

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM040918\  
 Data File : BM014686.D  
 Acq On : 09 Apr 2018 14:30  
 Operator : SJ/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02073

Quant Time: Apr 10 01:37:26 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032818MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 10 01:36:38 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.57  | 152  | 365387   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.42 | 136  | 1444480  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.17 | 164  | 714864   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.88 | 188  | 1423061  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.97 | 240  | 1474814  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 24.48 | 264  | 1482382  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.69  | 96  | 69438   | 9.14  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.69  | 99  | 571081  | 19.60 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.87  | 67  | 374287  | 20.42 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 8.09  | 132 | 474495  | 19.74 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.27  | 113 | 450601  | 18.93 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.75  | 128 | 213044  | 22.93 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.49 | 143 | 184496  | 22.10 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 11.02 | 165 | 422219  | 19.79 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.54 | 131 | 552410  | 22.90 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.56 | 166 | 1102506 | 19.52 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.87 | 160 | 1456941 | 20.31 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.32 | 143 | 184328  | 20.11 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 16.14 | 176 | 973741  | 20.04 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.24 | 200 | 120335  | 19.81 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.98 | 188 | 1389312 | 20.72 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 20.22 | 212 | 1434310 | 19.16 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 24.31 | 264 | 1494415 | 20.53 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.73  | 88  | 72769   | 8.899  | ng/uL 95  |
| 4) Benzaldehyde                | 7.69  | 77  | 366645  | 22.008 | ng/ul 93  |
| 6) Phenol                      | 7.72  | 94  | 568914  | 19.993 | ng/ul 93  |
| 8) Bis(2-Chloroethyl)ether     | 7.97  | 93  | 456951  | 20.317 | ng/ul# 89 |
| 10) 2-Chlorophenol             | 8.12  | 128 | 472230  | 19.891 | ng/ul# 90 |
| 11) 2-Methylphenol             | 9.00  | 108 | 412049  | 19.016 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 9.10  | 45  | 849139  | 20.368 | ng/ul# 81 |
| 14) Acetophenone               | 9.40  | 105 | 682874  | 19.394 | ng/ul# 89 |
| 15) N-Nitroso-di-n-propylamine | 9.38  | 70  | 337537  | 17.916 | ng/ul# 76 |
| 16) 4-Methylphenol             | 9.33  | 108 | 442495  | 19.001 | ng/ul 97  |
| 17) Hexachloroethane           | 9.69  | 117 | 193499  | 20.112 | ng/ul 98  |
| 20) Nitrobenzene               | 9.80  | 77  | 518876  | 21.903 | ng/ul 94  |
| 21) Isophorone                 | 10.32 | 82  | 847269  | 18.317 | ng/ul 98  |
| 23) 2-Nitrophenol              | 10.52 | 139 | 217702  | 22.384 | ng/ul# 90 |
| 24) 2,4-Dimethylphenol         | 10.55 | 107 | 490140  | 19.947 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 10.80 | 93  | 569658  | 20.015 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 11.05 | 162 | 402463  | 20.112 | ng/ul 99  |
| 28) Naphthalene                | 11.47 | 128 | 1451294 | 20.609 | ng/ul 100 |
| 30) 4-Chloroaniline            | 11.56 | 127 | 531366  | 23.055 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 11.75 | 225 | 270328  | 20.241 | ng/ul 97  |
| 32) Caprolactam                | 12.30 | 113 | 87460   | 14.598 | ng/ul# 52 |
| 33) 4-Chloro-3-methylphenol    | 12.64 | 107 | 399733  | 18.778 | ng/ul 96  |
