

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071318\  
 Data File : BM015944.D  
 Acq On : 13 Jul 2018 15:21  
 Operator : SJ/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SICV35

Quant Time: Jul 13 18:48:35 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM071318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 13 15:16:46 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.27  | 152  | 54760    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.09 | 136  | 266161   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.89 | 164  | 165719   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.62 | 188  | 388673   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.74 | 240  | 478335   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 24.13 | 264  | 503186   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.50  | 96  | 9857   | 7.92  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.42  | 99  | 92183  | 18.42 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.59  | 67  | 61238  | 19.45 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.79  | 132 | 79661  | 19.60 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.98  | 113 | 80508  | 18.79 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.45  | 128 | 38067  | 19.92 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.17 | 143 | 42650  | 19.63 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.72 | 165 | 85214  | 20.25 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.23 | 131 | 111387 | 21.76 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.29 | 166 | 291313 | 19.29 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.59 | 160 | 337545 | 19.59 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.10 | 143 | 47860  | 18.28 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.87 | 176 | 245245 | 19.14 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.01 | 200 | 46604  | 17.97 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.72 | 188 | 385309 | 19.36 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.97 | 212 | 432526 | 19.51 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.97 | 264 | 538720 | 19.47 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.53  | 88  | 9982   | 8.227  | ng/uL 90  |
| 4) Benzaldehyde                | 7.40  | 77  | 66828  | 20.777 | ng/ul 91  |
| 6) Phenol                      | 7.45  | 94  | 93312  | 18.570 | ng/ul# 77 |
| 8) Bis(2-Chloroethyl)ether     | 7.68  | 93  | 71025  | 19.141 | ng/ul# 84 |
| 10) 2-Chlorophenol             | 7.82  | 128 | 78899  | 19.550 | ng/ul 93  |
| 11) 2-Methylphenol             | 8.72  | 108 | 71676  | 18.546 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.79  | 45  | 115023 | 19.516 | ng/ul# 90 |
| 14) Acetophenone               | 9.10  | 105 | 132649 | 18.629 | ng/ul# 80 |
| 15) N-Nitroso-di-n-propylamine | 9.07  | 70  | 70856  | 19.891 | ng/ul# 64 |
| 16) 4-Methylphenol             | 9.05  | 108 | 81433  | 19.080 | ng/ul 96  |
| 17) Hexachloroethane           | 9.35  | 117 | 36539  | 20.117 | ng/ul 90  |
| 20) Nitrobenzene               | 9.49  | 77  | 107899 | 19.974 | ng/ul# 87 |
| 21) Isophorone                 | 10.01 | 82  | 188383 | 19.987 | ng/ul 97  |
| 23) 2-Nitrophenol              | 10.21 | 139 | 48349  | 20.732 | ng/ul# 74 |
| 24) 2,4-Dimethylphenol         | 10.25 | 107 | 105006 | 19.688 | ng/ul 91  |
| 25) Bis(2-Chloroethoxy)methane | 10.49 | 93  | 108137 | 19.719 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.74 | 162 | 81783  | 19.849 | ng/ul 96  |
| 28) Naphthalene                | 11.14 | 128 | 273932 | 19.420 | ng/ul 99  |
| 30) 4-Chloroaniline            | 11.26 | 127 | 113300 | 22.194 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 11.40 | 225 | 56688  | 19.585 | ng/ul 94  |
| 32) Caprolactam                | 12.05 | 113 | 27079  | 19.498 | ng/ul# 59 |
| 33) 4-Chloro-3-methylphenol    | 12.36 | 107 | 95846  | 19.813 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.73 | 142 | 200936 | 19.199 | ng/ul 100 |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.09 | 216  | 101272   | 19.690 | ng/ul# | 96       |
