

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\  
 Data File : BM021486.D  
 Acq On : 17 Jul 2019 08:31  
 Operator : HP/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02042

Quant Time: Jul 17 15:02:46 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM070819MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 12 05:46:23 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 140737   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.51 | 136  | 546703   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.37 | 164  | 321537   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.12 | 188  | 730889   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.31 | 240  | 781784   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.57 | 264  | 889645   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 23139  | 8.10  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.90  | 99  | 204459 | 18.68 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.07  | 67  | 119952 | 18.49 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.26  | 132 | 177253 | 18.82 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.43  | 113 | 165855 | 19.03 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.89  | 128 | 82499  | 18.32 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.60  | 143 | 88813  | 17.44 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.13 | 165 | 188845 | 18.59 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 10.66 | 131 | 204473 | 22.27 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.79 | 166 | 517686 | 18.38 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.06 | 160 | 673476 | 19.05 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.59 | 143 | 74194  | 16.63 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.36 | 176 | 467405 | 18.60 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.50 | 200 | 76318  | 15.53 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.22 | 188 | 727126 | 19.15 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.52 | 212 | 803690 | 18.73 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.43 | 264 | 906548 | 17.72 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.29  | 88  | 22870  | 7.616  | ng/uL 95  |
| 4) Benzaldehyde                | 6.89  | 77  | 147530 | 24.972 | ng/ul 100 |
| 6) Phenol                      | 6.93  | 94  | 211902 | 20.231 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.16  | 93  | 163909 | 20.240 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.29  | 128 | 179684 | 19.850 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.17  | 108 | 157124 | 19.687 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.25  | 45  | 208001 | 21.063 | ng/ul 98  |
| 14) Acetophenone               | 8.55  | 105 | 268226 | 20.431 | ng/ul 97  |
| 15) N-Nitroso-di-n-propylamine | 8.53  | 70  | 129949 | 19.740 | ng/ul 96  |
| 16) 4-Methylphenol             | 8.50  | 108 | 170107 | 20.103 | ng/ul 97  |
| 17) Hexachloroethane           | 8.79  | 117 | 81808  | 20.668 | ng/ul 98  |
| 20) Nitrobenzene               | 8.93  | 77  | 206959 | 20.518 | ng/ul 100 |
| 21) Isophorone                 | 9.45  | 82  | 351066 | 19.637 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.63  | 139 | 97338  | 19.195 | ng/ul 92  |
| 24) 2,4-Dimethylphenol         | 9.69  | 107 | 197697 | 20.038 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.93  | 93  | 224646 | 20.145 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.16 | 162 | 184414 | 19.851 | ng/ul 99  |
| 28) Naphthalene                | 10.56 | 128 | 578927 | 20.348 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.69 | 127 | 203140 | 23.145 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 10.83 | 225 | 141620 | 20.627 | ng/ul 99  |
| 32) Caprolactam                | 11.49 | 113 | 51171  | 21.107 | ng/ul 98  |
| 33) 4-Chloro-3-methylphenol    | 11.81 | 107 | 169196 | 19.566 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.17 | 142 | 416130 | 19.842 | ng/ul 99  |

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 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02042

