

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061419\  
 Data File : BM020943.D  
 Acq On : 14 Jun 2019 14:21  
 Operator : HP/JU  
 Sample : SSTD08021  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD08021

Quant Time: Jun 14 15:27:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 14 13:40:30 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 262589   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.59 | 136  | 1186709  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.44 | 164  | 747484   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.19 | 188  | 1577154  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.37 | 240  | 1299244  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.64 | 264  | 1346860  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |        |       |      |
|--------------------------------|-------|-----|---------|--------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.30  | 96  | 162575  | 29.52  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.97  | 99  | 1959537 | 97.54  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.14  | 67  | 1131704 | 93.95  | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.33  | 132 | 1588790 | 99.28  | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.51  | 113 | 1636506 | 101.24 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.96  | 128 | 800459  | 98.83  | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.68  | 143 | 960198  | 115.16 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.22 | 165 | 1862548 | 107.10 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.73 | 131 | 1908198 | 91.11  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.86 | 166 | 5187020 | 93.81  | ng/ul | 0.01 |
| 46) Acenaphthylene-d8          | 14.13 | 160 | 6594387 | 94.06  | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.66 | 143 | 885071  | 93.28  | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.43 | 176 | 4494281 | 95.65  | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.57 | 200 | 903257  | 112.00 | ng/ul | 0.01 |
| 70) Anthracene-d10             | 17.29 | 188 | 6490740 | 94.22  | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.58 | 212 | 6374829 | 101.51 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.50 | 264 | 6523452 | 106.57 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.33  | 88  | 168442  | 29.119 | ng/uL 95  |
| 4) Benzaldehyde                | 6.95  | 77  | 883834  | 58.386 | ng/ul 99  |
| 6) Phenol                      | 7.00  | 94  | 1841932 | 89.058 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 7.23  | 93  | 1366112 | 85.134 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.36  | 128 | 1482480 | 90.068 | ng/ul 97  |
| 11) 2-Methylphenol             | 8.24  | 108 | 1434708 | 93.356 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.37  | 45  | 17001   | 0.808  | ng/ul# 36 |
| 14) Acetophenone               | 8.63  | 105 | 2256315 | 90.331 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.63  | 70  | 1195412 | 90.911 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.58  | 108 | 1546126 | 91.989 | ng/ul 97  |
| 17) Hexachloroethane           | 8.87  | 117 | 583003  | 84.235 | ng/ul 98  |
| 20) Nitrobenzene               | 9.01  | 77  | 1729906 | 84.833 | ng/ul 100 |
| 21) Isophorone                 | 9.54  | 82  | 3317361 | 88.045 | ng/ul 98  |
| 23) 2-Nitrophenol              | 9.71  | 139 | 920932  | 98.505 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.77  | 107 | 1804598 | 89.801 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 10.01 | 93  | 1984320 | 84.886 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.24 | 162 | 1669064 | 97.041 | ng/ul 98  |
| 28) Naphthalene                | 10.64 | 128 | 4739117 | 85.028 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.76 | 127 | 1767633 | 82.535 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.91 | 225 | 1060633 | 91.039 | ng/ul 98  |
| 32) Caprolactam                | 11.57 | 113 | 246446  | 49.184 | ng/ul 99  |
| 33) 4-Chloro-3-methylphenol    | 11.89 | 107 | 1687792 | 95.095 | ng/ul 96  |
| 34) 2-Methylnaphthalene        | 12.25 | 142 | 3681908 | 89.939 | ng/ul 100 |

