

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070119\  
 Data File : BM021335.D  
 Acq On : 02 Jul 2019 07:21  
 Operator : HP/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02037

Quant Time: Jul 02 08:03:24 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 02 01:54:12 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 217532   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.53 | 136  | 959661   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.39 | 164  | 624642   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.14 | 188  | 1327310  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.33 | 240  | 995562   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.60 | 264  | 1130386  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 29420   | 6.42  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.92  | 99  | 338191  | 17.86 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.09  | 67  | 188496  | 16.71 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.28  | 132 | 277308  | 18.02 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.46  | 113 | 288534  | 18.26 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.92  | 128 | 142488  | 18.29 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.63  | 143 | 163984  | 18.96 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.16 | 165 | 343951  | 19.56 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.68 | 131 | 351663  | 19.17 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.80 | 166 | 1008632 | 17.87 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.09 | 160 | 1279140 | 18.51 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.61 | 143 | 129703  | 14.13 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.39 | 176 | 868214  | 17.68 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 127215  | 15.59 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.24 | 188 | 1263112 | 18.31 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.54 | 212 | 1129038 | 18.90 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.46 | 264 | 1118214 | 16.77 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.31  | 88  | 29210  | 6.301  | ng/uL 98  |
| 4) Benzaldehyde                | 6.90  | 77  | 232914 | 26.983 | ng/ul 97  |
| 6) Phenol                      | 6.95  | 94  | 343632 | 19.188 | ng/ul 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.19  | 93  | 257267 | 18.822 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.32  | 128 | 285355 | 19.682 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.19  | 108 | 268919 | 19.407 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.28  | 45  | 329475 | 18.877 | ng/ul 98  |
| 14) Acetophenone               | 8.57  | 105 | 448561 | 19.719 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.56  | 70  | 226565 | 19.138 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.52  | 108 | 295003 | 19.563 | ng/ul 99  |
| 17) Hexachloroethane           | 8.82  | 117 | 116342 | 19.252 | ng/ul 95  |
| 20) Nitrobenzene               | 8.96  | 77  | 347041 | 19.824 | ng/ul 97  |
| 21) Isophorone                 | 9.47  | 82  | 632860 | 19.196 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.66  | 139 | 172909 | 19.880 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.72  | 107 | 350598 | 19.731 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.96  | 93  | 385554 | 18.977 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.19 | 162 | 332091 | 20.740 | ng/ul 97  |
| 28) Naphthalene                | 10.59 | 128 | 971669 | 19.721 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.71 | 127 | 347909 | 20.164 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.85 | 225 | 219476 | 20.117 | ng/ul 99  |
| 32) Caprolactam                | 11.50 | 113 | 113966 | 25.318 | ng/ul 98  |
| 33) 4-Chloro-3-methylphenol    | 11.83 | 107 | 329702 | 20.196 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.20 | 142 | 752030 | 19.906 | ng/ul 100 |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 02 01:54:12 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.57 | 216  | 457607   | 20.521 | ng/ul | 97       |