Quant Time: Jul 17 15:02:46 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM070819MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 12 05:46:23 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.55 | 216  | 256736   | 20.531 | ng/ul | 98       |
| 37) Hexachlorocyclopentadiene  | 12.51 | 237  | 121209   | 19.054 | ng/ul | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.79 | 196  | 144764   | 19.452 | ng/ul | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.87 | 196  | 158086   | 20.042 | ng/ul | 98       |
| 40) 1,1'-Biphenyl              | 13.20 | 154  | 546873   | 20.321 | ng/ul | 99       |
| 41) 2-Chloronaphthalene        | 13.24 | 162  | 440013   | 20.402 | ng/ul | 98       |
| 42) 2-Nitroaniline             | 13.46 | 65   | 88111    | 18.697 | ng/ul | 95       |
| 44) Dimethylphthalate          | 13.83 | 163  | 518622   | 19.778 | ng/ul | 99       |
| 45) 2,6-Dinitrotoluene         | 13.96 | 165  | 88715    | 18.579 | ng/ul | 98       |
| 47) Acenaphthylene             | 14.09 | 152  | 622495   | 20.236 | ng/ul | 100      |
| 48) 3-Nitroaniline             | 14.30 | 138  | 77205    | 17.974 | ng/ul | 99       |
| 49) Acenaphthene               | 14.43 | 153  | 453251   | 20.277 | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.51 | 184  | 39931    | 13.905 | ng/ul | 90       |
| 52) 4-Nitrophenol              | 14.60 | 109  | 62764    | 18.882 | ng/ul | 93       |
| 53) Dibenzofuran               | 14.77 | 168  | 662013   | 20.445 | ng/ul | 100      |
| 54) 2,4-Dinitrotoluene         | 14.76 | 165  | 142232   | 19.421 | ng/ul | 94       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.00 | 232  | 139033   | 19.778 | ng/ul | 98       |
| 56) Diethylphthalate           | 15.20 | 149  | 493988   | 19.621 | ng/ul | 97       |
| 58) Fluorene                   | 15.42 | 166  | 527253   | 20.127 | ng/ul | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.42 | 204  | 295768   | 20.202 | ng/ul | 98       |
| 60) 4-Nitroaniline             | 15.46 | 138  | 76233    | 17.284 | ng/ul | 91       |
| 63) 4,6-Dinitro-2-methylphenol | 15.52 | 198  | 81902    | 16.756 | ng/ul | 99       |
| 64) N-Nitrosodiphenylamine     | 15.63 | 169  | 440236   | 20.248 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.31 | 248  | 182839   | 20.219 | ng/ul | 97       |
| 66) Hexachlorobenzene          | 16.42 | 284  | 219371   | 20.404 | ng/ul | 98       |
| 67) Atrazine                   | 16.59 | 200  | 183909   | 22.895 | ng/ul | 99       |
| 68) Pentachlorophenol          | 16.77 | 266  | 101931   | 17.986 | ng/ul | 98       |
| 69) Phenanthrene               | 17.16 | 178  | 842953   | 20.454 | ng/ul | 99       |
| 71) Anthracene                 | 17.25 | 178  | 858627   | 20.470 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.16 | 216  | 249007   | 20.783 | ng/uL | 98       |
| 73) Pentachlorobenzene         | 14.68 | 250  | 265400   | 21.503 | ng/uL | 99       |
| 74) Carbazole                  | 17.53 | 167  | 697009   | 20.020 | ng/ul | 99       |
| 75) Di-n-butylphthalate        | 18.09 | 149  | 755343   | 18.937 | ng/ul | 99       |
| 76) Fluoranthene               | 19.18 | 202  | 991806   | 20.267 | ng/ul | 99       |
| 79) Pvrene                     | 19.54 | 202  | 1033553  | 19.976 | ng/ul | 99       |
| 80) Butylbenzylphthalate       | 20.45 | 149  | 317792   | 17.339 | ng/ul | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.24 | 252  | 314739   | 18.107 | ng/ul | 99       |
| 82) Benzo(a)anthracene         | 21.30 | 228  | 1079533  | 20.164 | ng/ul | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.22 | 149  | 479751   | 17.795 | ng/ul | 99       |
| 84) Chrysene                   | 21.34 | 228  | 1037800  | 20.620 | ng/ul | 100      |
| 86) Di-n-octyl phthalate       | 22.10 | 149  | 827845   | 17.226 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.89 | 252  | 1103455  | 19.904 | ng/ul | 100      |
| 88) Benzo(k)fluoranthene       | 22.93 | 252  | 1141862  | 20.678 | ng/ul | 99       |
| 90) Benzo(a)pyrene             | 23.47 | 252  | 1084005  | 20.243 | ng/ul | 100      |
| 91) Indeno(1,2,3-cd)pyrene     | 25.84 | 276  | 1359223  | 20.549 | ng/ul | 100      |
| 92) Dibenzo(a,h)anthracene     | 25.85 | 278  | 1145169  | 20.594 | ng/ul | 99       |
| 93) Benzo(g,h,i)perylene       | 26.54 | 276  | 1133340  | 20.768 | ng/ul | 100      |

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

