

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103117\  
 Data File : BM012634.D  
 Acq On : 01 Nov 2017 10:35  
 Operator : SJ/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02078

Quant Time: Nov 01 11:20:03 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 26 09:35:31 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.85  | 152  | 463980   | 20.00 | ng/ul | -0.03    |
| 18) Naphthalene-d8        | 10.65 | 136  | 1974006  | 20.00 | ng/ul | -0.03    |
| 35) Acenaphthene-d10      | 14.49 | 164  | 1151829  | 20.00 | ng/ul | -0.02    |
| 61) Phenanthrene-d10      | 17.23 | 188  | 2359188  | 20.00 | ng/ul | -0.02    |
| 75) Chrysene-d12          | 21.40 | 240  | 2335961  | 20.00 | ng/ul | -0.02    |
| 83) Perylene-d12          | 23.70 | 264  | 2565447  | 20.00 | ng/ul | -0.03    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.34  | 96  | 69096   | 7.61  | ng/uL | -0.02 |
| 5) Phenol-d5                   | 7.02  | 99  | 753832  | 19.45 | ng/ul | -0.03 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.18  | 67  | 436954  | 18.99 | ng/ul | -0.03 |
| 9) 2-Chlorophenol-d4           | 7.39  | 132 | 592274  | 20.40 | ng/ul | -0.03 |
| 13) 4-Methylphenol-d8          | 8.56  | 113 | 635598  | 19.19 | ng/ul | -0.02 |
| 19) Nitrobenzene-d5            | 9.01  | 128 | 293514  | 23.74 | ng/ul | -0.02 |
| 22) 2-Nitrophenol-d4           | 9.73  | 143 | 338002  | 26.54 | ng/ul | -0.03 |
| 26) 2,4-Dichlorophenol-d3      | 10.27 | 165 | 673772  | 19.97 | ng/ul | -0.03 |
| 29) 4-Chloroaniline-d4         | 10.78 | 131 | 771045  | 21.67 | ng/ul | -0.02 |
| 43) Dimethylphthalate-d6       | 13.89 | 166 | 1804443 | 17.93 | ng/ul | -0.02 |
| 46) Acenaphthylene-d8          | 14.17 | 160 | 2293469 | 19.27 | ng/ul | -0.03 |
| 51) 4-Nitrophenol-d4           | 14.69 | 143 | 257813  | 17.24 | ng/ul | -0.02 |
| 57) Fluorene-d10               | 15.47 | 176 | 1487162 | 17.46 | ng/ul | -0.03 |
| 62) 4,6-Dinitro-2-methylphenol | 15.60 | 200 | 224563  | 19.67 | ng/ul | -0.02 |
| 70) Anthracene-d10             | 17.33 | 188 | 2135516 | 18.99 | ng/ul | -0.02 |
| 76) Pyrene-d10                 | 19.62 | 212 | 2163733 | 20.19 | ng/ul | -0.02 |
| 87) Benzo(a)pyrene-d12         | 23.55 | 264 | 2316974 | 19.01 | ng/ul | -0.03 |

