

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\  
 Data File : BM014348.D  
 Acq On : 24 Feb 2018 01:31  
 Operator : SJ/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02002

Manual Integrations  
 APPROVED

Sohil  
 2/26/2018 4:50:33 PM

Quant Time: Feb 24 02:44:12 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 23 23:12:42 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 130691   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.29 | 136  | 619439   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.18 | 164  | 384732   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.94 | 188  | 881084   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.15 | 240  | 731735   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.32 | 264  | 536745   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.10  | 96  | 21939m | 7.19  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.72  | 99  | 215195 | 19.48 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.87  | 67  | 126269 | 18.88 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.06  | 132 | 174613 | 20.62 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.25  | 113 | 180477 | 18.67 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.69  | 128 | 89979  | 19.66 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.40  | 143 | 96131  | 20.29 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.93  | 165 | 190526 | 19.41 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.45 | 131 | 211786 | 21.91 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.60 | 166 | 616155 | 19.39 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.87 | 160 | 783834 | 20.01 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.43 | 143 | 75947  | 17.31 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.19 | 176 | 534669 | 18.78 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.33 | 200 | 92630  | 17.53 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.04 | 188 | 825711 | 19.42 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.34 | 212 | 853308 | 22.61 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.18 | 264 | 508735 | 19.47 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.13  | 88  | 23156   | 6.826  | ng/uL# 65 |
| 4) Benzaldehyde                | 6.69  | 77  | 92158   | 20.464 | ng/ul 98  |
| 6) Phenol                      | 6.75  | 94  | 214916  | 18.542 | ng/ul 93  |
| 8) Bis(2-Chloroethyl)ether     | 6.97  | 93  | 167725  | 19.944 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.09  | 128 | 173392  | 20.051 | ng/ul 96  |
| 11) 2-Methylphenol             | 7.97  | 108 | 169758  | 19.148 | ng/ul 93  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.06  | 45  | 170642m | 20.106 | ng/ul     |
| 14) Acetophenone               | 8.35  | 105 | 305662  | 18.331 | ng/ul 96  |
| 15) N-Nitroso-di-n-propylamine | 8.33  | 70  | 159003  | 19.028 | ng/ul# 70 |
| 16) 4-Methylphenol             | 8.30  | 108 | 181309  | 18.767 | ng/ul 92  |
| 17) Hexachloroethane           | 8.57  | 117 | 82826   | 18.386 | ng/ul# 73 |
| 20) Nitrobenzene               | 8.72  | 77  | 241387  | 17.830 | ng/ul 99  |
| 21) Isophorone                 | 9.25  | 82  | 441987  | 19.086 | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.43  | 139 | 101382  | 19.757 | ng/ul 92  |
| 24) 2,4-Dimethylphenol         | 9.49  | 107 | 232750  | 18.500 | ng/ul 95  |
| 25) Bis(2-Chloroethoxy)methane | 9.73  | 93  | 241193  | 19.773 | ng/ul# 89 |
| 27) 2,4-Dichlorophenol         | 9.96  | 162 | 177944  | 19.111 | ng/ul# 91 |
| 28) Naphthalene                | 10.35 | 128 | 605098  | 19.019 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.47 | 127 | 201341  | 20.420 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.62 | 225 | 133835  | 18.117 | ng/ul 94  |
| 32) Caprolactam                | 11.26 | 113 | 59176m  | 19.843 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.62 | 107 | 214874  | 19.099 | ng/ul 96  |
| 34) 2-Methylnaphthalene        | 11.97 | 142 | 460722  | 19.026 | ng/ul 94  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.35 | 216  | 247748   | 20.061 | ng/ul# | 95       |
