

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122914\  
 Data File : BM000052.D  
 Acq On : 29 Dec 2014 10:34  
 Operator : TP  
 Sample : SSTD01002  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD01002

Quant Time: Dec 29 12:17:09 2014  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM122914.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Dec 29 11:57:04 2014  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.85  | 152  | 165859   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.64 | 136  | 741595   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.48 | 164  | 541039   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.23 | 188  | 1164187  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.41 | 240  | 1438218  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.71 | 264  | 1413756  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.33  | 96  | 11645   | 3.61  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.00  | 99  | 141058  | 10.24 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.18  | 67  | 91428   | 11.07 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.37  | 132 | 103516  | 10.49 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.54  | 113 | 114830  | 10.85 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.00  | 128 | 50101   | 11.06 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.73  | 143 | 47793   | 10.41 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.25 | 165 | 115210m | 10.85 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.77 | 131 | 124462  | 13.34 | ng/ul | -0.01 |
| 43) Dimethylphthalate-d6       | 13.89 | 166 | 409956  | 11.31 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.17 | 160 | 489595  | 11.41 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.67 | 143 | 58051   | 9.87  | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.48 | 176 | 355751  | 11.67 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 46645   | 9.44  | ng/ul | -0.01 |
| 70) Anthracene-d10             | 17.32 | 188 | 558589  | 11.20 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.61 | 212 | 638547  | 10.52 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 23.56 | 264 | 643321  | 10.82 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |         |       |        | Qvalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.36  | 88  | 16189   | 4.18  | ng/uL  | 89     |
| 4) Benzaldehyde                | 6.98  | 77  | 107728  | 18.85 | ng/ul  | 99     |
| 6) Phenol                      | 7.03  | 94  | 149256  | 9.97  | ng/ul  | 95     |
| 8) Bis(2-Chloroethyl)ether     | 7.27  | 93  | 120340  | 10.61 | ng/ul  | 99     |
| 10) 2-Chlorophenol             | 7.41  | 128 | 108446  | 10.09 | ng/ul  | 98     |
| 11) 2-Methylphenol             | 8.28  | 108 | 115660  | 10.12 | ng/ul  | 96     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.38  | 45  | 198400  | 10.81 | ng/ul  | 99     |
| 14) Acetophenone               | 8.66  | 105 | 206571  | 11.39 | ng/ul  | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.65  | 70  | 107766  | 10.57 | ng/ul  | 99     |
| 16) 4-Methylphenol             | 8.61  | 108 | 126806  | 10.24 | ng/ul  | 99     |
| 17) Hexachloroethane           | 8.93  | 117 | 51105   | 10.91 | ng/ul  | 93     |
| 20) Nitrobenzene               | 9.04  | 77  | 151480  | 10.85 | ng/ul  | 99     |
| 21) Isophorone                 | 9.57  | 82  | 300158  | 10.44 | ng/ul  | 99     |
| 23) 2-Nitrophenol              | 9.75  | 139 | 53689   | 10.09 | ng/ul# | 93     |
| 24) 2,4-Dimethylphenol         | 9.81  | 107 | 158616  | 10.62 | ng/ul  | 97     |
| 25) Bis(2-Chloroethoxy)methane | 10.05 | 93  | 168991  | 10.37 | ng/ul  | 98     |
| 27) 2,4-Dichlorophenol         | 10.29 | 162 | 115213  | 10.47 | ng/ul  | 95     |
| 28) Naphthalene                | 10.69 | 128 | 385376  | 10.73 | ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.79 | 127 | 128141m | 12.71 | ng/ul  |        |
| 31) Hexachlorobutadiene        | 10.97 | 225 | 83222   | 10.98 | ng/ul  | 98     |
| 32) Caprolactam                | 11.54 | 113 | 37465   | 9.54  | ng/ul  | 91     |
