

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM010719\  
 Data File : BM018438.D  
 Acq On : 07 Jan 2019 11:20  
 Operator : JU/SJ  
 Sample : SSTD02004  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02004

Quant Time: Jan 07 12:14:40 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM010719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 07 12:07:21 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 336468   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.56 | 136  | 1434666  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.41 | 164  | 814085   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.16 | 188  | 1853001  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.35 | 240  | 1959374  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.63 | 264  | 2001685  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 54290   | 7.70  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.94  | 99  | 529335  | 16.37 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 304491  | 17.56 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 471354  | 18.44 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.47  | 113 | 432021  | 16.47 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.93  | 128 | 218429  | 18.53 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.65  | 143 | 225990  | 16.20 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.19 | 165 | 463837  | 19.24 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.72 | 131 | 358080  | 16.80 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.82 | 166 | 1407210 | 19.54 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.10 | 160 | 1758845 | 20.04 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.65 | 143 | 234462  | 18.04 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.40 | 176 | 1207261 | 20.18 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 177141  | 12.55 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.26 | 188 | 1839299 | 19.64 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.56 | 212 | 2040952 | 21.72 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.49 | 264 | 2174163 | 19.61 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.29  | 88  | 60161   | 7.748  | ng/uL 100 |
| 4) Benzaldehyde                | 6.92  | 77  | 100350  | 17.584 | ng/ul 100 |
| 6) Phenol                      | 6.97  | 94  | 523946  | 16.477 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 7.20  | 93  | 404292  | 17.312 | ng/ul 100 |
| 10) 2-Chlorophenol             | 7.33  | 128 | 470805  | 18.672 | ng/ul 100 |
| 11) 2-Methylphenol             | 8.22  | 108 | 408654  | 16.469 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.29  | 45  | 527627  | 23.922 | ng/ul 100 |
| 14) Acetophenone               | 8.59  | 105 | 688601  | 17.378 | ng/ul 100 |
| 15) N-Nitroso-di-n-propylamine | 8.57  | 70  | 323541  | 15.944 | ng/ul 100 |
| 16) 4-Methylphenol             | 8.54  | 108 | 433321  | 16.058 | ng/ul 100 |
| 17) Hexachloroethane           | 8.83  | 117 | 194192  | 19.454 | ng/ul 100 |
| 20) Nitrobenzene               | 8.97  | 77  | 483367  | 18.131 | ng/ul 100 |
| 21) Isophorone                 | 9.49  | 82  | 913205  | 17.044 | ng/ul 100 |
| 23) 2-Nitrophenol              | 9.67  | 139 | 245262  | 17.163 | ng/ul 100 |
| 24) 2,4-Dimethylphenol         | 9.74  | 107 | 508406  | 17.926 | ng/ul 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.97  | 93  | 558940  | 17.757 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.22 | 162 | 445808  | 19.071 | ng/ul 100 |
| 28) Naphthalene                | 10.61 | 128 | 1479058 | 19.161 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.74 | 127 | 362705  | 16.695 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.87 | 225 | 300599  | 20.055 | ng/ul 100 |
| 32) Caprolactam                | 11.54 | 113 | 130415  | 14.444 | ng/ul 100 |
| 33) 4-Chloro-3-methylphenol    | 11.86 | 107 | 447257  | 16.691 | ng/ul 100 |
| 34) 2-Methylnaphthalene        | 12.22 | 142 | 1084470 | 18.935 | ng/ul 100 |

