

Data Path : V:\HPCHEM1\BNA M\DATA\BM070916\  
 Data File : BM006384.D  
 Acq On : 09 Jul 2016 19:04  
 Operator : UM/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02051

Quant Time: Jul 11 04:33:11 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM070216.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 11 04:31:23 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 119161   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.41 | 136  | 498620   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.28 | 164  | 286603   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.03 | 188  | 638156   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.23 | 240  | 686615   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.44 | 264  | 741609   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 21564  | 7.74  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.81  | 99  | 203061 | 18.20 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.97  | 67  | 123327 | 18.73 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.16  | 132 | 159878 | 18.72 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.34  | 113 | 161931 | 17.93 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.79  | 128 | 77925  | 19.61 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.50  | 143 | 86674  | 19.25 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.04 | 165 | 161978 | 19.85 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.55 | 131 | 192789 | 22.73 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.69 | 166 | 475224 | 19.87 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.97 | 160 | 595809 | 20.12 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.50 | 143 | 82893  | 18.29 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.28 | 176 | 414949 | 20.12 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 70293  | 18.80 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.13 | 188 | 622415 | 20.44 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.43 | 212 | 666245 | 20.35 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.30 | 264 | 700351 | 20.33 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Ovalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.18  | 88  | 23054  | 7.56  | ng/uL# 17 |
| 4) Benzaldehyde                | 6.78  | 77  | 137162 | 21.25 | ng/ul 94  |
| 6) Phenol                      | 6.84  | 94  | 212164 | 18.30 | ng/ul 97  |
| 8) Bis(2-Chloroethyl)ether     | 7.06  | 93  | 161415 | 18.84 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.20  | 128 | 164904 | 18.65 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.08  | 108 | 162864 | 18.34 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.17  | 45  | 255077 | 19.94 | ng/ul 99  |
| 14) Acetophenone               | 8.45  | 105 | 261927 | 19.03 | ng/ul 96  |
| 15) N-Nitroso-di-n-propylamine | 8.43  | 70  | 137442 | 17.48 | ng/ul 93  |
| 16) 4-Methylphenol             | 8.40  | 108 | 174251 | 18.07 | ng/ul 92  |
| 17) Hexachloroethane           | 8.70  | 117 | 68131  | 18.82 | ng/ul 89  |
| 20) Nitrobenzene               | 8.83  | 77  | 201129 | 19.46 | ng/ul 98  |
| 21) Isophorone                 | 9.35  | 82  | 365849 | 18.58 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.53  | 139 | 94842  | 19.55 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.60  | 107 | 203290 | 19.83 | ng/ul 96  |
| 25) Bis(2-Chloroethoxy)methane | 9.83  | 93  | 223109 | 18.96 | ng/ul 97  |
| 27) 2,4-Dichlorophenol         | 10.06 | 162 | 162689 | 20.15 | ng/ul 99  |
| 28) Naphthalene                | 10.46 | 128 | 513073 | 20.00 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.57 | 127 | 201771 | 22.90 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.75 | 225 | 109186 | 21.63 | ng/ul 97  |
| 32) Caprolactam                | 11.33 | 113 | 51087  | 15.97 | ng/ul 99  |
| 33) 4-Chloro-3-methylphenol    | 11.72 | 107 | 186203 | 18.89 | ng/ul 95  |
| 34) 2-Methylnaphthalene        | 12.08 | 142 | 383517 | 19.70 | ng/ul 97  |

Data Path : V:\HPCHEM1\BNA M\DATA\BM070916\  
 Data File : BM006384.D  
 Acq On : 09 Jul 2016 19:04  
 Operator : UM/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02051