| 33) 4-Chloro-3-methylphenol    | 11.91 | 107 | 145098  | 10.68 | ng/ul  | 97     |
| 34) 2-Methylnaphthalene        | 12.30 | 142 | 291494  | 10.82 | ng/ul  | 98     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.66 | 216  | 153363   | 11.04 | ng/ul# | 96       |
| 37) Hexachlorocyclopentadiene  | 12.65 | 237  | 86828    | 9.39  | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.90 | 196  | 92457    | 9.99  | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.97 | 196  | 105252   | 10.62 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 13.32 | 154  | 398037   | 10.89 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.35 | 162  | 304784   | 10.82 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.56 | 65   | 89318    | 10.61 | ng/ul  | 96       |
| 44) Dimethylphthalate          | 13.93 | 163  | 401842   | 10.68 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.06 | 165  | 68315    | 10.82 | ng/ul  | 95       |
| 47) Acenaphthylene             | 14.20 | 152  | 516075   | 10.86 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.38 | 138  | 67067    | 10.92 | ng/ul# | 97       |
| 49) Acenaphthene               | 14.54 | 153  | 331855   | 10.79 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.59 | 184  | 27517    | 8.79  | ng/ul  | 87       |
| 52) 4-Nitrophenol              | 14.68 | 109  | 77987    | 10.59 | ng/ul  | 97       |
| 53) Dibenzofuran               | 14.88 | 168  | 484993   | 11.09 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.84 | 165  | 102645   | 11.10 | ng/ul# | 93       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.10 | 232  | 89136    | 10.27 | ng/ul  | 98       |
| 56) Diethylphthalate           | 15.31 | 149  | 427497   | 10.65 | ng/ul  | 99       |
| 58) Fluorene                   | 15.53 | 166  | 405036   | 11.15 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.52 | 204  | 199222   | 11.45 | ng/ul  | 98       |
| 60) 4-Nitroaniline             | 15.55 | 138  | 84442    | 10.67 | ng/ul  | 93       |
| 63) 4,6-Dinitro-2-methylphenol | 15.60 | 198  | 47962    | 8.93  | ng/ul  | 91       |
| 64) N-Nitrosodiphenylamine     | 15.74 | 169  | 346140   | 10.63 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.41 | 248  | 122288   | 10.70 | ng/ul# | 87       |
| 66) Hexachlorobenzene          | 16.53 | 284  | 140159   | 10.64 | ng/ul  | 97       |
| 67) Atrazine                   | 16.69 | 200  | 135196   | 14.63 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 16.87 | 266  | 75568m   | 9.44  | ng/ul  |          |
| 69) Phenanthrene               | 17.27 | 178  | 650679   | 10.64 | ng/ul  | 99       |
| 71) Anthracene                 | 17.35 | 178  | 680215   | 11.10 | ng/ul  | 99       |
| 72) Carbazole                  | 17.63 | 167  | 626743   | 11.16 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.20 | 149  | 727791   | 10.21 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.28 | 202  | 785043   | 11.38 | ng/ul  | 99       |
| 77) Pyrene                     | 19.65 | 202  | 837026   | 10.11 | ng/ul  | 100      |
| 78) Butylbenzylphthalate       | 20.55 | 149  | 330238   | 9.17  | ng/ul  | 99       |
| 79) 3,3'-Dichlorobenzidine     | 21.33 | 252  | 249814   | 9.84  | ng/ul  | 99       |
| 80) Benzo(a)anthracene         | 21.40 | 228  | 858756   | 10.91 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.33 | 149  | 500765   | 9.35  | ng/ul  | 100      |
| 82) Chrysene                   | 21.44 | 228  | 786968   | 10.94 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.22 | 149  | 869146   | 9.05  | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 23.01 | 252  | 850458   | 9.78  | ng/ul# | 99       |
| 86) Benzo(k)fluoranthene       | 23.05 | 252  | 830388   | 11.45 | ng/ul  | 99       |
| 88) Benzo(a)pyrene             | 23.60 | 252  | 812051   | 10.70 | ng/ul  | 97       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.05 | 276  | 871259   | 10.89 | ng/ul  | 97       |
| 90) Dibenzo(a,h)anthracene     | 26.06 | 278  | 730295   | 10.89 | ng/ul  | 99       |
| 91) Benzo(g,h,i)perylene       | 26.76 | 276  | 711558   | 10.87 | ng/ul  | 98       |

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

