

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041223\  
 Data File : BP014693.D  
 Acq On : 13 Apr 2023 02:57  
 Operator : CG/JU  
 Sample : PB152042BS  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS042

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/13/2023  
 Supervised By : Jagrut Upadhyay 04/13/2023

Quant Time: Apr 13 03:26:58 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP032823.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 13 02:01:50 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.969  | 152  | 106037   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.787 | 136  | 466177   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.622 | 164  | 323326   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.386 | 188  | 738670   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.474 | 240  | 789793   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.974 | 264  | 863817   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.358  | 96   | 17521    | 6.408  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.787  | 84   | 221873   | 31.663 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.134  | 99   | 300981   | 30.778 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.299  | 67   | 208152   | 33.175 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.499  | 132  | 229802   | 32.512 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.693  | 113  | 238170   | 30.193 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.146  | 128  | 108834   | 28.919 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.869  | 143  | 130850   | 30.364 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.410 | 165  | 230282   | 29.342 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.940 | 131  | 220186   | 21.300 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.034 | 166  | 749963   | 28.607 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.316 | 160  | 834729   | 28.695 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.845 | 143  | 128987   | 32.568 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.622 | 176  | 646506   | 29.572 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.751 | 200  | 155320   | 28.576 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.486 | 188  | 1030352  | 28.822 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.716 | 212  | 1323984  | 24.957 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.815 | 264  | 1400961  | 30.526 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.393  | 88   | 39039    | 12.992 | ng/uL  | 93       |
| 5) Pyridine                   | 3.811  | 79   | 252235   | 34.397 | ng/u1# | 90       |
| 6) Benzaldehyde               | 7.116  | 77   | 84627    | 17.410 | ng/u1  | 94       |
| 8) Phenol                     | 7.163  | 94   | 318668   | 31.412 | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.393  | 93   | 257232   | 31.553 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.534  | 128  | 238748   | 32.453 | ng/u1  | 92       |
| 13) 2-Methylphenol            | 8.422  | 108  | 230175   | 30.424 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.505  | 45   | 378672   | 35.378 | ng/u1  | 98       |
| 16) Acetophenone              | 8.805  | 105  | 390253   | 29.960 | ng/u1# | 92       |
| 17) N-Nitroso-di-n-propyla... | 8.787  | 70   | 228782   | 32.511 | ng/u1  | 90       |
| 18) 4-Methylphenol            | 8.752  | 108  | 253322   | 30.489 | ng/u1  | 94       |
| 19) Hexachloroethane          | 9.046  | 117  | 106199   | 33.039 | ng/u1  | 87       |
| 22) Nitrobenzene              | 9.193  | 77   | 340233   | 31.470 | ng/u1  | 99       |
| 23) Isophorone                | 9.716  | 82   | 604131   | 30.314 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.904  | 139  | 136872   | 30.092 | ng/u1  | 91       |
| 26) 2,4-Dimethylphenol        | 9.963  | 107  | 303880   | 29.849 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.199 | 93   | 342169   | 28.637 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.440 | 162  | 226769   | 29.361 | ng/u1  | 94       |
| 30) Naphthalene               | 10.840 | 128  | 770149   | 29.659 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.963 | 127  | 173121   | 16.534 | ng/u1  | 96       |
| 33) Hexachlorobutadiene       | 11.110 | 225  | 173878   | 28.416 | ng/u1  | 99       |
| 34) Caprolactam               | 11.763 | 113  | 79133m   | 34.681 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.087 | 107  | 299448   | 31.521 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.445 | 142  | 531460   | 30.200 | ng/u1  | 98       |

