

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120818\  
 Data File : BM018012.D  
 Acq On : 08 Dec 2018 11:10  
 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02084

Quant Time: Dec 10 03:39:51 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 07 22:20:53 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 143132   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.32 | 136  | 588517   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.20 | 164  | 314676   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.96 | 188  | 664966   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.17 | 240  | 676580   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.34 | 264  | 645458   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.16  | 96  | 25035  | 8.01  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.75  | 99  | 213930 | 16.37 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.91  | 67  | 127374 | 16.16 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.09  | 132 | 191052 | 18.68 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.27  | 113 | 171869 | 16.09 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.71  | 128 | 85345  | 18.88 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.42  | 143 | 93127  | 17.98 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.95  | 165 | 175299 | 17.78 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.48 | 131 | 147846 | 17.47 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.62 | 166 | 491737 | 18.01 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.89 | 160 | 618464 | 18.72 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.44 | 143 | 61255  | 12.34 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.20 | 176 | 424526 | 18.01 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.34 | 200 | 74926  | 15.76 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.06 | 188 | 625475 | 18.89 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.37 | 212 | 657883 | 20.09 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.21 | 264 | 652512 | 18.64 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.19  | 88  | 27059  | 8.109  | ng/uL 95  |
| 4) Benzaldehyde                | 6.72  | 77  | 36250  | 14.872 | ng/ul 91  |
| 6) Phenol                      | 6.77  | 94  | 211877 | 16.238 | ng/ul 92  |
| 8) Bis(2-Chloroethyl)ether     | 7.00  | 93  | 170582 | 17.112 | ng/ul 95  |
| 10) 2-Chlorophenol             | 7.12  | 128 | 187233 | 18.322 | ng/ul 96  |
| 11) 2-Methylphenol             | 8.00  | 108 | 165763 | 16.651 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.09  | 45  | 185710 | 15.790 | ng/ul 96  |
| 14) Acetophenone               | 8.37  | 105 | 267833 | 16.088 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.36  | 70  | 131952 | 15.196 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.33  | 108 | 172981 | 16.079 | ng/ul 99  |
| 17) Hexachloroethane           | 8.60  | 117 | 77859  | 18.792 | ng/ul 92  |
| 20) Nitrobenzene               | 8.75  | 77  | 198723 | 17.515 | ng/ul 94  |
| 21) Isophorone                 | 9.27  | 82  | 356465 | 16.888 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.45  | 139 | 98700  | 18.311 | ng/ul 94  |
| 24) 2,4-Dimethylphenol         | 9.52  | 107 | 197753 | 17.562 | ng/ul 97  |
| 25) Bis(2-Chloroethoxy)methane | 9.76  | 93  | 226713 | 17.553 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 9.98  | 162 | 172272 | 18.504 | ng/ul 98  |
| 28) Naphthalene                | 10.37 | 128 | 575693 | 18.775 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.50 | 127 | 154117 | 17.852 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 10.65 | 225 | 118732 | 19.203 | ng/ul 98  |
| 32) Caprolactam                | 11.29 | 113 | 44349  | 14.398 | ng/ul 96  |
| 33) 4-Chloro-3-methylphenol    | 11.63 | 107 | 172870 | 16.349 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 11.99 | 142 | 399712 | 17.462 | ng/ul 97  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.37 | 216  | 211273   | 20.122 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.33 | 237  | 101412   | 14.977 | ng/ul  | 97       |
| 38) 2,4,6-Trichlorophenol      | 12.62 | 196  | 127747   | 18.720 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.70 | 196  | 136933   | 18.763 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 13.03 | 154  | 507160   | 19.579 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.06 | 162  | 393720   | 19.430 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.29 | 65   | 100535   | 17.038 | ng/ul  | 99       |
| 44) Dimethylphthalate          | 13.67 | 163  | 474588   | 17.941 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.80 | 165  | 94781    | 18.235 | ng/ul  | 99       |
| 47) Acenaphthylene             | 13.92 | 152  | 587118   | 19.025 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.14 | 138  | 82935    | 16.725 | ng/ul  | 89       |
| 49) Acenaphthene               | 14.27 | 153  | 415127   | 18.665 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.36 | 184  | 37949    | 10.768 | ng/ul  | 93       |
| 52) 4-Nitrophenol              | 14.46 | 109  | 50493    | 12.367 | ng/ul  | 94       |
| 53) Dibenzofuran               | 14.60 | 168  | 575508   | 18.286 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.60 | 165  | 134408   | 17.078 | ng/ul# | 94       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.84 | 232  | 118794   | 17.653 | ng/ul  | 98       |
| 56) Diethylphthalate           | 15.04 | 149  | 472528   | 17.340 | ng/ul  | 100      |
| 58) Fluorene                   | 15.26 | 166  | 470757   | 17.937 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.26 | 204  | 244530   | 18.138 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.31 | 138  | 78542    | 14.248 | ng/ul  | 98       |
| 63) 4,6-Dinitro-2-methylphenol | 15.36 | 198  | 75916    | 15.496 | ng/ul  | 95       |
| 64) N-Nitrosodiphenylamine     | 15.48 | 169  | 407355   | 19.897 | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.16 | 248  | 149320   | 19.651 | ng/ul  | 96       |
| 66) Hexachlorobenzene          | 16.26 | 284  | 165297   | 19.571 | ng/ul  | 98       |
| 67) Atrazine                   | 16.44 | 200  | 135411   | 17.831 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.62 | 266  | 89027    | 16.943 | ng/ul  | 96       |
| 69) Phenanthrene               | 17.00 | 178  | 722078   | 18.989 | ng/ul  | 99       |
| 71) Anthracene                 | 17.09 | 178  | 738598   | 18.992 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 12.99 | 216  | 202034   | 21.439 | ng/uL  | 97       |
| 73) Pentachlorobenzene         | 14.52 | 250  | 199627   | 20.712 | ng/uL  | 98       |
| 74) Carbazole                  | 17.38 | 167  | 613471   | 17.903 | ng/ul  | 98       |
| 75) Di-n-butylphthalate        | 17.94 | 149  | 769741   | 17.775 | ng/ul  | 99       |
| 76) Fluoranthene               | 19.03 | 202  | 812080   | 18.156 | ng/ul  | 98       |
| 79) Pvrene                     | 19.40 | 202  | 832633   | 20.273 | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.32 | 149  | 331225   | 18.860 | ng/ul  | 96       |
| 81) 3,3'-Dichlorobenzidine     | 21.10 | 252  | 237510   | 17.053 | ng/ul  | 97       |
| 82) Benzo(a)anthracene         | 21.16 | 228  | 783854   | 18.679 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.10 | 149  | 483942   | 18.609 | ng/ul  | 100      |
| 84) Chrysene                   | 21.21 | 228  | 749059   | 19.086 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 21.96 | 149  | 780412   | 17.263 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.70 | 252  | 754559   | 18.807 | ng/ul  | 100      |
| 88) Benzo(k)fluoranthene       | 22.74 | 252  | 730704   | 18.739 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.25 | 252  | 708762   | 18.628 | ng/ul  | 100      |
| 91) Indeno(1,2,3-cd)pyrene     | 25.50 | 276  | 804436   | 19.954 | ng/ul  | 99       |
| 92) Dibenzo(a,h)anthracene     | 25.51 | 278  | 676604   | 19.878 | ng/ul  | 98       |
| 93) Benzo(g,h,i)perylene       | 26.16 | 276  | 663455   | 20.363 | ng/ul  | 98       |

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