Quant Time: Jul 11 04:33:11 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM070216.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 11 04:31:23 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216  | 209197   | 21.96 | ng/ul | 97       |
| 37) Hexachlorocyclopentadiene  | 12.43 | 237  | 102830   | 18.98 | ng/ul | 97       |
| 38) 2,4,6-Trichlorophenol      | 12.70 | 196  | 137971   | 20.49 | ng/ul | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.78 | 196  | 140768   | 20.02 | ng/ul | 96       |
| 40) 1,1'-Biphenyl              | 13.11 | 154  | 492697   | 20.85 | ng/ul | 99       |
| 41) 2-Chloronaphthalene        | 13.15 | 162  | 385333   | 20.92 | ng/ul | 98       |
| 42) 2-Nitroaniline             | 13.36 | 65   | 132879   | 18.90 | ng/ul | 97       |
| 44) Dimethylphthalate          | 13.74 | 163  | 478567   | 19.90 | ng/ul | 99       |
| 45) 2,6-Dinitrotoluene         | 13.87 | 165  | 99769    | 19.15 | ng/ul | 98       |
| 47) Acenaphthylene             | 14.00 | 152  | 623081   | 20.04 | ng/ul | 100      |
| 48) 3-Nitroaniline             | 14.20 | 138  | 100448   | 21.10 | ng/ul | 93       |
| 49) Acenaphthene               | 14.34 | 153  | 398690   | 20.19 | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.41 | 184  | 44632    | 15.39 | ng/ul | 99       |
| 52) 4-Nitrophenol              | 14.52 | 109  | 90260    | 19.80 | ng/ul | 89       |
| 53) Dibenzofuran               | 14.69 | 168  | 574851   | 20.39 | ng/ul | 100      |
| 54) 2,4-Dinitrotoluene         | 14.66 | 165  | 140318   | 19.06 | ng/ul | 99       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.92 | 232  | 125989   | 19.87 | ng/ul | 97       |
| 56) Diethylphthalate           | 15.12 | 149  | 484358   | 19.30 | ng/ul | 100      |
| 58) Fluorene                   | 15.34 | 166  | 454552   | 20.11 | ng/ul | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.33 | 204  | 228885   | 20.63 | ng/ul | 99       |
| 60) 4-Nitroaniline             | 15.36 | 138  | 111636   | 19.89 | ng/ul | 93       |
| 63) 4,6-Dinitro-2-methylphenol | 15.43 | 198  | 76450    | 19.03 | ng/ul | 99       |
| 64) N-Nitrosodiphenylamine     | 15.55 | 169  | 403120   | 20.91 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.23 | 248  | 150235   | 21.03 | ng/ul | 98       |
| 66) Hexachlorobenzene          | 16.34 | 284  | 165024   | 20.92 | ng/ul | 99       |
| 67) Atrazine                   | 16.50 | 200  | 149280   | 20.96 | ng/ul | 97       |
| 68) Pentachlorophenol          | 16.69 | 266  | 78633    | 18.76 | ng/ul | 96       |
| 69) Phenanthrene               | 17.07 | 178  | 722932   | 20.31 | ng/ul | 99       |
| 71) Anthracene                 | 17.17 | 178  | 743982   | 20.24 | ng/ul | 100      |
| 72) Carbazole                  | 17.44 | 167  | 654780   | 21.25 | ng/ul | 100      |
| 73) Di-n-butylphthalate        | 18.00 | 149  | 822588   | 19.42 | ng/ul | 99       |
| 74) Fluoranthene               | 19.10 | 202  | 844251   | 21.31 | ng/ul | 96       |
| 77) Pyrene                     | 19.46 | 202  | 876354   | 20.35 | ng/ul | 95       |
| 78) Butylbenzylphthalate       | 20.37 | 149  | 373266   | 18.97 | ng/ul | 97       |
| 79) 3,3'-Dichlorobenzidine     | 21.16 | 252  | 289484   | 22.80 | ng/ul | 98       |
| 80) Benzo(a)anthracene         | 21.21 | 228  | 856062   | 20.33 | ng/ul | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.15 | 149  | 514254   | 19.49 | ng/ul | 98       |
| 82) Chrysene                   | 21.27 | 228  | 777120   | 20.21 | ng/ul | 99       |
| 84) Di-n-octyl phthalate       | 22.02 | 149  | 948973   | 21.54 | ng/ul | 100      |
| 85) Benzo(b)fluoranthene       | 22.78 | 252  | 890058   | 20.27 | ng/ul | 99       |
| 86) Benzo(k)fluoranthene       | 22.82 | 252  | 876071   | 21.44 | ng/ul | 99       |
| 88) Benzo(a)pyrene             | 23.34 | 252  | 884628   | 20.81 | ng/ul | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.64 | 276  | 1036940  | 21.33 | ng/ul | 97       |
| 90) Dibenzo(a,h)anthracene     | 25.66 | 278  | 875380   | 21.84 | ng/ul | 98       |
| 91) Benzo(g,h,i)perylene       | 26.33 | 276  | 903927   | 21.55 | ng/ul | 99       |

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

