

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091223\  
 Data File : BP017122.D  
 Acq On : 12 Sep 2023 18:24  
 Operator : MA/JU  
 Sample : PB155208BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS208

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/13/2023  
 Supervised By :mohammad ahmed 09/13/2023

Quant Time: Sep 13 00:58:08 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP091223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 12 23:27:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.957  | 152  | 223413   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.781 | 136  | 1006580  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.616 | 164  | 662419   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.386 | 188  | 1529591  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.486 | 240  | 1546123  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.015 | 264  | 1628478  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.311  | 96   | 30354    | 5.710  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.746  | 84   | 420538   | 27.651 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.105  | 99   | 570619   | 31.411 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.299  | 67   | 339355   | 29.887 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.475  | 132  | 440797   | 30.416 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.669  | 113  | 437933   | 29.088 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.157  | 128  | 213260   | 30.257 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.869  | 143  | 233016   | 30.967 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.393 | 165  | 449400   | 30.882 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.946 | 131  | 594706   | 27.113 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.034 | 166  | 1409711  | 29.905 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.316 | 160  | 1561366  | 29.191 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.834 | 143  | 268584   | 29.480 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.610 | 176  | 1215489  | 29.821 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.745 | 200  | 251837   | 29.469 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.486 | 188  | 1872588  | 28.814 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.722 | 212  | 2410294  | 29.725 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.845 | 264  | 2400542  | 31.232 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.346  | 88   | 65356    | 11.432 | ng/uL  | 95       |
| 5) Pyridine                   | 3.769  | 79   | 428524   | 27.202 | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.116  | 77   | 321991   | 31.836 | ng/u1  | 98       |
| 8) Phenol                     | 7.134  | 94   | 594112   | 31.009 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.393  | 93   | 467863   | 30.616 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.510  | 128  | 463347   | 31.498 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.399  | 108  | 431292   | 30.195 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.469  | 45   | 591676m  | 28.570 | ng/u1  |          |
| 16) Acetophenone              | 8.804  | 105  | 728112   | 30.898 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.781  | 70   | 372064   | 30.725 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.734  | 108  | 478408   | 30.274 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.022  | 117  | 186132   | 30.766 | ng/u1  | 96       |
| 22) Nitrobenzene              | 9.199  | 77   | 553705   | 30.166 | ng/u1  | 97       |
| 23) Isophorone                | 9.710  | 82   | 1025967  | 29.827 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.904  | 139  | 262500   | 31.387 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.940  | 107  | 383545   | 22.503 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.199 | 93   | 642642   | 29.809 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.422 | 162  | 456034   | 30.959 | ng/u1  | 99       |
| 30) Naphthalene               | 10.834 | 128  | 1520104  | 29.844 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.969 | 127  | 552978   | 25.835 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.063 | 225  | 302239   | 30.217 | ng/u1  | 99       |