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### Manual Integrations APPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.663 | 142  | 533857   | 30.589 | ng/u1  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.810 | 216  | 302401   | 26.232 | ng/u1  | 96       |
| 40) Hexachlorocyclopentadiene | 12.781 | 237  | 170388   | 22.824 | ng/u1  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.063 | 196  | 191520   | 26.848 | ng/u1  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.140 | 196  | 211130   | 27.801 | ng/u1  | 99       |
| 43) 1,1'-Biphenyl             | 13.451 | 154  | 722183   | 27.647 | ng/u1  | 99       |
| 44) 2-Chloronaphthalene       | 13.498 | 162  | 567853   | 27.493 | ng/u1  | 97       |
| 45) 2-Nitroaniline            | 13.722 | 65   | 219184   | 34.267 | ng/u1  | 91       |
| 47) Dimethylphthalate         | 14.081 | 163  | 747152   | 28.504 | ng/u1  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.210 | 165  | 156211   | 30.503 | ng/u1  | 93       |
| 50) Acenaphthylene            | 14.345 | 152  | 897349   | 28.966 | ng/u1  | 100      |
| 51) 3-Nitroaniline            | 14.545 | 138  | 134427   | 29.300 | ng/u1  | 95       |
| 52) Acenaphthene              | 14.687 | 153  | 636889   | 29.093 | ng/u1  | 97       |
| 53) 2,4-Dinitrophenol         | 14.757 | 184  | 97958    | 29.538 | ng/u1# | 76       |
| 55) 4-Nitrophenol             | 14.857 | 109  | 139670   | 35.733 | ng/u1  | 94       |
| 56) Dibenzofuran              | 15.022 | 168  | 893824   | 29.044 | ng/u1  | 95       |
| 57) 2,4-Dinitrotoluene        | 15.004 | 165  | 239861   | 33.020 | ng/u1  | 87       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.251 | 232  | 194012   | 28.424 | ng/u1  | 93       |
| 59) Diethylphthalate          | 15.439 | 149  | 803099   | 30.832 | ng/u1  | 98       |
| 61) Fluorene                  | 15.675 | 166  | 751936   | 30.145 | ng/u1  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.669 | 204  | 382934   | 28.574 | ng/u1  | 98       |
| 63) 4-Nitroaniline            | 15.716 | 138  | 135110   | 36.245 | ng/u1  | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.769 | 198  | 149679   | 28.416 | ng/u1  | 97       |
| 67) N-Nitrosodiphenylamine    | 15.886 | 169  | 616729   | 26.835 | ng/u1  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.563 | 248  | 240760   | 26.193 | ng/u1  | 97       |
| 69) Hexachlorobenzene         | 16.681 | 284  | 276845   | 26.221 | ng/u1  | 93       |
| 70) Atrazine                  | 16.845 | 200  | 22419    | 2.680  | ng/u1  | 99       |
| 71) Pentachlorophenol         | 17.039 | 266  | 158079   | 25.844 | ng/u1  | 99       |
| 72) Phenanthrene              | 17.428 | 178  | 1217404  | 29.624 | ng/u1  | 99       |
| 74) Anthracene                | 17.522 | 178  | 1218592  | 29.421 | ng/u1  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.422 | 216  | 309997   | 23.841 | ng/uL  | 100      |
| 76) Pentachlorobenzene        | 14.939 | 250  | 324029   | 24.975 | ng/uL  | 99       |
| 77) Carbazole                 | 17.798 | 167  | 1080340  | 31.169 | ng/u1  | 99       |
| 78) Di-n-butylphthalate       | 18.328 | 149  | 1433771  | 32.898 | ng/u1  | 99       |
| 80) Fluoranthene              | 19.392 | 202  | 1522414  | 24.271 | ng/u1  | 98       |
| 82) Pyrene                    | 19.745 | 202  | 1596283  | 24.376 | ng/u1  | 97       |
| 83) Butylbenzylphthalate      | 20.604 | 149  | 693091   | 30.726 | ng/u1  | 91       |
| 84) 3,3'-Dichlorobenzidine    | 21.392 | 252  | 372585   | 21.331 | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.463 | 228  | 1661286  | 29.683 | ng/u1  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.357 | 149  | 1034598  | 33.541 | ng/u1  | 98       |
| 87) Chrysene                  | 21.516 | 228  | 1579348  | 29.886 | ng/u1  | 99       |
| 89) Di-n-octyl phthalate      | 22.316 | 149  | 1805059  | 32.200 | ng/u1  | 100      |
| 90) Benzo(b)fluoranthene      | 23.210 | 252  | 1727882  | 29.617 | ng/u1  | 99       |
| 91) Benzo(k)fluoranthene      | 23.263 | 252  | 1721550  | 30.383 | ng/u1  | 100      |
| 93) Benzo(a)pyrene            | 23.868 | 252  | 1524143  | 30.351 | ng/u1  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.598 | 276  | 2042298  | 29.561 | ng/u1  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.609 | 278  | 1704696  | 29.471 | ng/u1  | 100      |
| 96) Benzo(g,h,i)perylene      | 27.404 | 276  | 1655345  | 29.394 | ng/u1  | 97       |

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

