

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052116\  
 Data File : BM005550.D  
 Acq On : 21 May 2016 14:52  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02058

Quant Time: May 22 04:52:34 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat May 21 03:34:00 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 78961    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.61 | 136  | 349112   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.45 | 164  | 203561   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.19 | 188  | 452927   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.37 | 240  | 491219   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.64 | 264  | 485187   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.30  | 96  | 14146  | 7.85  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.98  | 99  | 131943 | 20.39 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.16  | 67  | 77931  | 20.78 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.35  | 132 | 107832 | 19.97 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.52  | 113 | 107698 | 20.31 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.97  | 128 | 50934  | 19.08 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.70  | 143 | 54847  | 18.67 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.23 | 165 | 108341 | 19.58 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.75 | 131 | 109761 | 19.80 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.86 | 166 | 323544 | 19.47 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.15 | 160 | 407979 | 19.64 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.65 | 143 | 59056  | 18.79 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.45 | 176 | 280839 | 19.42 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.56 | 200 | 45258  | 17.37 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.29 | 188 | 425155 | 19.71 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.58 | 212 | 454081 | 20.41 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.50 | 264 | 439048 | 19.38 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.34  | 88  | 24631  | 7.74  | ng/uL | 96     |
| 4) Benzaldehyde                | 6.96  | 77  | 58581  | 13.95 | ng/ul | 98     |
| 6) Phenol                      | 7.01  | 94  | 138844 | 20.83 | ng/ul | 94     |
| 8) Bis(2-Chloroethyl)ether     | 7.25  | 93  | 105494 | 20.94 | ng/ul | 98     |
| 10) 2-Chlorophenol             | 7.39  | 128 | 108526 | 20.03 | ng/ul | 98     |
| 11) 2-Methylphenol             | 8.26  | 108 | 103691 | 20.52 | ng/ul | 98     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.36  | 45  | 138663 | 20.62 | ng/ul | 99     |
| 14) Acetophenone               | 8.64  | 105 | 167104 | 20.93 | ng/ul | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.62  | 70  | 85302  | 20.23 | ng/ul | 97     |
| 16) 4-Methylphenol             | 8.59  | 108 | 113283 | 20.65 | ng/ul | 98     |
| 17) Hexachloroethane           | 8.90  | 117 | 41521  | 19.15 | ng/ul | 97     |
| 20) Nitrobenzene               | 9.02  | 77  | 124305 | 19.22 | ng/ul | 97     |
| 21) Isophorone                 | 9.54  | 82  | 236351 | 19.55 | ng/ul | 98     |
| 23) 2-Nitrophenol              | 9.73  | 139 | 60759  | 19.23 | ng/ul | 92     |
| 24) 2,4-Dimethylphenol         | 9.79  | 107 | 127331 | 19.50 | ng/ul | 99     |
| 25) Bis(2-Chloroethoxy)methane | 10.02 | 93  | 142330 | 19.99 | ng/ul | 99     |
| 27) 2,4-Dichlorophenol         | 10.26 | 162 | 106311 | 19.49 | ng/ul | 98     |
| 28) Naphthalene                | 10.66 | 128 | 344925 | 19.67 | ng/ul | 99     |
| 30) 4-Chloroaniline            | 10.77 | 127 | 113056 | 19.91 | ng/ul | 97     |
| 31) Hexachlorobutadiene        | 10.95 | 225 | 66777  | 18.32 | ng/ul | 98     |
| 32) Caprolactam                | 11.52 | 113 | 34872  | 19.15 | ng/ul | 100    |
| 33) 4-Chloro-3-methylphenol    | 11.89 | 107 | 117401 | 19.64 | ng/ul | 98     |
| 34) 2-Methylnaphthalene        | 12.27 | 142 | 254595 | 19.84 | ng/ul | 100    |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052116\  
 Data File : BM005550.D  
 Acq On : 21 May 2016 14:52  
 Operator : UM/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02058

