

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM123114\  
 Data File : BM000097.D  
 Acq On : 31 Dec 2014 19:03  
 Operator : TP/IZ  
 Sample : MDL-06-W  
 Misc : MDL-06-WATER-8PPM  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jan 01 01:10:29 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM122914.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 01 00:20:29 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 177561   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.63 | 136  | 732983   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.47 | 164  | 499355   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.21 | 188  | 933935   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.40 | 240  | 845122   | 20.00 | ng/ul | -0.01    |
| 83) Perylene-d12          | 23.69 | 264  | 726580   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.32  | 96  | 17866   | 5.83  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.00  | 99  | 562143  | 36.55 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.17  | 67  | 320977  | 34.13 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.37  | 132 | 413736  | 37.78 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.54  | 113 | 429842  | 35.37 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.00  | 128 | 181414  | 35.79 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.72  | 143 | 202850  | 39.26 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.25 | 165 | 406066  | 35.38 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.77 | 131 | 249427  | 19.24 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.89 | 166 | 1227216 | 33.32 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.16 | 160 | 1485448 | 33.67 | ng/ul | -0.01 |
| 51) 4-Nitrophenol-d4           | 14.67 | 143 | 164335  | 27.62 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.47 | 176 | 1043555 | 33.00 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 153616  | 33.17 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.32 | 188 | 1484230 | 34.37 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.61 | 212 | 1475634 | 37.85 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 23.56 | 264 | 1073938 | 32.75 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |        |      |        | Qvalue |
|--------------------------------|-------|-----|--------|------|--------|--------|
| 2) 1,4-Dioxane                 | 3.35  | 88  | 29390  | 6.92 | ng/uL  | 89     |
| 4) Benzaldehyde                | 6.98  | 77  | 31287  | 3.27 | ng/ul  | 95     |
| 6) Phenol                      | 7.03  | 94  | 116559 | 7.28 | ng/ul  | 93     |
| 8) Bis(2-Chloroethyl)ether     | 7.27  | 93  | 83982  | 6.86 | ng/ul  | 96     |
| 10) 2-Chlorophenol             | 7.41  | 128 | 85711  | 7.48 | ng/ul  | 95     |
| 11) 2-Methylphenol             | 8.28  | 108 | 87305  | 7.07 | ng/ul  | 90     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.38  | 45  | 138535 | 7.02 | ng/ul  | 99     |
| 14) Acetophenone               | 8.65  | 105 | 131866 | 6.36 | ng/ul  | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.64  | 70  | 72004  | 6.63 | ng/ul  | 92     |
| 16) 4-Methylphenol             | 8.60  | 108 | 93282  | 6.98 | ng/ul  | 99     |
| 17) Hexachloroethane           | 8.92  | 117 | 35326  | 6.75 | ng/ul  | 88     |
| 20) Nitrobenzene               | 9.04  | 77  | 109337 | 7.24 | ng/ul  | 97     |
| 21) Isophorone                 | 9.56  | 82  | 183605 | 6.30 | ng/ul  | 97     |
| 23) 2-Nitrophenol              | 9.75  | 139 | 41733  | 7.30 | ng/ul  | 92     |
| 24) 2,4-Dimethylphenol         | 9.81  | 107 | 111917 | 7.22 | ng/ul  | 100    |
| 25) Bis(2-Chloroethoxy)methane | 10.05 | 93  | 105689 | 6.52 | ng/ul# | 97     |
| 27) 2,4-Dichlorophenol         | 10.28 | 162 | 83531  | 7.32 | ng/ul  | 95     |
| 28) Naphthalene                | 10.69 | 128 | 255226 | 6.83 | ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.79 | 127 | 42098  | 3.14 | ng/ul  | 99     |
| 31) Hexachlorobutadiene        | 10.97 | 225 | 58393  | 7.22 | ng/ul  | 96     |
| 32) Caprolactam                | 11.58 | 113 | 19504m | 5.13 | ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 11.91 | 107 | 91316  | 6.52 | ng/ul  | 98     |
| 34) 2-Methylnaphthalene        | 12.29 | 142 | 189126 | 6.82 | ng/ul  | 97     |

