

Data Path : Z:\HPCHEM1\BNA M\Data\BM111617\  
 Data File : BM012965.D  
 Acq On : 16 Nov 2017 14:57  
 Operator : SJ/JU  
 Sample : SSTD04029  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD04029

Quant Time: Nov 16 16:22:54 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Nov 16 16:08:46 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 149937   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.52 | 136  | 629033   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.37 | 164  | 360262   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.12 | 188  | 805285   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.30 | 240  | 891467   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.54 | 264  | 902936   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 47218   | 13.66 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.90  | 99  | 528478  | 37.56 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.07  | 67  | 298850  | 34.78 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.26  | 132 | 424707  | 38.46 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.43  | 113 | 431240  | 36.22 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.89  | 128 | 186004  | 37.70 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.60  | 143 | 179432  | 34.05 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.13 | 165 | 430983  | 41.78 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.65 | 131 | 501512  | 43.46 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.79 | 166 | 1241082 | 39.12 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.06 | 160 | 1604284 | 40.86 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.56 | 143 | 194541  | 35.63 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.37 | 176 | 1066113 | 40.28 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.48 | 200 | 136216  | 26.25 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.22 | 188 | 1656316 | 40.63 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.51 | 212 | 1826170 | 41.26 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.40 | 264 | 1862003 | 41.26 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue |    |
|--------------------------------|-------|-----|---------|--------|--------|----|
| 2) 1,4-Dioxane                 | 3.29  | 88  | 57191   | 14.465 | ng/uL# | 64 |
| 4) Benzaldehyde                | 6.87  | 77  | 299771  | 38.299 | ng/ul  | 92 |
| 6) Phenol                      | 6.92  | 94  | 523493  | 37.654 | ng/ul# | 81 |
| 8) Bis(2-Chloroethyl)ether     | 7.16  | 93  | 389064  | 36.422 | ng/ul  | 99 |
| 10) 2-Chlorophenol             | 7.30  | 128 | 420505  | 38.208 | ng/ul  | 98 |
| 11) 2-Methylphenol             | 8.17  | 108 | 394890  | 37.782 | ng/ul  | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.26  | 45  | 438876  | 26.633 | ng/ul# | 82 |
| 14) Acetophenone               | 8.55  | 105 | 650820  | 38.051 | ng/ul  | 88 |
| 15) N-Nitroso-di-n-propylamine | 8.55  | 70  | 327746  | 35.692 | ng/ul# | 66 |
| 16) 4-Methylphenol             | 8.50  | 108 | 412999  | 35.728 | ng/ul  | 99 |
| 17) Hexachloroethane           | 8.80  | 117 | 184144  | 42.538 | ng/ul# | 74 |
| 20) Nitrobenzene               | 8.93  | 77  | 461508  | 38.222 | ng/ul  | 92 |
| 21) Isophorone                 | 9.45  | 82  | 902613  | 39.716 | ng/ul# | 93 |
| 23) 2-Nitrophenol              | 9.63  | 139 | 199213  | 35.007 | ng/ul# | 78 |
| 24) 2,4-Dimethylphenol         | 9.70  | 107 | 483967  | 40.753 | ng/ul# | 86 |
| 25) Bis(2-Chloroethoxy)methane | 9.94  | 93  | 524307  | 37.036 | ng/ul  | 95 |
| 27) 2,4-Dichlorophenol         | 10.16 | 162 | 399109  | 41.175 | ng/ul# | 88 |
| 28) Naphthalene                | 10.57 | 128 | 1303601 | 38.933 | ng/ul  | 99 |
| 30) 4-Chloroaniline            | 10.67 | 127 | 487905  | 43.598 | ng/ul  | 95 |
| 31) Hexachlorobutadiene        | 10.85 | 225 | 290596  | 47.776 | ng/ul  | 97 |
| 32) Caprolactam                | 11.43 | 113 | 90093   | 26.317 | ng/ul# | 39 |
| 33) 4-Chloro-3-methylphenol    | 11.80 | 107 | 422969  | 38.656 | ng/ul  | 97 |
| 34) 2-Methylnaphthalene        | 12.19 | 142 | 943222  | 38.788 | ng/ul  | 95 |

