophenol              | 14.53 | 109  | 47954    | 19.51 | ng/ul  | 92       |
| 53) Dibenzofuran               | 14.71 | 168  | 356510   | 19.15 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.69 | 165  | 91692    | 19.16 | ng/ul  | 96       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.94 | 232  | 81005    | 19.28 | ng/ul# | 96       |
| 56) Diethylphthalate           | 15.14 | 149  | 305441   | 19.24 | ng/ul  | 99       |
| 58) Fluorene                   | 15.36 | 166  | 302145   | 19.36 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.36 | 204  | 165474   | 19.57 | ng/ul  | 98       |
| 60) 4-Nitroaniline             | 15.39 | 138  | 55586    | 18.12 | ng/ul  | 100      |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 55582    | 18.05 | ng/ul  | 95       |
| 64) N-Nitrosodiphenylamine     | 15.57 | 169  | 258550   | 19.31 | ng/ul  | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.26 | 248  | 100347   | 19.58 | ng/ul  | 98       |
| 66) Hexachlorobenzene          | 16.36 | 284  | 109425   | 19.29 | ng/ul  | 99       |
| 67) Atrazine                   | 16.53 | 200  | 104044   | 19.69 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 16.71 | 266  | 63968    | 18.29 | ng/ul  | 100      |
| 69) Phenanthrene               | 17.10 | 178  | 467386   | 19.25 | ng/ul  | 99       |
| 71) Anthracene                 | 17.19 | 178  | 482779   | 19.27 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.10 | 216  | 135871   | 19.79 | ng/uL  | 98       |
| 73) Pentachlorobenzene         | 14.63 | 250  | 131391   | 19.65 | ng/uL  | 98       |
| 74) Carbazole                  | 17.47 | 167  | 416534   | 19.30 | ng/ul  | 100      |
| 75) Di-n-butylphthalate        | 18.03 | 149  | 497942   | 19.11 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.12 | 202  | 553334   | 19.50 | ng/ul  | 99       |
| 79) Pyrene                     | 19.49 | 202  | 577073   | 20.35 | ng/ul  | 98       |
| 80) Butylbenzylphthalate       | 20.39 | 149  | 209331   | 19.41 | ng/ul  | 100      |
| 81) 3,3'-Dichlorobenzidine     | 21.18 | 252  | 161994   | 18.43 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.24 | 228  | 544363   | 19.30 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 288217   | 18.23 | ng/ul  | 99       |
| 84) Chrysene                   | 21.29 | 228  | 509823   | 19.29 | ng/ul  | 100      |
| 86) Di-n-octyl phthalate       | 22.04 | 149  | 450607   | 18.67 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.82 | 252  | 463985   | 19.54 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 22.86 | 252  | 462027   | 20.23 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.39 | 252  | 434271   | 19.46 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.73 | 276  | 439613   | 18.77 | ng/ul  | 98       |
| 92) Dibenzo(a,h)anthracene     | 25.74 | 278  | 373508   | 18.85 | ng/ul  | 98       |
| 93) Benzo(g,h,i)perylene       | 26.41 | 276  | 361166   | 18.76 | ng/ul  | 98       |

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

