

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\  
 Data File : BM014702.D  
 Acq On : 13 Apr 2018 16:40  
 Operator : SJ/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02077

Quant Time: Apr 13 23:56:33 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032818MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 13 23:54:45 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.57  | 152  | 409540   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.42 | 136  | 1753435  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.17 | 164  | 990293   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.88 | 188  | 2163852  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.97 | 240  | 2190133  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 24.48 | 264  | 1972987  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.69  | 96  | 65909   | 7.74  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.69  | 99  | 631845  | 19.35 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.87  | 67  | 399424  | 19.44 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 8.09  | 132 | 516726  | 19.18 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.27  | 113 | 517474  | 19.39 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.75  | 128 | 244599  | 21.69 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.49 | 143 | 242438  | 23.92 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 11.02 | 165 | 501124  | 19.35 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.54 | 131 | 664292  | 22.69 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.56 | 166 | 1487087 | 19.01 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.87 | 160 | 1873470 | 18.85 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.32 | 143 | 275700  | 21.71 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 16.14 | 176 | 1286246 | 19.11 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.24 | 200 | 191741  | 20.76 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.98 | 188 | 1949861 | 19.13 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 20.21 | 212 | 2079086 | 18.71 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 24.32 | 264 | 1856358 | 19.16 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.73  | 88  | 73144   | 7.980  | ng/uL 92  |
| 4) Benzaldehyde                | 7.69  | 77  | 398119  | 21.321 | ng/ul 96  |
| 6) Phenol                      | 7.72  | 94  | 619586  | 19.426 | ng/ul 94  |
| 8) Bis(2-Chloroethyl)ether     | 7.97  | 93  | 492198  | 19.525 | ng/ul# 86 |
| 10) 2-Chlorophenol             | 8.12  | 128 | 505810  | 19.008 | ng/ul# 92 |
| 11) 2-Methylphenol             | 9.00  | 108 | 461669  | 19.009 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 9.09  | 45  | 915376  | 19.590 | ng/ul# 82 |
| 14) Acetophenone               | 9.40  | 105 | 768477  | 19.472 | ng/ul# 92 |
| 15) N-Nitroso-di-n-propylamine | 9.38  | 70  | 397636  | 18.831 | ng/ul# 76 |
| 16) 4-Methylphenol             | 9.33  | 108 | 506257  | 19.395 | ng/ul 99  |
| 17) Hexachloroethane           | 9.68  | 117 | 197972  | 18.358 | ng/ul 99  |
| 20) Nitrobenzene               | 9.80  | 77  | 580091  | 20.173 | ng/ul 97  |
| 21) Isophorone                 | 10.32 | 82  | 1041495 | 18.548 | ng/ul 98  |
| 23) 2-Nitrophenol              | 10.52 | 139 | 266872  | 22.605 | ng/ul 91  |
| 24) 2,4-Dimethylphenol         | 10.55 | 107 | 562365  | 18.854 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 10.80 | 93  | 661186  | 19.138 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 11.05 | 162 | 471512  | 19.411 | ng/ul 99  |
| 28) Naphthalene                | 11.47 | 128 | 1620391 | 18.956 | ng/ul 100 |
| 30) 4-Chloroaniline            | 11.56 | 127 | 637637  | 22.791 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 11.75 | 225 | 294744  | 18.180 | ng/ul 99  |
| 32) Caprolactam                | 12.31 | 113 | 146493  | 20.143 | ng/ul# 49 |
| 33) 4-Chloro-3-methylphenol    | 12.64 | 107 | 507143  | 19.626 | ng/ul 95  |
| 34) 2-Methylnaphthalene        | 13.04 | 142 | 1159880 | 19.021 | ng/ul 99  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.39 | 216  | 571430   | 18.178 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 13.37 | 237  | 376923   | 17.993 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 13.62 | 196  | 371585   | 19.902 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 13.69 | 196  | 395345   | 20.213 | ng/ul  | 100      |
