

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP011224\  
 Data File : BP019362.D  
 Acq On : 13 Jan 2024 09:58  
 Operator : MA/JU  
 Sample : PB158383BS  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS383

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 01/15/2024  
 Supervised By :mohammad ahmed 01/16/2024

Quant Time: Jan 14 20:38:48 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP010824.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 09 03:05:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.775  | 152  | 121962   | 20.000 | ng/u1 | -0.01    |
| 20) Naphthalene-d8            | 10.569 | 136  | 500486   | 20.000 | ng/u1 | -0.01    |
| 38) Acenaphthene-d10          | 14.422 | 164  | 347797   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10          | 17.180 | 188  | 891400   | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12              | 21.286 | 240  | 960209   | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12              | 23.639 | 264  | 992921   | 20.000 | ng/u1 | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.216  | 96   | 18766    | 5.818  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.634  | 84   | 275556   | 29.545 | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 6.963  | 99   | 359172   | 30.812 | ng/u1 | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.116  | 67   | 214764   | 30.802 | ng/u1 | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.310  | 132  | 256917   | 32.085 | ng/u1 | 0.00     |
| 15) 4-Methylphenol-d8         | 8.504  | 113  | 288719   | 31.220 | ng/u1 | -0.01    |
| 21) Nitrobenzene-d5           | 8.945  | 128  | 134787   | 32.012 | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.663  | 143  | 161721   | 33.056 | ng/u1 | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.204 | 165  | 325025   | 32.884 | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.722 | 131  | 365650   | 29.287 | ng/u1 | 0.00     |
| 46) Dimethylphthalate-d6      | 13.845 | 166  | 1025893  | 33.387 | ng/u1 | 0.00     |
| 49) Acenaphthylene-d8         | 14.116 | 160  | 1035401  | 31.435 | ng/u1 | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.663 | 143  | 158773   | 33.650 | ng/u1 | 0.00     |
| 60) Fluorene-d10              | 15.422 | 176  | 836331   | 33.245 | ng/u1 | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.563 | 200  | 215355   | 32.723 | ng/u1 | 0.00     |
| 73) Anthracene-d10            | 17.280 | 188  | 1387943  | 31.219 | ng/u1 | 0.00     |
| 81) Pyrene-d10                | 19.527 | 212  | 1829860  | 29.225 | ng/u1 | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.492 | 264  | 1802454  | 33.385 | ng/u1 | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              | Qvalue |      |          |        |       |          |
| 2) 1,4-Dioxane                | 3.252  | 88   | 38258    | 11.452 | ng/uL | 99       |
| 5) Pyridine                   | 3.652  | 79   | 270152   | 28.514 | ng/u1 | 92       |
| 6) Benzaldehyde               | 6.922  | 77   | 203510   | 40.046 | ng/u1 | 95       |
| 8) Phenol                     | 6.993  | 94   | 370364   | 31.538 | ng/u1 | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.210  | 93   | 287507   | 30.521 | ng/u1 | 99       |
| 12) 2-Chlorophenol            | 7.346  | 128  | 266865   | 32.244 | ng/u1 | 98       |
| 13) 2-Methylphenol            | 8.234  | 108  | 272381   | 30.923 | ng/u1 | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.304  | 45   | 350011   | 31.227 | ng/u1 | 99       |
| 16) Acetophenone              | 8.610  | 105  | 467566   | 31.741 | ng/u1 | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.598  | 70   | 247770   | 32.282 | ng/u1 | 99       |
| 18) 4-Methylphenol            | 8.569  | 108  | 299052   | 31.891 | ng/u1 | 96       |
| 19) Hexachloroethane          | 8.845  | 117  | 114936   | 30.745 | ng/u1 | 88       |
| 22) Nitrobenzene              | 8.987  | 77   | 380808   | 32.329 | ng/u1 | 97       |
| 23) Isophorone                | 9.516  | 82   | 720067   | 31.534 | ng/u1 | 99       |
| 25) 2-Nitrophenol             | 9.692  | 139  | 165645   | 32.233 | ng/u1 | 97       |
| 26) 2,4-Dimethylphenol        | 9.763  | 107  | 322970   | 29.148 | ng/u1 | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.998  | 93   | 406035   | 30.916 | ng/u1 | 100      |
| 29) 2,4-Dichlorophenol        | 10.228 | 162  | 313220   | 32.883 | ng/u1 | 99       |
| 30) Naphthalene               | 10.622 | 128  | 878969   | 31.167 | ng/u1 | 100      |
| 32) 4-Chloroaniline           | 10.745 | 127  | 324257   | 26.547 | ng/u1 | 97       |
| 33) Hexachlorobutadiene       | 10.898 | 225  | 258740   | 31.484 | ng/u1 | 99       |
| 34) Caprolactam               | 11.551 | 113  | 99876m   | 33.435 | ng/u1 |          |
| 35) 4-Chloro-3-methylphenol   | 11.886 | 107  | 353481   | 33.426 | ng/u1 | 97       |
| 36) 2-Methylnaphthalene       | 12.239 | 142  | 648913   | 31.624 | ng/u1 | 100      |