## Target Compounds

|                                |       |     |         |        | Ovalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 2) 1,4-Dioxane                 | 3.38  | 88  | 74104   | 7.639  | ng/uL# | 62  |
| 4) Benzaldehyde                | 7.00  | 77  | 493442  | 23.412 | ng/ul  | 89  |
| 6) Phenol                      | 7.05  | 94  | 770441  | 19.091 | ng/ul# | 81  |
| 8) Bis(2-Chloroethyl)ether     | 7.27  | 93  | 582835  | 19.638 | ng/ul  | 97  |
| 10) 2-Chlorophenol             | 7.42  | 128 | 603851  | 20.326 | ng/ul  | 98  |
| 11) 2-Methylphenol             | 8.30  | 108 | 579314  | 19.038 | ng/ul  | 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.39  | 45  | 656647  | 20.137 | ng/ul# | 81  |
| 14) Acetophenone               | 8.67  | 105 | 967255  | 18.584 | ng/ul  | 88  |
| 15) N-Nitroso-di-n-propylamine | 8.66  | 70  | 522174  | 18.383 | ng/ul# | 64  |
| 16) 4-Methylphenol             | 8.63  | 108 | 639653  | 19.206 | ng/ul  | 100 |
| 17) Hexachloroethane           | 8.93  | 117 | 243343  | 19.329 | ng/ul  | 84  |
| 20) Nitrobenzene               | 9.05  | 77  | 732692  | 20.574 | ng/ul  | 94  |
| 21) Isophorone                 | 9.58  | 82  | 1366101 | 18.126 | ng/ul# | 93  |
| 23) 2-Nitrophenol              | 9.76  | 139 | 356286  | 25.176 | ng/ul# | 78  |
| 24) 2,4-Dimethylphenol         | 9.82  | 107 | 729858  | 18.331 | ng/ul  | 89  |
| 25) Bis(2-Chloroethoxy)methane | 10.05 | 93  | 821958  | 19.406 | ng/ul  | 95  |
| 27) 2,4-Dichlorophenol         | 10.29 | 162 | 650819  | 19.773 | ng/ul# | 91  |
| 28) Naphthalene                | 10.69 | 128 | 1900684 | 19.419 | ng/ul  | 100 |
| 30) 4-Chloroaniline            | 10.80 | 127 | 771894  | 21.546 | ng/ul  | 94  |
| 31) Hexachlorobutadiene        | 10.97 | 225 | 469406  | 18.589 | ng/ul  | 94  |
| 32) Caprolactam                | 11.58 | 113 | 184306  | 17.290 | ng/ul# | 35  |
| 33) 4-Chloro-3-methylphenol    | 11.93 | 107 | 646718  | 17.489 | ng/ul  | 95  |
| 34) 2-Methylnaphthalene        | 12.30 | 142 | 1451319 | 18.259 | ng/ul  | 98  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.67 | 216  | 844795   | 20.711 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.65 | 237  | 247133   | 9.382  | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.92 | 196  | 540519   | 22.130 | ng/ul  | 94       |
| 39) 2,4,5-Trichlorophenol      | 12.99 | 196  | 550818   | 21.276 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.32 | 154  | 1890441  | 20.572 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.36 | 162  | 1470955  | 20.406 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.56 | 65   | 398372   | 23.763 | ng/ul  | 92       |
| 44) Dimethylphthalate          | 13.94 | 163  | 1785775  | 17.941 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.06 | 165  | 366406   | 23.165 | ng/ul  | 89       |
| 47) Acenaphthylene             | 14.20 | 152  | 2212510  | 19.477 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.39 | 138  | 339702   | 22.920 | ng/ul  | 90       |
| 49) Acenaphthene               | 14.54 | 153  | 1492199  | 19.178 | ng/ul  | 100      |
| 50) 2,4-Dinitrophenol          | 14.60 | 184  | 125643   | 14.151 | ng/ul  | 93       |
| 52) 4-Nitrophenol              | 14.70 | 109  | 219575   | 14.468 | ng/ul  | 83       |
| 53) Dibenzofuran               | 14.88 | 168  | 2112893  | 18.350 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 14.85 | 165  | 499160   | 21.071 | ng/ul# | 78       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.12 | 232  | 467921   | 19.528 | ng/ul# | 99       |
| 56) Diethylphthalate           | 15.30 | 149  | 1707425  | 16.827 | ng/ul  | 96       |
| 58) Fluorene                   | 15.53 | 166  | 1711580  | 17.575 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.53 | 204  | 929955   | 17.550 | ng/ul  | 96       |
| 60) 4-Nitroaniline             | 15.55 | 138  | 345869   | 18.616 | ng/ul  | 90       |
| 63) 4,6-Dinitro-2-methylphenol | 15.62 | 198  | 244904   | 19.503 | ng/ul# | 85       |
| 64) N-Nitrosodiphenylamine     | 15.74 | 169  | 1449050  | 21.136 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.42 | 248  | 594144   | 21.023 | ng/ul  | 96       |
| 66) Hexachlorobenzene          | 16.54 | 284  | 645339   | 20.643 | ng/ul  | 97       |
| 67) Atrazine                   | 16.69 | 200  | 556474   | 18.875 | ng/ul  | 93       |
| 68) Pentachlorophenol          | 16.88 | 266  | 313117   | 18.314 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.27 | 178  | 2459922  | 19.281 | ng/ul  | 100      |
| 71) Anthracene                 | 17.36 | 178  | 2552158  | 19.355 | ng/ul  | 99       |
| 72) Carbazole                  | 17.63 | 167  | 2087377  | 19.110 | ng/ul  | 100      |
| 73) Di-n-butylphthalate        | 18.19 | 149  | 2691718  | 19.324 | ng/ul# | 97       |
| 74) Fluoranthene               | 19.28 | 202  | 2752183  | 19.038 | ng/ul# | 91       |
| 77) Pyrene                     | 19.64 | 202  | 2805291  | 21.118 | ng/ul# | 91       |
| 78) Butylbenzylphthalate       | 20.54 | 149  | 1132188  | 21.633 | ng/ul  | 90       |
| 79) 3,3'-Dichlorobenzidine     | 21.32 | 252  | 964711   | 18.818 | ng/ul  | 95       |
| 80) Benzo(a)anthracene         | 21.39 | 228  | 2741603  | 19.599 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.31 | 149  | 1669837  | 20.971 | ng/ul  | 99       |
| 82) Chrysene                   | 21.44 | 228  | 2477028  | 19.917 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.20 | 149  | 2796038  | 21.011 | ng/ul  | 99       |
| 85) Benzo(b)fluoranthene       | 23.00 | 252  | 2946251  | 18.578 | ng/ul# | 97       |
| 86) Benzo(k)fluoranthene       | 23.05 | 252  | 2815455  | 18.862 | ng/ul# | 97       |
| 88) Benzo(a)pyrene             | 23.60 | 252  | 2851862  | 18.861 | ng/ul# | 98       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.03 | 276  | 3566729  | 20.043 | ng/ul# | 95       |
| 90) Dibenzo(a,h)anthracene     | 26.04 | 278  | 3022028  | 20.031 | ng/ul# | 96       |
| 91) Benzo(g,h,i)perylene       | 26.75 | 276  | 2959804  | 20.522 | ng/ul# | 96       |

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

