

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM081115\  
 Data File : BM002320.D  
 Acq On : 11 Aug 2015 10:44  
 Operator : UM/IZ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02021

Quant Time: Aug 11 12:40:37 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 11 01:34:33 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.90  | 152  | 169404   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.77 | 136  | 806058   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 15.49 | 164  | 446305   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 18.19 | 188  | 946308   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 22.29 | 240  | 974312   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.99 | 264  | 951089   | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.92  | 96  | 30028   | 8.19  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 8.00  | 99  | 299009  | 19.51 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 8.19  | 67  | 171132  | 18.91 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 8.41  | 132 | 258022  | 20.38 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.59  | 113 | 254118  | 19.36 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 10.10 | 128 | 125337  | 20.74 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.83 | 143 | 129093  | 24.15 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 11.37 | 165 | 244544  | 20.85 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.89 | 131 | 358107  | 23.01 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.86 | 166 | 728641  | 19.83 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 15.19 | 160 | 935039  | 20.22 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 15.62 | 143 | 142745  | 21.53 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 16.46 | 176 | 644908  | 20.06 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 16.55 | 200 | 96153   | 25.86 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 18.29 | 188 | 929510  | 20.24 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 20.51 | 212 | 951998  | 20.15 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.81 | 264 | 1023337 | 20.26 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.96  | 88  | 31856  | 7.71  | ng/uL# | 2      |
| 4) Benzaldehyde                | 8.00  | 77  | 191556 | 21.19 | ng/ul  | 99     |
| 6) Phenol                      | 8.03  | 94  | 304339 | 19.38 | ng/ul  | 93     |
| 8) Bis(2-Chloroethyl)ether     | 8.28  | 93  | 238645 | 19.74 | ng/ul  | 96     |
| 10) 2-Chlorophenol             | 8.45  | 128 | 258333 | 20.00 | ng/ul  | 94     |
| 11) 2-Methylphenol             | 9.32  | 108 | 241554 | 19.44 | ng/ul  | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 9.43  | 45  | 387730 | 17.99 | ng/ul  | 99     |
| 14) Acetophenone               | 9.74  | 105 | 385342 | 19.71 | ng/ul  | 97     |
| 15) N-Nitroso-di-n-propylamine | 9.71  | 70  | 194424 | 18.52 | ng/ul  | 98     |
| 16) 4-Methylphenol             | 9.66  | 108 | 264240 | 19.42 | ng/ul  | 99     |
| 17) Hexachloroethane           | 10.02 | 117 | 98144  | 19.24 | ng/ul  | 97     |
| 20) Nitrobenzene               | 10.14 | 77  | 270247 | 19.28 | ng/ul  | 95     |
| 21) Isophorone                 | 10.66 | 82  | 527619 | 18.86 | ng/ul  | 99     |
| 23) 2-Nitrophenol              | 10.86 | 139 | 145717 | 23.96 | ng/ul  | 92     |
| 24) 2,4-Dimethylphenol         | 10.89 | 107 | 286376 | 19.20 | ng/ul  | 98     |
| 25) Bis(2-Chloroethoxy)methane | 11.13 | 93  | 335442 | 19.38 | ng/ul  | 99     |
| 27) 2,4-Dichlorophenol         | 11.40 | 162 | 237519 | 21.08 | ng/ul  | 97     |
| 28) Naphthalene                | 11.83 | 128 | 847678 | 19.97 | ng/ul  | 99     |
| 30) 4-Chloroaniline            | 11.92 | 127 | 352274 | 22.80 | ng/ul  | 98     |
| 31) Hexachlorobutadiene        | 12.08 | 225 | 132310 | 20.31 | ng/ul  | 97     |
| 32) Caprolactam                | 12.65 | 113 | 94193  | 20.25 | ng/ul  | 81     |
| 33) 4-Chloro-3-methylphenol    | 12.96 | 107 | 270405 | 19.15 | ng/ul  | 94     |
| 34) 2-Methylnaphthalene        | 13.37 | 142 | 602446 | 19.87 | ng/ul  | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 13.58 | 142  | 592995   | 19.84 | ng/ul  | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.72 | 216  | 265498   | 20.72 | ng/ul  | 98       |