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP010824.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jan 09 03:05:24 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.457 | 142  | 640815   | 31.919 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.604 | 216  | 488172   | 32.390 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.575 | 237  | 272400   | 28.160 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.857 | 196  | 310721   | 33.501 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.933 | 196  | 334806   | 33.684 | ng/ul | 97       |
| 43) 1,1'-Biphenyl             | 13.257 | 154  | 917889   | 31.947 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.292 | 162  | 751016   | 32.322 | ng/ul | 98       |
| 45) 2-Nitroaniline            | 13.516 | 65   | 243433   | 36.526 | ng/ul | 98       |
| 47) Dimethylphthalate         | 13.892 | 163  | 1029082  | 33.698 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.016 | 165  | 215411   | 35.672 | ng/ul | 99       |
| 50) Acenaphthylene            | 14.145 | 152  | 1119101  | 31.020 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.351 | 138  | 179249   | 34.031 | ng/ul | 97       |
| 52) Acenaphthene              | 14.486 | 153  | 741524   | 31.370 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.563 | 184  | 129397   | 32.680 | ng/ul | 91       |
| 55) 4-Nitrophenol             | 14.675 | 109  | 179453   | 35.219 | ng/ul | 97       |
| 56) Dibenzofuran              | 14.822 | 168  | 1102044  | 32.564 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.810 | 165  | 309069   | 36.478 | ng/ul | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.057 | 232  | 310176   | 35.152 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.257 | 149  | 958620   | 33.545 | ng/ul | 99       |
| 61) Fluorene                  | 15.474 | 166  | 924495   | 33.352 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.469 | 204  | 548400   | 33.152 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.522 | 138  | 172888   | 42.339 | ng/ul | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.574 | 198  | 220854   | 31.662 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.692 | 169  | 786710   | 29.938 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.369 | 248  | 374668   | 30.771 | ng/ul | 96       |
| 69) Hexachlorobenzene         | 16.480 | 284  | 442334   | 31.523 | ng/ul | 96       |
| 70) Atrazine                  | 16.657 | 200  | 322142   | 28.124 | ng/ul | 97       |
| 71) Pentachlorophenol         | 16.833 | 266  | 278015   | 31.900 | ng/ul | 98       |
| 72) Phenanthrene              | 17.221 | 178  | 1586113  | 31.677 | ng/ul | 100      |
| 74) Anthracene                | 17.316 | 178  | 1604167  | 31.603 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.216 | 216  | 489699   | 29.670 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.739 | 250  | 475190   | 29.638 | ng/ul | 99       |
| 77) Carbazole                 | 17.598 | 167  | 1386432  | 32.105 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.145 | 149  | 1688575  | 32.673 | ng/ul | 99       |
| 80) Fluoranthene              | 19.198 | 202  | 2123710  | 28.695 | ng/ul | 100      |
| 82) Pyrene                    | 19.557 | 202  | 2185402  | 29.093 | ng/ul | 97       |
| 83) Butylbenzylphthalate      | 20.433 | 149  | 786635   | 30.524 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.209 | 252  | 750693   | 34.433 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.268 | 228  | 2361822  | 31.597 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.192 | 149  | 1152445  | 31.153 | ng/ul | 100      |
| 87) Chrysene                  | 21.321 | 228  | 2135171  | 31.249 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.104 | 149  | 1953309  | 28.822 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 22.927 | 252  | 2340012  | 32.978 | ng/ul | 98       |
| 91) Benzo(k)fluoranthene      | 22.974 | 252  | 2164377  | 31.442 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.539 | 252  | 2071583  | 32.490 | ng/ul | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.086 | 276  | 2360704  | 31.306 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.103 | 278  | 1978703  | 31.698 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 26.839 | 276  | 1831854  | 30.250 | ng/ul | 98       |

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

