

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM100717\  
 Data File : BM011973.D  
 Acq On : 07 Oct 2017 15:29  
 Operator : SJ/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02030

Quant Time: Oct 07 22:33:42 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 07 05:58:48 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 230376   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.66 | 136  | 928014   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.50 | 164  | 531086   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.24 | 188  | 1167091  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.42 | 240  | 1271227  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.74 | 264  | 1367679  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 39623   | 8.13  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.02  | 99  | 368878  | 18.61 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.18  | 67  | 224436  | 19.13 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.39  | 132 | 329366  | 20.71 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.56  | 113 | 305839  | 17.85 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.02  | 128 | 150844  | 22.83 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.74  | 143 | 170563  | 22.91 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.28 | 165 | 325293  | 21.62 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.80 | 131 | 379134  | 23.10 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.90 | 166 | 945579  | 20.54 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.20 | 160 | 1160804 | 21.46 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.70 | 143 | 143661  | 17.87 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.49 | 176 | 823148  | 20.26 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.62 | 200 | 147581  | 18.79 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.34 | 188 | 1227684 | 21.35 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.63 | 212 | 1331546 | 23.22 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.59 | 264 | 1396217 | 21.22 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.30  | 88  | 41430  | 8.37  | ng/uL# | 69     |
| 4) Benzaldehyde                | 7.00  | 77  | 210054 | 21.27 | ng/ul  | 91     |
| 6) Phenol                      | 7.04  | 94  | 365345 | 18.63 | ng/ul# | 83     |
| 8) Bis(2-Chloroethyl)ether     | 7.27  | 93  | 279175 | 18.96 | ng/ul  | 97     |
| 10) 2-Chlorophenol             | 7.42  | 128 | 321575 | 20.70 | ng/ul  | 98     |
| 11) 2-Methylphenol             | 8.30  | 108 | 275809 | 18.49 | ng/ul  | 97     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.39  | 45  | 359905 | 19.11 | ng/ul# | 87     |
| 14) Acetophenone               | 8.68  | 105 | 448829 | 17.90 | ng/ul  | 90     |
| 15) N-Nitroso-di-n-propylamine | 8.66  | 70  | 239886 | 18.70 | ng/ul# | 69     |
| 16) 4-Methylphenol             | 8.63  | 108 | 302037 | 18.09 | ng/ul  | 94     |
| 17) Hexachloroethane           | 8.93  | 117 | 134837 | 21.63 | ng/ul  | 88     |
| 20) Nitrobenzene               | 9.06  | 77  | 343943 | 21.54 | ng/ul  | 94     |
| 21) Isophorone                 | 9.59  | 82  | 622515 | 20.91 | ng/ul# | 92     |
| 23) 2-Nitrophenol              | 9.77  | 139 | 174028 | 22.24 | ng/ul# | 76     |
| 24) 2,4-Dimethylphenol         | 9.83  | 107 | 347865 | 20.73 | ng/ul# | 86     |
| 25) Bis(2-Chloroethoxy)methane | 10.07 | 93  | 375798 | 20.56 | ng/ul  | 94     |
| 27) 2,4-Dichlorophenol         | 10.31 | 162 | 312928 | 21.56 | ng/ul  | 96     |
| 28) Naphthalene                | 10.71 | 128 | 968372 | 20.80 | ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.82 | 127 | 362966 | 22.54 | ng/ul  | 94     |
| 31) Hexachlorobutadiene        | 10.99 | 225 | 237094 | 22.26 | ng/ul  | 94     |
| 32) Caprolactam                | 11.60 | 113 | 86232  | 18.12 | ng/ul# | 39     |
| 33) 4-Chloro-3-methylphenol    | 11.95 | 107 | 302957 | 19.20 | ng/ul  | 92     |
| 34) 2-Methylnaphthalene        | 12.32 | 142 | 705056 | 19.86 | ng/ul  | 97     |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM100717\  
 Data File : BM011973.D  
 Acq On : 07 Oct 2017 15:29  
 Operator : SJ/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02030