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 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jan 01 01:10:29 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM122914.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 01 00:20:29 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.67 | 216  | 99388    | 7.18 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.64 | 237  | 53119    | 5.81 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.91 | 196  | 61946    | 7.01 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.97 | 196  | 65027    | 6.78 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.31 | 154  | 246881   | 6.86 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.35 | 162  | 189365   | 6.86 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.55 | 65   | 58093    | 6.50 | ng/ul  | 92       |
| 44) Dimethylphthalate          | 13.93 | 163  | 248219   | 6.77 | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 14.05 | 165  | 42148    | 6.42 | ng/ul# | 91       |
| 47) Acenaphthylene             | 14.20 | 152  | 314254   | 6.76 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.38 | 138  | 19168    | 2.85 | ng/ul# | 91       |
| 49) Acenaphthene               | 14.54 | 153  | 198065   | 6.68 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.57 | 184  | 18518    | 5.56 | ng/ul  | 92       |
| 52) 4-Nitrophenol              | 14.68 | 109  | 46186    | 5.84 | ng/ul  | 95       |
| 53) Dibenzofuran               | 14.87 | 168  | 283562   | 6.60 | ng/ul  | 96       |
| 54) 2,4-Dinitrotoluene         | 14.84 | 165  | 61065    | 6.24 | ng/ul  | 91       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.10 | 232  | 53759    | 6.50 | ng/ul  | 91       |
| 56) Diethylphthalate           | 15.29 | 149  | 242803   | 6.30 | ng/ul  | 98       |
| 58) Fluorene                   | 15.52 | 166  | 234934   | 6.59 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.51 | 204  | 116924   | 6.65 | ng/ul  | 95       |
| 60) 4-Nitroaniline             | 15.53 | 138  | 33498    | 4.41 | ng/ul  | 99       |
| 63) 4,6-Dinitro-2-methylphenol | 15.59 | 198  | 31626    | 6.67 | ng/ul# | 84       |
| 64) N-Nitrosodiphenylamine     | 15.73 | 169  | 177494   | 6.55 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.41 | 248  | 72068    | 7.57 | ng/ul  | 93       |
| 66) Hexachlorobenzene          | 16.52 | 284  | 78058    | 7.11 | ng/ul  | 92       |
| 67) Atrazine                   | 16.68 | 200  | 3179     | 0.30 | ng/ul# | 94       |
| 68) Pentachlorophenol          | 16.86 | 266  | 37100    | 5.56 | ng/ul  | 92       |
| 69) Phenanthrene               | 17.26 | 178  | 354492   | 7.01 | ng/ul  | 99       |
| 71) Anthracene                 | 17.35 | 178  | 355136   | 6.83 | ng/ul  | 98       |
| 72) Carbazole                  | 17.61 | 167  | 275965   | 5.89 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.19 | 149  | 350296   | 6.27 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.27 | 202  | 372380   | 6.42 | ng/ul  | 99       |
| 77) Pyrene                     | 19.64 | 202  | 382467   | 7.51 | ng/ul  | 99       |
| 78) Butylbenzylphthalate       | 20.54 | 149  | 127389   | 6.15 | ng/ul  | 97       |
| 79) 3,3'-Dichlorobenzidine     | 21.33 | 252  | 13561    | 0.88 | ng/ul# | 88       |
| 80) Benzo(a)anthracene         | 21.39 | 228  | 335163   | 6.87 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 186776   | 6.20 | ng/ul  | 99       |
| 82) Chrysene                   | 21.43 | 228  | 308692   | 6.87 | ng/ul  | 100      |
| 84) Di-n-octyl phthalate       | 22.21 | 149  | 305001   | 6.10 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 23.00 | 252  | 315133   | 6.80 | ng/ul# | 96       |
| 86) Benzo(k)fluoranthene       | 23.04 | 252  | 314200   | 7.94 | ng/ul  | 99       |
| 88) Benzo(a)pyrene             | 23.59 | 252  | 306082   | 7.52 | ng/ul  | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.03 | 276  | 361394   | 8.50 | ng/ul  | 98       |
| 90) Dibenzo(a,h)anthracene     | 26.04 | 278  | 311880   | 8.72 | ng/ul  | 98       |
| 91) Benzo(g,h,i)perylene       | 26.75 | 276  | 303357   | 8.69 | ng/ul  | 97       |

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

