

Data Path : Z:\HPCHEM1\BNA M\Data\BM012615\  
 Data File : BM000365.D  
 Acq On : 26 Jan 2015 20:29  
 Operator : TP/IZ  
 Sample : SSTD02049  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTD02049

Quant Time: Jan 27 01:10:48 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM01.2-EPA-BM012315.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 27 00:08:46 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 130620   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.56 | 136  | 511571   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.41 | 164  | 372512   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.15 | 188  | 836712   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.34 | 240  | 1116434  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.60 | 264  | 1086250  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 30035   | 10.08 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.93  | 99  | 192536  | 17.40 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 142050  | 18.59 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 145288  | 18.42 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.47  | 113 | 134160  | 15.73 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.92  | 128 | 79434   | 20.55 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.64  | 143 | 67335   | 18.82 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.18 | 165 | 146771  | 18.87 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.69 | 131 | 189873  | 19.95 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.82 | 166 | 491514  | 18.38 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.10 | 160 | 667967  | 20.45 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.61 | 143 | 84605   | 19.12 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.40 | 176 | 487123  | 20.30 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 84636   | 19.18 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.25 | 188 | 829623  | 20.88 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.55 | 212 | 920971  | 18.59 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.46 | 264 | 1002942 | 20.30 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |       | Ovalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.28  | 88  | 38128  | 9.45  | ng/uL | 91     |
| 4) Benzaldehyde                | 6.91  | 77  | 174716 | 20.69 | ng/ul | 99     |
| 6) Phenol                      | 6.96  | 94  | 209817 | 18.04 | ng/ul | 96     |
| 8) Bis(2-Chloroethyl)ether     | 7.19  | 93  | 174178 | 18.49 | ng/ul | 95     |
| 10) 2-Chlorophenol             | 7.33  | 128 | 150618 | 18.21 | ng/ul | 95     |
| 11) 2-Methylphenol             | 8.21  | 108 | 137964 | 16.04 | ng/ul | 97     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.30  | 45  | 263711 | 15.59 | ng/ul | 97     |
| 14) Acetophenone               | 8.59  | 105 | 314294 | 18.66 | ng/ul | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.57  | 70  | 142644 | 16.41 | ng/ul | 91     |
| 16) 4-Methylphenol             | 8.53  | 108 | 156221 | 16.40 | ng/ul | 83     |
| 17) Hexachloroethane           | 8.85  | 117 | 90953  | 20.92 | ng/ul | 90     |
| 20) Nitrobenzene               | 8.97  | 77  | 262142 | 20.98 | ng/ul | 96     |
| 21) Isophorone                 | 9.49  | 82  | 375305 | 17.47 | ng/ul | 98     |
| 23) 2-Nitrophenol              | 9.67  | 139 | 79027  | 20.00 | ng/ul | 97     |
| 24) 2,4-Dimethylphenol         | 9.73  | 107 | 192028 | 17.62 | ng/ul | 91     |
| 25) Bis(2-Chloroethoxy)methane | 9.97  | 93  | 205620 | 17.77 | ng/ul | 98     |
| 27) 2,4-Dichlorophenol         | 10.20 | 162 | 152658 | 19.53 | ng/ul | 100    |
| 28) Naphthalene                | 10.61 | 128 | 537326 | 20.60 | ng/ul | 100    |
| 30) 4-Chloroaniline            | 10.72 | 127 | 207257 | 20.54 | ng/ul | 100    |
| 31) Hexachlorobutadiene        | 10.89 | 225 | 136539 | 22.01 | ng/ul | 96     |
| 32) Caprolactam                | 11.47 | 113 | 33912m | 14.75 | ng/ul |        |
| 33) 4-Chloro-3-methylphenol    | 11.85 | 107 | 171985 | 17.46 | ng/ul | 98     |
| 34) 2-Methylnaphthalene        | 12.22 | 142 | 398904 | 19.77 | ng/ul | 99     |

Data Path : Z:\HPCHEM1\BNA M\Data\BM012615\  
 Data File : BM000365.D  
 Acq On : 26 Jan 2015 20:29  
 Operator : TP/IZ  
 Sample : SSTD02049  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTD02049