Quant Time: Oct 07 22:33:42 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 07 05:58:48 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.69 | 216  | 408195   | 22.66 | ng/ul  | 97       |
| 37) Hexachlorocyclopentadiene  | 12.66 | 237  | 164013   | 15.64 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.93 | 196  | 263366   | 23.02 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 13.00 | 196  | 270676   | 22.47 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.33 | 154  | 910149   | 21.43 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.38 | 162  | 722659   | 21.75 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.59 | 65   | 186131   | 22.07 | ng/ul  | 91       |
| 44) Dimethylphthalate          | 13.95 | 163  | 905843   | 20.46 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.08 | 165  | 176988   | 21.20 | ng/ul  | 92       |
| 47) Acenaphthylene             | 14.23 | 152  | 1128990  | 21.53 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.41 | 138  | 158328   | 20.41 | ng/ul  | 91       |
| 49) Acenaphthene               | 14.56 | 153  | 757760   | 20.88 | ng/ul  | 100      |
| 50) 2,4-Dinitrophenol          | 14.63 | 184  | 86937    | 15.76 | ng/ul  | 94       |
| 52) 4-Nitrophenol              | 14.72 | 109  | 118647   | 18.46 | ng/ul# | 81       |
| 53) Dibenzofuran               | 14.90 | 168  | 1080649  | 20.52 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.87 | 165  | 254388   | 20.61 | ng/ul# | 85       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.13 | 232  | 240850   | 20.48 | ng/ul  | 92       |
| 56) Diethylphthalate           | 15.32 | 149  | 901858   | 20.07 | ng/ul  | 95       |
| 58) Fluorene                   | 15.55 | 166  | 874994   | 19.89 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.54 | 204  | 463823   | 19.94 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.57 | 138  | 170958   | 18.92 | ng/ul  | 90       |
| 63) 4,6-Dinitro-2-methylphenol | 15.63 | 198  | 149764   | 18.67 | ng/ul  | 91       |
| 64) N-Nitrosodiphenylamine     | 15.76 | 169  | 746006   | 22.13 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.43 | 248  | 286307   | 21.90 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.55 | 284  | 318418   | 21.79 | ng/ul# | 89       |
| 67) Atrazine                   | 16.70 | 200  | 287207   | 21.52 | ng/ul  | 96       |
| 68) Pentachlorophenol          | 16.90 | 266  | 187267   | 20.37 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.29 | 178  | 1325401  | 20.65 | ng/ul  | 99       |
| 71) Anthracene                 | 17.38 | 178  | 1385845  | 21.22 | ng/ul  | 99       |
| 72) Carbazole                  | 17.65 | 167  | 1128976  | 19.95 | ng/ul  | 98       |
| 73) Di-n-butylphthalate        | 18.20 | 149  | 1529990  | 22.57 | ng/ul# | 98       |
| 74) Fluoranthene               | 19.30 | 202  | 1558840  | 19.90 | ng/ul# | 91       |
| 77) Pyrene                     | 19.66 | 202  | 1613206  | 22.89 | ng/ul# | 89       |
| 78) Butylbenzylphthalate       | 20.55 | 149  | 688310   | 24.93 | ng/ul  | 87       |
| 79) 3,3'-Dichlorobenzidine     | 21.33 | 252  | 507549   | 21.45 | ng/ul# | 94       |
| 80) Benzo(a)anthracene         | 21.40 | 228  | 1648349  | 22.63 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 1029008  | 25.05 | ng/ul# | 99       |
| 82) Chrysene                   | 21.46 | 228  | 1531200  | 22.13 | ng/ul  | 100      |
| 84) Di-n-octyl phthalate       | 22.22 | 149  | 1803203  | 22.57 | ng/ul# | 86       |
| 85) Benzo(b)fluoranthene       | 23.04 | 252  | 1747519  | 21.02 | ng/ul# | 97       |
| 86) Benzo(k)fluoranthene       | 23.09 | 252  | 1598553  | 19.26 | ng/ul# | 96       |
| 88) Benzo(a)pyrene             | 23.64 | 252  | 1701662  | 21.30 | ng/ul# | 96       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.12 | 276  | 1991452  | 23.30 | ng/ul# | 92       |
| 90) Dibenzo(a,h)anthracene     | 26.13 | 278  | 1673942  | 23.83 | ng/ul# | 94       |
| 91) Benzo(g,h,i)perylene       | 26.85 | 276  | 1681722  | 23.78 | ng/ul# | 93       |

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