| 37) Hexachlorocyclopentadiene  | 12.54 | 237  | 121518   | 9.160  | ng/ul | 97       |
| 38) 2,4,6-Trichlorophenol      | 12.82 | 196  | 285271   | 20.586 | ng/ul | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.89 | 196  | 302780   | 20.455 | ng/ul | 100      |
| 40) 1,1'-Biphenyl              | 13.22 | 154  | 1008218  | 19.566 | ng/ul | 99       |
| 41) 2-Chloronaphthalene        | 13.26 | 162  | 804509   | 19.762 | ng/ul | 98       |
| 42) 2-Nitroaniline             | 13.48 | 65   | 190805   | 19.285 | ng/ul | 96       |
| 44) Dimethylphthalate          | 13.86 | 163  | 999266   | 19.449 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 13.99 | 165  | 195655   | 19.953 | ng/ul | 94       |
| 47) Acenaphthylene             | 14.12 | 152  | 1171210  | 19.799 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.32 | 138  | 164376   | 19.149 | ng/ul | 98       |
| 49) Acenaphthene               | 14.46 | 153  | 846566   | 19.521 | ng/ul | 100      |
| 50) 2,4-Dinitrophenol          | 14.53 | 184  | 63163    | 12.822 | ng/ul | 93       |
| 52) 4-Nitrophenol              | 14.63 | 109  | 105768   | 15.576 | ng/ul | 98       |
| 53) Dibenzofuran               | 14.79 | 168  | 1217763  | 19.722 | ng/ul | 99       |
| 54) 2,4-Dinitrotoluene         | 14.77 | 165  | 281106   | 19.754 | ng/ul | 97       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.02 | 232  | 260061   | 20.147 | ng/ul | 99       |
| 56) Diethylphthalate           | 15.22 | 149  | 974149   | 19.652 | ng/ul | 99       |
| 58) Fluorene                   | 15.44 | 166  | 985250   | 19.639 | ng/ul | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.44 | 204  | 548023   | 20.036 | ng/ul | 98       |
| 60) 4-Nitroaniline             | 15.48 | 138  | 160972   | 17.641 | ng/ul | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.54 | 198  | 133156   | 16.257 | ng/ul | 97       |
| 64) N-Nitrosodiphenylamine     | 15.66 | 169  | 837324   | 20.830 | ng/ul | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.33 | 248  | 345643   | 21.236 | ng/ul | 99       |
| 66) Hexachlorobenzene          | 16.44 | 284  | 395596   | 21.206 | ng/ul | 98       |
| 67) Atrazine                   | 16.62 | 200  | 368544   | 25.271 | ng/ul | 98       |
| 68) Pentachlorophenol          | 16.79 | 266  | 183108   | 19.576 | ng/ul | 96       |
| 69) Phenanthrene               | 17.19 | 178  | 1461128  | 19.904 | ng/ul | 100      |
| 71) Anthracene                 | 17.28 | 178  | 1468735  | 19.634 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.18 | 216  | 449890   | 21.546 | ng/uL | 99       |
| 73) Pentachlorobenzene         | 14.71 | 250  | 481862   | 22.427 | ng/uL | 98       |
| 74) Carbazole                  | 17.55 | 167  | 1159248  | 18.803 | ng/ul | 100      |
| 75) Di-n-butylphthalate        | 18.11 | 149  | 1513005  | 20.441 | ng/ul | 100      |
| 76) Fluoranthene               | 19.20 | 202  | 1446671  | 18.239 | ng/ul | 99       |
| 79) Pvrene                     | 19.57 | 202  | 1438307  | 20.436 | ng/ul | 99       |
| 80) Butylbenzylphthalate       | 20.47 | 149  | 538473   | 20.668 | ng/ul | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.26 | 252  | 401532   | 17.995 | ng/ul | 100      |
| 82) Benzo(a)anthracene         | 21.32 | 228  | 1331134  | 19.612 | ng/ul | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.24 | 149  | 788938   | 21.268 | ng/ul | 99       |
| 84) Chrysene                   | 21.37 | 228  | 1253316  | 19.716 | ng/ul | 99       |
| 86) Di-n-octyl phthalate       | 22.13 | 149  | 1236887  | 18.989 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.91 | 252  | 1358978  | 18.979 | ng/ul | 99       |
| 88) Benzo(k)fluoranthene       | 22.96 | 252  | 1343386  | 19.502 | ng/ul | 99       |
| 90) Benzo(a)pyrene             | 23.50 | 252  | 1313798  | 19.494 | ng/ul | 100      |
| 91) Indeno(1,2,3-cd)pyrene     | 25.89 | 276  | 1636005  | 20.615 | ng/ul | 100      |
| 92) Dibenzo(a,h)anthracene     | 25.90 | 278  | 1372702  | 20.561 | ng/ul | 99       |
| 93) Benzo(g,h,i)perylene       | 26.59 | 276  | 1360490  | 20.815 | ng/ul | 98       |

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

