

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM041515\  
 Data File : BM001008.D  
 Acq On : 15 Apr 2015 14:07  
 Operator : TP/IZ  
 Sample : SSTD00521  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD00521

Quant Time: Apr 15 16:30:01 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM041515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Apr 15 16:01:12 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.58  | 152  | 220257   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.36 | 136  | 913781   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.24 | 164  | 510207   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.99 | 188  | 1075163  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.19 | 240  | 1141448  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.37 | 264  | 1074337  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.05  | 96  | 9843   | 2.05 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.76  | 99  | 81072  | 4.77 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.92  | 67  | 53608  | 5.12 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.12  | 132 | 65965  | 4.84 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 61153  | 4.58 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.74  | 128 | 27668  | 4.72 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.46  | 143 | 29816  | 4.73 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.99  | 165 | 60822  | 4.86 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.51 | 131 | 49631  | 3.29 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.66 | 166 | 164223 | 4.99 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.93 | 160 | 229465 | 4.79 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.46 | 143 | 22689  | 3.44 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.24 | 176 | 173429 | 5.16 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.37 | 200 | 19819  | 3.41 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.09 | 188 | 235736 | 4.85 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.39 | 212 | 253308 | 4.92 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.23 | 264 | 232280 | 4.98 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |      |        | Qvalue |
|--------------------------------|-------|-----|--------|------|--------|--------|
| 2) 1,4-Dioxane                 | 3.08  | 88  | 10294  | 1.95 | ng/uL# | 86     |
| 4) Benzaldehyde                | 6.73  | 77  | 51387  | 6.27 | ng/ul  | 98     |
| 6) Phenol                      | 6.79  | 94  | 85102  | 4.57 | ng/ul  | 97     |
| 8) Bis(2-Chloroethyl)ether     | 7.02  | 93  | 71114  | 4.86 | ng/ul  | 99     |
| 10) 2-Chlorophenol             | 7.15  | 128 | 74308  | 5.03 | ng/ul  | 98     |
| 11) 2-Methylphenol             | 8.03  | 108 | 62964  | 4.56 | ng/ul  | 96     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.12  | 45  | 128763 | 5.02 | ng/ul  | 99     |
| 14) Acetophenone               | 8.40  | 105 | 106166 | 4.89 | ng/ul  | 93     |
| 15) N-Nitroso-di-n-propylamine | 8.39  | 70  | 49696  | 4.86 | ng/ul  | 98     |
| 16) 4-Methylphenol             | 8.36  | 108 | 69652  | 4.62 | ng/ul  | 100    |
| 17) Hexachloroethane           | 8.65  | 117 | 27430  | 4.78 | ng/ul  | 91     |
| 20) Nitrobenzene               | 8.78  | 77  | 74477  | 4.65 | ng/ul  | 99     |
| 21) Isophorone                 | 9.30  | 82  | 126465 | 4.72 | ng/ul# | 94     |
| 23) 2-Nitrophenol              | 9.49  | 139 | 32641  | 4.47 | ng/ul# | 90     |
| 24) 2,4-Dimethylphenol         | 9.56  | 107 | 77431  | 4.91 | ng/ul  | 98     |
| 25) Bis(2-Chloroethoxy)methane | 9.79  | 93  | 89271  | 4.80 | ng/ul  | 98     |
| 27) 2,4-Dichlorophenol         | 10.02 | 162 | 63509  | 4.90 | ng/ul  | 98     |
| 28) Naphthalene                | 10.42 | 128 | 239490 | 4.91 | ng/ul  | 97     |
| 30) 4-Chloroaniline            | 10.53 | 127 | 50966  | 3.19 | ng/ul  | 93     |
| 31) Hexachlorobutadiene        | 10.70 | 225 | 40207  | 4.92 | ng/ul  | 92     |
| 32) Caprolactam                | 11.27 | 113 | 13331  | 3.59 | ng/ul  | 91     |
