

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP040323\  
 Data File : BP014514.D  
 Acq On : 04 Apr 2023 07:01  
 Operator : CG/JU  
 Sample : PB151859BS  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS859

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/04/2023  
 Supervised By : Jagrut Upadhyay 04/04/2023

Quant Time: Apr 04 07:27:42 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP032823.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 04 01:34:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.005  | 152  | 121153   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.828 | 136  | 483597   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.657 | 164  | 288301   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.422 | 188  | 625682   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.510 | 240  | 692730   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.016 | 264  | 806949   | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.381  | 96   | 20093    | 6.431  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.811  | 84   | 286949   | 35.841 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.169  | 99   | 382594   | 34.242 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.328  | 67   | 243531   | 33.971 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.534  | 132  | 282360   | 34.964 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.728  | 113  | 290066   | 32.184 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.181  | 128  | 137227   | 35.150 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.905  | 143  | 154309   | 34.518 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.452 | 165  | 277453   | 34.079 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.975 | 131  | 313124   | 29.199 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.063 | 166  | 769502   | 32.918 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.351 | 160  | 874927   | 33.731 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.887 | 143  | 129388   | 36.639 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.651 | 176  | 653808   | 33.539 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.781 | 200  | 155466   | 33.769 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.522 | 188  | 1056138  | 34.879 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.751 | 212  | 1347425  | 28.958 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.857 | 264  | 1527276  | 35.623 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.417  | 88   | 48364    | 14.087 | ng/uL  | 97       |
| 5) Pyridine                   | 3.834  | 79   | 294950   | 35.204 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.140  | 77   | 178680m  | 32.173 | ng/u1  |          |
| 8) Phenol                     | 7.199  | 94   | 395664   | 34.136 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.422  | 93   | 314675   | 33.783 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.563  | 128  | 294244   | 35.007 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.458  | 108  | 285112   | 32.984 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.540  | 45   | 417921m  | 34.173 | ng/u1  |          |
| 16) Acetophenone              | 8.840  | 105  | 472983   | 31.781 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.816  | 70   | 254095   | 31.603 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.793  | 108  | 303916   | 32.014 | ng/u1  | 100      |
| 19) Hexachloroethane          | 9.087  | 117  | 129801   | 35.343 | ng/u1  | 96       |
| 22) Nitrobenzene              | 9.222  | 77   | 393473   | 35.083 | ng/u1  | 99       |
| 23) Isophorone                | 9.752  | 82   | 673223   | 32.564 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.940  | 139  | 163930   | 34.742 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.999  | 107  | 348469   | 32.996 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.228 | 93   | 399150   | 32.203 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.481 | 162  | 268864   | 33.557 | ng/u1  | 96       |
| 30) Naphthalene               | 10.875 | 128  | 906480   | 33.652 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.999 | 127  | 245961   | 22.645 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.152 | 225  | 208397   | 32.831 | ng/u1  | 98       |
| 34) Caprolactam               | 11.793 | 113  | 86091m   | 36.372 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.128 | 107  | 318929   | 32.363 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.481 | 142  | 589022   | 32.266 | ng/u1  | 100      |

