

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\  
 Data File : BM013019.D  
 Acq On : 18 Nov 2017 02:45  
 Operator : SJ/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02037

Quant Time: Nov 18 03:18:25 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Nov 17 23:30:05 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 160734   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.50 | 136  | 651004   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.36 | 164  | 371662   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.10 | 188  | 856493   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.29 | 240  | 1019914  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.52 | 264  | 1010082  | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 28595   | 8.24  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.89  | 99  | 257711  | 18.51 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.06  | 67  | 154821  | 19.60 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 211764  | 19.03 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 213787  | 18.75 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.87  | 128 | 101913  | 21.97 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.59  | 143 | 98410   | 22.30 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 215798  | 19.26 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.63 | 131 | 247480  | 21.13 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.77 | 166 | 641473  | 19.68 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.05 | 160 | 805511  | 19.39 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.55 | 143 | 105219  | 21.28 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.35 | 176 | 542361  | 19.58 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 88822   | 23.92 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.20 | 188 | 865789  | 19.75 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.49 | 212 | 969079  | 18.60 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.38 | 264 | 1008770 | 19.69 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 2) 1,4-Dioxane                 | 3.29  | 88  | 30017  | 7.874  | ng/uL# | 67 |
| 4) Benzaldehyde                | 6.86  | 77  | 133398 | 17.779 | ng/ul  | 96 |
| 6) Phenol                      | 6.91  | 94  | 256554 | 18.670 | ng/ul# | 85 |
| 8) Bis(2-Chloroethyl)ether     | 7.15  | 93  | 204565 | 19.772 | ng/ul  | 99 |
| 10) 2-Chlorophenol             | 7.28  | 128 | 215933 | 19.606 | ng/ul  | 98 |
| 11) 2-Methylphenol             | 8.16  | 108 | 194618 | 18.658 | ng/ul  | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.25  | 45  | 218128 | 18.584 | ng/ul# | 82 |
| 14) Acetophenone               | 8.53  | 105 | 330386 | 18.902 | ng/ul  | 87 |
| 15) N-Nitroso-di-n-propylamine | 8.52  | 70  | 159015 | 17.739 | ng/ul# | 66 |
| 16) 4-Methylphenol             | 8.48  | 108 | 205893 | 18.588 | ng/ul  | 94 |
| 17) Hexachloroethane           | 8.79  | 117 | 93261  | 19.994 | ng/ul# | 76 |
| 20) Nitrobenzene               | 8.91  | 77  | 253040 | 21.828 | ng/ul  | 95 |
| 21) Isophorone                 | 9.43  | 82  | 435791 | 18.346 | ng/ul# | 93 |
| 23) 2-Nitrophenol              | 9.62  | 139 | 107149 | 22.309 | ng/ul# | 78 |
| 24) 2,4-Dimethylphenol         | 9.68  | 107 | 240825 | 19.061 | ng/ul  | 92 |
| 25) Bis(2-Chloroethoxy)methane | 9.92  | 93  | 260427 | 19.106 | ng/ul  | 94 |
| 27) 2,4-Dichlorophenol         | 10.15 | 162 | 203994 | 19.595 | ng/ul# | 92 |
| 28) Naphthalene                | 10.55 | 128 | 665394 | 19.836 | ng/ul  | 98 |
| 30) 4-Chloroaniline            | 10.66 | 127 | 235764 | 20.993 | ng/ul  | 92 |
| 31) Hexachlorobutadiene        | 10.84 | 225 | 152454 | 20.338 | ng/ul  | 94 |
| 32) Caprolactam                | 11.42 | 113 | 57516  | 17.595 | ng/ul# | 38 |
| 33) 4-Chloro-3-methylphenol    | 11.79 | 107 | 212209 | 19.138 | ng/ul  | 96 |
| 34) 2-Methylnaphthalene        | 12.16 | 142 | 485476 | 19.781 | ng/ul  | 94 |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.53 | 216  | 274314   | 20.291 | ng/ul# | 98       |