Quant Time: May 22 04:52:34 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat May 21 03:34:00 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.64 | 216  | 132527   | 19.06 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.62 | 237  | 74528    | 17.06 | ng/ul  | 96       |
| 38) 2,4,6-Trichlorophenol      | 12.88 | 196  | 87123    | 19.22 | ng/ul  | 96       |
| 39) 2,4,5-Trichlorophenol      | 12.95 | 196  | 95827    | 19.20 | ng/ul  | 95       |
| 40) 1,1'-Biphenyl              | 13.29 | 154  | 335417   | 19.63 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.33 | 162  | 255120   | 19.37 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.53 | 65   | 72983    | 18.42 | ng/ul  | 98       |
| 44) Dimethylphthalate          | 13.91 | 163  | 322678   | 19.65 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.03 | 165  | 64553    | 19.45 | ng/ul  | 98       |
| 47) Acenaphthylene             | 14.17 | 152  | 415529   | 19.69 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.36 | 138  | 57728    | 18.77 | ng/ul  | 96       |
| 49) Acenaphthene               | 14.52 | 153  | 271889   | 19.54 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.56 | 184  | 29013    | 15.61 | ng/ul  | 88       |
| 52) 4-Nitrophenol              | 14.66 | 109  | 54348    | 17.21 | ng/ul  | 92       |
| 53) Dibenzofuran               | 14.85 | 168  | 388652   | 19.56 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.82 | 165  | 94257    | 19.46 | ng/ul  | 100      |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.07 | 232  | 81683    | 18.73 | ng/ul  | 95       |
| 56) Diethylphthalate           | 15.27 | 149  | 321730   | 19.21 | ng/ul  | 99       |
| 58) Fluorene                   | 15.50 | 166  | 313598   | 19.72 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.50 | 204  | 152608   | 19.20 | ng/ul  | 98       |
| 60) 4-Nitroaniline             | 15.52 | 138  | 63393    | 16.90 | ng/ul  | 93       |
| 63) 4,6-Dinitro-2-methylphenol | 15.57 | 198  | 48932    | 17.88 | ng/ul# | 94       |
| 64) N-Nitrosodiphenylamine     | 15.71 | 169  | 278693   | 20.28 | ng/ul  | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.39 | 248  | 97674    | 19.36 | ng/ul  | 98       |
| 66) Hexachlorobenzene          | 16.50 | 284  | 111123   | 19.33 | ng/ul  | 98       |
| 67) Atrazine                   | 16.66 | 200  | 100268   | 19.50 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 16.84 | 266  | 62620    | 18.15 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.23 | 178  | 497432   | 19.65 | ng/ul  | 99       |
| 71) Anthracene                 | 17.33 | 178  | 506261   | 19.62 | ng/ul  | 99       |
| 72) Carbazole                  | 17.59 | 167  | 457183   | 20.42 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.16 | 149  | 520434   | 19.16 | ng/ul  | 100      |
| 74) Fluoranthene               | 19.24 | 202  | 565171   | 19.84 | ng/ul  | 97       |
| 77) Pyrene                     | 19.61 | 202  | 582856   | 20.64 | ng/ul  | 99       |
| 78) Butylbenzylphthalate       | 20.51 | 149  | 234141   | 19.67 | ng/ul  | 98       |
| 79) 3,3'-Dichlorobenzidine     | 21.29 | 252  | 149771   | 16.82 | ng/ul  | 98       |
| 80) Benzo(a)anthracene         | 21.35 | 228  | 560320   | 19.41 | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 333082   | 19.82 | ng/ul  | 100      |
| 82) Chrysene                   | 21.40 | 228  | 533894   | 19.44 | ng/ul  | 100      |
| 84) Di-n-octyl phthalate       | 22.17 | 149  | 573365   | 20.60 | ng/ul  | 99       |
| 85) Benzo(b)fluoranthene       | 22.96 | 252  | 554185   | 19.37 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 23.00 | 252  | 551260   | 20.35 | ng/ul  | 99       |
| 88) Benzo(a)pyrene             | 23.55 | 252  | 543858   | 19.59 | ng/ul  | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.95 | 276  | 624611   | 18.94 | ng/ul  | 97       |
| 90) Dibenzo(a,h)anthracene     | 25.96 | 278  | 519571   | 18.92 | ng/ul  | 97       |
| 91) Benzo(g,h,i)perylene       | 26.66 | 276  | 524452   | 18.92 | ng/ul  | 99       |

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

