

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112522\  
 Data File : BM037719.D  
 Acq On : 26 Nov 2022 06:19  
 Operator : CG/JU  
 Sample : PB149030BS  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS030

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 11/26/2022  
 Supervised By :mohammad ahmed 11/28/2022

Quant Time: Nov 26 08:12:46 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM112322.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Nov 24 01:27:15 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.110  | 152  | 185121   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.933 | 136  | 946062   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.739 | 164  | 607798   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.474 | 188  | 1265783  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.639 | 240  | 1190171  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.127 | 264  | 1081729  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.434  | 96   | 31541    | 7.066  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.869  | 84   | 492716   | 33.911 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.257  | 99   | 687814   | 37.242 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.434  | 67   | 467515   | 37.948 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.640  | 132  | 494864   | 38.561 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.822  | 113  | 551665   | 37.537 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.281  | 128  | 269422   | 36.327 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.010 | 143  | 262391   | 35.904 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.551 | 165  | 477073   | 35.672 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.069 | 131  | 741737   | 33.423 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.145 | 166  | 1606343  | 37.312 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.433 | 160  | 1902263  | 37.435 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.921 | 143  | 357299   | 37.678 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.727 | 176  | 1419179  | 37.639 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.839 | 200  | 235809   | 34.631 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.574 | 188  | 2260339  | 38.186 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.851 | 212  | 2497808  | 41.299 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.968 | 264  | 2203408  | 39.573 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.469  | 88   | 64958    | 13.237 | ng/uL# | 90       |
| 5) Pyridine                   | 3.893  | 79   | 508927   | 34.446 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.240  | 77   | 412483   | 42.553 | ng/u1  | 97       |
| 8) Phenol                     | 7.287  | 94   | 690499   | 35.668 | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.528  | 93   | 549719   | 35.026 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.669  | 128  | 508976   | 36.306 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.551  | 108  | 519270   | 35.161 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.645  | 45   | 998848   | 35.235 | ng/u1  | 100      |
| 16) Acetophenone              | 8.945  | 105  | 844995   | 34.927 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.928  | 70   | 507273   | 35.774 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.887  | 108  | 578921   | 35.481 | ng/u1  | 97       |
| 19) Hexachloroethane          | 9.204  | 117  | 217858   | 35.930 | ng/u1  | 90       |
| 22) Nitrobenzene              | 9.328  | 77   | 732375   | 36.215 | ng/u1  | 98       |
| 23) Isophorone                | 9.857  | 82   | 1387468  | 34.042 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 10.039 | 139  | 284927   | 34.471 | ng/u1  | 91       |
| 26) 2,4-Dimethylphenol        | 10.092 | 107  | 641541   | 35.342 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.339 | 93   | 798229   | 34.140 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.575 | 162  | 461307   | 33.717 | ng/u1  | 99       |
| 30) Naphthalene               | 10.986 | 128  | 1765049  | 34.121 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 11.092 | 127  | 734343   | 31.753 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 11.269 | 225  | 230550   | 32.100 | ng/u1  | 99       |