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Quant Time: Jan 07 12:14:40 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM010719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 07 12:07:21 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.59 | 216  | 553837   | 21.049 | ng/ul | 100      |
| 37) Hexachlorocyclopentadiene  | 12.56 | 237  | 314057   | 23.653 | ng/ul | 100      |
| 38) 2,4,6-Trichlorophenol      | 12.84 | 196  | 349830   | 19.433 | ng/ul | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.92 | 196  | 369613   | 19.165 | ng/ul | 100      |
| 40) 1,1'-Biphenyl              | 13.24 | 154  | 1372933  | 20.070 | ng/ul | 100      |
| 41) 2-Chloronaphthalene        | 13.29 | 162  | 1080136  | 20.260 | ng/ul | 100      |
| 42) 2-Nitroaniline             | 13.50 | 65   | 261837   | 17.428 | ng/ul | 100      |
| 44) Dimethylphthalate          | 13.87 | 163  | 1372445  | 20.017 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 14.00 | 165  | 258790   | 17.836 | ng/ul | 100      |
| 47) Acenaphthylene             | 14.13 | 152  | 1630091  | 19.620 | ng/ul | 100      |
| 48) 3-Nitroaniline             | 14.33 | 138  | 223764   | 16.194 | ng/ul | 100      |
| 49) Acenaphthene               | 14.47 | 153  | 1150490  | 19.659 | ng/ul | 100      |
| 50) 2,4-Dinitrophenol          | 14.53 | 184  | 92397    | 9.566  | ng/ul | 100      |
| 52) 4-Nitrophenol              | 14.66 | 109  | 193499   | 18.713 | ng/ul | 100      |
| 53) Dibenzofuran               | 14.81 | 168  | 1608828  | 19.885 | ng/ul | 100      |
| 54) 2,4-Dinitrotoluene         | 14.78 | 165  | 385994   | 17.969 | ng/ul | 100      |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.04 | 232  | 315227   | 17.997 | ng/ul | 100      |
| 56) Diethylphthalate           | 15.24 | 149  | 1387116  | 19.544 | ng/ul | 100      |
| 58) Fluorene                   | 15.46 | 166  | 1316119  | 19.578 | ng/ul | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.46 | 204  | 672051   | 19.844 | ng/ul | 100      |
| 60) 4-Nitroaniline             | 15.50 | 138  | 257812   | 16.953 | ng/ul | 100      |
| 63) 4,6-Dinitro-2-methylphenol | 15.54 | 198  | 191767   | 13.311 | ng/ul | 100      |
| 64) N-Nitrosodiphenylamine     | 15.67 | 169  | 1143222  | 18.851 | ng/ul | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.35 | 248  | 400511   | 18.283 | ng/ul | 100      |
| 66) Hexachlorobenzene          | 16.45 | 284  | 441248   | 18.290 | ng/ul | 100      |
| 67) Atrazine                   | 16.63 | 200  | 389508   | 17.569 | ng/ul | 100      |
| 68) Pentachlorophenol          | 16.81 | 266  | 234138   | 16.390 | ng/ul | 100      |
| 69) Phenanthrene               | 17.20 | 178  | 2107840  | 19.486 | ng/ul | 100      |
| 71) Anthracene                 | 17.29 | 178  | 2141927  | 19.241 | ng/ul | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.20 | 216  | 542031   | 20.429 | ng/uL | 100      |
| 73) Pentachlorobenzene         | 14.72 | 250  | 521855   | 18.888 | ng/uL | 100      |
| 74) Carbazole                  | 17.57 | 167  | 1904789  | 18.804 | ng/ul | 100      |
| 75) Di-n-butylphthalate        | 18.13 | 149  | 2283500  | 18.015 | ng/ul | 100      |
| 76) Fluoranthene               | 19.22 | 202  | 2470424  | 19.689 | ng/ul | 100      |
| 79) Pyrene                     | 19.59 | 202  | 2511862  | 21.428 | ng/ul | 100      |
| 80) Butylbenzylphthalate       | 20.49 | 149  | 1044040  | 18.622 | ng/ul | 100      |
| 81) 3,3'-Dichlorobenzidine     | 21.27 | 252  | 818565   | 18.180 | ng/ul | 100      |
| 82) Benzo(a)anthracene         | 21.33 | 228  | 2536616  | 20.456 | ng/ul | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.26 | 149  | 1552619  | 18.839 | ng/ul | 100      |
| 84) Chrysene                   | 21.39 | 228  | 2339525  | 20.219 | ng/ul | 100      |
| 86) Di-n-octyl phthalate       | 22.15 | 149  | 2732722  | 18.571 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.94 | 252  | 2467627  | 20.686 | ng/ul | 100      |
| 88) Benzo(k)fluoranthene       | 22.99 | 252  | 2459224  | 20.716 | ng/ul | 100      |
| 90) Benzo(a)pyrene             | 23.53 | 252  | 2381841  | 20.243 | ng/ul | 100      |
| 91) Indeno(1,2,3-cd)pyrene     | 25.95 | 276  | 2824873  | 21.157 | ng/ul | 100      |
| 92) Dibenzo(a,h)anthracene     | 25.96 | 278  | 2347889  | 20.696 | ng/ul | 100      |
| 93) Benzo(g,h,i)perylene       | 26.66 | 276  | 2340150  | 21.030 | ng/ul | 100      |

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