| 33) 4-Chloro-3-methylphenol    | 11.67 | 107 | 63779  | 4.76 | ng/ul  | 98     |
| 34) 2-Methylnaphthalene        | 12.04 | 142 | 167045 | 5.02 | ng/ul  | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.42 | 216  | 78537    | 4.95 | ng/ul  | 96       |
| 37) Hexachlorocyclopentadiene  | 12.40 | 237  | 34489    | 4.00 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.66 | 196  | 46125    | 5.37 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.73 | 196  | 45280    | 4.68 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.07 | 154  | 214571   | 4.94 | ng/ul  | 96       |
| 41) 2-Chloronaphthalene        | 13.11 | 162  | 164974   | 4.96 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.32 | 65   | 34429    | 4.36 | ng/ul  | 94       |
| 44) Dimethylphthalate          | 13.70 | 163  | 186797   | 4.90 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 13.83 | 165  | 28050    | 4.04 | ng/ul  | 93       |
| 47) Acenaphthylene             | 13.96 | 152  | 259295   | 4.82 | ng/ul  | 97       |
| 48) 3-Nitroaniline             | 14.15 | 138  | 24474    | 3.31 | ng/ul  | 94       |
| 49) Acenaphthene               | 14.31 | 153  | 174864   | 4.93 | ng/ul  | 95       |
| 50) 2,4-Dinitrophenol          | 14.37 | 184  | 11232    | 2.97 | ng/ul# | 86       |
| 52) 4-Nitrophenol              | 14.47 | 109  | 18777    | 3.74 | ng/ul  | 91       |
| 53) Dibenzofuran               | 14.64 | 168  | 246984   | 4.98 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.62 | 165  | 43117    | 4.19 | ng/ul  | 95       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.87 | 232  | 38611    | 5.07 | ng/ul  | 96       |
| 56) Diethylphthalate           | 15.07 | 149  | 180514   | 4.82 | ng/ul  | 97       |
| 58) Fluorene                   | 15.30 | 166  | 198525   | 4.87 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.29 | 204  | 96685    | 5.04 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.32 | 138  | 28526    | 3.43 | ng/ul  | 95       |
| 63) 4,6-Dinitro-2-methylphenol | 15.38 | 198  | 22245    | 3.42 | ng/ul# | 91       |
| 64) N-Nitrosodiphenylamine     | 15.51 | 169  | 161695   | 4.87 | ng/ul  | 95       |
| 65) 4-Bromophenyl-phenylether  | 16.19 | 248  | 49542    | 4.75 | ng/ul  | 90       |
| 66) Hexachlorobenzene          | 16.30 | 284  | 59099    | 5.07 | ng/ul  | 92       |
| 67) Atrazine                   | 16.46 | 200  | 47428    | 4.53 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.65 | 266  | 23664    | 3.95 | ng/ul  | 89       |
| 69) Phenanthrene               | 17.03 | 178  | 305717   | 4.93 | ng/ul  | 100      |
| 71) Anthracene                 | 17.12 | 178  | 307768   | 4.90 | ng/ul  | 98       |
| 72) Carbazole                  | 17.40 | 167  | 266157   | 4.78 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 17.97 | 149  | 272758   | 4.72 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.06 | 202  | 323726   | 4.87 | ng/ul  | 99       |
| 77) Pyrene                     | 19.42 | 202  | 361312   | 4.97 | ng/ul  | 96       |
| 78) Butylbenzylphthalate       | 20.33 | 149  | 110369   | 4.66 | ng/ul  | 97       |
| 79) 3,3'-Dichlorobenzidine     | 21.12 | 252  | 70379    | 3.91 | ng/ul  | 98       |
| 80) Benzo(a)anthracene         | 21.18 | 228  | 329012   | 4.92 | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 21.12 | 149  | 168710   | 4.69 | ng/ul  | 100      |
| 82) Chrysene                   | 21.23 | 228  | 322908   | 4.97 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 21.98 | 149  | 300510   | 4.44 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 22.72 | 252  | 319367   | 4.85 | ng/ul  | 96       |
| 86) Benzo(k)fluoranthene       | 22.76 | 252  | 302008   | 4.83 | ng/ul  | 97       |
| 88) Benzo(a)pyrene             | 23.27 | 252  | 302052   | 4.80 | ng/ul  | 98       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.53 | 276  | 331828   | 4.77 | ng/ul  | 97       |
| 90) Dibenzo(a,h)anthracene     | 25.54 | 278  | 283045   | 4.86 | ng/ul  | 99       |
| 91) Benzo(g,h,i)perylene       | 26.20 | 276  | 279815   | 4.72 | ng/ul  | 95       |

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