| 37) Hexachlorocyclopentadiene  | 12.52 | 237  | 196892   | 19.693 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.78 | 196  | 161917   | 19.874 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.85 | 196  | 176633   | 20.735 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.19 | 154  | 627412   | 20.036 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.23 | 162  | 497940   | 20.063 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.43 | 65   | 134709   | 25.557 | ng/ul  | 93       |
| 44) Dimethylphthalate          | 13.82 | 163  | 612894   | 19.660 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.93 | 165  | 114081   | 23.984 | ng/ul# | 97       |
| 47) Acenaphthylene             | 14.08 | 152  | 746535   | 19.509 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.26 | 138  | 108379   | 24.327 | ng/ul  | 98       |
| 49) Acenaphthene               | 14.42 | 153  | 513080   | 19.952 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.46 | 184  | 52466    | 23.040 | ng/ul  | 93       |
| 52) 4-Nitrophenol              | 14.57 | 109  | 102904   | 22.966 | ng/ul# | 77       |
| 53) Dibenzofuran               | 14.76 | 168  | 739776   | 20.083 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.72 | 165  | 171811   | 25.822 | ng/ul  | 86       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.98 | 232  | 151438   | 21.228 | ng/ul# | 88       |
| 56) Diethylphthalate           | 15.19 | 149  | 611989   | 19.417 | ng/ul  | 95       |
| 58) Fluorene                   | 15.41 | 166  | 594106   | 19.584 | ng/ul  | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.41 | 204  | 320424   | 19.993 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.42 | 138  | 125336   | 21.393 | ng/ul  | 92       |
| 63) 4,6-Dinitro-2-methylphenol | 15.48 | 198  | 89659    | 22.229 | ng/ul  | 92       |
| 64) N-Nitrosodiphenylamine     | 15.62 | 169  | 511873   | 19.036 | ng/ul  | 96       |
| 65) 4-Bromophenyl-phenylether  | 16.30 | 248  | 198810   | 19.164 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.40 | 284  | 216774   | 19.362 | ng/ul# | 92       |
| 67) Atrazine                   | 16.57 | 200  | 196608   | 19.088 | ng/ul  | 96       |
| 68) Pentachlorophenol          | 16.75 | 266  | 115766   | 20.049 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.14 | 178  | 967199   | 20.077 | ng/ul  | 99       |
| 71) Anthracene                 | 17.23 | 178  | 990983   | 19.825 | ng/ul  | 99       |
| 72) Carbazole                  | 17.50 | 167  | 849820   | 19.660 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.09 | 149  | 1013023  | 18.398 | ng/ul# | 98       |
| 74) Fluoranthene               | 19.16 | 202  | 1159792  | 19.918 | ng/ul# | 92       |
| 77) Pyrene                     | 19.52 | 202  | 1193338  | 18.791 | ng/ul# | 92       |
| 78) Butylbenzylphthalate       | 20.44 | 149  | 469349   | 17.787 | ng/ul  | 92       |
| 79) 3,3'-Dichlorobenzidine     | 21.21 | 252  | 411196   | 19.616 | ng/ul# | 94       |
| 80) Benzo(a)anthracene         | 21.27 | 228  | 1245039  | 19.074 | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 21.22 | 149  | 706466   | 18.165 | ng/ul# | 96       |
| 82) Chrysene                   | 21.32 | 228  | 1172737  | 19.375 | ng/ul  | 98       |
| 84) Di-n-octyl phthalate       | 22.10 | 149  | 1190057  | 17.879 | ng/ul  | 99       |
| 85) Benzo(b)fluoranthene       | 22.85 | 252  | 1302058  | 19.947 | ng/ul# | 97       |
| 86) Benzo(k)fluoranthene       | 22.89 | 252  | 1196316  | 19.907 | ng/ul# | 98       |
| 88) Benzo(a)pyrene             | 23.42 | 252  | 1210437  | 19.912 | ng/ul# | 98       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.77 | 276  | 1442095  | 20.309 | ng/ul# | 94       |
| 90) Dibenzo(a,h)anthracene     | 25.78 | 278  | 1194108  | 19.851 | ng/ul# | 96       |
| 91) Benzo(g,h,i)perylene       | 26.44 | 276  | 1175172  | 19.918 | ng/ul# | 94       |

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

