

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP011224\  
 Data File : BP019361.D  
 Acq On : 13 Jan 2024 09:25  
 Operator : MA/JU  
 Sample : PB158425BS  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS425

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay  
 01/15/2024

Supervised By :mohammad  
 ahmed  
 01/16/2024

Quant Time: Jan 14 20:36:25 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  | 132074   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.569 | 136  | 537579   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.422 | 164  | 374140   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.180 | 188  | 952605   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.286 | 240  | 984230   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.639 | 264  | 1023331  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.216  | 96   | 23770    | 6.806  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.634  | 84   | 339620   | 33.626 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.963  | 99   | 440638   | 34.907 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.122  | 67   | 260040   | 34.440 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.310  | 132  | 308438   | 35.570 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.510  | 113  | 349047   | 34.854 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.945  | 128  | 161161   | 35.634 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.663  | 143  | 194995   | 37.107 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.204 | 165  | 391555   | 36.882 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.722 | 131  | 400093   | 29.834 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.845 | 166  | 1243582  | 37.623 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.116 | 160  | 1293319  | 36.501 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.663 | 143  | 188577   | 37.152 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.422 | 176  | 1009548  | 37.305 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.563 | 200  | 256036   | 36.405 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.280 | 188  | 1677515  | 35.308 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.527 | 212  | 2145090  | 33.424 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.492 | 264  | 2064329  | 37.099 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.252  | 88   | 48135    | 13.305 | ng/uL  | 100      |
| 5) Pyridine                   | 3.652  | 79   | 338319   | 32.975 | ng/u1  | 93       |
| 6) Benzaldehyde               | 6.928  | 77   | 250821   | 45.577 | ng/u1  | 98       |
| 8) Phenol                     | 6.993  | 94   | 453655   | 35.672 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.210  | 93   | 350151   | 34.326 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.346  | 128  | 323424   | 36.086 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 8.240  | 108  | 341377   | 35.789 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.304  | 45   | 427330   | 35.206 | ng/u1  | 99       |
| 16) Acetophenone              | 8.610  | 105  | 566179   | 35.492 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.598  | 70   | 299510   | 36.035 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.569  | 108  | 362977   | 35.745 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.845  | 117  | 142544   | 35.211 | ng/u1  | 95       |
| 22) Nitrobenzene              | 8.987  | 77   | 463419   | 36.628 | ng/u1  | 98       |
| 23) Isophorone                | 9.516  | 82   | 876573   | 35.739 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.692  | 139  | 202291   | 36.648 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 9.763  | 107  | 418368   | 35.152 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.998  | 93   | 494168   | 35.030 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.228 | 162  | 381830   | 37.320 | ng/u1  | 99       |
| 30) Naphthalene               | 10.622 | 128  | 1064206  | 35.132 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.745 | 127  | 358799   | 27.348 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.898 | 225  | 312709   | 35.425 | ng/u1  | 100      |
| 34) Caprolactam               | 11.551 | 113  | 122740m  | 38.254 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.886 | 107  | 433804   | 38.191 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.239 | 142  | 787602   | 35.735 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.457 | 142  | 774165   | 35.900 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.604 | 216  | 593196   | 36.587 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.575 | 237  | 357792   | 34.383 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.857 | 196  | 381207   | 38.207 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.933 | 196  | 413399   | 38.663 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.257 | 154  | 1114681  | 36.065 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.298 | 162  | 915170   | 36.614 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.516 | 65   | 298824   | 41.681 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 13.892 | 163  | 1248083  | 37.992 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.016 | 165  | 266628   | 41.045 | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.145 | 152  | 1368503  | 35.262 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.351 | 138  | 203525   | 35.919 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.486 | 153  | 905570   | 35.613 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.563 | 184  | 161062   | 37.813 | ng/ul# | 90       |
| 55) 4-Nitrophenol             | 14.680 | 109  | 218225   | 39.813 | ng/ul  | 93       |
| 56) Dibenzofuran              | 14.822 | 168  | 1335336  | 36.679 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.810 | 165  | 373723   | 41.003 | ng/ul  | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.057 | 232  | 373630   | 39.361 | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.257 | 149  | 1168050  | 37.996 | ng/ul  | 99       |
| 61) Fluorene                  | 15.475 | 166  | 1129025  | 37.862 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.469 | 204  | 671356   | 37.727 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.522 | 138  | 212421   | 48.357 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.575 | 198  | 265678   | 35.641 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 15.692 | 169  | 964646   | 34.351 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.369 | 248  | 463546   | 35.625 | ng/ul  | 97       |
| 69) Hexachlorobenzene         | 16.480 | 284  | 533087   | 35.549 | ng/ul  | 97       |
| 70) Atrazine                  | 16.657 | 200  | 383982   | 31.369 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.833 | 266  | 333241   | 35.780 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.221 | 178  | 1906715  | 35.633 | ng/ul  | 100      |
| 74) Anthracene                | 17.316 | 178  | 1944052  | 35.839 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.216 | 216  | 599257   | 33.975 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.739 | 250  | 580552   | 33.883 | ng/uL  | 99       |
| 77) Carbazole                 | 17.598 | 167  | 1646046  | 35.667 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.145 | 149  | 2035179  | 36.850 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.198 | 202  | 2525998  | 33.298 | ng/ul  | 99       |
| 82) Pyrene                    | 19.557 | 202  | 2584909  | 33.572 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.433 | 149  | 928494   | 35.149 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.209 | 252  | 859972   | 38.482 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.274 | 228  | 2770033  | 36.154 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.192 | 149  | 1373429  | 36.221 | ng/ul  | 99       |
| 87) Chrysene                  | 21.321 | 228  | 2510330  | 35.843 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.104 | 149  | 2315947  | 33.158 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.921 | 252  | 2716607  | 37.147 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 22.974 | 252  | 2523407  | 35.569 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.545 | 252  | 2411231  | 36.693 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.092 | 276  | 2683070  | 34.524 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.103 | 278  | 2246372  | 34.917 | ng/ul  | 100      |
| 96) Benzo(g,h,i)perylene      | 26.839 | 276  | 2065413  | 33.093 | ng/ul  | 98       |

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