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 Quant Title : SVOA CALIBRATION  
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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.62 | 216  | 2152645  | 88.868  | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.59 | 237  | 1422556  | 94.637  | ng/ul  | 97       |
| 38) 2,4,6-Trichlorophenol      | 12.86 | 196  | 1435493  | 98.673  | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.94 | 196  | 1532135  | 96.969  | ng/ul  | 100      |
| 40) 1,1'-Biphenyl              | 13.27 | 154  | 4818610  | 83.069  | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.32 | 162  | 3836212  | 85.932  | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.53 | 65   | 1037316  | 89.484  | ng/ul  | 99       |
| 44) Dimethylphthalate          | 13.90 | 163  | 4673878  | 84.421  | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.03 | 165  | 1028184  | 99.007  | ng/ul  | 92       |
| 47) Acenaphthylene             | 14.16 | 152  | 5574537  | 82.184  | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.36 | 138  | 868851   | 86.925  | ng/ul  | 98       |
| 49) Acenaphthene               | 14.50 | 153  | 4004763  | 84.579  | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.57 | 184  | 581341   | 104.439 | ng/ul  | 93       |
| 52) 4-Nitrophenol              | 14.67 | 109  | 644158   | 82.812  | ng/ul  | 98       |
| 53) Dibenzofuran               | 14.84 | 168  | 5672489  | 84.693  | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.82 | 165  | 1413346  | 94.139  | ng/ul  | 99       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.06 | 232  | 1318924  | 99.348  | ng/ul  | 99       |
| 56) Diethylphthalate           | 15.27 | 149  | 4527566  | 81.876  | ng/ul  | 98       |
| 58) Fluorene                   | 15.49 | 166  | 4602268  | 85.591  | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.49 | 204  | 2588949  | 90.376  | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.53 | 138  | 864691   | 76.180  | ng/ul  | 99       |
| 63) 4,6-Dinitro-2-methylphenol | 15.58 | 198  | 884747   | 103.276 | ng/ul# | 96       |
| 64) N-Nitrosodiphenylamine     | 15.70 | 169  | 3972154  | 89.574  | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.38 | 248  | 1649370  | 98.071  | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.49 | 284  | 1831675  | 95.780  | ng/ul  | 98       |
| 67) Atrazine                   | 16.66 | 200  | 1432898  | 87.682  | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.83 | 266  | 1020256  | 92.595  | ng/ul  | 97       |
| 69) Phenanthrene               | 17.23 | 178  | 6826622  | 86.005  | ng/ul  | 98       |
| 71) Anthracene                 | 17.32 | 178  | 6964733  | 85.602  | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.23 | 216  | 2158970  | 92.338  | ng/ul  | 99       |
| 73) Pentachlorobenzene         | 14.76 | 250  | 2169826  | 98.536  | ng/ul  | 98       |
| 74) Carbazole                  | 17.59 | 167  | 5763054  | 81.452  | ng/ul  | 100      |
| 75) Di-n-butylphthalate        | 18.15 | 149  | 6922422  | 78.260  | ng/ul  | 100      |
| 76) Fluoranthene               | 19.24 | 202  | 7434194  | 81.729  | ng/ul  | 99       |
| 79) Pyrene                     | 19.61 | 202  | 7389572  | 92.139  | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.50 | 149  | 2873779  | 87.916  | ng/ul  | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.29 | 252  | 2525075  | 87.683  | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.35 | 228  | 6969504  | 85.991  | ng/ul  | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.27 | 149  | 4098192  | 74.340  | ng/ul# | 97       |
| 84) Chrysene                   | 21.40 | 228  | 6432591  | 85.533  | ng/ul  | 98       |
| 86) Di-n-octyl phthalate       | 22.16 | 149  | 6730952  | 84.303  | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.96 | 252  | 6712770  | 85.676  | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 23.00 | 252  | 6725189  | 89.801  | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.55 | 252  | 6495729  | 87.143  | ng/ul  | 100      |
| 91) Indeno(1,2,3-cd)pyrene     | 25.96 | 276  | 7898128  | 89.710  | ng/ul  | 100      |
| 92) Dibenzo(a,h)anthracene     | 25.97 | 278  | 6633900  | 88.928  | ng/ul  | 100      |
| 93) Benzo(g,h,i)perylene       | 26.67 | 276  | 6398888  | 89.587  | ng/ul  | 99       |

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

