

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092917\  
 Data File : BM011758.D  
 Acq On : 29 Sep 2017 09:00  
 Operator : SJ/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02049

Quant Time: Sep 29 23:32:51 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 28 05:09:12 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.93  | 152  | 233035   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.74 | 136  | 1042004  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.57 | 164  | 572309   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.32 | 188  | 1258614  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.48 | 240  | 1138602  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.84 | 264  | 901259   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.36  | 96  | 40471   | 7.74  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.09  | 99  | 430325  | 18.78 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.26  | 67  | 317813  | 19.12 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.46  | 132 | 343411  | 20.14 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.63  | 113 | 341316  | 19.01 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.10  | 128 | 163586  | 20.13 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.82  | 143 | 179915  | 20.75 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.36 | 165 | 331601  | 20.04 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.87 | 131 | 415388  | 22.71 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.97 | 166 | 956058  | 19.48 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.27 | 160 | 1205087 | 20.30 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.76 | 143 | 154775  | 18.45 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.56 | 176 | 823466  | 19.48 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.68 | 200 | 147063  | 17.25 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.41 | 188 | 1240146 | 19.36 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.70 | 212 | 1353137 | 24.90 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.69 | 264 | 856654  | 19.85 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 2) 1,4-Dioxane                 | 3.39  | 88  | 42278   | 7.268  | ng/uL  | 91  |
| 4) Benzaldehyde                | 7.07  | 77  | 268715  | 23.907 | ng/ul  | 98  |
| 6) Phenol                      | 7.12  | 94  | 435441  | 18.785 | ng/ul  | 91  |
| 8) Bis(2-Chloroethyl)ether     | 7.35  | 93  | 342767  | 19.233 | ng/ul# | 77  |
| 10) 2-Chlorophenol             | 7.50  | 128 | 338262  | 20.330 | ng/ul# | 85  |
| 11) 2-Methylphenol             | 8.37  | 108 | 322652  | 18.954 | ng/ul  | 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.47  | 45  | 776992  | 20.355 | ng/ul# | 97  |
| 14) Acetophenone               | 8.76  | 105 | 555092  | 19.242 | ng/ul# | 89  |
| 15) N-Nitroso-di-n-propylamine | 8.74  | 70  | 317486  | 19.498 | ng/ul  | 96  |
| 16) 4-Methylphenol             | 8.70  | 108 | 351566  | 18.788 | ng/ul  | 93  |
| 17) Hexachloroethane           | 9.02  | 117 | 152844  | 20.832 | ng/ul# | 67  |
| 20) Nitrobenzene               | 9.14  | 77  | 449176  | 20.079 | ng/ul  | 98  |
| 21) Isophorone                 | 9.66  | 82  | 824555  | 19.649 | ng/ul# | 96  |
| 23) 2-Nitrophenol              | 9.85  | 139 | 182787  | 20.251 | ng/ul# | 86  |
| 24) 2,4-Dimethylphenol         | 9.90  | 107 | 405408  | 19.730 | ng/ul  | 95  |
| 25) Bis(2-Chloroethoxy)methane | 10.15 | 93  | 471571  | 19.408 | ng/ul  | 96  |
| 27) 2,4-Dichlorophenol         | 10.39 | 162 | 321491  | 20.431 | ng/ul# | 88  |
| 28) Naphthalene                | 10.79 | 128 | 1058385 | 19.433 | ng/ul  | 100 |
| 30) 4-Chloroaniline            | 10.90 | 127 | 400436  | 22.635 | ng/ul  | 94  |
| 31) Hexachlorobutadiene        | 11.07 | 225 | 227092  | 20.500 | ng/ul  | 94  |
| 32) Caprolactam                | 11.67 | 113 | 91572   | 17.961 | ng/ul  | 86  |
| 33) 4-Chloro-3-methylphenol    | 12.02 | 107 | 348012  | 19.535 | ng/ul  | 99  |
| 34) 2-Methylnaphthalene        | 12.40 | 142 | 744271  | 19.278 | ng/ul  | 98  |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02049