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|--------------------------------|-------|------|----------|---------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.55 | 216  | 530629   | 45.040  | ng/ul  | 95       |
| 37) Hexachlorocyclopentadiene  | 12.53 | 237  | 387043   | 108.605 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.79 | 196  | 324214   | 43.404  | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.86 | 196  | 337297   | 42.247  | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.20 | 154  | 1220345  | 39.615  | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.24 | 162  | 958687   | 40.526  | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.44 | 65   | 221608   | 32.312  | ng/ul  | 89       |
| 44) Dimethylphthalate          | 13.84 | 163  | 1204951  | 39.334  | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.95 | 165  | 201423   | 34.594  | ng/ul# | 97       |
| 47) Acenaphthylene             | 14.09 | 152  | 1484707  | 39.696  | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.27 | 138  | 179382   | 32.564  | ng/ul# | 88       |
| 49) Acenaphthene               | 14.43 | 153  | 1002857  | 38.414  | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.47 | 184  | 85430    | 27.178  | ng/ul  | 94       |
| 52) 4-Nitrophenol              | 14.58 | 109  | 178008   | 42.697  | ng/ul# | 80       |
| 53) Dibenzofuran               | 14.77 | 168  | 1416580  | 39.141  | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.74 | 165  | 292849   | 33.186  | ng/ul  | 86       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.00 | 232  | 279134   | 38.999  | ng/ul  | 91       |
| 56) Diethylphthalate           | 15.22 | 149  | 1212829  | 39.013  | ng/ul  | 95       |
| 58) Fluorene                   | 15.43 | 166  | 1177728  | 39.557  | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.43 | 204  | 621186   | 41.565  | ng/ul  | 98       |
| 60) 4-Nitroaniline             | 15.44 | 138  | 225657   | 36.034  | ng/ul  | 95       |
| 63) 4,6-Dinitro-2-methylphenol | 15.50 | 198  | 155418   | 29.154  | ng/ul# | 88       |
| 64) N-Nitrosodiphenylamine     | 15.64 | 169  | 1023822  | 40.244  | ng/ul  | 96       |
| 65) 4-Bromophenyl-phenylether  | 16.32 | 248  | 395367   | 41.838  | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.42 | 284  | 419606   | 38.354  | ng/ul# | 94       |
| 67) Atrazine                   | 16.60 | 200  | 392501   | 41.488  | ng/ul  | 92       |
| 68) Pentachlorophenol          | 16.76 | 266  | 213458   | 39.208  | ng/ul  | 97       |
| 69) Phenanthrene               | 17.16 | 178  | 1848029  | 39.531  | ng/ul  | 98       |
| 71) Anthracene                 | 17.25 | 178  | 1897492  | 39.707  | ng/ul  | 99       |
| 72) Carbazole                  | 17.52 | 167  | 1633367  | 39.132  | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.11 | 149  | 2092786  | 41.708  | ng/ul  | 98       |
| 74) Fluoranthene               | 19.18 | 202  | 2224668  | 42.075  | ng/ul# | 92       |
| 77) Pyrene                     | 19.54 | 202  | 2240662  | 40.502  | ng/ul# | 90       |
| 78) Butylbenzylphthalate       | 20.46 | 149  | 943933   | 42.075  | ng/ul  | 92       |
| 79) 3,3'-Dichlorobenzidine     | 21.23 | 252  | 750392   | 41.780  | ng/ul  | 97       |
| 80) Benzo(a)anthracene         | 21.29 | 228  | 2291652  | 41.482  | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 21.25 | 149  | 1390373  | 42.679  | ng/ul# | 98       |
| 82) Chrysene                   | 21.34 | 228  | 2124827  | 41.009  | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.14 | 149  | 2388660  | 40.356  | ng/ul  | 99       |
| 85) Benzo(b)fluoranthene       | 22.87 | 252  | 2348451  | 41.405  | ng/ul# | 97       |
| 86) Benzo(k)fluoranthene       | 22.92 | 252  | 2201723  | 40.166  | ng/ul# | 98       |
| 88) Benzo(a)pyrene             | 23.45 | 252  | 2207721  | 41.352  | ng/ul# | 96       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.81 | 276  | 2610467  | 43.577  | ng/ul# | 95       |
| 90) Dibenzo(a,h)anthracene     | 25.83 | 278  | 2208003  | 43.785  | ng/ul# | 97       |
| 91) Benzo(g,h,i)perylene       | 26.49 | 276  | 2138819  | 43.740  | ng/ul# | 94       |

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