| 34) Caprolactam               | 11.798 | 113  | 156425m  | 33.783 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.069 | 107  | 500026   | 31.373 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.440 | 142  | 1034105  | 30.088 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.657 | 142  | 1004998  | 28.887 | ng/u1 | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.787 | 216  | 576894   | 29.240 | ng/u1 | 98       |
| 40) Hexachlorocyclopentadiene | 12.734 | 237  | 236849   | 19.268 | ng/u1 | 100      |
| 41) 2,4,6-Trichlorophenol     | 13.040 | 196  | 360096   | 28.731 | ng/u1 | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.110 | 196  | 407969   | 30.617 | ng/u1 | 99       |
| 43) 1,1'-Biphenyl             | 13.451 | 154  | 1406397  | 29.608 | ng/u1 | 99       |
| 44) 2-Chloronaphthalene       | 13.498 | 162  | 1120785  | 29.712 | ng/u1 | 99       |
| 45) 2-Nitroaniline            | 13.734 | 65   | 322844   | 31.597 | ng/u1 | 95       |
| 47) Dimethylphthalate         | 14.081 | 163  | 1464769  | 30.610 | ng/u1 | 100      |
| 48) 2,6-Dinitrotoluene        | 14.222 | 165  | 288441   | 32.970 | ng/u1 | 99       |
| 50) Acenaphthylene            | 14.345 | 152  | 1749150  | 28.307 | ng/u1 | 100      |
| 51) 3-Nitroaniline            | 14.563 | 138  | 304525   | 32.538 | ng/u1 | 98       |
| 52) Acenaphthene              | 14.681 | 153  | 1207613  | 29.533 | ng/u1 | 100      |
| 53) 2,4-Dinitrophenol         | 14.763 | 184  | 169115   | 27.598 | ng/u1 | 95       |
| 55) 4-Nitrophenol             | 14.851 | 109  | 222593   | 30.526 | ng/u1 | 96       |
| 56) Dibenzofuran              | 15.016 | 168  | 1719329  | 30.427 | ng/u1 | 100      |
| 57) 2,4-Dinitrotoluene        | 15.004 | 165  | 430838   | 33.073 | ng/u1 | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.234 | 232  | 330209   | 28.248 | ng/u1 | 97       |
| 59) Diethylphthalate          | 15.434 | 149  | 1473015  | 31.178 | ng/u1 | 100      |
| 61) Fluorene                  | 15.669 | 166  | 1417166  | 30.335 | ng/u1 | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.663 | 204  | 719217   | 30.280 | ng/u1 | 99       |
| 63) 4-Nitroaniline            | 15.734 | 138  | 315353   | 36.244 | ng/u1 | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.757 | 198  | 271371   | 29.589 | ng/u1 | 97       |
| 67) N-Nitrosodiphenylamine    | 15.886 | 169  | 1201147  | 30.201 | ng/u1 | 99       |
| 68) 4-Bromophenyl-phenylether | 16.563 | 248  | 446437   | 30.619 | ng/u1 | 97       |
| 69) Hexachlorobenzene         | 16.645 | 284  | 515399   | 29.865 | ng/u1 | 99       |
| 70) Atrazine                  | 16.839 | 200  | 155887   | 10.828 | ng/u1 | 99       |
| 71) Pentachlorophenol         | 17.010 | 266  | 270626   | 24.129 | ng/u1 | 100      |
| 72) Phenanthrene              | 17.428 | 178  | 2361495  | 30.722 | ng/u1 | 99       |
| 74) Anthracene                | 17.522 | 178  | 2263820  | 29.078 | ng/u1 | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.398 | 216  | 57725    | 2.729  | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.910 | 250  | 600435   | 31.289 | ng/uL | 99       |
| 77) Carbazole                 | 17.810 | 167  | 2162224  | 31.629 | ng/u1 | 100      |
| 78) Di-n-butylphthalate       | 18.316 | 149  | 2543002  | 32.645 | ng/u1 | 99       |
| 80) Fluoranthene              | 19.398 | 202  | 2903890  | 30.639 | ng/u1 | 99       |
| 82) Pyrene                    | 19.751 | 202  | 3040077  | 30.357 | ng/u1 | 99       |
| 83) Butylbenzylphthalate      | 20.610 | 149  | 1197708  | 33.534 | ng/u1 | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.410 | 252  | 1003256  | 31.650 | ng/u1 | 99       |
| 85) Benzo(a)anthracene        | 21.469 | 228  | 3085108  | 30.475 | ng/u1 | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.345 | 149  | 1727186  | 34.449 | ng/u1 | 99       |
| 87) Chrysene                  | 21.527 | 228  | 2943137  | 31.254 | ng/u1 | 99       |
| 89) Di-n-octyl phthalate      | 22.310 | 149  | 2985861  | 33.067 | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 23.227 | 252  | 3060022  | 31.879 | ng/u1 | 99       |
| 91) Benzo(k)fluoranthene      | 23.280 | 252  | 3100029  | 32.486 | ng/u1 | 99       |
| 93) Benzo(a)pyrene            | 23.904 | 252  | 2714498  | 30.481 | ng/u1 | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.692 | 276  | 3327312  | 33.741 | ng/u1 | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.715 | 278  | 2819683  | 34.038 | ng/u1 | 99       |
| 96) Benzo(g,h,i)perylene      | 27.533 | 276  | 2630801  | 34.500 | ng/u1 | 99       |

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