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### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/04/2023  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.699 | 142  | 605564   | 33.448 | ng/u1 | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.846 | 216  | 350399   | 34.089 | ng/u1 | 98       |
| 40) Hexachlorocyclopentadiene | 12.816 | 237  | 174266   | 26.179 | ng/u1 | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.098 | 196  | 219291   | 34.476 | ng/u1 | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.175 | 196  | 238340   | 35.197 | ng/u1 | 99       |
| 43) 1,1'-Biphenyl             | 13.487 | 154  | 792535   | 34.026 | ng/u1 | 99       |
| 44) 2-Chloronaphthalene       | 13.534 | 162  | 636614   | 34.567 | ng/u1 | 100      |
| 45) 2-Nitroaniline            | 13.751 | 65   | 220051   | 38.582 | ng/u1 | 99       |
| 47) Dimethylphthalate         | 14.110 | 163  | 781726   | 33.446 | ng/u1 | 99       |
| 48) 2,6-Dinitrotoluene        | 14.240 | 165  | 160128   | 35.067 | ng/u1 | 97       |
| 50) Acenaphthylene            | 14.381 | 152  | 943734   | 34.164 | ng/u1 | 99       |
| 51) 3-Nitroaniline            | 14.581 | 138  | 148683   | 36.345 | ng/u1 | 100      |
| 52) Acenaphthene              | 14.722 | 153  | 652295   | 33.416 | ng/u1 | 99       |
| 53) 2,4-Dinitrophenol         | 14.793 | 184  | 90166    | 30.492 | ng/u1 | 97       |
| 55) 4-Nitrophenol             | 14.898 | 109  | 130846   | 37.542 | ng/u1 | 96       |
| 56) Dibenzofuran              | 15.057 | 168  | 918582   | 33.475 | ng/u1 | 100      |
| 57) 2,4-Dinitrotoluene        | 15.034 | 165  | 241472   | 37.280 | ng/u1 | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.287 | 232  | 202545   | 33.280 | ng/u1 | 98       |
| 59) Diethylphthalate          | 15.475 | 149  | 780023   | 33.584 | ng/u1 | 99       |
| 61) Fluorene                  | 15.710 | 166  | 766782   | 34.474 | ng/u1 | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.698 | 204  | 394005   | 32.972 | ng/u1 | 96       |
| 63) 4-Nitroaniline            | 15.751 | 138  | 162527   | 48.897 | ng/u1 | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.798 | 198  | 152299   | 34.135 | ng/u1 | 97       |
| 67) N-Nitrosodiphenylamine    | 15.916 | 169  | 650922   | 33.437 | ng/u1 | 99       |
| 68) 4-Bromophenyl-phenylether | 16.598 | 248  | 248982   | 31.979 | ng/u1 | 98       |
| 69) Hexachlorobenzene         | 16.716 | 284  | 297121   | 33.224 | ng/u1 | 100      |
| 70) Atrazine                  | 16.875 | 200  | 120538   | 17.009 | ng/u1 | 98       |
| 71) Pentachlorophenol         | 17.069 | 266  | 161409   | 31.154 | ng/u1 | 98       |
| 72) Phenanthrene              | 17.463 | 178  | 1220024  | 35.049 | ng/u1 | 100      |
| 74) Anthracene                | 17.557 | 178  | 1246048  | 35.517 | ng/u1 | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.457 | 216  | 351533   | 31.918 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.975 | 250  | 342989   | 31.211 | ng/uL | 98       |
| 77) Carbazole                 | 17.828 | 167  | 1145589  | 39.020 | ng/u1 | 100      |
| 78) Di-n-butylphthalate       | 18.357 | 149  | 1348273  | 36.522 | ng/u1 | 99       |
| 80) Fluoranthene              | 19.422 | 202  | 1557669  | 28.313 | ng/u1 | 99       |
| 82) Pyrene                    | 19.780 | 202  | 1647619  | 28.685 | ng/u1 | 99       |
| 83) Butylbenzylphthalate      | 20.633 | 149  | 678457   | 34.292 | ng/u1 | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.422 | 252  | 541144   | 35.322 | ng/u1 | 99       |
| 85) Benzo(a)anthracene        | 21.492 | 228  | 1783377  | 36.330 | ng/u1 | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.386 | 149  | 966434   | 35.721 | ng/u1 | 100      |
| 87) Chrysene                  | 21.545 | 228  | 1680570  | 36.257 | ng/u1 | 99       |
| 89) Di-n-octyl phthalate      | 22.345 | 149  | 1750136  | 33.421 | ng/u1 | 100      |
| 90) Benzo(b)fluoranthene      | 23.251 | 252  | 1932525  | 35.460 | ng/u1 | 98       |
| 91) Benzo(k)fluoranthene      | 23.298 | 252  | 1844913  | 34.854 | ng/u1 | 99       |
| 93) Benzo(a)pyrene            | 23.910 | 252  | 1694291  | 36.117 | ng/u1 | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.662 | 276  | 2266898  | 35.124 | ng/u1 | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.680 | 278  | 1878301  | 34.761 | ng/u1 | 98       |
| 96) Benzo(g,h,i)perylene      | 27.480 | 276  | 1828832  | 34.764 | ng/u1 | 99       |

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

