

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070219\  
 Data File : BM021337.D  
 Acq On : 02 Jul 2019 11:32  
 Operator : HP/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02038

Quant Time: Jul 02 16:45:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 02 01:54:12 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 239953   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.53 | 136  | 1047604  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.39 | 164  | 681650   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.14 | 188  | 1532420  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.33 | 240  | 1128058  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.60 | 264  | 1235117  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 33553   | 6.64  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.92  | 99  | 368645  | 17.65 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.09  | 67  | 205279  | 16.50 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.28  | 132 | 307685  | 18.13 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.46  | 113 | 314068  | 18.01 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.91  | 128 | 158200  | 18.60 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.63  | 143 | 180043  | 19.07 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.16 | 165 | 372428  | 19.40 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.68 | 131 | 432375  | 21.59 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.80 | 166 | 1101798 | 17.89 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.09 | 160 | 1409413 | 18.69 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.61 | 143 | 149667  | 14.94 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.39 | 176 | 960796  | 17.93 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 151366  | 16.07 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.24 | 188 | 1453440 | 18.25 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.54 | 212 | 1337423 | 19.76 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.46 | 264 | 1237322 | 16.98 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.30  | 88  | 35517   | 6.946  | ng/uL 97  |
| 4) Benzaldehyde                | 6.90  | 77  | 250810  | 26.341 | ng/ul 99  |
| 6) Phenol                      | 6.95  | 94  | 375083  | 18.987 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.19  | 93  | 284866  | 18.894 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.32  | 128 | 313635  | 19.611 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.19  | 108 | 296304  | 19.385 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.28  | 45  | 359678  | 18.682 | ng/ul 99  |
| 14) Acetophenone               | 8.57  | 105 | 492509  | 19.628 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.56  | 70  | 249563  | 19.110 | ng/ul 97  |
| 16) 4-Methylphenol             | 8.52  | 108 | 323219  | 19.432 | ng/ul 99  |
| 17) Hexachloroethane           | 8.82  | 117 | 128527  | 19.281 | ng/ul 95  |
| 20) Nitrobenzene               | 8.95  | 77  | 376667  | 19.710 | ng/ul 98  |
| 21) Isophorone                 | 9.47  | 82  | 694492  | 19.297 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.66  | 139 | 193769  | 20.408 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.72  | 107 | 382845  | 19.737 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.96  | 93  | 424937  | 19.160 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.19 | 162 | 361212  | 20.665 | ng/ul 98  |
| 28) Naphthalene                | 10.59 | 128 | 1063765 | 19.778 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.70 | 127 | 429277  | 22.791 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.85 | 225 | 240453  | 20.190 | ng/ul 98  |
| 32) Caprolactam                | 11.50 | 113 | 125925  | 25.626 | ng/ul 99  |
| 33) 4-Chloro-3-methylphenol    | 11.83 | 107 | 362671  | 20.351 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.20 | 142 | 821430  | 19.918 | ng/ul 100 |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02038

