

Data File : BM018048.D  
Acq On : 11 Dec 2018 05:32  
Operator : JU/SJ  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Dec 11 08:10:37 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Dec 11 06:43:59 2018  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 213350   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.32 | 136  | 911829   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.20 | 164  | 484161   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.96 | 188  | 924242   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.17 | 240  | 709782   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.35 | 264  | 760210   | 20.00 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.16  | 96  | 33692  | 7.23  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.75  | 99  | 340496 | 17.47 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.90  | 67  | 200297 | 17.05 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.09  | 132 | 296234 | 19.43 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.27  | 113 | 273897 | 17.20 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.70  | 128 | 138626 | 19.79 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.42  | 143 | 162202 | 20.21 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.95  | 165 | 286443 | 18.75 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.47 | 131 | 260810 | 19.89 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.63 | 166 | 771002 | 18.35 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.89 | 160 | 976415 | 19.21 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.44 | 143 | 108508 | 14.21 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.20 | 176 | 640267 | 17.65 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.35 | 200 | 88613  | 13.41 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.06 | 188 | 877103 | 19.06 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.37 | 212 | 775753 | 22.59 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.21 | 264 | 761662 | 18.47 | ng/ul | 0.00 |

#### Target Compounds

|                                |       |     |         |              | Qvalue |
|--------------------------------|-------|-----|---------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.19  | 88  | 37448   | 7.529 ng/uL# | 92     |
| 4) Benzaldehyde                | 6.72  | 77  | 59690   | 16.428 ng/ul | 92     |
| 6) Phenol                      | 6.77  | 94  | 340322  | 17.498 ng/ul | 92     |
| 8) Bis(2-Chloroethyl)ether     | 7.00  | 93  | 259592  | 17.470 ng/ul | 96     |
| 10) 2-Chlorophenol             | 7.12  | 128 | 292555  | 19.206 ng/ul | 96     |
| 11) 2-Methylphenol             | 8.00  | 108 | 266316  | 17.947 ng/ul | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.09  | 45  | 296419m | 16.908 ng/ul |        |
| 14) Acetophenone               | 8.37  | 105 | 416285  | 16.775 ng/ul | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.36  | 70  | 214018  | 16.536 ng/ul | 95     |
| 16) 4-Methylphenol             | 8.33  | 108 | 278482  | 17.367 ng/ul | 96     |
| 17) Hexachloroethane           | 8.60  | 117 | 116314  | 18.833 ng/ul | 95     |
| 20) Nitrobenzene               | 8.75  | 77  | 304372  | 17.314 ng/ul | 95     |
| 21) Isophorone                 | 9.27  | 82  | 584110  | 17.861 ng/ul | 99     |
| 23) 2-Nitrophenol              | 9.45  | 139 | 163897  | 19.625 ng/ul | 96     |
| 24) 2,4-Dimethylphenol         | 9.52  | 107 | 320015  | 18.343 ng/ul | 97     |
| 25) Bis(2-Chloroethoxy)methane | 9.75  | 93  | 350724  | 17.526 ng/ul | 98     |
| 27) 2,4-Dichlorophenol         | 9.98  | 162 | 271471  | 18.820 ng/ul | 100    |
| 28) Naphthalene                | 10.37 | 128 | 897304  | 18.887 ng/ul | 99     |
| 30) 4-Chloroaniline            | 10.50 | 127 | 270078  | 20.192 ng/ul | 97     |
| 31) Hexachlorobutadiene        | 10.64 | 225 | 176004  | 18.372 ng/ul | 99     |
| 32) Caprolactam                | 11.29 | 113 | 80338   | 16.834 ng/ul | 95     |
| 33) 4-Chloro-3-methylphenol    | 11.63 | 107 | 283449  | 17.302 ng/ul | 99     |
| 34) 2-Methylnaphthalene        | 11.99 | 142 | 634327  | 17.886 ng/ul | 100    |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.37 | 216  | 319260   | 19.762 | ng/ul | 96       |
