

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM070216\  
 Data File : BM006192.D  
 Acq On : 02 Jul 2016 10:18  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02065

Quant Time: Jul 03 00:11:50 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM070216.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Jul 03 00:08:13 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 155821   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.44 | 136  | 664513   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.30 | 164  | 370034   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 829516   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.26 | 240  | 918335   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.48 | 264  | 979865   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.16  | 96  | 28878  | 7.92  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.83  | 99  | 275541 | 18.89 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 171236 | 19.89 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.19  | 132 | 211560 | 18.94 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 214609 | 18.17 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.81  | 128 | 104644 | 19.76 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.53  | 143 | 114545 | 19.08 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 208011 | 19.13 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.58 | 131 | 253717 | 22.45 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.72 | 166 | 591924 | 19.17 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.00 | 160 | 754339 | 19.73 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.53 | 143 | 111526 | 19.06 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.30 | 176 | 514413 | 19.32 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 94518  | 19.45 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 785061 | 19.84 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.46 | 212 | 866680 | 19.79 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.34 | 264 | 905756 | 19.90 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.20  | 88  | 32260  | 8.09  | ng/uL# | 29     |
| 4) Benzaldehyde                | 6.80  | 77  | 185303 | 21.95 | ng/ul  | 99     |
| 6) Phenol                      | 6.86  | 94  | 287758 | 18.98 | ng/ul  | 97     |
| 8) Bis(2-Chloroethyl)ether     | 7.08  | 93  | 220025 | 19.64 | ng/ul  | 98     |
| 10) 2-Chlorophenol             | 7.22  | 128 | 218138 | 18.87 | ng/ul  | 98     |
| 11) 2-Methylphenol             | 8.10  | 108 | 219264 | 18.88 | ng/ul  | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.19  | 45  | 319511 | 19.10 | ng/ul  | 99     |
| 14) Acetophenone               | 8.47  | 105 | 346490 | 19.25 | ng/ul  | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.46  | 70  | 184125 | 17.91 | ng/ul  | 98     |
| 16) 4-Methylphenol             | 8.43  | 108 | 236263 | 18.74 | ng/ul  | 100    |
| 17) Hexachloroethane           | 8.72  | 117 | 92025  | 19.44 | ng/ul  | 91     |
| 20) Nitrobenzene               | 8.85  | 77  | 268421 | 19.49 | ng/ul  | 98     |
| 21) Isophorone                 | 9.37  | 82  | 492023 | 18.75 | ng/ul  | 99     |
| 23) 2-Nitrophenol              | 9.56  | 139 | 124034 | 19.19 | ng/ul  | 96     |
| 24) 2,4-Dimethylphenol         | 9.62  | 107 | 264214 | 19.33 | ng/ul  | 98     |
| 25) Bis(2-Chloroethoxy)methane | 9.86  | 93  | 298067 | 19.01 | ng/ul  | 98     |
| 27) 2,4-Dichlorophenol         | 10.09 | 162 | 209609 | 19.48 | ng/ul  | 99     |
| 28) Naphthalene                | 10.49 | 128 | 668112 | 19.54 | ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.60 | 127 | 264590 | 22.53 | ng/ul  | 97     |
| 31) Hexachlorobutadiene        | 10.77 | 225 | 136390 | 20.28 | ng/ul  | 97     |
| 32) Caprolactam                | 11.36 | 113 | 72660  | 17.04 | ng/ul  | 88     |
| 33) 4-Chloro-3-methylphenol    | 11.74 | 107 | 237561 | 18.09 | ng/ul  | 99     |
| 34) 2-Methylnaphthalene        | 12.10 | 142 | 496749 | 19.14 | ng/ul  | 98     |

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 Data File : BM006192.D  
 Acq On : 02 Jul 2016 10:18  
 Operator : UM/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02065