| 38) Hexachlorocyclopentadiene  | 13.69 | 237  | 149924   | 19.77 | ng/ul  | 98       |
| 39) 2,4,6-Trichlorophenol      | 13.94 | 196  | 182939   | 22.92 | ng/ul  | 100      |
| 40) 2,4,5-Trichlorophenol      | 14.01 | 196  | 199034   | 22.22 | ng/ul  | 98       |
| 41) 1,1'-Biphenyl              | 14.33 | 154  | 772625   | 20.47 | ng/ul  | 99       |
| 42) 2-Chloronaphthalene        | 14.39 | 162  | 584774   | 20.39 | ng/ul  | 99       |
| 43) 2-Nitroaniline             | 14.57 | 65   | 169115   | 19.44 | ng/ul  | 89       |
| 45) Dimethylphthalate          | 14.91 | 163  | 746474   | 19.91 | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene         | 15.04 | 165  | 153194   | 21.83 | ng/ul  | 95       |
| 48) Acenaphthylene             | 15.22 | 152  | 967531   | 20.16 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 15.37 | 138  | 180826   | 23.82 | ng/ul# | 90       |
| 50) Acenaphthene               | 15.55 | 153  | 647039   | 20.04 | ng/ul  | 99       |
| 51) 2,4-Dinitrophenol          | 15.57 | 184  | 65216    | 26.92 | ng/ul# | 1        |
| 53) 4-Nitrophenol              | 15.64 | 109  | 97992    | 20.14 | ng/ul  | 92       |
| 54) Dibenzofuran               | 15.87 | 168  | 864212   | 20.06 | ng/ul  | 98       |
| 55) 2,4-Dinitrotoluene         | 15.82 | 165  | 223617   | 22.45 | ng/ul  | 91       |
| 56) 2,3,4,6-Tetrachlorophenol  | 16.08 | 232  | 156483   | 22.96 | ng/ul  | 97       |
| 57) Diethylphthalate           | 16.24 | 149  | 777238   | 19.39 | ng/ul  | 99       |
| 59) Fluorene                   | 16.51 | 166  | 731054   | 20.11 | ng/ul  | 99       |
| 60) 4-Chlorophenyl-phenylether | 16.49 | 204  | 337832   | 20.27 | ng/ul  | 95       |
| 61) 4-Nitroaniline             | 16.52 | 138  | 186269   | 21.21 | ng/ul  | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 16.57 | 198  | 107754   | 25.80 | ng/ul# | 88       |
| 65) N-Nitrosodiphenylamine     | 16.69 | 169  | 622725   | 20.07 | ng/ul  | 100      |
| 66) 4-Bromophenyl-phenylether  | 17.37 | 248  | 200433   | 20.27 | ng/ul  | 99       |
| 67) Hexachlorobenzene          | 17.50 | 284  | 229685   | 20.39 | ng/ul  | 98       |
| 68) Atrazine                   | 17.60 | 200  | 221761   | 20.53 | ng/ul  | 99       |
| 69) Pentachlorophenol          | 17.83 | 266  | 125087   | 22.63 | ng/ul  | 98       |
| 70) Phenanthrene               | 18.24 | 178  | 1099559  | 20.19 | ng/ul  | 100      |
| 72) Anthracene                 | 18.33 | 178  | 1135895  | 20.19 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 14.31 | 216  | 270012   | 20.97 | ng/uL  | 99       |
| 74) Pentachlorobenzene         | 15.79 | 250  | 259341   | 20.83 | ng/uL  | 99       |
| 75) Carbazole                  | 18.58 | 167  | 1057535  | 20.77 | ng/ul  | 100      |
| 76) Di-n-butylphthalate        | 19.07 | 149  | 1358794  | 19.90 | ng/ul  | 100      |
| 77) Fluoranthene               | 20.19 | 202  | 1217388  | 21.12 | ng/ul  | 98       |
| 80) Pyrene                     | 20.54 | 202  | 1268383  | 20.14 | ng/ul  | 99       |
| 81) Butylbenzylphthalate       | 21.36 | 149  | 616335   | 19.81 | ng/ul  | 94       |
| 82) 3,3'-Dichlorobenzidine     | 22.17 | 252  | 432713   | 23.12 | ng/ul  | 97       |
| 83) Benzo(a)anthracene         | 22.27 | 228  | 1203452  | 20.23 | ng/ul  | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 22.12 | 149  | 901860   | 20.04 | ng/ul  | 99       |
| 85) Chrysene                   | 22.33 | 228  | 1139366  | 20.21 | ng/ul  | 100      |
| 87) Di-n-octyl phthalate       | 23.14 | 149  | 1536636  | 21.16 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 24.15 | 252  | 1185098  | 20.05 | ng/ul  | 99       |
| 89) Benzo(k)fluoranthene       | 24.20 | 252  | 1180693  | 20.80 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 24.87 | 252  | 1146246  | 20.26 | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 27.83 | 276  | 1259347  | 19.42 | ng/ul  | 99       |
| 93) Dibenzo(a,h)anthracene     | 27.84 | 278  | 1058548  | 19.27 | ng/ul  | 99       |
| 94) Benzo(g,h,i)perylene       | 28.72 | 276  | 1030793  | 18.84 | ng/ul  | 99       |

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

