

Data File : BM018059.D  
Acq On : 11 Dec 2018 16:10  
Operator : JU/SJ  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD02090

Manual Integrations  
APPROVED

Sohil  
12/12/2018 5:42:35 PM

Quant Time: Dec 12 00:58:36 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 12 00:24:38 2018  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 173521   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.32 | 136  | 760056   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.20 | 164  | 437638   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.96 | 188  | 958671   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.17 | 240  | 878198   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.35 | 264  | 728015   | 20.00 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 27585  | 7.28  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.74  | 99  | 290235 | 18.31 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.90  | 67  | 167697 | 17.55 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.09  | 132 | 247954 | 20.00 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.26  | 113 | 234747 | 18.13 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.70  | 128 | 118920 | 20.37 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.42  | 143 | 136401 | 20.39 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.95  | 165 | 251830 | 19.78 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.47 | 131 | 218658 | 20.01 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.62 | 166 | 714629 | 18.82 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.89 | 160 | 904946 | 19.69 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.44 | 143 | 110107 | 15.95 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.20 | 176 | 611993 | 18.66 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.35 | 200 | 112295 | 16.39 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.06 | 188 | 933067 | 19.55 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.37 | 212 | 982158 | 23.11 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.22 | 264 | 779281 | 19.74 | ng/ul | 0.00 |

#### Target Compounds

|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.19  | 88  | 27840   | 6.882  | ng/uL 96  |
| 4) Benzaldehyde                | 6.72  | 77  | 51271   | 17.350 | ng/ul 88  |
| 6) Phenol                      | 6.77  | 94  | 282747  | 17.874 | ng/ul 95  |
| 8) Bis(2-Chloroethyl)ether     | 6.99  | 93  | 223757  | 18.515 | ng/ul 93  |
| 10) 2-Chlorophenol             | 7.12  | 128 | 245728  | 19.835 | ng/ul 95  |
| 11) 2-Methylphenol             | 8.00  | 108 | 224469  | 18.599 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.08  | 45  | 243795m | 17.099 | ng/ul     |
| 14) Acetophenone               | 8.38  | 105 | 363732  | 18.022 | ng/ul 94  |
| 15) N-Nitroso-di-n-propylamine | 8.36  | 70  | 179674  | 17.068 | ng/ul 95  |
| 16) 4-Methylphenol             | 8.33  | 108 | 237515  | 18.212 | ng/ul 99  |
| 17) Hexachloroethane           | 8.60  | 117 | 97947   | 19.500 | ng/ul 94  |
| 20) Nitrobenzene               | 8.75  | 77  | 264137  | 18.026 | ng/ul 92  |
| 21) Isophorone                 | 9.27  | 82  | 489510  | 17.958 | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.45  | 139 | 140507  | 20.184 | ng/ul 94  |
| 24) 2,4-Dimethylphenol         | 9.52  | 107 | 272975  | 18.771 | ng/ul 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.75  | 93  | 310467  | 18.612 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 9.98  | 162 | 231628  | 19.264 | ng/ul 99  |
| 28) Naphthalene                | 10.36 | 128 | 789054  | 19.925 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.50 | 127 | 218020  | 19.555 | ng/ul 96  |
| 31) Hexachlorobutadiene        | 10.64 | 225 | 155594  | 19.485 | ng/ul 100 |
| 32) Caprolactam                | 11.28 | 113 | 72975m  | 18.345 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.63 | 107 | 251143  | 18.391 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 11.99 | 142 | 565198  | 19.119 | ng/ul 99  |