Quant Time: Sep 29 23:32:51 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 28 05:09:12 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.76 | 216  | 402550   | 20.807 | ng/ul# | 96       |
| 37) Hexachlorocyclopentadiene  | 12.74 | 237  | 201188   | 16.180 | ng/ul  | 96       |
| 38) 2,4,6-Trichlorophenol      | 13.00 | 196  | 264834   | 21.316 | ng/ul  | 95       |
| 39) 2,4,5-Trichlorophenol      | 13.07 | 196  | 269266   | 20.935 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.40 | 154  | 930371   | 19.738 | ng/ul# | 98       |
| 41) 2-Chloronaphthalene        | 13.45 | 162  | 728575   | 20.171 | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 13.66 | 65   | 280109   | 21.089 | ng/ul  | 85       |
| 44) Dimethylphthalate          | 14.02 | 163  | 909588   | 19.375 | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 14.15 | 165  | 177542   | 20.536 | ng/ul# | 85       |
| 47) Acenaphthylene             | 14.30 | 152  | 1177897  | 19.781 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.47 | 138  | 172044   | 19.459 | ng/ul  | 97       |
| 49) Acenaphthene               | 14.64 | 153  | 782941   | 19.306 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.69 | 184  | 91478    | 16.119 | ng/ul# | 74       |
| 52) 4-Nitrophenol              | 14.77 | 109  | 160768   | 19.591 | ng/ul  | 97       |
| 53) Dibenzofuran               | 14.97 | 168  | 1085266  | 19.485 | ng/ul  | 94       |
| 54) 2,4-Dinitrotoluene         | 14.93 | 165  | 250018   | 20.267 | ng/ul# | 78       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.19 | 232  | 236770   | 19.957 | ng/ul# | 80       |
| 56) Diethylphthalate           | 15.38 | 149  | 947198   | 19.187 | ng/ul  | 94       |
| 58) Fluorene                   | 15.62 | 166  | 902757   | 19.141 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.60 | 204  | 469264   | 19.787 | ng/ul  | 94       |
| 60) 4-Nitroaniline             | 15.64 | 138  | 185980   | 19.170 | ng/ul  | 89       |
| 63) 4,6-Dinitro-2-methylphenol | 15.70 | 198  | 150486   | 17.383 | ng/ul  | 97       |
| 64) N-Nitrosodiphenylamine     | 15.82 | 169  | 731734   | 19.668 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.50 | 248  | 278143   | 20.092 | ng/ul  | 94       |
| 66) Hexachlorobenzene          | 16.62 | 284  | 309025   | 20.090 | ng/ul# | 89       |
| 67) Atrazine                   | 16.76 | 200  | 275737   | 19.116 | ng/ul  | 95       |
| 68) Pentachlorophenol          | 16.96 | 266  | 182707   | 18.043 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.36 | 178  | 1344261  | 19.083 | ng/ul  | 98       |
| 71) Anthracene                 | 17.44 | 178  | 1418105  | 19.539 | ng/ul  | 98       |
| 72) Carbazole                  | 17.72 | 167  | 1175711  | 18.491 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.26 | 149  | 1610563  | 19.668 | ng/ul  | 98       |
| 74) Fluoranthene               | 19.36 | 202  | 1562352  | 18.166 | ng/ul# | 90       |
| 77) Pyrene                     | 19.73 | 202  | 1648132  | 24.290 | ng/ul# | 89       |
| 78) Butylbenzylphthalate       | 20.61 | 149  | 724120   | 25.533 | ng/ul# | 97       |
| 79) 3,3'-Dichlorobenzidine     | 21.40 | 252  | 403585   | 18.641 | ng/ul# | 97       |
| 80) Benzo(a)anthracene         | 21.46 | 228  | 1344988  | 21.114 | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 21.37 | 149  | 1071978  | 25.323 | ng/ul# | 94       |
| 82) Chrysene                   | 21.52 | 228  | 1233184  | 20.526 | ng/ul  | 98       |
| 84) Di-n-octyl phthalate       | 22.28 | 149  | 1766175  | 25.356 | ng/ul# | 81       |
| 85) Benzo(b)fluoranthene       | 23.13 | 252  | 1105739  | 20.794 | ng/ul# | 98       |
| 86) Benzo(k)fluoranthene       | 23.17 | 252  | 1033199  | 19.046 | ng/ul# | 97       |
| 88) Benzo(a)pyrene             | 23.74 | 252  | 1008917  | 19.644 | ng/ul# | 96       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.26 | 276  | 1105310  | 20.670 | ng/ul# | 92       |
| 90) Dibenzo(a,h)anthracene     | 26.27 | 278  | 933850   | 20.852 | ng/ul# | 95       |
| 91) Benzo(g,h,i)perylene       | 27.01 | 276  | 923324   | 20.802 | ng/ul# | 93       |

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