| 37) Hexachlorocyclopentadiene  | 12.31 | 237  | 97105    | 14.448 | ng/ul# | 95       |
| 38) 2,4,6-Trichlorophenol      | 12.60 | 196  | 158270   | 20.541 | ng/ul  | 94       |
| 39) 2,4,5-Trichlorophenol      | 12.68 | 196  | 152316   | 19.344 | ng/ul  | 92       |
| 40) 1,1'-Biphenyl              | 13.00 | 154  | 617020   | 20.819 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.05 | 162  | 484042   | 20.446 | ng/ul  | 94       |
| 42) 2-Nitroaniline             | 13.27 | 65   | 155120   | 19.364 | ng/ul  | 97       |
| 44) Dimethylphthalate          | 13.65 | 163  | 612343   | 19.545 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.78 | 165  | 124636   | 20.939 | ng/ul# | 87       |
| 47) Acenaphthylene             | 13.90 | 152  | 749465   | 20.239 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.12 | 138  | 103773   | 20.570 | ng/ul  | 99       |
| 49) Acenaphthene               | 14.25 | 153  | 519386   | 19.919 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.35 | 184  | 51023    | 15.938 | ng/ul# | 82       |
| 52) 4-Nitrophenol              | 14.45 | 109  | 92437    | 16.073 | ng/ul# | 64       |
| 53) Dibenzofuran               | 14.59 | 168  | 754238   | 19.291 | ng/ul  | 91       |
| 54) 2,4-Dinitrotoluene         | 14.59 | 165  | 185870   | 19.489 | ng/ul# | 63       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.82 | 232  | 149830   | 18.816 | ng/ul# | 75       |
| 56) Diethylphthalate           | 15.03 | 149  | 647266   | 18.540 | ng/ul  | 94       |
| 58) Fluorene                   | 15.24 | 166  | 622723   | 18.449 | ng/ul  | 96       |
| 59) 4-Chlorophenyl-phenylether | 15.24 | 204  | 319356   | 18.089 | ng/ul  | 95       |
| 60) 4-Nitroaniline             | 15.29 | 138  | 92533    | 16.355 | ng/ul# | 71       |
| 63) 4,6-Dinitro-2-methylphenol | 15.35 | 198  | 96560    | 17.950 | ng/ul  | 91       |
| 64) N-Nitrosodiphenylamine     | 15.46 | 169  | 509082   | 20.106 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.13 | 248  | 195024   | 19.837 | ng/ul# | 86       |
| 66) Hexachlorobenzene          | 16.24 | 284  | 197431   | 19.096 | ng/ul# | 79       |
| 67) Atrazine                   | 16.42 | 200  | 194430   | 19.444 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 16.60 | 266  | 100971   | 18.637 | ng/ul  | 96       |
| 69) Phenanthrene               | 16.98 | 178  | 972025   | 19.148 | ng/ul  | 99       |
| 71) Anthracene                 | 17.07 | 178  | 989897   | 19.390 | ng/ul  | 99       |
| 72) Carbazole                  | 17.36 | 167  | 783866   | 18.260 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 17.92 | 149  | 1056816  | 19.082 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.01 | 202  | 1081150  | 17.826 | ng/ul# | 92       |
| 77) Pyrene                     | 19.37 | 202  | 1067245  | 21.947 | ng/ul# | 89       |
| 78) Butylbenzylphthalate       | 20.29 | 149  | 458990   | 22.828 | ng/ul# | 96       |
| 79) 3,3'-Dichlorobenzidine     | 21.07 | 252  | 243311   | 18.913 | ng/ul# | 90       |
| 80) Benzo(a)anthracene         | 21.13 | 228  | 906858   | 19.858 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.07 | 149  | 623669   | 21.658 | ng/ul# | 96       |
| 82) Chrysene                   | 21.19 | 228  | 830309   | 19.490 | ng/ul  | 97       |
| 84) Di-n-octyl phthalate       | 21.93 | 149  | 927664   | 20.141 | ng/ul# | 94       |
| 85) Benzo(b)fluoranthene       | 22.67 | 252  | 683327   | 19.013 | ng/ul# | 97       |
| 86) Benzo(k)fluoranthene       | 22.72 | 252  | 679973   | 19.900 | ng/ul# | 97       |
| 88) Benzo(a)pyrene             | 23.23 | 252  | 618317   | 19.253 | ng/ul# | 96       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.47 | 276  | 648533   | 20.810 | ng/ul# | 95       |
| 90) Dibenzo(a,h)anthracene     | 25.48 | 278  | 552554   | 21.338 | ng/ul# | 98       |
| 91) Benzo(g,h,i)perylene       | 26.13 | 276  | 530652   | 21.019 | ng/ul# | 95       |

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