| 40) 1,1'-Biphenyl              | 14.02 | 154  | 1490477  | 18.794 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 14.07 | 162  | 1152367  | 18.751 | ng/ul  | 95       |
| 42) 2-Nitroaniline             | 14.25 | 65   | 327983   | 22.903 | ng/ul  | 85       |
| 44) Dimethylphthalate          | 14.60 | 163  | 1432722  | 19.004 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.73 | 165  | 278460   | 22.868 | ng/ul  | 97       |
| 47) Acenaphthylene             | 14.90 | 152  | 1788124  | 18.970 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 15.06 | 138  | 292374   | 23.770 | ng/ul  | 93       |
| 49) Acenaphthene               | 15.23 | 153  | 1250283  | 18.997 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 15.26 | 184  | 119203   | 22.620 | ng/ul# | 3        |
| 52) 4-Nitrophenol              | 15.33 | 109  | 200811   | 20.804 | ng/ul# | 81       |
| 53) Dibenzofuran               | 15.56 | 168  | 1727983  | 19.133 | ng/ul  | 96       |
| 54) 2,4-Dinitrotoluene         | 15.50 | 165  | 406045   | 23.100 | ng/ul  | 89       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.77 | 232  | 340259   | 20.449 | ng/ul  | 96       |
| 56) Diethylphthalate           | 15.94 | 149  | 1441699  | 19.114 | ng/ul  | 100      |
| 58) Fluorene                   | 16.20 | 166  | 1397970  | 19.003 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 16.19 | 204  | 701479   | 18.617 | ng/ul  | 92       |
| 60) 4-Nitroaniline             | 16.20 | 138  | 302509   | 21.773 | ng/ul  | 89       |
| 63) 4,6-Dinitro-2-methylphenol | 16.26 | 198  | 204681   | 20.528 | ng/ul  | 98       |
| 64) N-Nitrosodiphenylamine     | 16.39 | 169  | 1202675  | 18.604 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 17.07 | 248  | 435729   | 17.962 | ng/ul  | 92       |
| 66) Hexachlorobenzene          | 17.19 | 284  | 496558   | 18.306 | ng/ul  | 90       |
| 67) Atrazine                   | 17.31 | 200  | 428061   | 19.011 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 17.52 | 266  | 278951   | 19.568 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.92 | 178  | 2194977  | 18.933 | ng/ul  | 99       |
| 71) Anthracene                 | 18.02 | 178  | 2242614  | 18.999 | ng/ul  | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.99 | 216  | 581967   | 17.542 | ng/ul  | 100      |
| 73) Pentachlorobenzene         | 15.48 | 250  | 572689   | 17.920 | ng/ul  | 100      |
| 74) Carbazole                  | 18.27 | 167  | 1980986  | 20.272 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.79 | 149  | 2495370  | 20.570 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.89 | 202  | 2490738  | 20.773 | ng/ul  | 99       |
| 79) Pvrene                     | 20.24 | 202  | 2525655  | 18.458 | ng/ul  | 97       |
| 80) Butylbenzylphthalate       | 21.08 | 149  | 1056722  | 22.065 | ng/ul  | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.87 | 252  | 858865   | 21.667 | ng/ul  | 98       |
| 82) Benzo(a)anthracene         | 21.95 | 228  | 2466670  | 19.208 | ng/ul  | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.83 | 149  | 1482377  | 20.756 | ng/ul  | 99       |
| 84) Chrysene                   | 22.01 | 228  | 2277450  | 18.989 | ng/ul  | 100      |
| 86) Di-n-octyl phthalate       | 22.80 | 149  | 2319862  | 20.048 | ng/ul# | 89       |
| 87) Benzo(b)fluoranthene       | 23.71 | 252  | 2238272  | 18.910 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 23.76 | 252  | 2248514  | 19.740 | ng/ul  | 100      |
| 90) Benzo(a)pyrene             | 24.37 | 252  | 2100768  | 18.963 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 27.09 | 276  | 2234874  | 17.988 | ng/ul  | 97       |
| 92) Dibenzo(a,h)anthracene     | 27.10 | 278  | 1879798  | 18.043 | ng/ul  | 99       |
| 93) Benzo(g,h,i)perylene       | 27.89 | 276  | 1788756  | 17.709 | ng/ul  | 98       |

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

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Operator : SJ/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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