| 34) Caprolactam               | 11.875 | 113  | 193605m  | 33.977 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.204 | 107  | 637986   | 36.478 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.580 | 142  | 1213174  | 33.761 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.798 | 142  | 1230751  | 34.045 | ng/u1  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.945 | 216  | 467051   | 31.295 | ng/u1# | 93       |
| 40) Hexachlorocyclopentadiene | 12.922 | 237  | 280421   | 30.173 | ng/u1  | 100      |
| 41) 2,4,6-Trichlorophenol     | 13.180 | 196  | 351974   | 32.752 | ng/u1  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.251 | 196  | 386613   | 33.623 | ng/u1  | 97       |
| 43) 1,1'-Biphenyl             | 13.580 | 154  | 1594058  | 34.537 | ng/u1  | 99       |
| 44) 2-Chloronaphthalene       | 13.621 | 162  | 1219669  | 33.999 | ng/u1  | 96       |
| 45) 2-Nitroaniline            | 13.822 | 65   | 531781   | 39.099 | ng/u1  | 100      |
| 47) Dimethylphthalate         | 14.192 | 163  | 1602212  | 35.012 | ng/u1  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.316 | 165  | 322563   | 36.503 | ng/u1  | 91       |
| 50) Acenaphthylene            | 14.463 | 152  | 2043181  | 35.571 | ng/u1  | 100      |
| 51) 3-Nitroaniline            | 14.639 | 138  | 394713   | 36.811 | ng/u1  | 99       |
| 52) Acenaphthene              | 14.804 | 153  | 1469206  | 35.765 | ng/u1  | 99       |
| 53) 2,4-Dinitrophenol         | 14.839 | 184  | 160778   | 31.011 | ng/u1  | 88       |
| 55) 4-Nitrophenol             | 14.939 | 109  | 336643   | 39.614 | ng/u1  | 89       |
| 56) Dibenzofuran              | 15.133 | 168  | 1877815  | 35.023 | ng/u1  | 94       |
| 57) 2,4-Dinitrotoluene        | 15.092 | 165  | 494331   | 38.124 | ng/u1  | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.357 | 232  | 328821   | 34.854 | ng/u1  | 96       |
| 59) Diethylphthalate          | 15.545 | 149  | 1834783  | 37.148 | ng/u1  | 98       |
| 61) Fluorene                  | 15.780 | 166  | 1658026  | 35.699 | ng/u1  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.768 | 204  | 702805   | 34.688 | ng/u1  | 92       |
| 63) 4-Nitroaniline            | 15.798 | 138  | 426004   | 41.802 | ng/u1  | 88       |
| 66) 4,6-Dinitro-2-methylph... | 15.851 | 198  | 238440   | 32.994 | ng/u1  | 90       |
| 67) N-Nitrosodiphenylamine    | 15.980 | 169  | 1422525  | 36.169 | ng/u1  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.662 | 248  | 380675   | 37.390 | ng/u1  | 96       |
| 69) Hexachlorobenzene         | 16.780 | 284  | 451721   | 34.546 | ng/u1  | 96       |
| 70) Atrazine                  | 16.927 | 200  | 460168   | 34.471 | ng/u1  | 98       |
| 71) Pentachlorophenol         | 17.121 | 266  | 284613   | 32.874 | ng/u1  | 97       |
| 72) Phenanthrene              | 17.515 | 178  | 2669165  | 35.998 | ng/u1  | 99       |
| 74) Anthracene                | 17.609 | 178  | 2720883  | 36.145 | ng/u1  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.545 | 216  | 478981   | 31.632 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 15.051 | 250  | 479529   | 29.775 | ng/uL  | 97       |
| 77) Carbazole                 | 17.874 | 167  | 2606236  | 36.416 | ng/u1  | 98       |
| 78) Di-n-butylphthalate       | 18.427 | 149  | 3395759  | 32.778 | ng/u1  | 99       |
| 80) Fluoranthene              | 19.521 | 202  | 3015748  | 39.033 | ng/u1  | 99       |
| 82) Pyrene                    | 19.880 | 202  | 3188593  | 39.074 | ng/u1  | 100      |
| 83) Butylbenzylphthalate      | 20.762 | 149  | 1568867  | 41.270 | ng/u1  | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.550 | 252  | 873270   | 36.534 | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.621 | 228  | 2930167  | 36.801 | ng/u1  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.533 | 149  | 2263268  | 39.406 | ng/u1  | 99       |
| 87) Chrysene                  | 21.674 | 228  | 2723734  | 36.352 | ng/u1  | 99       |
| 89) Di-n-octyl phthalate      | 22.486 | 149  | 3858249  | 41.754 | ng/u1  | 100      |
| 90) Benzo(b)fluoranthene      | 23.362 | 252  | 2795141  | 38.010 | ng/u1  | 100      |
| 91) Benzo(k)fluoranthene      | 23.415 | 252  | 2629744  | 36.670 | ng/u1  | 100      |
| 93) Benzo(a)pyrene            | 24.021 | 252  | 2354104  | 36.832 | ng/u1  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.744 | 276  | 2573363  | 35.096 | ng/u1  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.756 | 278  | 2258142  | 34.301 | ng/u1  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.550 | 276  | 2213193  | 34.662 | ng/u1  | 99       |

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

