

Data Path : Z:\HPCHEM1\BNA M\Data\BM050516\  
 Data File : BM005263.D  
 Acq On : 06 May 2016 10:24  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02048

Quant Time: May 06 11:06:00 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM050516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 05 16:29:44 2016  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.775  | 152  | 82195    | 20.00 | ng/ul  | 0.00     |
| 18) Naphthalene-d8            | 10.563 | 136  | 400379   | 20.00 | ng/ul  | 0.00     |
| 35) Acenaphthene-d10          | 14.415 | 164  | 263094   | 20.00 | ng/ul  | 0.00     |
| 61) Phenanthrene-d10          | 17.162 | 188  | 629814   | 20.00 | ng/ul  | 0.00     |
| 75) Chrysene-d12              | 21.362 | 240  | 701484   | 20.00 | ng/ul  | 0.00     |
| 83) Perylene-d12              | 23.633 | 264  | 678703   | 20.00 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8             | 3.269  | 96   | 13189    | 7.54  | ng/uL  | 0.00     |
| 5) Phenol-d5                  | 6.945  | 99   | 150609   | 20.20 | ng/ul  | 0.00     |
| 7) Bis-(2-Chloroethyl)eth...  | 7.104  | 67   | 85106    | 20.01 | ng/ul  | 0.00     |
| 9) 2-Chlorophenol-d4          | 7.304  | 132  | 115490   | 20.51 | ng/ul  | 0.00     |
| 13) 4-Methylphenol-d8         | 8.481  | 113  | 125890   | 20.43 | ng/ul  | 0.00     |
| 19) Nitrobenzene-d5           | 8.928  | 128  | 59679    | 20.88 | ng/ul  | 0.00     |
| 22) 2-Nitrophenol-d4          | 9.651  | 143  | 67613    | 20.89 | ng/ul  | 0.00     |
| 26) 2,4-Dichlorophenol-d3     | 10.186 | 165  | 126044   | 20.95 | ng/ul  | 0.00     |
| 29) 4-Chloroaniline-d4        | 10.698 | 131  | 174832   | 24.15 | ng/ul  | 0.00     |
| 43) Dimethylphthalate-d6      | 13.821 | 166  | 421367   | 19.98 | ng/ul  | 0.00     |
| 46) Acenaphthylene-d8         | 14.104 | 160  | 508930   | 20.58 | ng/ul  | 0.00     |
| 51) 4-Nitrophenol-d4          | 14.627 | 143  | 76023    | 19.75 | ng/ul  | 0.00     |
| 57) Fluorene-d10              | 15.410 | 176  | 369734   | 20.30 | ng/ul  | 0.00     |
| 62) 4,6-Dinitro-2-methylph... | 15.539 | 200  | 75153    | 21.21 | ng/ul  | 0.00     |
| 70) Anthracene-d10            | 17.262 | 188  | 588951   | 21.15 | ng/ul  | 0.00     |
| 76) Pyrene-d10                | 19.562 | 212  | 675824   | 20.87 | ng/ul  | 0.00     |
| 87) Benzo(a)pyrene-d12        | 23.491 | 264  | 627683   | 20.89 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       | Ovalue |          |
| 2) 1,4-Dioxane                | 3.304  | 88   | 24306    | 7.63  | ng/uL# | 95       |
| 4) Benzaldehyde               | 6.922  | 77   | 93654    | 25.93 | ng/ul  | 97       |
| 6) Phenol                     | 6.969  | 94   | 158749   | 20.60 | ng/ul  | 99       |
| 8) Bis(2-Chloroethyl)ether    | 7.198  | 93   | 117259   | 20.21 | ng/ul  | 98       |
| 10) 2-Chlorophenol            | 7.339  | 128  | 117172   | 20.34 | ng/ul  | 98       |
| 11) 2-Methylphenol            | 8.216  | 108  | 123079   | 20.67 | ng/ul  | 96       |
| 12) 2,2'-oxybis(1-Chloropr... | 8.304  | 45   | 158924   | 20.20 | ng/ul  | 99       |
| 14) Acetophenone              | 8.592  | 105  | 197351   | 21.62 | ng/ul  | 99       |
| 15) N-Nitroso-di-n-propyla... | 8.575  | 70   | 100497   | 21.07 | ng/ul  | 99       |
| 16) 4-Methylphenol            | 8.539  | 108  | 137255   | 20.77 | ng/ul  | 100      |
| 17) Hexachloroethane          | 8.845  | 117  | 45030    | 20.78 | ng/ul  | 97       |
| 20) Nitrobenzene              | 8.969  | 77   | 143626   | 20.07 | ng/ul  | 97       |
| 21) Isophorone                | 9.492  | 82   | 286791   | 20.64 | ng/ul  | 99       |
| 23) 2-Nitrophenol             | 9.680  | 139  | 72991    | 20.93 | ng/ul  | 99       |
| 24) 2,4-Dimethylphenol        | 9.739  | 107  | 153774   | 20.79 | ng/ul  | 99       |
| 25) Bis(2-Chloroethoxy)met... | 9.975  | 93   | 171242   | 19.79 | ng/ul  | 99       |
| 27) 2,4-Dichlorophenol        | 10.210 | 162  | 128018   | 20.78 | ng/ul  | 97       |
| 28) Naphthalene               | 10.610 | 128  | 411820   | 20.44 | ng/ul  | 99       |
| 30) 4-Chloroaniline           | 10.722 | 127  | 176892   | 23.96 | ng/ul  | 98       |
| 31) Hexachlorobutadiene       | 10.892 | 225  | 77074    | 21.05 | ng/ul  | 98       |
| 32) Caprolactam               | 11.486 | 113  | 28437    | 12.39 | ng/ul  | 95       |
| 33) 4-Chloro-3-methylphenol   | 11.851 | 107  | 155867   | 21.10 | ng/ul  | 99       |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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 ClientSampleID :  
 SSTD02048