Quant Time: Jul 02 16:45:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 02 01:54:12 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.57 | 216  | 491293   | 20.189 | ng/ul | 99       |
| 37) Hexachlorocyclopentadiene  | 12.53 | 237  | 224099   | 15.480 | ng/ul | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.82 | 196  | 312307   | 20.652 | ng/ul | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.89 | 196  | 339544   | 21.020 | ng/ul | 99       |
| 40) 1,1'-Biphenyl              | 13.22 | 154  | 1098657  | 19.538 | ng/ul | 99       |
| 41) 2-Chloronaphthalene        | 13.26 | 162  | 887387   | 19.975 | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.48 | 65   | 211159   | 19.558 | ng/ul | 98       |
| 44) Dimethylphthalate          | 13.85 | 163  | 1095656  | 19.542 | ng/ul | 98       |
| 45) 2,6-Dinitrotoluene         | 13.98 | 165  | 218087   | 20.380 | ng/ul | 96       |
| 47) Acenaphthylene             | 14.12 | 152  | 1285946  | 19.921 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.32 | 138  | 202031   | 21.567 | ng/ul | 97       |
| 49) Acenaphthene               | 14.46 | 153  | 933038   | 19.716 | ng/ul | 100      |
| 50) 2,4-Dinitrophenol          | 14.53 | 184  | 83631    | 15.557 | ng/ul | 98       |
| 52) 4-Nitrophenol              | 14.62 | 109  | 118477   | 15.988 | ng/ul | 94       |
| 53) Dibenzofuran               | 14.79 | 168  | 1338362  | 19.862 | ng/ul | 99       |
| 54) 2,4-Dinitrotoluene         | 14.77 | 165  | 319589   | 20.580 | ng/ul | 97       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.02 | 232  | 294296   | 20.893 | ng/ul | 98       |
| 56) Diethylphthalate           | 15.22 | 149  | 1077493  | 19.919 | ng/ul | 100      |
| 58) Fluorene                   | 15.44 | 166  | 1093785  | 19.979 | ng/ul | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.44 | 204  | 601959   | 20.167 | ng/ul | 99       |
| 60) 4-Nitroaniline             | 15.48 | 138  | 186660   | 18.746 | ng/ul | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.53 | 198  | 157377   | 16.642 | ng/ul | 97       |
| 64) N-Nitrosodiphenylamine     | 15.66 | 169  | 926473   | 19.963 | ng/ul | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.33 | 248  | 386445   | 20.564 | ng/ul | 100      |
| 66) Hexachlorobenzene          | 16.44 | 284  | 443705   | 20.602 | ng/ul | 99       |
| 67) Atrazine                   | 16.62 | 200  | 413665   | 24.568 | ng/ul | 99       |
| 68) Pentachlorophenol          | 16.79 | 266  | 215376   | 19.944 | ng/ul | 99       |
| 69) Phenanthrene               | 17.19 | 178  | 1676273  | 19.779 | ng/ul | 99       |
| 71) Anthracene                 | 17.28 | 178  | 1696604  | 19.644 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.18 | 216  | 487116   | 20.207 | ng/ul | 99       |
| 73) Pentachlorobenzene         | 14.71 | 250  | 532033   | 21.448 | ng/ul | 98       |
| 74) Carbazole                  | 17.55 | 167  | 1357157  | 19.067 | ng/ul | 100      |
| 75) Di-n-butylphthalate        | 18.11 | 149  | 1748917  | 20.466 | ng/ul | 100      |
| 76) Fluoranthene               | 19.20 | 202  | 1710265  | 18.676 | ng/ul | 99       |
| 79) Pvrene                     | 19.57 | 202  | 1701920  | 21.341 | ng/ul | 100      |
| 80) Butylbenzylphthalate       | 20.47 | 149  | 639706   | 21.670 | ng/ul | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.26 | 252  | 476720   | 18.855 | ng/ul | 99       |
| 82) Benzo(a)anthracene         | 21.31 | 228  | 1513776  | 19.683 | ng/ul | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.24 | 149  | 953474   | 22.685 | ng/ul | 99       |
| 84) Chrysene                   | 21.37 | 228  | 1407698  | 19.544 | ng/ul | 99       |
| 86) Di-n-octyl phthalate       | 22.13 | 149  | 1451251  | 20.391 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.92 | 252  | 1484870  | 18.979 | ng/ul | 99       |
| 88) Benzo(k)fluoranthene       | 22.96 | 252  | 1514344  | 20.119 | ng/ul | 99       |
| 90) Benzo(a)pyrene             | 23.50 | 252  | 1448511  | 19.670 | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.89 | 276  | 1799762  | 20.755 | ng/ul | 98       |
| 92) Dibenzo(a,h)anthracene     | 25.90 | 278  | 1513240  | 20.744 | ng/ul | 99       |
| 93) Benzo(g,h,i)perylene       | 26.59 | 276  | 1484206  | 20.782 | ng/ul | 97       |

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

