

Data Path : Z:\HPCHEM1\BNA M\DATA\BM020717\  
 Data File : BM008975.D  
 Acq On : 07 Feb 2017 10:50  
 Operator : SJ/MA  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02036

Quant Time: Feb 07 18:00:14 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 03 22:25:40 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.91  | 152  | 31957    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.72 | 136  | 155029   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.55 | 164  | 139374   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.30 | 188  | 372768   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.47 | 240  | 494838   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.81 | 264  | 434079   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.37  | 96  | 6192   | 7.75  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.06  | 99  | 64450  | 21.59 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.24  | 67  | 56039  | 22.92 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.44  | 132 | 40652  | 22.06 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.60  | 113 | 51751  | 22.93 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 9.07  | 128 | 22516  | 20.12 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.80  | 143 | 24595  | 19.77 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.33 | 165 | 52050  | 19.86 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.85 | 131 | 55610  | 23.16 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.96 | 166 | 201989 | 19.77 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.24 | 160 | 239157 | 20.65 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.74 | 143 | 32572  | 19.53 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.54 | 176 | 208530 | 22.12 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.66 | 200 | 40980  | 16.98 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.40 | 188 | 367321 | 20.62 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.68 | 212 | 441372 | 20.23 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 23.66 | 264 | 404432 | 20.52 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.40  | 88  | 6696   | 6.66 ng/uL#  | 86     |
| 4) Benzaldehyde                | 7.06  | 77  | 72382  | 24.25 ng/ul  | 91     |
| 6) Phenol                      | 7.09  | 94  | 70853  | 22.38 ng/ul  | 93     |
| 8) Bis(2-Chloroethyl)ether     | 7.33  | 93  | 52758  | 22.04 ng/ul  | 87     |
| 10) 2-Chlorophenol             | 7.47  | 128 | 43406  | 22.79 ng/ul# | 94     |
| 11) 2-Methylphenol             | 8.34  | 108 | 46939  | 21.14 ng/ul  | 98     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.45  | 45  | 119331 | 25.17 ng/ul# | 94     |
| 14) Acetophenone               | 8.73  | 105 | 97915  | 23.11 ng/ul# | 88     |
| 15) N-Nitroso-di-n-propylamine | 8.72  | 70  | 71918  | 25.85 ng/ul# | 81     |
| 16) 4-Methylphenol             | 8.67  | 108 | 57614  | 24.30 ng/ul  | 95     |
| 17) Hexachloroethane           | 8.99  | 117 | 28739  | 23.70 ng/ul  | 96     |
| 20) Nitrobenzene               | 9.12  | 77  | 110083 | 21.46 ng/ul  | 95     |
| 21) Isophorone                 | 9.64  | 82  | 167769 | 22.05 ng/ul  | 99     |
| 23) 2-Nitrophenol              | 9.83  | 139 | 27247  | 21.08 ng/ul# | 82     |
| 24) 2,4-Dimethylphenol         | 9.88  | 107 | 83107  | 21.16 ng/ul  | 94     |
| 25) Bis(2-Chloroethoxy)methane | 10.12 | 93  | 78464  | 20.28 ng/ul  | 99     |
| 27) 2,4-Dichlorophenol         | 10.35 | 162 | 55030  | 20.93 ng/ul  | 93     |
| 28) Naphthalene                | 10.76 | 128 | 164204 | 21.37 ng/ul  | 97     |
| 30) 4-Chloroaniline            | 10.87 | 127 | 60579  | 24.02 ng/ul  | 97     |
| 31) Hexachlorobutadiene        | 11.03 | 225 | 51214  | 19.73 ng/ul  | 94     |
| 32) Caprolactam                | 11.65 | 113 | 14901m | 18.66 ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 11.99 | 107 | 73949  | 21.17 ng/ul# | 87     |
| 34) 2-Methylnaphthalene        | 12.37 | 142 | 126990 | 21.10 ng/ul  | 97     |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM020717\  
 Data File : BM008975.D  
 Acq On : 07 Feb 2017 10:50  
 Operator : SJ/MA  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02036