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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 | 12.36 | 216  | 286592   | 19.626 | ng/ul | 96       |
| 37) Hexachlorocyclopentadiene  | 12.33 | 237  | 168248   | 17.866 | ng/ul | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.62 | 196  | 185699   | 19.567 | ng/ul | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.69 | 196  | 194092   | 19.122 | ng/ul | 98       |
| 40) 1,1'-Biphenyl              | 13.02 | 154  | 705036   | 19.570 | ng/ul | 99       |
| 41) 2-Chloronaphthalene        | 13.06 | 162  | 563407   | 19.992 | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.29 | 65   | 148610   | 18.109 | ng/ul | 95       |
| 44) Dimethylphthalate          | 13.67 | 163  | 684748   | 18.613 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 13.80 | 165  | 141366   | 19.555 | ng/ul | 93       |
| 47) Acenaphthylene             | 13.92 | 152  | 839372   | 19.557 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.13 | 138  | 135148   | 19.597 | ng/ul | 92       |
| 49) Acenaphthene               | 14.26 | 153  | 596396   | 19.281 | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.35 | 184  | 90063    | 18.375 | ng/ul | 94       |
| 52) 4-Nitrophenol              | 14.45 | 109  | 84828    | 14.938 | ng/ul | 94       |
| 53) Dibenzofuran               | 14.60 | 168  | 828862   | 18.936 | ng/ul | 98       |
| 54) 2,4-Dinitrotoluene         | 14.60 | 165  | 207886   | 18.993 | ng/ul | 95       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.84 | 232  | 174456   | 18.641 | ng/ul | 97       |
| 56) Diethylphthalate           | 15.05 | 149  | 687510   | 18.141 | ng/ul | 98       |
| 58) Fluorene                   | 15.26 | 166  | 682177   | 18.689 | ng/ul | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.26 | 204  | 341957   | 18.238 | ng/ul | 97       |
| 60) 4-Nitroaniline             | 15.30 | 138  | 132532   | 17.287 | ng/ul | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.36 | 198  | 116578   | 16.506 | ng/ul | 91       |
| 64) N-Nitrosodiphenylamine     | 15.48 | 169  | 590908   | 20.020 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.16 | 248  | 217432   | 19.848 | ng/ul | 97       |
| 66) Hexachlorobenzene          | 16.26 | 284  | 246889   | 20.276 | ng/ul | 97       |
| 67) Atrazine                   | 16.45 | 200  | 209553   | 19.141 | ng/ul | 99       |
| 68) Pentachlorophenol          | 16.62 | 266  | 139602   | 18.428 | ng/ul | 98       |
| 69) Phenanthrene               | 17.00 | 178  | 1074277  | 19.596 | ng/ul | 99       |
| 71) Anthracene                 | 17.09 | 178  | 1093934  | 19.512 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 12.98 | 216  | 282219   | 20.773 | ng/uL | 99       |
| 73) Pentachlorobenzene         | 14.52 | 250  | 283264   | 20.385 | ng/uL | 99       |
| 74) Carbazole                  | 17.37 | 167  | 953613   | 19.303 | ng/ul | 99       |
| 75) Di-n-butylphthalate        | 17.94 | 149  | 1190616  | 19.070 | ng/ul | 99       |
| 76) Fluoranthene               | 19.03 | 202  | 1222770  | 18.962 | ng/ul | 98       |
| 79) Pyrene                     | 19.40 | 202  | 1227251  | 23.021 | ng/ul | 99       |
| 80) Butylbenzylphthalate       | 20.32 | 149  | 541654   | 23.761 | ng/ul | 96       |
| 81) 3,3'-Dichlorobenzidine     | 21.10 | 252  | 331858   | 18.357 | ng/ul | 100      |
| 82) Benzo(a)anthracene         | 21.16 | 228  | 1080468  | 19.836 | ng/ul | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.10 | 149  | 800302   | 23.709 | ng/ul | 99       |
| 84) Chrysene                   | 21.21 | 228  | 1016287  | 19.950 | ng/ul | 99       |
| 86) Di-n-octyl phthalate       | 21.97 | 149  | 1295691  | 25.410 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.70 | 252  | 925835   | 20.459 | ng/ul | 99       |
| 88) Benzo(k)fluoranthene       | 22.74 | 252  | 859296   | 19.538 | ng/ul | 98       |
| 90) Benzo(a)pyrene             | 23.26 | 252  | 823123   | 19.181 | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.50 | 276  | 925014   | 20.343 | ng/ul | 100      |
| 92) Dibenzo(a,h)anthracene     | 25.52 | 278  | 778642   | 20.282 | ng/ul | 99       |
| 93) Benzo(g,h,i)perylene       | 26.16 | 276  | 774882   | 21.086 | ng/ul | 99       |

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

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