

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\  
 Data File : BM018036.D  
 Acq On : 10 Dec 2018 21:43  
 Operator : JU/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02087

Manual Integrations  
 APPROVED

Sohil  
 12/11/2018 6:11:21 PM

Quant Time: Dec 11 06:44:56 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 11 06:16:54 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 159847   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.32 | 136  | 707170   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.20 | 164  | 434150   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.96 | 188  | 994687   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.17 | 240  | 1185282  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.34 | 264  | 1227975  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 24436   | 7.00  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.74  | 99  | 257111  | 17.61 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.90  | 67  | 148570  | 16.88 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.09  | 132 | 213865  | 18.72 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.26  | 113 | 212107  | 17.78 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.70  | 128 | 104521  | 19.24 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.42  | 143 | 122093  | 19.62 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.95  | 165 | 225414  | 19.03 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.47 | 131 | 197935  | 19.47 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.62 | 166 | 700523  | 18.60 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.89 | 160 | 857513  | 18.81 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.43 | 143 | 111692  | 16.31 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.20 | 176 | 602363  | 18.52 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.34 | 200 | 124960  | 17.57 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.06 | 188 | 941116  | 19.00 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.36 | 212 | 1058718 | 18.46 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.21 | 264 | 1243965 | 18.68 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         | Ovalue          |
|--------------------------------|-------|-----|---------|-----------------|
| 2) 1,4-Dioxane                 | 3.19  | 88  | 26662   | 7.155 ng/uL# 86 |
| 4) Benzaldehyde                | 6.72  | 77  | 44257   | 16.258 ng/ul 94 |
| 6) Phenol                      | 6.77  | 94  | 255235  | 17.515 ng/ul 96 |
| 8) Bis(2-Chloroethyl)ether     | 6.99  | 93  | 199899  | 17.956 ng/ul 95 |
| 10) 2-Chlorophenol             | 7.12  | 128 | 217389  | 19.048 ng/ul 97 |
| 11) 2-Methylphenol             | 8.00  | 108 | 199161  | 17.914 ng/ul 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.07  | 45  | 217908m | 16.590 ng/ul    |
| 14) Acetophenone               | 8.37  | 105 | 328147  | 17.649 ng/ul 97 |
| 15) N-Nitroso-di-n-propylamine | 8.36  | 70  | 172835  | 17.823 ng/ul 97 |
| 16) 4-Methylphenol             | 8.33  | 108 | 220865  | 18.384 ng/ul 96 |
| 17) Hexachloroethane           | 8.60  | 117 | 84451   | 18.251 ng/ul 95 |
| 20) Nitrobenzene               | 8.75  | 77  | 243876  | 17.888 ng/ul 96 |
| 21) Isophorone                 | 9.27  | 82  | 468863  | 18.486 ng/ul 99 |
| 23) 2-Nitrophenol              | 9.45  | 139 | 126997  | 19.607 ng/ul 96 |
| 24) 2,4-Dimethylphenol         | 9.52  | 107 | 254736  | 18.827 ng/ul 98 |
| 25) Bis(2-Chloroethoxy)methane | 9.75  | 93  | 283542  | 18.269 ng/ul 98 |
| 27) 2,4-Dichlorophenol         | 9.97  | 162 | 210118  | 18.782 ng/ul 96 |
| 28) Naphthalene                | 10.36 | 128 | 702786  | 19.074 ng/ul 99 |
| 30) 4-Chloroaniline            | 10.50 | 127 | 199855  | 19.266 ng/ul 95 |
| 31) Hexachlorobutadiene        | 10.64 | 225 | 139841  | 18.822 ng/ul 97 |
| 32) Caprolactam                | 11.28 | 113 | 69424m  | 18.757 ng/ul    |
| 33) 4-Chloro-3-methylphenol    | 11.63 | 107 | 237430  | 18.687 ng/ul 98 |