Quant Time: Jan 27 01:10:48 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM01.2-EPA-BM012315.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 27 00:08:46 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.59 | 216  | 225589   | 21.13 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.57 | 237  | 144531   | 21.11 | ng/ul  | 97       |
| 38) 2,4,6-Trichlorophenol      | 12.84 | 196  | 109021   | 17.88 | ng/ul  | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.90 | 196  | 130070   | 18.82 | ng/ul  | 91       |
| 40) 1,1'-Biphenyl              | 13.24 | 154  | 535924   | 20.06 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.28 | 162  | 428090   | 20.74 | ng/ul  | 95       |
| 42) 2-Nitroaniline             | 13.49 | 65   | 125909   | 17.07 | ng/ul  | 95       |
| 44) Dimethylphthalate          | 13.87 | 163  | 522839   | 19.06 | ng/ul  | 97       |
| 45) 2,6-Dinitrotoluene         | 13.99 | 165  | 101735   | 20.27 | ng/ul  | 85       |
| 47) Acenaphthylene             | 14.13 | 152  | 710845   | 20.63 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.32 | 138  | 102203   | 19.69 | ng/ul  | 97       |
| 49) Acenaphthene               | 14.47 | 153  | 468420   | 20.85 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.52 | 184  | 52715    | 19.65 | ng/ul  | 91       |
| 52) 4-Nitrophenol              | 14.62 | 109  | 140818   | 19.24 | ng/ul  | 94       |
| 53) Dibenzofuran               | 14.81 | 168  | 683730   | 20.65 | ng/ul  | 95       |
| 54) 2,4-Dinitrotoluene         | 14.77 | 165  | 163769   | 20.46 | ng/ul  | 100      |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.03 | 232  | 111980   | 19.01 | ng/ul  | 97       |
| 56) Diethylphthalate           | 15.23 | 149  | 533020   | 18.52 | ng/ul  | 99       |
| 58) Fluorene                   | 15.46 | 166  | 579762   | 21.02 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.45 | 204  | 284226   | 20.53 | ng/ul  | 94       |
| 60) 4-Nitroaniline             | 15.48 | 138  | 116019   | 19.68 | ng/ul  | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.54 | 198  | 93106    | 20.40 | ng/ul# | 98       |
| 64) N-Nitrosodiphenylamine     | 15.67 | 169  | 453403   | 19.27 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.34 | 248  | 174878   | 19.72 | ng/ul  | 95       |
| 66) Hexachlorobenzene          | 16.46 | 284  | 211931   | 20.16 | ng/ul  | 96       |
| 67) Atrazine                   | 16.62 | 200  | 149189   | 18.03 | ng/ul  | 96       |
| 68) Pentachlorophenol          | 16.80 | 266  | 95645    | 17.89 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.20 | 178  | 985042   | 21.00 | ng/ul  | 99       |
| 71) Anthracene                 | 17.29 | 178  | 1012121  | 21.10 | ng/ul  | 99       |
| 72) Carbazole                  | 17.56 | 167  | 857555   | 20.65 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.12 | 149  | 767396   | 16.57 | ng/ul# | 96       |
| 74) Fluoranthene               | 19.22 | 202  | 1142817  | 20.69 | ng/ul  | 98       |
| 77) Pyrene                     | 19.58 | 202  | 1272717  | 19.35 | ng/ul  | 98       |
| 78) Butylbenzylphthalate       | 20.47 | 149  | 264603   | 13.06 | ng/ul  | 99       |
| 79) 3,3'-Dichlorobenzidine     | 21.26 | 252  | 254420   | 15.86 | ng/ul  | 99       |
| 80) Benzo(a)anthracene         | 21.33 | 228  | 1292164  | 19.79 | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 21.25 | 149  | 417951   | 13.43 | ng/ul  | 99       |
| 82) Chrysene                   | 21.38 | 228  | 1241839  | 20.20 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.13 | 149  | 773547   | 13.68 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 22.92 | 252  | 1346570  | 20.56 | ng/ul  | 98       |
| 86) Benzo(k)fluoranthene       | 22.97 | 252  | 1295365  | 20.14 | ng/ul  | 98       |
| 88) Benzo(a)pyrene             | 23.50 | 252  | 1301942  | 20.90 | ng/ul  | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.89 | 276  | 1567656  | 23.20 | ng/ul  | 98       |
| 90) Dibenzo(a,h)anthracene     | 25.90 | 278  | 1322368  | 23.34 | ng/ul  | 100      |
| 91) Benzo(g,h,i)perylene       | 26.60 | 276  | 1318673  | 23.61 | ng/ul  | 99       |

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

