

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\  
 Data File : BM014711.D  
 Acq On : 13 Apr 2018 22:10  
 Operator : SJ/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02078

Quant Time: Apr 14 01:14:44 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032818MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Apr 14 01:12:03 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.57  | 152  | 487852   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.42 | 136  | 2025391  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.17 | 164  | 1049121  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.88 | 188  | 2034151  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.97 | 240  | 1767170  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 24.48 | 264  | 1704005  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.69  | 96  | 82154   | 8.10  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.69  | 99  | 768028  | 19.74 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.87  | 67  | 489991  | 20.02 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 8.09  | 132 | 638607  | 19.89 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.27  | 113 | 622936  | 19.60 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.76  | 128 | 298188  | 22.89 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.49 | 143 | 307096  | 26.23 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 11.02 | 165 | 597870  | 19.99 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.54 | 131 | 769687  | 22.76 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.56 | 166 | 1561147 | 18.83 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.87 | 160 | 2035453 | 19.33 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.33 | 143 | 275735  | 20.50 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 16.14 | 176 | 1335701 | 18.74 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.24 | 200 | 196864  | 22.67 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.98 | 188 | 1860778 | 19.42 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 20.21 | 212 | 1798192 | 20.05 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 24.31 | 264 | 1630140 | 19.48 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.73  | 88  | 91699   | 8.399  | ng/uL 92  |
| 4) Benzaldehyde                | 7.69  | 77  | 483622  | 21.742 | ng/ul 94  |
| 6) Phenol                      | 7.72  | 94  | 758637  | 19.968 | ng/ul 95  |
| 8) Bis(2-Chloroethyl)ether     | 7.97  | 93  | 600518  | 19.998 | ng/ul# 87 |
| 10) 2-Chlorophenol             | 8.12  | 128 | 625230  | 19.724 | ng/ul# 91 |
| 11) 2-Methylphenol             | 9.00  | 108 | 562307  | 19.436 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 9.10  | 45  | 1107567 | 19.898 | ng/ul# 82 |
| 14) Acetophenone               | 9.40  | 105 | 912485  | 19.409 | ng/ul# 91 |
| 15) N-Nitroso-di-n-propylamine | 9.38  | 70  | 471770  | 18.755 | ng/ul# 75 |
| 16) 4-Methylphenol             | 9.33  | 108 | 603864  | 19.421 | ng/ul 99  |
| 17) Hexachloroethane           | 9.68  | 117 | 246043  | 19.154 | ng/ul 99  |
| 20) Nitrobenzene               | 9.80  | 77  | 690571  | 20.790 | ng/ul 97  |
| 21) Isophorone                 | 10.32 | 82  | 1215104 | 18.734 | ng/ul 98  |
| 23) 2-Nitrophenol              | 10.52 | 139 | 333366  | 24.446 | ng/ul 92  |
| 24) 2,4-Dimethylphenol         | 10.56 | 107 | 673232  | 19.540 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 10.80 | 93  | 780429  | 19.556 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 11.05 | 162 | 563101  | 20.069 | ng/ul 99  |
| 28) Naphthalene                | 11.47 | 128 | 1906102 | 19.304 | ng/ul 100 |
| 30) 4-Chloroaniline            | 11.56 | 127 | 729899  | 22.586 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 11.74 | 225 | 348778  | 18.624 | ng/ul 98  |
| 32) Caprolactam                | 12.32 | 113 | 157333  | 18.729 | ng/ul# 55 |
| 33) 4-Chloro-3-methylphenol    | 12.65 | 107 | 570033  | 19.097 | ng/ul 94  |