| 37) Hexachlorocyclopentadiene  | 12.33 | 237  | 113135   | 10.859 | ng/ul | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.62 | 196  | 207557   | 19.769 | ng/ul | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.70 | 196  | 217048   | 19.329 | ng/ul | 98       |
| 40) 1,1'-Biphenyl              | 13.03 | 154  | 781705   | 19.613 | ng/ul | 99       |
| 41) 2-Chloronaphthalene        | 13.06 | 162  | 612369   | 19.642 | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.29 | 65   | 162970   | 17.951 | ng/ul | 95       |
| 44) Dimethylphthalate          | 13.67 | 163  | 739755   | 18.176 | ng/ul | 99       |
| 45) 2,6-Dinitrotoluene         | 13.80 | 165  | 153070   | 19.140 | ng/ul | 92       |
| 47) Acenaphthylene             | 13.92 | 152  | 914756   | 19.265 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.13 | 138  | 139912   | 18.338 | ng/ul | 94       |
| 49) Acenaphthene               | 14.27 | 153  | 638151   | 18.648 | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.36 | 184  | 53002    | 9.775  | ng/ul | 95       |
| 52) 4-Nitrophenol              | 14.46 | 109  | 81643    | 12.996 | ng/ul | 95       |
| 53) Dibenzofuran               | 14.61 | 168  | 885124   | 18.278 | ng/ul | 97       |
| 54) 2,4-Dinitrotoluene         | 14.60 | 165  | 211361   | 17.455 | ng/ul | 97       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.84 | 232  | 181053   | 17.487 | ng/ul | 98       |
| 56) Diethylphthalate           | 15.04 | 149  | 728038   | 17.364 | ng/ul | 99       |
| 58) Fluorene                   | 15.26 | 166  | 707745   | 17.526 | ng/ul | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.26 | 204  | 362555   | 17.479 | ng/ul | 97       |
| 60) 4-Nitroaniline             | 15.31 | 138  | 131585   | 15.514 | ng/ul | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 88102    | 12.939 | ng/ul | 94       |
| 64) N-Nitrosodiphenylamine     | 15.48 | 169  | 608620   | 21.388 | ng/ul | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.16 | 248  | 221213   | 20.946 | ng/ul | 97       |
| 66) Hexachlorobenzene          | 16.26 | 284  | 235351   | 20.048 | ng/ul | 95       |
| 67) Atrazine                   | 16.44 | 200  | 206246   | 19.540 | ng/ul | 99       |
| 68) Pentachlorophenol          | 16.62 | 266  | 125635   | 17.202 | ng/ul | 98       |
| 69) Phenanthrene               | 17.00 | 178  | 1003888  | 18.994 | ng/ul | 99       |
| 71) Anthracene                 | 17.10 | 178  | 1032988  | 19.111 | ng/ul | 98       |
| 72) 1,2,3,4-Tetrachlorobenzene | 12.99 | 216  | 310900   | 23.737 | ng/uL | 97       |
| 73) Pentachlorobenzene         | 14.53 | 250  | 300092   | 22.401 | ng/uL | 99       |
| 74) Carbazole                  | 17.38 | 167  | 855812   | 17.969 | ng/ul | 99       |
| 75) Di-n-butylphthalate        | 17.94 | 149  | 1118417  | 18.581 | ng/ul | 99       |
| 76) Fluoranthene               | 19.03 | 202  | 981076   | 15.781 | ng/ul | 99       |
| 79) Pyrene                     | 19.40 | 202  | 966889   | 22.440 | ng/ul | 100      |
| 80) Butylbenzylphthalate       | 20.32 | 149  | 413603   | 22.449 | ng/ul | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.10 | 252  | 214244   | 14.663 | ng/ul | 99       |
| 82) Benzo(a)anthracene         | 21.16 | 228  | 830645   | 18.868 | ng/ul | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.10 | 149  | 579778   | 21.251 | ng/ul | 99       |
| 84) Chrysene                   | 21.21 | 228  | 781747   | 18.987 | ng/ul | 98       |
| 86) Di-n-octyl phthalate       | 21.96 | 149  | 945076   | 17.749 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.70 | 252  | 848494   | 17.956 | ng/ul | 98       |
| 88) Benzo(k)fluoranthene       | 22.74 | 252  | 795365   | 17.318 | ng/ul | 99       |
| 90) Benzo(a)pyrene             | 23.26 | 252  | 812299   | 18.127 | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.50 | 276  | 999406   | 21.048 | ng/ul | 99       |
| 92) Dibenzo(a,h)anthracene     | 25.51 | 278  | 836346   | 20.862 | ng/ul | 97       |
| 93) Benzo(g,h,i)perylene       | 26.16 | 276  | 846569   | 22.061 | ng/ul | 99       |

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

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