| 34) 2-Methylnaphthalene        | 13.04 | 142 | 990810  | 19.723 | ng/ul 98  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.39 | 216  | 485795   | 21.408 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 13.37 | 237  | 321628   | 21.269 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 13.62 | 196  | 281149   | 20.860 | ng/ul  | 96       |
| 39) 2,4,5-Trichlorophenol      | 13.69 | 196  | 298962   | 21.175 | ng/ul  | 100      |
| 40) 1,1'-Biphenyl              | 14.02 | 154  | 1230535  | 21.495 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 14.07 | 162  | 949147   | 21.394 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 14.25 | 65   | 231094   | 22.355 | ng/ul  | 83       |
| 44) Dimethylphthalate          | 14.60 | 163  | 1073072  | 19.717 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 14.73 | 165  | 192244   | 21.871 | ng/ul  | 93       |
| 47) Acenaphthylene             | 14.90 | 152  | 1417027  | 20.825 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 15.06 | 138  | 203818   | 22.955 | ng/ul  | 94       |
| 49) Acenaphthene               | 15.23 | 153  | 987496   | 20.786 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 15.26 | 184  | 73665    | 19.364 | ng/ul# | 14       |
| 52) 4-Nitrophenol              | 15.33 | 109  | 143638   | 20.614 | ng/ul# | 87       |
| 53) Dibenzofuran               | 15.56 | 168  | 1346907  | 20.660 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 15.50 | 165  | 273321   | 21.540 | ng/ul# | 87       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.77 | 232  | 233403   | 19.432 | ng/ul  | 97       |
| 56) Diethylphthalate           | 15.94 | 149  | 1043269  | 19.161 | ng/ul  | 99       |
| 58) Fluorene                   | 16.20 | 166  | 1067992  | 20.111 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 16.19 | 204  | 534395   | 19.647 | ng/ul  | 94       |
| 60) 4-Nitroaniline             | 16.20 | 138  | 207114   | 20.650 | ng/ul  | 93       |
| 63) 4,6-Dinitro-2-methylphenol | 16.26 | 198  | 128394   | 19.580 | ng/ul# | 97       |
| 64) N-Nitrosodiphenylamine     | 16.39 | 169  | 890779   | 20.952 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 17.07 | 248  | 313572   | 19.655 | ng/ul  | 92       |
| 66) Hexachlorobenzene          | 17.19 | 284  | 364735   | 20.446 | ng/ul  | 91       |
| 67) Atrazine                   | 17.31 | 200  | 285298   | 19.266 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 17.52 | 266  | 172672   | 18.419 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.93 | 178  | 1608218  | 21.093 | ng/ul  | 99       |
| 71) Anthracene                 | 18.02 | 178  | 1638493  | 21.107 | ng/ul  | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.99 | 216  | 480758   | 22.035 | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 15.48 | 250  | 449092   | 21.367 | ng/uL  | 99       |
| 74) Carbazole                  | 18.27 | 167  | 1380384  | 21.479 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.79 | 149  | 1560436  | 19.559 | ng/ul  | 99       |
| 76) Fluoranthene               | 19.89 | 202  | 1724579  | 21.870 | ng/ul  | 99       |
| 79) Pyrene                     | 20.24 | 202  | 1784234  | 19.364 | ng/ul  | 97       |
| 80) Butylbenzylphthalate       | 21.08 | 149  | 622538   | 19.304 | ng/ul  | 94       |
| 81) 3,3'-Dichlorobenzidine     | 21.87 | 252  | 580040   | 21.730 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.95 | 228  | 1766895  | 20.432 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.84 | 149  | 899280   | 18.699 | ng/ul  | 99       |
| 84) Chrysene                   | 22.00 | 228  | 1661046  | 20.567 | ng/ul  | 100      |
| 86) Di-n-octyl phthalate       | 22.80 | 149  | 1472980  | 16.942 | ng/ul# | 89       |
| 87) Benzo(b)fluoranthene       | 23.71 | 252  | 1741957  | 19.588 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 23.76 | 252  | 1765303  | 20.627 | ng/ul  | 100      |
| 90) Benzo(a)pyrene             | 24.37 | 252  | 1709722  | 20.541 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 27.09 | 276  | 2049572  | 21.956 | ng/ul  | 96       |
| 92) Dibenzo(a,h)anthracene     | 27.10 | 278  | 1714927  | 21.908 | ng/ul  | 98       |
| 93) Benzo(g,h,i)perylene       | 27.90 | 276  | 1684912  | 22.201 | ng/ul  | 97       |

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