| 34) 2-Methylnaphthalene        | 13.04 | 142 | 1331471 | 18.903 | ng/ul 100 |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 ClientSampleID :  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Apr 14 01:12:03 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.39 | 216  | 649619   | 19.507 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 13.37 | 237  | 444090   | 20.010 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 13.62 | 196  | 419528   | 21.210 | ng/ul  | 100      |
| 39) 2,4,5-Trichlorophenol      | 13.69 | 196  | 438796   | 21.177 | ng/ul  | 100      |
| 40) 1,1'-Biphenyl              | 14.02 | 154  | 1666599  | 19.836 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 14.07 | 162  | 1291369  | 19.834 | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 14.26 | 65   | 360866   | 23.786 | ng/ul  | 86       |
| 44) Dimethylphthalate          | 14.60 | 163  | 1493160  | 18.695 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.73 | 165  | 293684   | 22.766 | ng/ul  | 96       |
| 47) Acenaphthylene             | 14.90 | 152  | 1939364  | 19.421 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 15.06 | 138  | 303477   | 23.289 | ng/ul  | 93       |
| 49) Acenaphthene               | 15.23 | 153  | 1347162  | 19.322 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 15.26 | 184  | 129568   | 23.208 | ng/ul# | 1        |
| 52) 4-Nitrophenol              | 15.34 | 109  | 201798   | 19.734 | ng/ul# | 84       |
| 53) Dibenzofuran               | 15.56 | 168  | 1845230  | 19.286 | ng/ul  | 96       |
| 54) 2,4-Dinitrotoluene         | 15.50 | 165  | 413454   | 22.202 | ng/ul  | 90       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.77 | 232  | 356365   | 20.216 | ng/ul  | 96       |
| 56) Diethylphthalate           | 15.94 | 149  | 1449549  | 18.140 | ng/ul  | 100      |
| 58) Fluorene                   | 16.20 | 166  | 1454667  | 18.665 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 16.18 | 204  | 728241   | 18.244 | ng/ul  | 93       |
| 60) 4-Nitroaniline             | 16.20 | 138  | 305383   | 20.747 | ng/ul  | 89       |
| 63) 4,6-Dinitro-2-methylphenol | 16.26 | 198  | 206910   | 22.075 | ng/ul  | 98       |
| 64) N-Nitrosodiphenylamine     | 16.39 | 169  | 1221491  | 20.099 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 17.07 | 248  | 432119   | 18.949 | ng/ul# | 90       |
| 66) Hexachlorobenzene          | 17.19 | 284  | 489020   | 19.178 | ng/ul# | 90       |
| 67) Atrazine                   | 17.32 | 200  | 396004   | 18.708 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 17.52 | 266  | 273062   | 20.377 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.92 | 178  | 2121492  | 19.466 | ng/ul  | 100      |
| 71) Anthracene                 | 18.02 | 178  | 2151724  | 19.392 | ng/ul  | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.99 | 216  | 649817   | 20.836 | ng/uL  | 100      |
| 73) Pentachlorobenzene         | 15.48 | 250  | 608491   | 20.254 | ng/uL  | 99       |
| 74) Carbazole                  | 18.27 | 167  | 1819996  | 19.812 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.79 | 149  | 2162870  | 18.966 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.89 | 202  | 2192472  | 19.451 | ng/ul  | 99       |
| 79) Pvrene                     | 20.24 | 202  | 2193110  | 19.864 | ng/ul  | 97       |
| 80) Butylbenzylphthalate       | 21.08 | 149  | 888355   | 22.989 | ng/ul  | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.87 | 252  | 696827   | 21.787 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.95 | 228  | 2041079  | 19.698 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.83 | 149  | 1196246  | 20.758 | ng/ul  | 99       |
| 84) Chrysene                   | 22.00 | 228  | 1873636  | 19.361 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.79 | 149  | 1935415  | 19.366 | ng/ul# | 88       |
| 87) Benzo(b)fluoranthene       | 23.71 | 252  | 1945807  | 19.034 | ng/ul  | 100      |
| 88) Benzo(k)fluoranthene       | 23.76 | 252  | 1870267  | 19.011 | ng/ul  | 100      |
| 90) Benzo(a)pyrene             | 24.37 | 252  | 1837962  | 19.209 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 27.09 | 276  | 2204168  | 20.541 | ng/ul  | 98       |
| 92) Dibenzo(a,h)anthracene     | 27.10 | 278  | 1843109  | 20.483 | ng/ul  | 99       |
| 93) Benzo(g,h,i)perylene       | 27.89 | 276  | 1795168  | 20.578 | ng/ul  | 97       |

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