Quant Time: Feb 07 18:00:14 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 03 22:25:40 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.74 | 216  | 90042    | 19.24 | ng/ul  | 93       |
| 37) Hexachlorocyclopentadiene  | 12.71 | 237  | 64323    | 18.07 | ng/ul# | 97       |
| 38) 2,4,6-Trichlorophenol      | 12.97 | 196  | 52281m   | 18.51 | ng/ul  |          |
| 39) 2,4,5-Trichlorophenol      | 13.05 | 196  | 58099    | 18.86 | ng/ul  | 87       |
| 40) 1,1'-Biphenyl              | 13.38 | 154  | 190095   | 20.06 | ng/ul  | 95       |
| 41) 2-Chloronaphthalene        | 13.43 | 162  | 144770   | 19.49 | ng/ul  | 92       |
| 42) 2-Nitroaniline             | 13.63 | 65   | 96582    | 24.12 | ng/ul  | 88       |
| 44) Dimethylphthalate          | 14.00 | 163  | 210475   | 21.12 | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 14.13 | 165  | 37593    | 19.71 | ng/ul# | 73       |
| 47) Acenaphthylene             | 14.27 | 152  | 235120   | 20.62 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.46 | 138  | 36020    | 22.01 | ng/ul  | 94       |
| 49) Acenaphthene               | 14.62 | 153  | 172714   | 21.10 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.66 | 184  | 18699    | 12.98 | ng/ul  | 84       |
| 52) 4-Nitrophenol              | 14.75 | 109  | 80861    | 22.24 | ng/ul  | 96       |
| 53) Dibenzofuran               | 14.95 | 168  | 269187   | 21.58 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.91 | 165  | 62575    | 21.59 | ng/ul# | 80       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.17 | 232  | 67493    | 22.74 | ng/ul# | 95       |
| 56) Diethylphthalate           | 15.36 | 149  | 254652   | 23.06 | ng/ul# | 96       |
| 58) Fluorene                   | 15.60 | 166  | 227784   | 21.46 | ng/ul  | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.59 | 204  | 135594   | 22.35 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.62 | 138  | 46670    | 22.04 | ng/ul# | 91       |
| 63) 4,6-Dinitro-2-methylphenol | 15.67 | 198  | 43544    | 17.83 | ng/ul# | 97       |
| 64) N-Nitrosodiphenylamine     | 15.80 | 169  | 211728   | 20.54 | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.49 | 248  | 88330    | 20.18 | ng/ul  | 90       |
| 66) Hexachlorobenzene          | 16.59 | 284  | 96108    | 20.39 | ng/ul# | 93       |
| 67) Atrazine                   | 16.75 | 200  | 92589    | 19.90 | ng/ul# | 91       |
| 68) Pentachlorophenol          | 16.93 | 266  | 54956    | 18.34 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.34 | 178  | 407285   | 20.19 | ng/ul  | 99       |
| 71) Anthracene                 | 17.43 | 178  | 425176   | 20.50 | ng/ul  | 97       |
| 72) Carbazole                  | 17.70 | 167  | 370003   | 20.07 | ng/ul  | 96       |
| 73) Di-n-butylphthalate        | 18.25 | 149  | 481884   | 22.08 | ng/ul  | 98       |
| 74) Fluoranthene               | 19.35 | 202  | 541178   | 20.09 | ng/ul  | 98       |
| 77) Pyrene                     | 19.71 | 202  | 570616   | 20.84 | ng/ul  | 98       |
| 78) Butylbenzylphthalate       | 20.60 | 149  | 217967   | 21.45 | ng/ul  | 98       |
| 79) 3,3'-Dichlorobenzidine     | 21.39 | 252  | 179360   | 18.56 | ng/ul  | 98       |
| 80) Benzo(a)anthracene         | 21.45 | 228  | 578709   | 20.23 | ng/ul  | 97       |
| 81) Bis(2-ethylhexyl)phthalate | 21.36 | 149  | 300300   | 21.12 | ng/ul  | 97       |
| 82) Chrysene                   | 21.50 | 228  | 536355   | 19.84 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.27 | 149  | 512754   | 19.49 | ng/ul  | 99       |
| 85) Benzo(b)fluoranthene       | 23.10 | 252  | 540873   | 20.60 | ng/ul  | 97       |
| 86) Benzo(k)fluoranthene       | 23.15 | 252  | 502218   | 19.96 | ng/ul  | 97       |
| 88) Benzo(a)pyrene             | 23.71 | 252  | 510578   | 20.35 | ng/ul  | 97       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.21 | 276  | 527527   | 19.54 | ng/ul  | 95       |
| 90) Dibenzo(a,h)anthracene     | 26.23 | 278  | 451814   | 19.61 | ng/ul  | 99       |
| 91) Benzo(g,h,i)perylene       | 26.96 | 276  | 438791   | 19.85 | ng/ul# | 98       |

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