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|-------------------------------|--------|------|----------|-------|--------|----------|
| 34) 2-Methylnaphthalene       | 12.222 | 142  | 312655   | 20.75 | ng/ul  | 98       |
| 36) 1,2,4,5-Tetrachloroben... | 12.598 | 216  | 162392   | 20.29 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene | 12.574 | 237  | 74391    | 18.19 | ng/ul  | 96       |
| 38) 2,4,6-Trichlorophenol     | 12.839 | 196  | 108086   | 20.28 | ng/ul  | 94       |
| 39) 2,4,5-Trichlorophenol     | 12.916 | 196  | 121006   | 20.46 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl             | 13.245 | 154  | 418819   | 20.09 | ng/ul  | 100      |
| 41) 2-Chloronaphthalene       | 13.286 | 162  | 319099   | 20.25 | ng/ul  | 99       |
| 42) 2-Nitroaniline            | 13.498 | 65   | 101033   | 20.82 | ng/ul  | 97       |
| 44) Dimethylphthalate         | 13.868 | 163  | 421883   | 20.02 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene        | 13.998 | 165  | 88247    | 21.24 | ng/ul# | 88       |
| 47) Acenaphthylene            | 14.133 | 152  | 540788   | 20.66 | ng/ul  | 99       |
| 48) 3-Nitroaniline            | 14.327 | 138  | 97635    | 22.04 | ng/ul  | 99       |
| 49) Acenaphthene              | 14.480 | 153  | 352152   | 20.42 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol         | 14.539 | 184  | 42762    | 17.89 | ng/ul  | 94       |
| 52) 4-Nitrophenol             | 14.639 | 109  | 64643    | 20.20 | ng/ul  | 96       |
| 53) Dibenzofuran              | 14.815 | 168  | 513353   | 20.52 | ng/ul  | 100      |
| 54) 2,4-Dinitrotoluene        | 14.786 | 165  | 132780   | 21.43 | ng/ul  | 96       |
| 55) 2,3,4,6-Tetrachlorophenol | 15.045 | 232  | 107097   | 21.30 | ng/ul# | 97       |
| 56) Diethylphthalate          | 15.239 | 149  | 433016   | 20.34 | ng/ul  | 98       |
| 58) Fluorene                  | 15.462 | 166  | 409219   | 20.92 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenyle... | 15.457 | 204  | 202613   | 20.90 | ng/ul  | 100      |
| 60) 4-Nitroaniline            | 15.492 | 138  | 103903   | 22.13 | ng/ul  | 98       |
| 63) 4,6-Dinitro-2-methylph... | 15.551 | 198  | 78353    | 21.05 | ng/ul# | 94       |
| 64) N-Nitrosodiphenylamine    | 15.674 | 169  | 368695   | 21.38 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether | 16.351 | 248  | 127670   | 21.14 | ng/ul  | 98       |
| 66) Hexachlorobenzene         | 16.468 | 284  | 142681   | 21.07 | ng/ul  | 99       |
| 67) Atrazine                  | 16.627 | 200  | 139541   | 22.17 | ng/ul  | 99       |
| 68) Pentachlorophenol         | 16.815 | 266  | 78490    | 20.86 | ng/ul  | 98       |
| 69) Phenanthrene              | 17.204 | 178  | 690804   | 20.86 | ng/ul  | 100      |
| 71) Anthracene                | 17.298 | 178  | 699817   | 21.20 | ng/ul  | 100      |
| 72) Carbazole                 | 17.568 | 167  | 644134   | 22.17 | ng/ul  | 99       |
| 73) Di-n-butylphthalate       | 18.127 | 149  | 755744   | 21.33 | ng/ul  | 100      |
| 74) Fluoranthene              | 19.227 | 202  | 829172   | 22.60 | ng/ul  | 98       |
| 77) Pyrene                    | 19.592 | 202  | 855813   | 21.03 | ng/ul  | 99       |
| 78) Butylbenzylphthalate      | 20.486 | 149  | 366595   | 21.70 | ng/ul  | 100      |
| 79) 3,3'-Dichlorobenzidine    | 21.280 | 252  | 282588   | 22.41 | ng/ul  | 99       |
| 80) Benzo(a)anthracene        | 21.344 | 228  | 831221   | 20.60 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phtha... | 21.262 | 149  | 520467   | 22.18 | ng/ul  | 99       |
| 82) Chrysene                  | 21.397 | 228  | 799667   | 20.89 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate      | 22.150 | 149  | 933622   | 23.55 | ng/ul  | 99       |
| 85) Benzo(b)fluoranthene      | 22.950 | 252  | 816797   | 20.59 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene      | 22.991 | 252  | 812727   | 21.76 | ng/ul  | 99       |
| 88) Benzo(a)pyrene            | 23.533 | 252  | 784356   | 20.90 | ng/ul  | 100      |
| 89) Indeno(1,2,3-cd)pyrene    | 25.932 | 276  | 781236   | 19.08 | ng/ul  | 97       |
| 90) Dibenzo(a,h)anthracene    | 25.938 | 278  | 675277   | 19.71 | ng/ul  | 99       |
| 91) Benzo(g,h,i)perylene      | 26.632 | 276  | 630885   | 18.19 | ng/ul  | 98       |

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