| 34) 2-Methylnaphthalene        | 11.99 | 142 | 521166  | 18.948 ng/ul 97 |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.36 | 216  | 267071   | 18.436 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.33 | 237  | 139653   | 14.949 | ng/ul  | 96       |
| 38) 2,4,6-Trichlorophenol      | 12.62 | 196  | 175063   | 18.594 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.70 | 196  | 186483   | 18.520 | ng/ul  | 94       |
| 40) 1,1'-Biphenyl              | 13.02 | 154  | 671343   | 18.785 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.06 | 162  | 526105   | 18.819 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.29 | 65   | 145612   | 17.886 | ng/ul  | 98       |
| 44) Dimethylphthalate          | 13.67 | 163  | 676995   | 18.550 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 13.80 | 165  | 140029   | 19.526 | ng/ul  | 98       |
| 47) Acenaphthylene             | 13.92 | 152  | 809086   | 19.003 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.13 | 138  | 126797   | 18.534 | ng/ul  | 91       |
| 49) Acenaphthene               | 14.26 | 153  | 571250   | 18.616 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.35 | 184  | 78522    | 16.149 | ng/ul  | 95       |
| 52) 4-Nitrophenol              | 14.45 | 109  | 89958    | 15.969 | ng/ul  | 95       |
| 53) Dibenzofuran               | 14.60 | 168  | 806289   | 18.569 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.60 | 165  | 208345   | 19.188 | ng/ul# | 91       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.84 | 232  | 176987   | 19.063 | ng/ul  | 96       |
| 56) Diethylphthalate           | 15.04 | 149  | 688327   | 18.308 | ng/ul  | 99       |
| 58) Fluorene                   | 15.26 | 166  | 670769   | 18.524 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.26 | 204  | 345646   | 18.583 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.30 | 138  | 134594   | 17.697 | ng/ul  | 97       |
| 63) 4,6-Dinitro-2-methylphenol | 15.36 | 198  | 129890   | 17.725 | ng/ul  | 94       |
| 64) N-Nitrosodiphenylamine     | 15.48 | 169  | 591956   | 19.329 | ng/ul  | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.16 | 248  | 218198   | 19.197 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.26 | 284  | 237180   | 18.773 | ng/ul  | 95       |
| 67) Atrazine                   | 16.44 | 200  | 213250   | 18.773 | ng/ul  | 100      |
| 68) Pentachlorophenol          | 16.62 | 266  | 138125   | 17.573 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.00 | 178  | 1080946  | 19.003 | ng/ul  | 98       |
| 71) Anthracene                 | 17.09 | 178  | 1117171  | 19.204 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 12.98 | 216  | 264645   | 18.774 | ng/uL  | 98       |
| 73) Pentachlorobenzene         | 14.52 | 250  | 274929   | 19.069 | ng/uL  | 99       |
| 74) Carbazole                  | 17.37 | 167  | 966077   | 18.847 | ng/ul  | 100      |
| 75) Di-n-butylphthalate        | 17.94 | 149  | 1195176  | 18.450 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.03 | 202  | 1288470  | 19.258 | ng/ul  | 99       |
| 79) Pvrene                     | 19.39 | 202  | 1329668  | 18.480 | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.32 | 149  | 571563   | 18.577 | ng/ul  | 96       |
| 81) 3,3'-Dichlorobenzidine     | 21.10 | 252  | 451919   | 18.521 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.16 | 228  | 1362099  | 18.528 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.10 | 149  | 860214   | 18.881 | ng/ul  | 99       |
| 84) Chrysene                   | 21.21 | 228  | 1300141  | 18.910 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 21.96 | 149  | 1477130  | 17.174 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.70 | 252  | 1434080  | 18.788 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 22.74 | 252  | 1312014  | 17.686 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.25 | 252  | 1344996  | 18.581 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.50 | 276  | 1511912  | 19.713 | ng/ul  | 99       |
| 92) Dibenzo(a,h)anthracene     | 25.50 | 278  | 1270489  | 19.620 | ng/ul  | 98       |
| 93) Benzo(g,h,i)perylene       | 26.15 | 276  | 1223608  | 19.740 | ng/ul  | 99       |

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