| 37) Hexachlorocyclopentadiene  | 13.06 | 237  | 39373    | 16.146 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 13.34 | 196  | 68316    | 20.570 | ng/ul  | 96       |
| 39) 2,4,5-Trichlorophenol      | 13.42 | 196  | 72086    | 20.431 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.73 | 154  | 269889   | 19.232 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.77 | 162  | 209137   | 19.308 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.99 | 65   | 69632    | 20.090 | ng/ul# | 72       |
| 44) Dimethylphthalate          | 14.34 | 163  | 290141   | 19.396 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.47 | 165  | 54371    | 20.341 | ng/ul# | 65       |
| 47) Acenaphthylene             | 14.62 | 152  | 331674   | 19.657 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.81 | 138  | 55747    | 20.255 | ng/ul  | 91       |
| 49) Acenaphthene               | 14.95 | 153  | 232812   | 18.998 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 15.03 | 184  | 25350    | 17.162 | ng/ul# | 1        |
| 52) 4-Nitrophenol              | 15.11 | 109  | 56625    | 18.148 | ng/ul# | 81       |
| 53) Dibenzofuran               | 15.29 | 168  | 329450   | 18.839 | ng/ul  | 89       |
| 54) 2,4-Dinitrotoluene         | 15.27 | 165  | 85080    | 19.832 | ng/ul# | 44       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.51 | 232  | 62403    | 19.415 | ng/ul# | 84       |
| 56) Diethylphthalate           | 15.69 | 149  | 314731   | 19.357 | ng/ul  | 97       |
| 58) Fluorene                   | 15.93 | 166  | 272829   | 19.256 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.92 | 204  | 133407   | 18.894 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.97 | 138  | 56740    | 18.794 | ng/ul# | 70       |
| 63) 4,6-Dinitro-2-methylphenol | 16.03 | 198  | 47109    | 17.733 | ng/ul# | 84       |
| 64) N-Nitrosodiphenylamine     | 16.13 | 169  | 233404   | 19.387 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.80 | 248  | 80493    | 19.217 | ng/ul  | 96       |
| 66) Hexachlorobenzene          | 16.93 | 284  | 90944    | 19.446 | ng/ul  | 94       |
| 67) Atrazine                   | 17.06 | 200  | 91949    | 19.137 | ng/ul  | 95       |
| 68) Pentachlorophenol          | 17.27 | 266  | 45124    | 17.948 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.66 | 178  | 439801   | 19.139 | ng/ul  | 99       |
| 71) Anthracene                 | 17.75 | 178  | 450695   | 19.021 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.70 | 216  | 106265   | 19.544 | ng/uL  | 98       |
| 73) Pentachlorobenzene         | 15.20 | 250  | 103435   | 19.444 | ng/uL  | 97       |
| 74) Carbazole                  | 18.02 | 167  | 403257   | 18.779 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.54 | 149  | 536397   | 19.551 | ng/ul# | 98       |
| 76) Fluoranthene               | 19.64 | 202  | 525581   | 18.224 | ng/ul  | 96       |
| 79) Pyrene                     | 20.00 | 202  | 551391   | 19.554 | ng/ul  | 95       |
| 80) Butylbenzylphthalate       | 20.86 | 149  | 269478   | 19.864 | ng/ul# | 85       |
| 81) 3,3'-Dichlorobenzidine     | 21.64 | 252  | 210355   | 19.992 | ng/ul  | 98       |
| 82) Benzo(a)anthracene         | 21.72 | 228  | 597031   | 19.305 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.60 | 149  | 398775   | 20.045 | ng/ul  | 94       |
| 84) Chrysene                   | 21.77 | 228  | 553681   | 19.140 | ng/ul  | 100      |
| 86) Di-n-octyl phthalate       | 22.52 | 149  | 691733   | 17.552 | ng/ul# | 84       |
| 87) Benzo(b)fluoranthene       | 23.44 | 252  | 604632   | 18.732 | ng/ul  | 98       |
| 88) Benzo(k)fluoranthene       | 23.44 | 252  | 604632   | 19.596 | ng/ul  | 98       |
| 90) Benzo(a)pyrene             | 24.03 | 252  | 597532   | 19.253 | ng/ul  | 98       |
| 91) Indeno(1,2,3-cd)pyrene     | 26.59 | 276  | 720202   | 18.874 | ng/ul# | 93       |
| 92) Dibenzo(a,h)anthracene     | 26.59 | 278  | 605062   | 18.725 | ng/ul# | 96       |
| 93) Benzo(g,h,i)perylene       | 27.34 | 276  | 582250   | 19.083 | ng/ul  | 95       |

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