Quant Time: Jul 03 00:11:50 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM070216.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Jul 03 00:08:13 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.48 | 216  | 253667   | 20.62 | ng/ul | 99       |
| 37) Hexachlorocyclopentadiene  | 12.46 | 237  | 146564   | 20.95 | ng/ul | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.73 | 196  | 172003   | 19.78 | ng/ul | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.80 | 196  | 175970   | 19.38 | ng/ul | 95       |
| 40) 1,1'-Biphenyl              | 13.13 | 154  | 624298   | 20.46 | ng/ul | 100      |
| 41) 2-Chloronaphthalene        | 13.17 | 162  | 482488   | 20.29 | ng/ul | 98       |
| 42) 2-Nitroaniline             | 13.39 | 65   | 171922   | 18.94 | ng/ul | 96       |
| 44) Dimethylphthalate          | 13.76 | 163  | 592372   | 19.08 | ng/ul | 99       |
| 45) 2,6-Dinitrotoluene         | 13.89 | 165  | 126442   | 18.80 | ng/ul | 99       |
| 47) Acenaphthylene             | 14.03 | 152  | 802471   | 19.99 | ng/ul | 100      |
| 48) 3-Nitroaniline             | 14.22 | 138  | 128748   | 20.95 | ng/ul | 97       |
| 49) Acenaphthene               | 14.37 | 153  | 506377   | 19.86 | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.43 | 184  | 62740    | 16.75 | ng/ul | 99       |
| 52) 4-Nitrophenol              | 14.54 | 109  | 113138   | 19.23 | ng/ul | 95       |
| 53) Dibenzofuran               | 14.71 | 168  | 720391   | 19.80 | ng/ul | 99       |
| 54) 2,4-Dinitrotoluene         | 14.69 | 165  | 179941   | 18.93 | ng/ul | 99       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.94 | 232  | 154997   | 18.93 | ng/ul | 99       |
| 56) Diethylphthalate           | 15.13 | 149  | 610171   | 18.83 | ng/ul | 99       |
| 58) Fluorene                   | 15.36 | 166  | 573973   | 19.67 | ng/ul | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.36 | 204  | 284538   | 19.87 | ng/ul | 98       |
| 60) 4-Nitroaniline             | 15.39 | 138  | 147450   | 20.34 | ng/ul | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 102000   | 19.54 | ng/ul | 99       |
| 64) N-Nitrosodiphenylamine     | 15.57 | 169  | 509883   | 20.34 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.25 | 248  | 185731   | 20.00 | ng/ul | 100      |
| 66) Hexachlorobenzene          | 16.36 | 284  | 203537   | 19.85 | ng/ul | 98       |
| 67) Atrazine                   | 16.53 | 200  | 189979   | 20.52 | ng/ul | 97       |
| 68) Pentachlorophenol          | 16.72 | 266  | 100161   | 18.38 | ng/ul | 97       |
| 69) Phenanthrene               | 17.10 | 178  | 922346   | 19.94 | ng/ul | 100      |
| 71) Anthracene                 | 17.19 | 178  | 958154   | 20.05 | ng/ul | 99       |
| 72) Carbazole                  | 17.46 | 167  | 847950   | 21.17 | ng/ul | 99       |
| 73) Di-n-butylphthalate        | 18.03 | 149  | 1045375  | 18.99 | ng/ul | 100      |
| 74) Fluoranthene               | 19.12 | 202  | 1097083  | 21.30 | ng/ul | 100      |
| 77) Pyrene                     | 19.49 | 202  | 1142070  | 19.83 | ng/ul | 99       |
| 78) Butylbenzylphthalate       | 20.39 | 149  | 495731   | 18.84 | ng/ul | 99       |
| 79) 3,3'-Dichlorobenzidine     | 21.18 | 252  | 379166   | 22.33 | ng/ul | 98       |
| 80) Benzo(a)anthracene         | 21.24 | 228  | 1102821  | 19.58 | ng/ul | 100      |
| 81) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 686369   | 19.45 | ng/ul | 99       |
| 82) Chrysene                   | 21.29 | 228  | 1016684  | 19.77 | ng/ul | 99       |
| 84) Di-n-octyl phthalate       | 22.04 | 149  | 1256675  | 21.59 | ng/ul | 99       |
| 85) Benzo(b)fluoranthene       | 22.81 | 252  | 1135770  | 19.58 | ng/ul | 99       |
| 86) Benzo(k)fluoranthene       | 22.86 | 252  | 1115319  | 20.66 | ng/ul | 99       |
| 88) Benzo(a)pyrene             | 23.39 | 252  | 1132107  | 20.16 | ng/ul | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.71 | 276  | 1324001  | 20.61 | ng/ul | 99       |
| 90) Dibenzo(a,h)anthracene     | 25.72 | 278  | 1098767  | 20.74 | ng/ul | 99       |
| 91) Benzo(g,h,i)perylene       | 26.39 | 276  | 1144198  | 20.65 | ng/ul | 100      |

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

